



BOSTON COLLEGE

OFFICE OF THE GENERAL COUNSEL

May 9, 2018

Barney Heath
Director of Planning and Development
Newton City Hall
1000 Commonwealth Avenue
Newton, MA 02459

RE: Service Building, Boston College Middle Campus
Administrative Site Plan Review Application
Zoning Ordinance, Section 7.5.2

Dear Barney:

I am pleased to enclose the Administrative Site Plan Review Application for a proposed addition to the Service Building/Central Heating Plant facility on Boston College's Middle Campus. As further outlined in the attached materials, we propose an 8,900 square foot addition to this existing building to house two new steam boilers, as well as electrical and accessibility upgrades to the entire building and the demolition and replacement of the existing exhaust stack.

A demolition review application for demolition of the existing exhaust stack has been previously submitted to the Newton Historical Commission. The project was reviewed with the Planning Department Design Review Team on April 25, and with the Boston College/Newton Neighborhood Council on April 26.

We have provided written notice of the filing, a copy of the application and one set of site plans to the three City Councilors from Ward 7. Written notice of the application is also being given to and filed with the Clerk of the City Council, and written notice of the application is being mailed to all immediate abutters of the property upon which the project is located.

Very truly yours,

A handwritten signature in blue ink, appearing to read "J. Herlihy".

Joseph M. Herlihy
General Counsel

Barney Heath, Director

May 8, 2018

Page 2

Enc.

cc: Councilor R. Lisle Baker (with application and plans)
Councilor Rebecca Walker Grossman (with application and plans)
Councilor Marc C. Laredo (with application and plans)
David Olson, Clerk of the City Council
Mayor Ruthanne Fuller
Ouida Young, Esq., City Solicitor
John Lojek, Inspectional Services Commissioner (with application and plans)
Lou Taverna, P.E., City Engineer (with application and plans)
Jim McGonagle, Public Works Commissioner (with application and plans)
Bruce Proia, Chief of Fire Department (with application and plans)
Immediate Abutters



Setti D. Warren
Mayor

City of Newton, Massachusetts
Department of Planning and Development
1000 Commonwealth Avenue Newton, Massachusetts 02459

Telephone
(617) 796-1120
Telefax
(617) 796-1086
www.newtonma.gov

Barney Heath
Director

GENERAL PERMIT APPLICATION

PROJECT #: _____ ZONING DISTRICT: SR1 DATE RECEIVED: _____

PROJECT DESCRIPTION:

Boston College is proposing the upgrade and expansion of its central heating plant (CHP) located in the Middle Campus Service Building. See Attached Materials.

PROPERTY LOCATION INFORMATION

STREET ADDRESS: 225 Beacon Street CITY/ZIP: Newton (Chestnut Hill) 02467

LEGAL DESCRIPTION (SECTION, BLOCK, LOT): 63 009 0002

PROPERTY OWNER INFORMATION

NAME: Trustees of Boston College PHONE: 617-552-2855 ALT. PHONE: _____

MAILING ADDRESS: 140 Comm. Ave., Chestnut Hill, MA 02467 E-MAIL ADDRESS: joseph.herlihy@bc.edu

PROPERTY OWNER CONSENT

I am (we are) the owner(s) of the property subject to this application and I (we) consent as follows:

1. This application for a land use permit or administrative approval for development on my (our) property is made with my permission.
2. I (we) grant permission for officials and employees of the City of Newton to access my property for the purposes of this application.

Trustees of Boston College
(Property Owner Signature) _____ (Date) _____

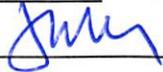
by: Joseph M. Herlihy, General Counsel
(Property Owner Signature) _____ (Date) _____

NOTICE: The City of Newton staff may need access to the subject property during regular business hours and will attempt to contact the applicant/agent prior to any visit. Further, members of a regulatory authority of the city may visit the property as well.

APPLICANT / AGENT INFORMATION

NAME: Trustees of Boston College PHONE: 617-552-2855 ALT. PHONE: _____

MAILING ADDRESS: 14 Mayflower Rd., Newton, MA 02467 E-MAIL ADDRESS: joseph.herlihy@bc.edu

by: Jos. M. Herlihy, General Counsel 
(Applicant/Agent Signature) _____ (Date) _____

NOTICE: The applicant/agent is the primary contact and may be any individual representing the establishment or property owner. The applicant/agent must also be legally authorized to make decisions on behalf of the Property Owner(s) in regards to the application.

----- OFFICE USE ONLY BELOW THIS LINE -----

CHECK APPROPRIATE PERMIT OR REVIEW PROCESS (CHECK ALL BEING SUBMITTED)

<input type="checkbox"/>	Zoning Review Application	<input type="checkbox"/>	Comprehensive Permit
<input type="checkbox"/>	Administrative Site Plan Review	<input type="checkbox"/>	Variance Application
<input type="checkbox"/>	Sign Permit	<input type="checkbox"/>	Historic Preservation Review
<input type="checkbox"/>	Special Permit/Site Plan Approval	<input type="checkbox"/>	Conservation Commission Review
<input type="checkbox"/>	Fence Appeal	<input type="checkbox"/>	Other, describe _____

Comments: _____

PERMIT INTAKE INITIALS
AND DATE STAMP

NOTE: This form MUST accompany all other Department of Planning and Development applications.

To Be Completed By Applicant



Ruthanne Fuller
Mayor

City of Newton, Massachusetts
Department of Planning and Development
1000 Commonwealth Avenue Newton, Massachusetts 02459

Telephone
(617) 796-1120
Telefax
(617) 796-1086
www.newtonma.gov

Barney Heath
Director

ADMINISTRATIVE SITE PLAN REVIEW APPLICATION

DATE RECEIVED: _____ PROJECT #: _____ ZONING DISTRICT: _____ SR1
PROJECT ADDRESS: _____ 225 Beacon Street, Newton (Chestnut Hill), Massachusetts 02467

PROJECT INFORMATION

IS THIS PROJECT A: WIRELESS FACILITY OTHER

CURRENT USE: Central Heating Plant, Offices PROPOSED USE: Unchanged

PROJECT DESCRIPTION (Briefly describe the project below):

Boston College is proposing the upgrade and expansion of its central heating plant (CHP) located in the Middle Campus Service Building. See Attached Materials.

REVIEWS BY OTHER REGULATORY AUTHORITIES? NO IF YES, DESCRIBE THE OF THOSE REVIEWS BELOW:

Because the project will involve the demolition and replacement of the CHP exhaust stack, it will undergo review by the Massachusetts Historical Commission and "demolition review" by the Newton Historical Commission.

SITE INFORMATION

DESCRIBE THE CURRENT AND PAST USES, SITE, AND/OR STRUCTURE INFORMATION AS IT RELATES TO THIS APPLICATION:

The Middle Campus Service Building was built in 1948 and has been used as a central heating plant since that time. The building occupies a steeply sloped site on the southeast quadrant of the Middle Campus and is bounded on the north by Higgins Hall, on the south by Campion Hall, on the west by Cushing Hall and on the East by the municipal line with Boston. See the attached materials for more information.

ANY PRIOR SPECIAL PERMITS, VARIANCES, EASEMENTS, AND/OR SPECIAL RESTRICTIONS? NO IF YES, DESCRIBE BELOW:

THE PROJECT FILING MATERIALS SHOULD INCLUDE THE FOLLOWING INFORMATION IN CURRENT AND PROPOSED CONDITIONS:

REQUIRED SUBMITTAL CHECKLIST (CHECK ALL BEING SUBMITTED)					
<input checked="" type="checkbox"/>	Evidence of Religious or Nonprofit Educational Status	<input checked="" type="checkbox"/>	Plot Plan or As-built Survey Describing the Project Site	<input checked="" type="checkbox"/>	Site Topography (2-foot intervals)
<input checked="" type="checkbox"/>	Façade Elevations or Floor Plans	<input type="checkbox"/>	Delineation of Wetlands or Watercourses	<input checked="" type="checkbox"/>	Site Structures and Improvements
<input checked="" type="checkbox"/>	Utility Details	<input type="checkbox"/>	Landscaping	<input checked="" type="checkbox"/>	Site Encumbrances
<input type="checkbox"/>	Lot Area Per Unit	<input checked="" type="checkbox"/>	Number of Stories	<input checked="" type="checkbox"/>	Parking & Circulation

(All plans MUST be signed, stamped, dated, drawn to scale, and clearly labeled. An inaccurate or incomplete application will NOT be accepted. Please review the reverse of this form for additional information.)

NOTE: This Application MUST be accompanied by a General Permit Application.

**Boston College—Expansion of the Middle Campus Service Building
Project Overview**

1. Project Summary

Boston College is planning the upgrade and expansion of its central heating plant located in the Middle Campus Service Building. The project will include 8,900 s.f. addition to the existing 33,718 s.f. building to house two new steam boilers and a new stand-by generator. The project also includes electrical upgrades and life-safety/ADA improvements throughout the building. As part of this project, the original 145 foot-high exhaust stack will be removed and replaced with a new stack of equivalent height.

The Service Building was originally constructed in 1948 and has been used as a heating plant with offices for maintenance staff, Technology Services, and minor Academic and Administrative use. The original building was designed by Maginnis and Walsh, the firm that designed the original campus buildings, but was substantially altered through the addition of a small wing and an additional floor, including a new internal stairway and elevator, in 1986. The original building and the 1986 addition were designed in a utilitarian, rectilinear style and are clad in beige brick with cast stone trim.

As shown, on the Floor Plans provided with this application, the program for the 8,900 s.f. addition will be dedicated to mechanical space, as follows:

New Boiler Room:	5,400 s.f.
Storage Tank Enclosure Room:	1,500 s.f.
Electrical Room:	2,000 s.f.

The addition to the Service building will be located on the north side of the existing building on an undeveloped and steeply graded site. Attached is a photograph of the existing Service Building (east-facing elevation), together with a rendering of the proposed condition following the expansion.

2. Zoning Dimensional Requirements (Single Residence 1 Zone)

<u>Service Building</u>	<u>Ordinance requirement¹</u>	<u>Existing Condition</u>	<u>Proposed</u>
Min. Lot Area	50,000 sq. ft.	1,573,189 sq. ft.	No Change
Minimum setbacks			
Commonwealth Av	60 ft. + "buffer"	1,370 ft.	1,375 ft.
College Road	60 ft.	795 ft.	No Change
Beacon Street	60 ft.	220 ft.	No Change
Max. Building/Lot Cover.	30%	28%	28.29%
Min. Open space	30%	54%	53.7%
FAR	0.2	1.13	1.1329
Max. Height	4	?	49 ft. (145 ft. stack)
Max. Stories	3	4	No Change

¹ Certain of the listed requirements have been found invalid as applicable to the subject lot. The University reserves all rights under Massachusetts General Laws Chapter 40A, Section 3 with respect to these and other requirements of the Newton Zoning Ordinance. See *Trustees of Boston College v. Board of Alderman of Newton*, 58 Mass. App. Ct. 794 (2003).

3. Site Plan Review Criteria

a. Convenience and safety of vehicular and pedestrian traffic within the site etc.

The vehicular and pedestrian patterns of this site are unchanged. The west entry of the Service building will be improved by replacing a crumbled sidewalk and adding access ramps. The east entry of the building will remain similar to current conditions, except that an area of mostly unused, "back-of-house" paved area will be occupied by the new boiler plant addition.

b. Adequacy of disposal of sewage, waste and storm water.

- (i) The existing 8" sanitary sewer line runs through the proposed building footprint and is to be relocated as part of the proposed utility work. The existing sewer pipe slopes will be maintained or increased, which results in equal or greater capacity than the existing system. Sewer demand is not expected to increase as a result of the proposed building addition.
- (ii) The existing 24-inch storm drain runs through the proposed building footprint and will be re-routed around the north side of the Building Addition. The new drain line has been designed to maintain the capacity of the existing relocated section of pipe by matching or exceeding the pipe slope of the most restrictive segment of the existing system. The Project results in an increase in impervious area over existing conditions (approximately 2,520 square feet) and a corresponding increase in storm water runoff. The existing Service Building roof drain and the new Building Addition roof drain will discharge to an underground detention system that will control the proposed discharges from the Project site to existing levels.

c. Provision for off-street loading and unloading of vehicles

There will be no material changes to the parking areas or stall inventory except that the handicapped spaced on the west entry will be rebuilt so that they are compliant with code. No additions to staff are planned for the maintenance or operation of the expanded building.

d. Screening of parking areas and structures from adjoining premises.

There will be no material alternations to the current parking conditions on the site.

e. Avoidance of major topographical changes.

The proposed building addition is located at an existing slope, so topographic changes are unavoidable. However, proposed grades around the building slope less severely than existing grades, and are limited to a 2:1 maximum. Further, slope stabilization methods will be implemented both during and after construction.

f. Location of utility service line underground.

There are several existing underground utilities within the proposed limit of work for the project, including steam, telecom, electric, drain, and sewer. The project includes proposed utility demolition and construction involving telecom, electric, drain, and sewer. Existing steam utilities will be maintained and protected.

g. Avoidance of the removal or disruption of historic resources on or off site.

With the exception of the demolition existing chimney stack there will be no removal or disruption of existing structures, historical or otherwise.

**Boston College—Expansion of Middle Campus Service Building
Administrative Site Plan Review**

Accompanying Materials

EXHIBIT DESCRIPTION	
Evidence of the applicant's religious or nonprofit educational status	Exhibit A
Photograph/Rendering of Existing and Proposed Condition	Exhibit B
Review of Stormwater Runoff	Exhibit C
DRAWING DESCRIPTION	
Boundaries, dimensions, and area of the subject lot	Sheet 1 - Feldman Survey drawing
Use of the existing building or structures on the subject lot	Sheet 1 - Feldman Survey drawing
Existing and proposed topography of the subject lot at 2-foot intervals	Sheet 1 (existing) Sheet 4 (proposed)
Existing and proposed easements, if any	Sheet 2a (existing) Sheet 2b (proposed)
All existing and proposed buildings, structures, parking spaces, maneuvering aisles, driveways, driveway openings, pedestrian walks, loading areas, and natural areas and landscaping on the subject lot with dimensions	Sheet 1 (existing) Sheet 3 (proposed)
All facilities for sewage, refuse and other waste disposal, for surface water, drainage, utilities, proposed screening, surface treatment, exterior storage, lighting, and landscaping, including fencing, walls, planting areas, and signs	Sheet 5
Facade elevations and floor plans for any proposed new construction or alteration to the existing building or structure	Sheets 6–9 (Elevations) Sheets 10–14 (Plans)

Exhibit A

Evidence of the applicant's religious or nonprofit educational status

COMMONWEALTH OF MASSACHUSETTS.

In the year One Thousand Eight Hundred and Sixty-three.

AN ACT to incorporate the Trustees of the Boston College.

Be it enacted by the Senate and House of Representatives in General Court assembled, and by the authority of the same, as follows: Section 1. John Mc Elroy, Edward H. Welch, John Dapert, James Clark and Charles H. Stonestreet, their associates and successors, are hereby constituted a body corporate by the name of the Trustees of the Boston College, in Boston, and they and their successors and such as shall be duly elected members of such corporation, shall be and remain a body corporate by that name, for use and for the orderly conducting the business of said corporation, the said trustees shall have power and authority, from time to time, as occasion may require, to elect a President, Vice President, Secretary, Treasurer and such other officers of said corporation as may be found necessary, and to declare the duties and tenures of their respective offices, and also to remove any Trustee from the same corporation, when in their judgment he shall be rendered incapable, by age or otherwise, of discharging the duties of his office, or shall neglect or refuse to perform the same, and also from time to time to elect new members of the said corporation; provided nevertheless, that the number of members shall never be greater than ten. Section 2. The said corporation shall have full power and authority to determine at what times and places their meetings shall be holden, the manner of notifying the trustees to convene at such meetings, and also from time to time to elect a president of said college, and such professors, tutors, instructors and other officers of the said college as they shall judge most for the interest thereof, and to determine the duties, salaries, emoluments, responsibilities and tenures of their several offices: and the said corporation are further empowered to purchase or erect and keep in repair, such houses and other buildings as they shall judge necessary for the said college, and also to make and obtain, as occasion may require, reasonable rules, orders and by-laws not repugnant to the constitution and laws of this Commonwealth, with reasonable penalties for the good government of the said college, and for the regulation of their own body; and also, to determine and regulate the course of instruction in said college, and to confer such degrees as are usually conferred by colleges in this Commonwealth, except medical degrees; provided nevertheless that no corporate business shall be transacted at any meeting unless one half at least of all the trustees are present. Section 3. Said corporation may have a common seal, which they may alter or renew

... shall be deemed to be made within the time of said act, and all such deeds, contracts, agreements, and other instruments, when made in their corporate name, be considered in law as the deeds of said corporation, and said corporation may sue, and be sued in all actions, real, personal or mixed, and may prosecute the same to final judgment and execution by the name of the Trustees of Boston College, and said corporation shall be capable of taking, and holding in fee simple or any less estate, by gift, grant, bequest, devise or otherwise, any lands, tenements or other estates, real or personal, provided, that the clear annual income of the same shall not exceed thirty thousand dollars. Section 4. The clear rents and profits of all the estates, real and personal, of which the said corporation shall be seized and possessed, shall be appropriated to the endowments of said college, in such manner as shall most effectually promote virtue and piety, and learning in such of the languages and of the liberal and useful arts and sciences, as shall be recommended from time to time, by the said corporation, they conforming to the will of any donor or donors in the application of any estate which may be given, devised or bequeathed for any particular object connected with the college. Section 5. No student in said college shall be rejected admission to or denied any of the privileges, honors or degrees of said college on account of the religious opinions he may entertain. Section 6. The legislature of this Commonwealth may grant any further powers to, or alter, limit, amend, or restrain any of the powers vested by this act in the said corporation, as shall be found necessary to promote the best interests of the said college, and more especially may appoint overseers or visitors of the said college, with all necessary powers for the better aid, preservation and government thereof. Section 7. The granting of this charter shall never be considered as any pledge on the part of the Commonwealth that pecuniary aid shall hereafter be granted to the college.

House of Representatives, March 31, 1863,

Passed to be enacted, Wm. A. Bullock, Speaker,

In Senate, Mar. 31, 1863,

Passed to be enacted, J. E. Field, President

April 1st 1863

Approved,

John A. Andrew

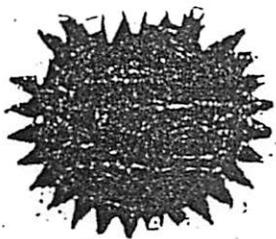
Secretary's Department, Boston,

May 28th 1863.

Whereby certify the foregoing to be a true copy
of the original Act.

Oliver Warner.

Secretary of the
Commonwealth.



CHAPTER 123 OF THE ACTS OF 1863

COMMONWEALTH OF MASSACHUSETTS

IN THE YEAR ONE THOUSAND EIGHT HUNDRED AND SIXTY-THREE
AN ACT TO INCORPORATE THE TRUSTEES OF THE BOSTON COLLEGE

Be it enacted by the Senate and House of Representatives in General Court assembled, and by the authority of the same, as follows:

SECTION 1. John McElroy, Edward H. Welch, John Bapst, James Clark and Charles H. Stonestreet, their associates and successors, are hereby constituted a body corporate by the name of the Trustees of the Boston College, in Boston, and they and their successors and such as shall be duly elected members of such corporation, shall be and remain a body corporate by that name forever: and for the orderly conducting the business of said corporation, the said trustees shall have power and authority, from time to time, as occasion may require, to elect a President, Vice President, Secretary, Treasurer and such other officers of said corporation as may be found necessary, and to declare the duties and tenures of their respective offices, and also to remove any Trustees from the same corporation, when in their judgment he shall be rendered incapable, by age or otherwise, of discharging the duties of his office, or shall neglect or refuse to perform the same, and also from time to time elect new members of the said corporation: provided nevertheless, that the number of members shall never be greater than ten.

SECTION 2. The said corporation shall have full power and authority to determine at what times and places their meetings

shall be holden and the manner of notifying the trustees to convene at such meetings, and also from time to time to elect a president of said college, and such professors, tutors, instructors and other officers of the said college as they shall judge most for the interest thereof, and to determine the duties, salaries, emoluments, responsibilities and tenures of their several offices: and the said corporation are further empowered to purchase or erect and keep in repair, such houses and other buildings as they shall judge necessary for the said college; and also to make and ordain, as occasion may require, reasonable rules, orders and by-laws not repugnant to the constitution and laws of this Commonwealth, with reasonable penalties for the good government of the said college, and for the regulation of their own body; and also, to determine and regulate the course of instruction in said college, and to confer such degrees as are usually conferred by colleges in this Commonwealth, except medical degrees: provided nevertheless that no corporate business shall be transacted at any meeting unless one half, at least, of the trustees are present.

SECTION 3. Said corporation may have a common seal, which they may alter or renew at their pleasure, and all deeds sealed with the seal of said corporation, and signed by their order, shall, when made in their corporate name, be considered in law as the deeds of said corporation: and said corporation may sue and be sued in all actions, real, personal or mixed, and may prosecute the same to final judgment and execution by the name of the Trustees of Boston College; and said corporation shall be capable

of taking and holding in fee simple or any less estate by gift, grant, bequest, devise or otherwise, any lands, tenements or other estate, real or personal: provided, that the clear annual income of the same shall not exceed thirty thousand dollars.

SECTION 4. The clear rents and profits of all the estate, real and personal, of which the said corporation shall be seized and possessed, shall be appropriated to the endowments of said college in such manner as shall most effectually promote virtue and piety, and learning, in such of the languages and of the liberal and useful arts and sciences, as shall be recommended from time to time by the said corporation, they conforming to the will of any donor or donors in the application of any estate which may be given, devised or bequeathed, for any particular object connected with the college.

SECTION 5. No student in said college shall be refused admission to, or denied any of the privileges, honors or degrees of said college on account of the religious opinions he may entertain.

SECTION 6. The legislature of this Commonwealth may grant any further powers to, or alter, limit, annul, or restrain any of the powers vested by this act in the said corporation, as shall be found necessary to promote the best interests of the said college, and more especially may appoint overseers or visitors of the said college, with all necessary powers for the better aid, preservation and government thereof.



The Commonwealth of Massachusetts

Office of the Secretary of State

State House, Boston 02133

MICHAEL JOSEPH CONNOLLY
SECRETARY OF STATE

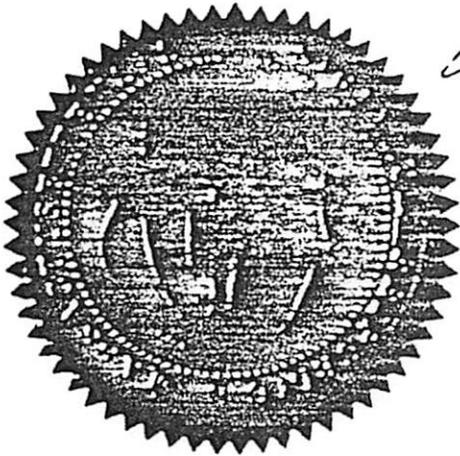
A true Copy Witnessed under the Great
Seal of the Commonwealth of Massachusetts.

Michael Joseph Connolly

Secretary of the Commonwealth.

James W. Lee

Deputy Secretary.



COMMONWEALTH OF MASSACHUSETTS

In the year One Thousand Nine Hundred and Eight

AN ACT TO Amend the Charter of the Trustees of the Boston College of

Section. It is enacted by the Senate and House of Representatives in General Court assembled and by the authority of the same, as follows: Section 1. The corporate name of the Trustees of the Boston College of Medicine, incorporated by Chapter one hundred and twenty-three of the acts of the year one thousand nine hundred and twenty-three, is hereby changed to the Trustees of Boston College. Section 2. But corporation may grant medical degrees to students properly accredited and recommended by its faculty; provided, however, that the course of instruction furnished by the corporation for candidates for such degrees shall occupy not less than three years. Section 3. Section three of said chapter one hundred and twenty-three is hereby amended by striking out the words, "provided, that the clear annual income of the same shall not exceed thirty thousand dollars"; with the last two lines of said section. Section 4. This act shall take effect upon its passage.

House of Representatives. March 30, 1908. Speaker: [Signature]

In Senate. March 31, 1908. President: [Signature]

Approved: [Signature] E. S. Drake

April 1, 1908



The Commonwealth of Massachusetts

Office of the Secretary of State

State House, Boston 02133

MICHAEL JOSEPH CONNOLLY
SECRETARY OF STATE

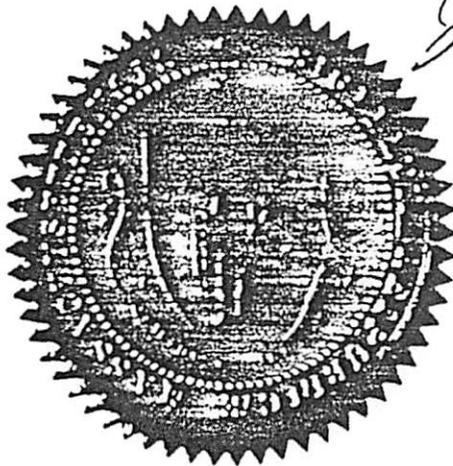
A true Copy Witnessed under the Great
Seal of the Commonwealth of Massachusetts.

Michael Joseph Connolly

Secretary of the Commonwealth.

James W. Lyle

Deputy Secretary.



Chapter 464

4/64

THE COMMONWEALTH OF MASSACHUSETTS

In the Year One Thousand Nine Hundred and Fifty-nine

AN ACT AUTHORIZING THE TRUSTEES OF BOSTON COLLEGE TO HOLD ADDITIONAL REAL AND PERSONAL ESTATE.

Be it enacted by the Senate and House of Representatives in General Court assembled, and by the authority of the same, as follows:

Chapter 129 of the acts of 1869 is hereby amended by striking out section 9, as amended by section 7 of chapter 267 of the acts of 1918, and inserting in place thereof the following section:- Section 9. Said corporation may have a common seal, which they may alter or renew at their pleasure, and all deeds sealed with the seal of said corporation, and signed by their order, shall, when made in their corporate name, be considered in law as the deeds of said corporation; and said corporation may sue and be sued in all actions, real, personal or mixed, and may prosecute the same to final judgment and execution by the name of the Trustees of Boston College; and said corporation shall be capable of taking and holding in fee simple or any less estate by gift, grant, bequest, devise, purchase or otherwise, any real or personal estate or interest therein within or without the commonwealth to an amount not exceeding seventy-five million dollars.

House of Representatives, August 10, 1959.

Passed to be enacted, *John F. Thompson* Speaker.

In Senate, August 10, 1959.

Passed to be enacted, *John E. Toussaint* President.

August 13, 1959.
Approved.

Fitz Finckh Governor.



The Commonwealth of Massachusetts

Office of the Secretary of State

State House, Boston 02133

MICHAEL JOSEPH CONNOLLY
SECRETARY OF STATE

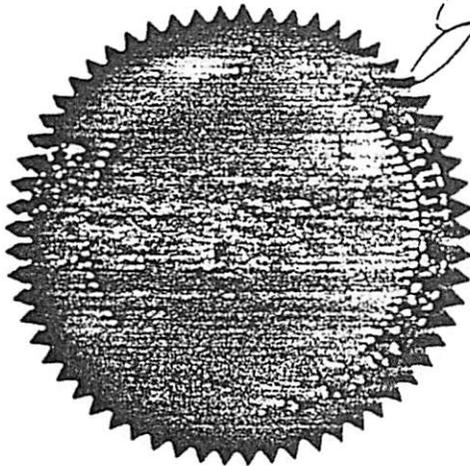
A true Copy Witnessed under the Great
Seal of the Commonwealth of Massachusetts.

Michael Joseph Connolly

Secretary of the Commonwealth.

James W. Lee

Deputy Secretary.



Chapter 1031.

THE COMMONWEALTH OF MASSACHUSETTS

In the Year One Thousand Nine Hundred and Seventy-one

AN ACT REMOVING THE LIMITATION ON THE NUMBER OF PERSONS WHO MAY BE ELECTED AS TRUSTEES OF BOSTON COLLEGE.

Be it enacted by the Senate and House of Representatives in General Court assembled, and by the authority of the same, as follows:

Section 1 of chapter 123 of the acts of 1863 is hereby amended by striking out, in lines 18 to 20, inclusive, the words "": provided, nevertheless, that the number of members shall never be greater than ten".

House of Representatives, November 5, 1971.

Passed to be enacted, *Eric S. Bulfinch*, Speaker.

In Senate, November 5, 1971.

Passed to be enacted, *Kevin B. Humphreys*, President.

November 9, 1971.

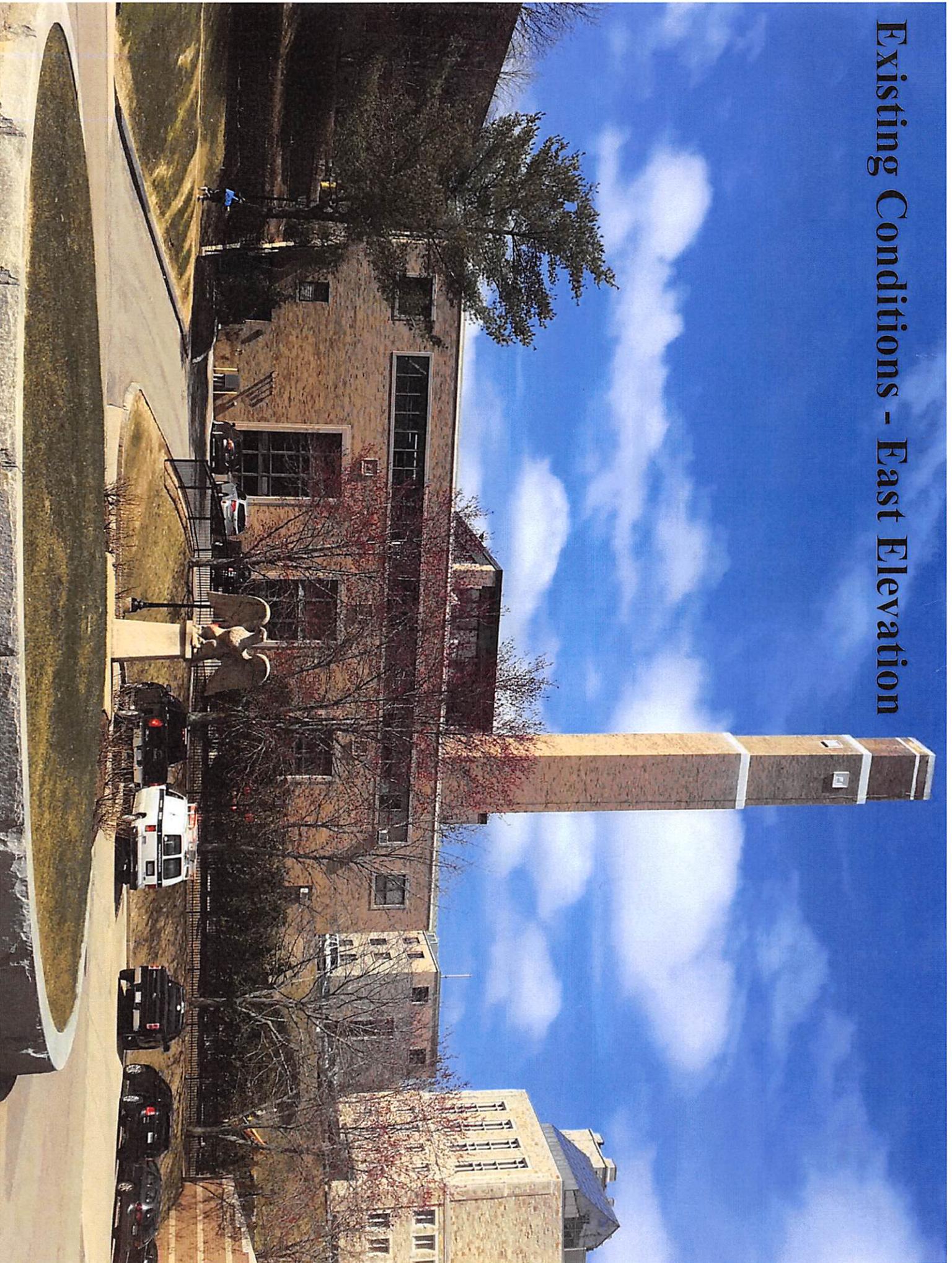
Approved,

Richard S. Good
Governor.

Exhibit B

Photograph/Rendering of Existing and Proposed Condition

Existing Conditions - East Elevation



Proposed Conditions - East Elevation



Exhibit C

Review of Stormwater Runoff



2 Center Plaza, Suite 430
Boston, MA 02108-1928
T: 617-338-0063
F: 617-338-6472
www.nitscheng.com

MEMORANDUM

TO: Michael P. Cavanaugh, AIA, LEED AP
Cannon Design
FROM: Joshua J. Alston, PE, LEED AP BD+C
DATE: April 24, 2018
RE: Boston College-Central Heating Plant Expansion
Nitsch#11105

Storm Drainage

Stormwater runoff from the Service Building and the site surface areas located to the north of the existing Service Building is collected by catch basins and closed drainage piping that discharge to a 24-inch Polyvinyl Chloride Pipe (PVC) that passes through the project site from west to east. This 24-inch PVC pipe is part of the City of Newton storm drainage system that traverses through the Boston College campus from College Road to the City limits with the City of Boston. This storm drain continues through the Boston College lower campus from a drain manhole (DMH) located near the southwest corner of the Conte Forum building and eventually discharges to the Boston Water Sewer Commission Main located in Beacon Street.

Stormwater runoff from the walkway located to the east of Higgins Hall and the parking lot between the Service Building and Higgins Hall are collected by catch basins (CB's) that discharge to a 12-inch drain that generally flows north to south and parallel with the slope between Higgins Hall and Conte Forum to a DMH just north of the Service Building. Roof drainage from Higgins Hall also appears to discharge to this 12-inch drain. This 12-inch drain turns east and discharges to the 24-inch storm drain at a DMH located in the lower vehicular service area adjacent to the Service Building. Stormwater runoff from this lower vehicular service area is collected by a catch basin and routed through a 12-inch pipe to the same DMH near Conte Forum noted above. Roof drainage from the Service Building is also directed to this 12-inch pipe in lower service area.

The construction of the Building Addition will require the relocation of a portion of the 24-inch storm drain and reconfiguring the closed drainage system. The drainage system improvements include the following:

1. The 24-inch storm drain will be re-routed around the north side of the Building Addition. The new drain line has been designed to maintain the capacity of the existing relocated section of pipe by matching or exceeding the pipe slope of the most restrictive segment of the existing system;
2. The catch basin in the upper parking lot will be removed and replaced with a Stormceptor 450i water quality inlet structure (WQI#100). Stormwater runoff from WQI#100 will be routed through a Jellyfish Filter water quality structure (WQS#200) to provide water quality treatment (Total Suspended Solids [TSS] and nutrient [phosphorous] removal). The site is located within the Charles River Watershed, which has a Nutrient (Phosphorus) Total Maximum Daily Load (TMDL). Jellyfish Filter structures were incorporated into the reconfigured portions of the closed drainage system to provide phosphorous removal from the new impervious surfaces associated with the Project site. The water quality inlet structure was incorporated into the stormwater management system design to remove coarse particulates before treatment by the Jellyfish Filter.
3. Catch Basin #101 (CB#101) collects stormwater runoff at a service access entrance along the west side of the Building Addition. CB#101 connects to the 24-inch storm drain at DMH#201 via a 12-inch pipe;
4. The existing 12-inch storm drain serving the Higgins Hall walkway CB's and Higgins Hall roof drain will connect to the re-routed 24-inch storm drain at DMH#203 to the north of the Building Addition;

5. The Project resulting in an increase in impervious area over existing conditions (approximately 2,520 square feet) and a corresponding increase in stormwater runoff. The existing Service Building roof drain and the new Building Addition roof drain will discharge to an underground detention system that will control the proposed discharges from the Project site to existing levels (2-, 10-, and 100-year, and 8.78 inch, 24-hour storm events). The underground detention system consists of 36-inch perforated pipe surrounded by crushed stone and an outlet control manhole structure (OCS#204). The roof drain from the new Building Addition will be routed through a Jellyfish Filter water quality structure prior to discharging to the underground detention system. Groundwater recharge was not incorporated into the design of the underground detention system because the underlying soils were determined to have low to very low permeability rates that are not suitable for stormwater infiltration. This was based on subsurface explorations and geotechnical engineering studies conducted by the Project's Geotechnical Engineer for the proposed Building Addition.