STATE ENVIRONMENTAL QUALITY REVIEW ACT
NEGATIVE DECLARATION
NOTICE OF DETERMINATION OF NON-SIGNIFICANCE

Date: March 10, 2025

Lead Agency: Dormitory Authority of the State of New York
515 Broadway
Albany, New York 12207-2964

Applicant: Barnard College
3009 Broadway
New York, New York 10027

This notice is issued pursuant to the *State Environmental Quality Review Act ("SEQRA")*, codified at Article 8 of the New York Environmental Conservation Law ("ECL"), and its implementing regulations, promulgated at Part 617 of Title 6 of the *New York Codes, Rules and Regulations ("N.Y.C.R.R.")*, which collectively contain the requirements for the *State Environmental Quality Review ("SEQR")* process.

The Dormitory Authority of the State of New York ("DASNY"), as lead agency, has determined that the Proposed Action described below would not have a significant adverse effect on the environment and a Draft Environmental Impact Statement ("DEIS") will not be prepared.

Title of Action: Barnard College
Roy and Diana Vagelos Science Center (2025 Financing Project)
(Independent Colleges and Universities Program)

SEQR Status: Type I Action – 6 *N.Y.C.R.R.* 617.4(b)(9)

Review Type: Coordinated Review

Description of Proposed Action and Proposed Project

The Dormitory Authority of the State of New York ("DASNY") has received a funding request from Barnard College ("Barnard" or the "College") for its *Roy and Diana Vagelos Science Center (2025 Financing Project)*, pursuant to DASNY's Independent Colleges and Universities Program. For purposes of *State Environmental Quality Review ("SEQR")*, the Proposed Action would consist of DASNY's authorization of the issuance of an amount not to exceed $200,000,000 in fixed- and/or variable-rate, tax-exempt and/or taxable bonds to be sold through a negotiated offering and/or a private placement, on behalf of Barnard.

The proceeds of the bond issuance would be used to finance the renovation and expansion of the existing Altschul Hall science building (the "Proposed Project"), including a new 14-story glazed addition to the north of the existing building. The lower levels would provide a student oriented 'Science Commons' and a new gateway to the campus, along with an interior link among four of the college's existing buildings: Millstein, Altschul, Diana and Milbank Halls. The Proposed Project would result in an incremental increase of 17,500 gross square feet ("gsf") as compared to existing conditions. The Proposed Project also includes a full renovation of Altschul Hall, which would increase laboratory space and provide high quality facilities that address the constraints of the existing science research and teaching facilities. When completed, this would greatly expand the existing research space within Altschul Hall, providing adaptable research laboratories for today's research needs and the ability to meet future program requirements without significant renovation.

Location of Proposed Project

Altschul Hall is located at 46 Claremont Avenue (3019 Broadway), on the campus of Barnard College (main address: 3009 Broadway), bounded by West 120th Street to the north, West 116th Street to the south, Broadway to the east, and Claremont Avenue to the west, borough of Manhattan, New York County, New York (the "Project Site").

Description of the Institution

Founded in 1889, Barnard College is devoted to empowering young women to pursue their passions. The College's singular combination of excellence across the arts and sciences, world-class faculty, the vast academic resources of Columbia University, and access to New York City's infinite opportunities, prepares our students for long-term success. Barnard and Columbia have had a continuing affiliation since the College's establishment. This unique relationship, as well as Barnard's ties to several of Columbia's graduate schools and its programs with premier New York City institutions; including the Julliard School, the Manhattan School of Music and the Jewish Theological Seminary of America, gives students a wide range of educational options. The academic organizations within and beyond the College offer students opportunities for research, study, studio experience, career internships, and community service.

Reasons Supporting This Determination

Overview. DASNY completed this environmental review in accordance with the procedures set forth in the *SEQRA*, codified at Article 8 of the New York *Environmental Conservation Law ("ECL")*, and its implementing regulations, promulgated at Part 617 of Title 6 of the *New York Codes, Rules and Regulations ("N.Y.C.R.R.")*, which collectively contain the requirements for the *SEQR* process. The Proposed Project was reviewed following these procedures and this environmental review followed standard environmental analysis methodologies and impact criteria evaluation, unless stated otherwise.

The Proposed Project was reviewed in conformance with the *New York State Historic Preservation Act of 1980 ("SHPA")*, especially the implementing regulations of Section 14.09 of the *Parks, Recreation and Historic Preservation Law ("PRHPL"),* as well as with the requirements of the Memorandum of Understanding ("MOU"), dated March 18, 1998, between DASNY and the New York State Office of Parks, Recreation and Historic Preservation ("OPRHP").

Additionally, the Proposed Project was analyzed for consistency with the State of New York *Smart Growth Public Infrastructure Policy Act ("SGPIPA")*, Article 6 of the New York *ECL*, for a variety of policy areas related to land use and sustainable development. The *Smart Growth Impact Statement Assessment Form ("SGISAF")* is included with this determination.

Representatives of DASNY reviewed the *Full Environmental Assessment Form – Part 1 ("FEAF –Part 1")*, dated January 7, 2025 (attached), and determined that the Proposed Project constitutes a Type I Action pursuant to 6 *N.Y.C.R.R.* 617.4(b)(9) of the *SEQR* implementing regulations. On January 10, 2025, DASNY circulated a lead agency request letter (attached), including the *FEAF – Part 1* as well as a *Distribution List of Involved Agencies and Interested Parties* (attached) to whom the lead agency letter was sent. There being no objection to DASNY assuming *SEQR* lead agency status, DASNY initiated a coordinated review among the involved agencies.

DASNY representatives discussed the Proposed Project's environmental effects with representatives of Barnard College as well as representatives of the involved agencies. DASNY subsequently completed an evaluation of the magnitude and importance of project impacts, as detailed in the *SEQR Supplemental Report* (below) and *FEAF – Parts 2 and 3* (see attached). **Based on the above, and the additional information set forth below, DASNY as lead agency has analyzed the relevant areas of environmental concern and determined that the Proposed Project would not have a significant adverse effect on the environment.**

General Findings. The purpose of the Proposed Project is to provide a modern academic facility for Barnard College. The Roy & Diana Vagelos Science Center ("RDSC") is intended to support, enhance**,** and celebrate research and teaching in the sciences at Barnard. Integral to this approach is a broader intent to foster a sense of community among disciplines both within and outside of the sciences, and to engage the community surrounding Barnard. The goals of the project are highly impactful for the future of the Sciences at Barnard. The RSDC would increase laboratory space and provide quality facilities that address the constraints of the existing science research and teaching facilities. The Proposed Project would provide adaptable laboratories for today's research needs and increase the ability to meet future program requirements without significant renovation. This renewed infrastructure would allow for safe, reliable, and efficient systems supporting the needs of current research and teaching students and for the future generations of Barnard students and scientists.

Overall, the RDSC is intended to represent the highest aspirations of Barnard's institutional mission, inspire current and future students and faculty, and to help express the College's prominent role as a leader in the city's research and educational environment.

In addition to the Proposed Project described above, Barnard is also seeking financing for certain other activities as described below:

Sulzberger Hall chiller and boilers. This component of the proposed financing would involve the installation of a replacement chiller system and additional boilers to be located at Barnard's Sulzberger Hall and a related distribution system connecting to other buildings on the Barnard campus.

Refunding. This component of the proposed financing would involve the refunding of all or a portion of DASNY's Barnard College Series 2015A Bonds and DASNY's Barnard College taxable Series 2022B Bonds.

DASNY's overall *SEQR* classification for all elements of the proposed financing is Type I.[1] The Sulzberger Hall Chiller and Boilers is a Type II action under SEQR as specifically designated by 6 N.Y.C.R.R. § 617.5(c)(2) and (31). The *Refunding* is a Type II action under SEQR as specifically designated by 6 N.Y.C.R.R. § 617.5(c)(29).

Type II actions "have been determined not to have significant impact on the environment or are otherwise precluded from environmental review under *Environmental Conservation Law*, article 8."[2] Therefore, no further *SEQR* determination or procedure is required for any component of the Proposed Project identified as Type II. It is the determination of DASNY that these components of the Proposed Project would not cumulatively result in significant adverse environmental impacts.

Hence, the environmental review which follows focuses on the *Roy & Diana Vagelos Science Center*, referred to hereafter as the "Proposed Project."

Potential Impacts. DASNY, as lead agency, has inventoried all potential resources that could be affected by the Proposed Project or action, and assessed the magnitude, duration, likelihood, scale, and context of the Proposed Project and determined that no impact, or a small impact, may occur to the following resources: Land Use, Zoning, Smart Growth, Socioeconomics, Community Facilities, Open Space, Shadows, Cultural Resources, Urban Design and Visual Resources, Natural Resources, Hazardous Materials, Infrastructure, Solid Waste, Energy, Transportation, Air Quality, Greenhouse Gases, Noise, Public Health, Neighborhood Character, and Construction (see *SEQR Supplemental Report* and *FEAF – Parts 2 and 3*). No potential negative long-term or cumulative impacts or significant adverse environmental impacts were identified in connection with the Proposed Project.

SHPA Determination. As noted above, the Proposed Project was reviewed in conformance with the *SHPA*, section 14.09 of the *PRHPL*, as well as with the requirements of the MOU between DASNY and OPRHP. OPRHP is an Interested Agency for the purposes of this *SEQR* review.

[1] 6 N.Y.C.R.R. § 617.4(b)(9).
[2] 6 N.Y.C.R.R. § 617.5(a).

DASNY submitted the Proposed Project to OPRHP for review (OPRHP №. 22PR05882), and in its letter of June 29, 2023 (attached), OPRHP concluded that the Proposed Project would have No Adverse Impact upon historic resources.

It is the opinion of DASNY that the Proposed Project would have no adverse impact on historical or cultural resources in or eligible for inclusion in the National and State Registers of Historic Places.

Summary. DASNY has reviewed the Proposed Project using criteria provided in Part 617.7 of *SEQRA* and has determined that:

(i) there will be no substantial adverse change in existing air quality, ground or surface water quality or quantity, traffic or noise levels; no substantial increase in solid waste production; and no substantial increase in potential for erosion, flooding, leaching or drainage problems;
(ii) there will be no removal or destruction of large quantities of vegetation or fauna; no substantial interference with the movement of any resident or migratory fish or wildlife species; no impacts on a significant habitat area; no substantial adverse impacts on a threatened or endangered species of animal or plant, or the habitat of such a species; or other significant adverse impacts to natural resources;
(iii) there will be no impairment of the environmental characteristics of a Critical Environmental Area as designated pursuant to subdivision 617.14(g) of this Part;
(iv) there will be no creation of a material conflict with a community's current plans or goals as officially approved or adopted;
(v) there will be no impairment of the character or quality of important historical, archeological, architectural, or aesthetic resources or of existing community or neighborhood character;
(vi) there will be no major change in the use of either the quantity or type of energy;
(vii) there will be no creation of a hazard to human health;
(viii) there will be no substantial change in the use, or intensity of use, of land including agricultural, open space or recreational resources, or in its capacity to support existing uses;
(ix) there will be no encouraging or attracting of a large number of people to a place or places for more than a few days, compared to the number of people who would come to such place absent the action;
(x) there will be no creation of a material demand for other actions that would result in one of the above consequences;
(xi) there will be no changes in two or more elements of the environment, no one of which has a significant impact on the environment, but when considered together result in a substantial adverse impact on the environment;
(xii) there will not be two or more related actions undertaken, funded or approved by an agency, none of which has or would have a significant impact on the environment, but when considered cumulatively would meet one or more of the criteria in this subdivision; and
(xiii) there will be no other significant adverse environmental impacts.

Based on the above, and the additional information contained herein, DASNY, as lead agency, analyzed the relevant areas of environmental concern and determined that the Proposed Project would not have a significant adverse impact on the environment and a Draft Environmental Impact Statement will not be prepared.

For Further Information:

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Director
Office of Environmental Affairs

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Albany, New York 12207-2964

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Email: rderico@dasny.org

STATE ENVIRONMENTAL QUALITY REVIEW (SEQR)
DISTRIBUTION LIST OF INVOLVED AGENCIES AND INTERESTED PARTIES
FOR THE
BARNARD COLLEGE
ROY AND DIANA VAGELOS SCIENCE CENTER

The Honorable Eric Adams
Mayor
City of New York
City Hall
New York, New York 10007

Ms. Hilary Semel
Director
Mayor's Office of Environmental Coordination
253 Broadway, 14th Floor
New York, New York 10007
HSemel@cityhall.nyc.gov

The Honorable Mark D. Levine
Manhattan Borough President
1 Centre Street, 19th Floor
New York, New York 10007
info@manhattanbp.nyc.gov

Ms. Sandra Kim
Interim Vice President of Finance
Chief Financial Officer
Barnard College
3009 Broadway
New York, New York 10027
sankim@barnard.edu

Ms. June Ng
Executive Director, Capital Projects
Barnard College
3009 Broadway
New York, New York 10027
jng@barnard.edu

Mr. Rodney Rivera
Acting Director, Region 2
New York State Dept. of Environmental Conservation
1 Hunters Point Plaza
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Long Island City, New York 11101-5401
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Dr. Nancy Herter, Ph.D.
Director, Technical Preservation Bureau
Division for Historic Preservation
NYS Parks, Recreation and Historic Preservation
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New York, New York 10005
mstanley@dasny.org

STATE ENVIRONMENTAL QUALITY REVIEW (SEQR)
DISTRIBUTION LIST OF INVOLVED AGENCIES AND INTERESTED PARTIES
FOR THE
BARNARD COLLEGE
ROY AND DIANA VAGELOS SCIENCE CENTER

Environmental Assessment Package

Barnard College Roy and Diana Vagelos Science Center

January 6, 2025

Prepared for:

Barnard College
3009 Broadway
New York, New York 10027

Prepared by:

Roux Associates, Inc.
209 Shafter Street
Islandia, New York 11749

2549.0013Y104/CV

Instructions for Completing Part 1

Part 1 is to be completed by the applicant or project sponsor. Responses become part of the application for approval or funding, are subject to public review, and may be subject to further verification.

Complete Part 1 based on information currently available. If additional research or investigation would be needed to fully respond to any item, please answer as thoroughly as possible based on current information; indicate whether missing information does not exist, or is not reasonably available to the sponsor; and, when possible, generally describe work or studies which would be necessary to update or fully develop that information.

Applicants/sponsors must complete all items in Sections A & B. In Sections C, D & E, most items contain an initial question that must be answered either "Yes" or "No". If the answer to the initial question is "Yes", complete the sub-questions that follow. If the answer to the initial question is "No", proceed to the next question. Section F allows the project sponsor to identify and attach any additional information. Section G requires the name and signature of the applicant or project sponsor to verify that the information contained in Part 1is accurate and complete.

A. Project and Applicant/Sponsor Information.

Name of Action or Project: Barnard College - Roy and Diana Vagelos Science Center		
Project Location (describe, and attach a general location map): Barnard College, 3009 Broadway, New York, NY 10027		
Brief Description of Proposed Action (include purpose or need): The proposed project includes the renovation of and addition to the existing Altschul Hall science building located at 46 Claremont Avenue (3019 Broadway) at the Morning Side Heights Barnard College Campus in Manhattan. The first levels of the project also provide an opportunity to create an interior link among four of the college's buildings: Millstein, Altschul, Diana and Milbank. Currently this circulation happens mostly below grade, in tight corridors with little access to natural light. The design for the 2nd floor portion of the project proposes a glazed volume along the east (campus) side of Altschul, accommodating circulation as well as Science Commons spaces. This volume is angled as it approaches the northeast corner of Altschul Hall, creating a greater feeling of openness in the adjacent exterior spaces as well as a stronger visual connection to the Milbank courtyard. At the northeast corner of the science commons, an open architectural stair forms a connection between level 2 and level 1 of the project and mediates the grade changes within the campus; this stair terminates in a new glazed atrium space which occupies the space between Milbank and Altschul Halls and provides a new gateway to the campus as well as entry to these two buildings and a Community Science Classroom. In addition to these elements at the lower levels, the project features a full renovation of Altschul hall, which will increase laboratory space and provide high facilities.		
Name of Applicant/Sponsor: Barnard College	Telephone: (646) 745-8360 E-Mail: jng@barnard.edu	
Address: 3009 Broadway		
City/PO: New York	State: NY	Zip Code: 10027
Project Contact (if not same as sponsor; give name and title/role): Same as above	Telephone: E-Mail:	
Address:		
City/PO:	State:	Zip Code:
Property Owner (if not same as sponsor): Same as above	Telephone: E-Mail:	
Address:		
City/PO:	State:	Zip Code:

B. Government Approvals

B. Government Approvals, Funding, or Sponsorship. ("Funding" includes grants, loans, tax relief, and any other forms of financial assistance.)

Government Entity	If Yes: Identify Agency and Approval(s) Required	Application Date (Actual or projected)
a. City Council, Town Board, or Village Board of Trustees ☐Yes ☐No		
b. City, Town or Village Planning Board or Commission ☐Yes ☐No		
c. City, Town or Village Zoning Board of Appeals ☐Yes ☐No		
d. Other local agencies ☐Yes ☐No		
e. County agencies ☐Yes ☑No		
f. Regional agencies ☐Yes ☑No		
g. State agencies ☑Yes ☐No	DASNY Bond Financing	
h. Federal agencies ☐Yes ☑No		

i. Coastal Resources.

i. Is the project site within a Coastal Area, or the waterfront area of a Designated Inland Waterway? ☐Yes ☑No

ii. Is the project site located in a community with an approved Local Waterfront Revitalization Program? ☑Yes ☐No

iii. Is the project site within a Coastal Erosion Hazard Area? ☐Yes ☑No

C. Planning and Zoning

C.1. Planning and zoning actions.

Will administrative or legislative adoption, or amendment of a plan, local law, ordinance, rule or regulation be the only approval(s) which must be granted to enable the proposed action to proceed? ☐Yes ☑No

- **If Yes,** complete sections C, F and G.
- **If No,** proceed to question C.2 and complete all remaining sections and questions in Part 1

C.2. Adopted land use plans.

a. Do any municipally- adopted (city, town, village or county) comprehensive land use plan(s) include the site where the proposed action would be located? ☐Yes ☑No

If Yes, does the comprehensive plan include specific recommendations for the site where the proposed action would be located? ☐Yes ☑No

b. Is the site of the proposed action within any local or regional special planning district (for example: Greenway; Brownfield Opportunity Area (BOA); designated State or Federal heritage area; watershed management plan; or other?) ☐Yes ☑No

If Yes, identify the plan(s):

_____

_____

_____

c. Is the proposed action located wholly or partially within an area listed in an adopted municipal open space plan, or an adopted municipal farmland protection plan? ☐Yes ☑No

If Yes, identify the plan(s):

_____

_____

_____

C.3. Zoning

a. Is the site of the proposed action located in a municipality with an adopted zoning law or ordinance. ☑ Yes ☐ No
If Yes, what is the zoning classification(s) including any applicable overlay district?
R8 Medium Residence District (NYC)

b. Is the use permitted or allowed by a special or conditional use permit? ☑ Yes ☐ No

c. Is a zoning change requested as part of the proposed action? ☐ Yes ☑ No
If Yes,
i. What is the proposed new zoning for the site? _____

C.4. Existing community services.

a. In what school district is the project site located? NYC School District 3

b. What police or other public protection forces serve the project site?
NYPD 26 Precinct, Sector B

c. Which fire protection and emergency medical services serve the project site?
FDNY Engine 47

d. What parks serve the project site?
Proposed project is located near Riverside Park, Sheltering Arms Playground, Sakura Park, Morningside Park, Old Croton Aqueduct Gatehouse, and Playground One Twenty Five CXXV

D. Project Details

D.1. Proposed and Potential Development

a. What is the general nature of the proposed action (e.g., residential, industrial, commercial, recreational; if mixed, include all components)? Community Facility/Institutional/Educational - Science Center

b. a. Total acreage of the site of the proposed action? 4.36 acres
b. Total acreage to be physically disturbed? 0.27 acres
c. Total acreage (project site and any contiguous properties) owned or controlled by the applicant or project sponsor? 4.36 acres

c. Is the proposed action an expansion of an existing project or use? ☑ Yes ☐ No
i. If Yes, what is the approximate percentage of the proposed expansion and identify the units (e.g., acres, miles, housing units, square feet)? % 19.3 Units: Square Feet

d. Is the proposed action a subdivision, or does it include a subdivision? ☐ Yes ☑ No
If Yes,
i. Purpose or type of subdivision? (e.g., residential, industrial, commercial; if mixed, specify types)
ii. Is a cluster/conservation layout proposed? ☐ Yes ☑ No
iii. Number of lots proposed? _____
iv. Minimum and maximum proposed lot sizes? Minimum _____ Maximum _____

e. Will the proposed action be constructed in multiple phases? ☐ Yes ☑ No
i. If No, anticipated period of construction: 24 months
ii. If Yes:
- Total number of phases anticipated _____
- Anticipated commencement date of phase 1 (including demolition) _____ month _____ year
- Anticipated completion date of final phase _____ month _____year
- Generally describe connections or relationships among phases, including any contingencies where progress of one phase may determine timing or duration of future phases: _____

f. Does the project include new residential uses? ☐ Yes ☑ No

If Yes, show numbers of units proposed.

	One Family	Two Family	Three Family	Multiple Family (four or more)
Initial Phase				
At completion of all phases				

g. Does the proposed action include new non-residential construction (including expansions)? ☑ Yes ☐ No

If Yes,

i. Total number of structures 1

ii. Dimensions (in feet) of largest proposed structure: 230 height; 80 width; and 128 length

iii. Approximate extent of building space to be heated or cooled: 175,000 square feet

h. Does the proposed action include construction or other activities that will result in the impoundment of any liquids, such as creation of a water supply, reservoir, pond, lake, waste lagoon or other storage? ☐ Yes ☑ No

If Yes,

i. Purpose of the impoundment: _____

ii. If a water impoundment, the principal source of the water: ☐ Ground water ☐ Surface water streams ☐ Other specify:

_____

iii. If other than water, identify the type of impounded/contained liquids and their source.

_____

iv. Approximate size of the proposed impoundment. Volume: _____ million gallons; surface area: _____ acres

v. Dimensions of the proposed dam or impounding structure: _____ height; _____ length

vi. Construction method/materials for the proposed dam or impounding structure (e.g., earth fill, rock, wood, concrete):

_____

D.2. Project Operations

a. Does the proposed action include any excavation, mining, or dredging, during construction, operations, or both? ☑ Yes ☐ No
(Not including general site preparation, grading or installation of utilities or foundations where all excavated materials will remain onsite)

If Yes:

i .What is the purpose of the excavation or dredging? Matching footing of proposed building with existing footing elevation of Milbank Hall

ii. How much material (including rock, earth, sediments, etc.) is proposed to be removed from the site?

- Volume (specify tons or cubic yards): Unknown
- Over what duration of time? Unknown

iii. Describe nature and characteristics of materials to be excavated or dredged, and plans to use, manage or dispose of them.

Removal of soil/fill and bedrock for proposed building footings. Material will be disposed of in accordance with state/federal requirements

_____

iv. Will there be onsite dewatering or processing of excavated materials? ☐ Yes ☑ No
If yes, describe. _____

_____

v. What is the total area to be dredged or excavated? _____ acres

vi. What is the maximum area to be worked at any one time? _____ acres

vii. What would be the maximum depth of excavation or dredging? _____ feet

viii. Will the excavation require blasting? ☐ Yes ☑ No

ix. Summarize site reclamation goals and plan: _____

_____

_____

b. Would the proposed action cause or result in alteration of, increase or decrease in size of, or encroachment into any existing wetland, waterbody, shoreline, beach or adjacent area? ☐ Yes ☑ No

If Yes:

i. Identify the wetland or waterbody which would be affected (by name, water index number, wetland map number or geographic description): _____

_____

ii. Describe how the proposed action would affect that waterbody or wetland, e.g. excavation, fill, placement of structures, or alteration of channels, banks and shorelines. Indicate extent of activities, alterations and additions in square feet or acres:

_____

_____

_____

_____

iii. Will the proposed action cause or result in disturbance to bottom sediments? ☐ Yes ☑ No

If Yes, describe: _____

iv. Will the proposed action cause or result in the destruction or removal of aquatic vegetation? ☐ Yes ☑ No

If Yes:

- acres of aquatic vegetation proposed to be removed: _____
- expected acreage of aquatic vegetation remaining after project completion: _____
- purpose of proposed removal (e.g. beach clearing, invasive species control, boat access): _____

_____

- proposed method of plant removal: _____
- if chemical/herbicide treatment will be used, specify product(s): _____

v. Describe any proposed reclamation/mitigation following disturbance: _____

_____

c. Will the proposed action use, or create a new demand for water? ☑ Yes ☐ No

If Yes:

i. Total anticipated water usage/demand per day: 250,000 gallons/day

ii. Will the proposed action obtain water from an existing public water supply? ☑ Yes ☐ No

If Yes:

- Name of district or service area: New York City Department of Environmental Protection
- Does the existing public water supply have capacity to serve the proposal? ☑ Yes ☐ No
- Is the project site in the existing district? ☑ Yes ☐ No
- Is expansion of the district needed? ☐ Yes ☑ No
- Do existing lines serve the project site? ☑ Yes ☐ No

iii. Will line extension within an existing district be necessary to supply the project? ☐ Yes ☑ No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____

_____

- Source(s) of supply for the district: _____

iv. Is a new water supply district or service area proposed to be formed to serve the project site? ☐ Yes ☑ No

If, Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- Proposed source(s) of supply for new district: _____

v. If a public water supply will not be used, describe plans to provide water supply for the project: _____

_____

vi. If water supply will be from wells (public or private), what is the maximum pumping capacity: N/A gallons/minute.

d. Will the proposed action generate liquid wastes? ☑ Yes ☐ No

If Yes:

i. Total anticipated liquid waste generation per day: 198,750 gallons/day

ii. Nature of liquid wastes to be generated (e.g., sanitary wastewater, industrial; if combination, describe all components and approximate volumes or proportions of each): _____

_____

_____

iii. Will the proposed action use any existing public wastewater treatment facilities? ☑ Yes ☐ No

If Yes:

- Name of wastewater treatment plant to be used: North River Wastewater Treatment Plant
- Name of district: New York City Department of Environmental Protection
- Does the existing wastewater treatment plant have capacity to serve the project? ☑ Yes ☐ No
- Is the project site in the existing district? ☑ Yes ☐ No
- Is expansion of the district needed? ☐ Yes ☑ No

- Do existing sewer lines serve the project site? ☑ Yes ☐ No
- Will a line extension within an existing district be necessary to serve the project? ☐ Yes ☑ No

If Yes:

- Describe extensions or capacity expansions proposed to serve this project: _____

iv. Will a new wastewater (sewage) treatment district be formed to serve the project site? ☐ Yes ☑ No

If Yes:

- Applicant/sponsor for new district: _____
- Date application submitted or anticipated: _____
- What is the receiving water for the wastewater discharge? _____

v. If public facilities will not be used, describe plans to provide wastewater treatment for the project, including specifying proposed receiving water (name and classification if surface discharge or describe subsurface disposal plans):

_____

vi. Describe any plans or designs to capture, recycle or reuse liquid waste: _____

e. Will the proposed action disturb more than one acre and create stormwater runoff, either from new point sources (i.e. ditches, pipes, swales, curbs, gutters or other concentrated flows of stormwater) or non-point source (i.e. sheet flow) during construction or post construction? ☐ Yes ☑ No

If Yes:

i. How much impervious surface will the project create in relation to total size of project parcel?

_____ Square feet or _____ acres (impervious surface)

_____ Square feet or _____ acres (parcel size)

ii. Describe types of new point sources. _____

iii. Where will the stormwater runoff be directed (i.e. on-site stormwater management facility/structures, adjacent properties, groundwater, on-site surface water or off-site surface waters)?

- If to surface waters, identify receiving water bodies or wetlands: _____
- Will stormwater runoff flow to adjacent properties? ☐ Yes ☐ No

iv. Does the proposed plan minimize impervious surfaces, use pervious materials or collect and re-use stormwater? ☐ Yes ☐ No

f. Does the proposed action include, or will it use on-site, one or more sources of air emissions, including fuel combustion, waste incineration, or other processes or operations? ☑ Yes ☐ No

If Yes, identify:

i. Mobile sources during project operations (e.g., heavy equipment, fleet or delivery vehicles)

Typical construction equipment may generate air emissions

ii. Stationary sources during construction (e.g., power generation, structural heating, batch plant, crushers)

Typical construction equipment may generate air emissions

iii. Stationary sources during operations (e.g., process emissions, large boilers, electric generation)

HVAC system

g. Will any air emission sources named in D.2.f (above), require a NY State Air Registration, Air Facility Permit, or Federal Clean Air Act Title IV or Title V Permit? ☐ Yes ☑ No

If Yes:

i. Is the project site located in an Air quality non-attainment area? (Area routinely or periodically fails to meet ambient air quality standards for all or some parts of the year) ☐ Yes ☐ No

ii. In addition to emissions as calculated in the application, the project will generate:

- _____Tons/year (short tons) of Carbon Dioxide (CO_2)
- _____Tons/year (short tons) of Nitrous Oxide (N_2O)
- _____Tons/year (short tons) of Perfluorocarbons (PFCs)
- _____Tons/year (short tons) of Sulfur Hexafluoride (SF_6)
- _____Tons/year (short tons) of Carbon Dioxide equivalent of Hydroflourocarbons (HFCs)
- _____Tons/year (short tons) of Hazardous Air Pollutants (HAPs)

h. Will the proposed action generate or emit methane (including, but not limited to, sewage treatment plants, landfills, composting facilities)? ☐Yes ☑No

If Yes:

i. Estimate methane generation in tons/year (metric): _____

ii. Describe any methane capture, control or elimination measures included in project design (e.g., combustion to generate heat or electricity, flaring): _____

_____

i. Will the proposed action result in the release of air pollutants from open-air operations or processes, such as quarry or landfill operations? ☐Yes ☑No

If Yes: Describe operations and nature of emissions (e.g., diesel exhaust, rock particulates/dust):

_____

_____

j. Will the proposed action result in a substantial increase in traffic above present levels or generate substantial new demand for transportation facilities or services? ☐Yes ☑No

If Yes:

i. When is the peak traffic expected (Check all that apply): ☐ Morning ☐ Evening ☐Weekend ☐ Randomly between hours of _____ to _____.

ii. For commercial activities only, projected number of truck trips/day and type (e.g., semi trailers and dump trucks): _____

_____

iii. Parking spaces: Existing _____ Proposed _____ Net increase/decrease _____

iv. Does the proposed action include any shared use parking? ☐Yes ☐No

v. If the proposed action includes any modification of existing roads, creation of new roads or change in existing access, describe:

_____

vi. Are public/private transportation service(s) or facilities available within ½ mile of the proposed site? ☐Yes ☐No

vii Will the proposed action include access to public transportation or accommodations for use of hybrid, electric or other alternative fueled vehicles? ☐Yes ☐No

viii. Will the proposed action include plans for pedestrian or bicycle accommodations for connections to existing pedestrian or bicycle routes? ☐Yes ☐No

k. Will the proposed action (for commercial or industrial projects only) generate new or additional demand for energy? ☐Yes ☑No

If Yes:

i. Estimate annual electricity demand during operation of the proposed action: _____

_____

ii. Anticipated sources/suppliers of electricity for the project (e.g., on-site combustion, on-site renewable, via grid/local utility, or other):

_____

iii. Will the proposed action require a new, or an upgrade, to an existing substation? ☐Yes ☑No

l. Hours of operation. Answer all items which apply.

i. During Construction:

- Monday - Friday: 7:00 AM - 6:00 PM
- Saturday: none
- Sunday: none
- Holidays: none

ii. During Operations:

- Monday - Friday: 6am - 8pm
- Saturday: 6am - 8pm
- Sunday: 6am - 8pm
- Holidays: 6am - 8pm

m. Will the proposed action produce noise that will exceed existing ambient noise levels during construction, operation, or both? ☑ Yes ☐ No

If yes:

i. Provide details including sources, time of day and duration:

Construction activities may exceed existing ambient noise levels. However, construction activities would occur within the hours allowed by New York City law. Upon completion of construction activities, noise levels would be similar to existing ambient noise levels.

ii. Will the proposed action remove existing natural barriers that could act as a noise barrier or screen? ☐ Yes ☑ No

Describe: _____

n. Will the proposed action have outdoor lighting? ☑ Yes ☐ No

If yes:

i. Describe source(s), location(s), height of fixture(s), direction/aim, and proximity to nearest occupied structures:

Outdoor lighting on the building would be installed as necessary to facilitate site safety and wayfinding. All outdoor lighting would be consistent with applicable New York City regulations

ii. Will proposed action remove existing natural barriers that could act as a light barrier or screen? ☐ Yes ☑ No

Describe: _____

o. Does the proposed action have the potential to produce odors for more than one hour per day? ☑ Yes ☐ No

If Yes, describe possible sources, potential frequency and duration of odor emissions, and proximity to nearest occupied structures: _____

Construction activities may produce odors related to construction equipment operating near pedestrians. Once construction activities are completed, the odor source will be removed.

p. Will the proposed action include any bulk storage of petroleum (combined capacity of over 1,100 gallons) or chemical products 185 gallons in above ground storage or any amount in underground storage? ☐ Yes ☑ No

If Yes:

i. Product(s) to be stored _____

ii. Volume(s) _____ per unit time _____ (e.g., month, year)

iii. Generally, describe the proposed storage facilities:_____

q. Will the proposed action (commercial, industrial and recreational projects only) use pesticides (i.e., herbicides, insecticides) during construction or operation? ☐ Yes ☑ No

If Yes:

i. Describe proposed treatment(s):

_____

ii. Will the proposed action use Integrated Pest Management Practices? ☐ Yes ☐ No

r. Will the proposed action (commercial or industrial projects only) involve or require the management or disposal of solid waste (excluding hazardous materials)? ☐ Yes ☑ No

If Yes:

i. Describe any solid waste(s) to be generated during construction or operation of the facility:

- Construction: _____ tons per _____ (unit of time)
- Operation : _____ tons per _____ (unit of time)

ii. Describe any proposals for on-site minimization, recycling or reuse of materials to avoid disposal as solid waste:

- Construction: _____
- Operation: _____

iii. Proposed disposal methods/facilities for solid waste generated on-site:

- Construction: _____
- Operation: _____

s. Does the proposed action include construction or modification of a solid waste management facility? ☐ Yes ☑ No

If Yes:

i. Type of management or handling of waste proposed for the site (e.g., recycling or transfer station, composting, landfill, or other disposal activities): _____

ii. Anticipated rate of disposal/processing:

- _____ Tons/month, if transfer or other non-combustion/thermal treatment, or
- _____ Tons/hour, if combustion or thermal treatment

iii. If landfill, anticipated site life: _____ years

t. Will the proposed action at the site involve the commercial generation, treatment, storage, or disposal of hazardous waste? ☑ Yes ☐ No

If Yes:

i. Name(s) of all hazardous wastes or constituents to be generated, handled or managed at facility: _____

N/A - Educational Building

ii. Generally describe processes or activities involving hazardous wastes or constituents: _____

iii. Specify amount to be handled or generated _____ tons/month

iv. Describe any proposals for on-site minimization, recycling or reuse of hazardous constituents: _____

v. Will any hazardous wastes be disposed at an existing offsite hazardous waste facility? ☐ Yes ☐ No

If Yes: provide name and location of facility: _____

If No: describe proposed management of any hazardous wastes which will not be sent to a hazardous waste facility:

E. Site and Setting of Proposed Action

E.1. Land uses on and surrounding the project site

a. Existing land uses.

i. Check all uses that occur on, adjoining and near the project site.

☑ Urban ☐ Industrial ☐ Commercial ☐ Residential (suburban) ☐ Rural (non-farm)
☐ Forest ☐ Agriculture ☐ Aquatic ☐ Other (specify): _____

ii. If mix of uses, generally describe:

Surrounding area consists of mixed use (residential/commercial) properties, as well as educational and religious institutions.

b. Land uses and covertypes on the project site.

Land use or Covertype	Current Acreage	Acreage After Project Completion	Change (Acres +/-)
• Roads, buildings, and other paved or impervious surfaces	3.21	3.21	0
• Forested	0	0	0
• Meadows, grasslands or brushlands (non-agricultural, including abandoned agricultural)	0	0	0
• Agricultural (includes active orchards, field, greenhouse etc.)	0	0	0
• Surface water features (lakes, ponds, streams, rivers, etc.)	0	0	0
• Wetlands (freshwater or tidal)	0	0	0
• Non-vegetated (bare rock, earth or fill)	0	0	0
• Other Describe: _____			

c. Is the project site presently used by members of the community for public recreation? ☐ Yes ☑ No

i. If Yes: explain: _____

d. Are there any facilities serving children, the elderly, people with disabilities (e.g., schools, hospitals, licensed day care centers, or group homes) within 1500 feet of the project site? ☑ Yes ☐ No

If Yes,

i. Identify Facilities:

Barnard College Toddler Center - 3009 Broadway, New York, NY 10027; Tompkins Hall Nursery School - 21 Claremont Ave, New York, NY 10027

e. Does the project site contain an existing dam? ☐ Yes ☑ No

If Yes:

i. Dimensions of the dam and impoundment:

- Dam height: _____ feet
- Dam length: _____ feet
- Surface area: _____ acres
- Volume impounded: _____ gallons OR acre-feet

ii. Dam's existing hazard classification: _____

iii. Provide date and summarize results of last inspection:

_____

_____

f. Has the project site ever been used as a municipal, commercial or industrial solid waste management facility, or does the project site adjoin property which is now, or was at one time, used as a solid waste management facility? ☐ Yes ☑ No

If Yes:

i. Has the facility been formally closed? ☐ Yes ☐ No

- If yes, cite sources/documentation: _____

ii. Describe the location of the project site relative to the boundaries of the solid waste management facility:

_____

_____

iii. Describe any development constraints due to the prior solid waste activities: _____

_____

g. Have hazardous wastes been generated, treated and/or disposed of at the site, or does the project site adjoin property which is now or was at one time used to commercially treat, store and/or dispose of hazardous waste? ☐ Yes ☑ No

If Yes:

i. Describe waste(s) handled and waste management activities, including approximate time when activities occurred:

_____

_____

h. Potential contamination history. Has there been a reported spill at the proposed project site, or have any remedial actions been conducted at or adjacent to the proposed site? ☐ Yes ☑ No

If Yes:

i. Is any portion of the site listed on the NYSDEC Spills Incidents database or Environmental Site Remediation database? Check all that apply: ☐ Yes ☑ No

☐ Yes – Spills Incidents database — Provide DEC ID number(s): _____

☐ Yes – Environmental Site Remediation database — Provide DEC ID number(s): _____

☐ Neither database

ii. If site has been subject of RCRA corrective activities, describe control measures:_____

_____

_____

iii. Is the project within 2000 feet of any site in the NYSDEC Environmental Site Remediation database? ☑ Yes ☐ No

If yes, provide DEC ID number(s): 546031

iv. If yes to (i), (ii) or (iii) above, describe current status of site(s):

_____

_____

v. Is the project site subject to an institutional control limiting property uses? ☐ Yes ☑ No

- If yes, DEC site ID number: _____
- Describe the type of institutional control (e.g., deed restriction or easement): _____
- Describe any use limitations: _____
- Describe any engineering controls: _____
- Will the project affect the institutional or engineering controls in place? ☐ Yes ☐ No
- Explain: _____

E.2. Natural Resources On or Near Project Site

a. What is the average depth to bedrock on the project site? 11 feet

b. Are there bedrock outcroppings on the project site? ☐ Yes ☑ No
If Yes, what proportion of the site is comprised of bedrock outcroppings? _____%

c. Predominant soil type(s) present on project site:

Urban Land - Greenbelt Complex	55 %
Urban Land - till substratum	45 %
	%

d. What is the average depth to the water table on the project site? Average: 14.5 feet

e. Drainage status of project site soils:

☑	Well Drained:	100 % of site
☐	Moderately Well Drained:	% of site
☐	Poorly Drained	% of site

f. Approximate proportion of proposed action site with slopes:

☑	0-10%:	100 % of site
☐	10-15%:	% of site
☐	15% or greater:	% of site

g. Are there any unique geologic features on the project site? ☐ Yes ☑ No
If Yes, describe: _____

h. Surface water features.

i. Does any portion of the project site contain wetlands or other waterbodies (including streams, rivers, ponds or lakes)? ☐ Yes ☑ No

ii. Do any wetlands or other waterbodies adjoin the project site? ☐ Yes ☑ No

If Yes to either *i* or *ii*, continue. If No, skip to E.2.i.

iii. Are any of the wetlands or waterbodies within or adjoining the project site regulated by any federal, state or local agency? ☐ Yes ☐ No

iv. For each identified regulated wetland and waterbody on the project site, provide the following information:

- Streams: Name _____ Classification _____
- Lakes or Ponds: Name _____ Classification _____
- Wetlands: Name _____ Approximate Size _____
- Wetland No. (if regulated by DEC) _____

v. Are any of the above water bodies listed in the most recent compilation of NYS water quality-impaired waterbodies? ☐ Yes ☐ No

If yes, name of impaired water body/bodies and basis for listing as impaired: _____

i. Is the project site in a designated Floodway? ☐ Yes ☑ No

j. Is the project site in the 100-year Floodplain? ☐ Yes ☑ No

k. Is the project site in the 500-year Floodplain? ☐ Yes ☑ No

l. Is the project site located over, or immediately adjoining, a primary, principal or sole source aquifer? ☐ Yes ☑ No
If Yes:

i. Name of aquifer: _____

m. Identify the predominant wildlife species that occupy or use the project site: _____

_____ _____ _____

_____ _____ _____

n. Does the project site contain a designated significant natural community? ☐ Yes ☑ No

If Yes:

i. Describe the habitat/community (composition, function, and basis for designation): _____

_____

ii. Source(s) of description or evaluation: _____

iii. Extent of community/habitat:

- Currently: _____ acres
- Following completion of project as proposed: _____ acres
- Gain or loss (indicate + or -): _____ acres

o. Does project site contain any species of plant or animal that is listed by the federal government or NYS as endangered or threatened, or does it contain any areas identified as habitat for an endangered or threatened species? ☐ Yes ☑ No

If Yes:

i. Species and listing (endangered or threatened): _____

_____

_____

p. Does the project site contain any species of plant or animal that is listed by NYS as rare, or as a species of special concern? ☐ Yes ☑ No

If Yes:

i. Species and listing: _____

_____

q. Is the project site or adjoining area currently used for hunting, trapping, fishing or shell fishing? ☐ Yes ☑ No

If yes, give a brief description of how the proposed action may affect that use: _____

_____

E.3. Designated Public Resources On or Near Project Site

a. Is the project site, or any portion of it, located in a designated agricultural district certified pursuant to Agriculture and Markets Law, Article 25-AA, Section 303 and 304? ☐ Yes ☑ No

If Yes, provide county plus district name/number: _____

b. Are agricultural lands consisting of highly productive soils present? ☐ Yes ☑ No

i. If Yes: acreage(s) on project site? _____

ii. Source(s) of soil rating(s): _____

c. Does the project site contain all or part of, or is it substantially contiguous to, a registered National Natural Landmark? ☐ Yes ☑ No

If Yes:

i. Nature of the natural landmark: ☐ Biological Community ☐ Geological Feature

ii. Provide brief description of landmark, including values behind designation and approximate size/extent: _____

_____

_____

d. Is the project site located in or does it adjoin a state listed Critical Environmental Area? ☐ Yes ☑ No

If Yes:

i. CEA name: _____

ii. Basis for designation: _____

iii. Designating agency and date: _____

e. Does the project site contain, or is it substantially contiguous to, a building, archaeological site, or district which is listed on the National or State Register of Historic Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places? ☑ Yes ☐ No

If Yes:

i. Nature of historic/archaeological resource: ☐ Archaeological Site ☐ Historic Building or District

ii. Name: Horace Mann Hall, Barnard Hall, Riverside Park and Drive, Pupin Physics Laboratories, Columbia University, Union Theological Seminary, Riverside Church,

iii. Brief description of attributes on which listing is based: Brooks and Hewitt Halls, Milbank, Brinckerhoff, and Fiske Halls, Students' Hall, Earl Hall

f. Is the project site, or any portion of it, located in or adjacent to an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory? ☐ Yes ☑ No

g. Have additional archaeological or historic site(s) or resources been identified on the project site? ☐ Yes ☑ No

If Yes:

i. Describe possible resource(s): _____

ii. Basis for identification: _____

h. Is the project site within fives miles of any officially designated and publicly accessible federal, state, or local scenic or aesthetic resource? ☐ Yes ☑ No

If Yes:

i. Identify resource: _____

ii. Nature of, or basis for, designation (e.g., established highway overlook, state or local park, state historic trail or scenic byway, etc.): _____

iii. Distance between project and resource: _____ miles.

i. Is the project site located within a designated river corridor under the Wild, Scenic and Recreational Rivers Program 6 NYCRR 666? ☐ Yes ☑ No

If Yes:

i. Identify the name of the river and its designation: _____

ii. Is the activity consistent with development restrictions contained in 6NYCRR Part 666? ☐ Yes ☐ No

F. Additional Information

Attach any additional information which may be needed to clarify your project.

If you have identified any adverse impacts which could be associated with your proposal, please describe those impacts plus any measures which you propose to avoid or minimize them.

G. Verification

I certify that the information provided is true to the best of my knowledge.

Applicant/Sponsor Name June Ng Date 1/7/2025

Signature _____ Title Executive Director of Capital Projects

PRINT FORM

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Figures

Attachments

1. Introduction

This Full Environmental Assessment Form ("FEAF") Supplemental Report is issued pursuant to the State Environmental Quality Review Act ("SEQRA"), codified at Article 8 of the New York Environmental Conservation Law ("ECL"), and its implementing regulations, promulgated at Part 617 of Title 6 of the New York Codes, Rules and Regulations ("N.Y.C.R.R."), which collectively contain the requirements for the State Environmental Quality Review ("SEQR") process. The environmental review of the Proposed Project follows SEQR, and the *New York City Environmental Quality Review ("CEQR") Technical Manual (December 2021 Edition)* generally is used as a guide with respect to environmental analysis methodologies and criteria for evaluating the Proposed Project's potential effects on the environment since the Proposed Project is located within New York City.

1.1 Project Location

For purposes of this SEQR, the Project Location is defined as the "Project Site" and the "Development Site," as follows:

Project Site

The "Project Site" is the Barnard College campus, located at 3009 Broadway, New York. The Project Site is identified by the Borough-Block-Lot (BBL) of Manhattan (Borough 1), Block 1989, Lot 1 and is approximately 4.36 acres.

Development Site

The "Development Site" is the specific location where construction activities would occur. The Development Site is located at the existing Altschul Hall area and is comprised of 0.27 acres.

1.2 Project Description and Proposed Action

Proposed Action

The Dormitory Authority of the State of New York ("DASNY") has received a funding request from Barnard College for the Roy and Diana Vagelos Science Center ("Proposed Action"). For purposes of SEQRA, the Proposed Action would involve DASNY's authorization of the issuance of bonds on behalf of the University, pursuant to DASNY's Independent Colleges and Universities Program.

Proposed Project

The Proposed Project includes the renovation of and addition to the existing Altschul Hall science building located at 46 Claremont Avenue (3019 Broadway) at the Morning Side Heights Barnard College Campus (Barnard) in Manhattan. The first levels of the project also provide an opportunity to create an interior link among four of the college's buildings: Millstein, Altschul, Diana and Milbank Halls. Currently this circulation happens mostly below grade, in tight corridors with little access to natural light. The design for the 2nd floor portion of the project proposes a glazed volume along the east (campus) side of Altschul Hall, accommodating circulation as well as Science Commons spaces. This volume is angled as it approaches the northeast corner of Altschul Hall, creating a greater feeling of openness in the adjacent exterior spaces as well as a stronger visual connection to the Milbank Hall courtyard. At the northeast corner of the science commons, an open architectural stair forms a connection between level 2 and level 1 of the project and mediates the grade changes within the campus; this stair terminates in a new glazed atrium space, which occupies the space between Milbank and Altschul Halls and provides a new gateway to the campus as well

as entry to these two buildings and a Community Science Classroom. In addition to these elements at the lower levels, the project features a full renovation of Altschul Hall, which would increase laboratory space and provide high facilities. The Proposed Project would result in an incremental increase of 17,500 gross square feet (gsf) as compared to existing conditions (no-action condition).

The following figures are included for reference:

- Figure 1 – Project Location;
- Figure 2 – 400 Foot Radius from Project; and
- Figure 3 – Community Map.

1.3 Project Purpose and Need

The Roy & Diana Vagelos Science Center (RDSC) is intended to support, enhance and celebrate research and teaching in the sciences at Barnard. Integral to this approach is a broader intent to foster a sense of community among disciplines both within and outside of the sciences, and to engage the community surrounding Barnard.

The RDSC is primarily focused on the renovation of Altschul Hall, with additions made to expand the capacity of the building and link it to the surrounding campus. The relative opacity of Altschul Hall, as well as some of its context, has inspired a design approach that seeks to open up the building to the campus with a sense of visual lightness and transparency – in effect creating a conceptual 'window' into the sciences at Barnard. This approach is particularly expressed at the lower levels, which would provide a student-oriented 'Science Commons' and a new gateway to the campus that can serve as an intersecting point for local community groups to engage in educational STEAM programs with Barnard students and faculty. The first levels of the project also provide an opportunity to create an interior link among four of the college's buildings: Millstein, Altschul, Diana and Milbank Halls. Currently this circulation happens mostly below grade, in tight corridors with little access to natural light.

The design for the 2nd floor portion of the project proposes a glazed volume along the east (campus) side of Altschul Hall, accommodating circulation as well as Science Commons spaces. This volume is angled as it approaches the northeast corner of Altschul Hall, creating a greater feeling of openness in the adjacent exterior spaces as well as a stronger visual connection to the Milbank Hall courtyard. At the northeast corner of the science commons, an open architectural stair forms a connection between level 2 and level 1 of the project and mediates the grade changes within the campus; this stair terminates in a new glazed atrium space which occupies the space between Milbank and Altschul Halls and provides a new gateway to the campus as well as entry to these two buildings and a Community Science Classroom. Barnard is clear that this connection is essential to the project's goals of connectivity and for the functioning of the academic spaces in Milbank and Altschul Halls.

The atrium is intended to be a simple, transparent volume that would not visually overpower the historic Milbank Hall façade, and within the atrium this façade is celebrated, becoming a feature of the interior space. The interface with Milbank Hall is designed to work with the position of existing windows and ornamentation, and the new design would also need to incorporate a rated fire wall in order to provide code required fire separation. In addition to these elements at the lower levels, the project features a full renovation of Altschul Hall, which would increase laboratory space and provide high quality facilities that address the constraints of the existing science research and teaching facilities. When completed, this would greatly expand the existing research space within Altschul Hall, providing adaptable research laboratories

for today's research needs and the ability to meet future program requirements without significant renovation.

A new 14-story glazed addition is proposed to the north of the existing building, above the science commons and atrium spaces; this volume would house primarily faculty offices and seminar rooms. The Proposed Project would also renew infrastructure to provide safe, reliable, and efficient systems to support the needs of research and teaching today and for future generations of scientists and students and would enable Altschul Hall to significantly reduce its carbon footprint over time, not just allowing compliance with Local Law 97, but providing an exemplar building that embraces and represents Barnard's commitment to the environment.

The goals of the project are highly impactful for the future of the Sciences at Barnard. Key drivers for the project include:

- Increase laboratory space and provide quality facilities that address the constraints of the existing science research and teaching facilities. Provide adaptable research laboratories for today's research needs and the ability to meet future program requirements without significant renovation.
- Renew infrastructure to provide safe, reliable, and efficient systems to support the needs of research and teaching today and for future generations of scientists and students.
- Enable Barnard to significantly reduce its carbon footprint over time, not just through compliance with Local Law 97, but providing an exemplar building that embraces and represents Barnard's commitment to the environment.
- Provide a Science Commons that would serve as the "heart" of the Science Community at Barnard. The Commons would be the face of the Science at Barnard, bringing together the College and the neighboring community in new ways.
- Create space for the newly formed Neuroscience Department, providing contiguous laboratory, human research subject and instructional spaces for this rapidly growing group.
- Provide new laboratories, offices and supporting space to accommodate projected faculty growth.
- Provide a state-of-the-art Vivarium to support animal model use across the Barnard Science Departments. Ultimately, the Roy & Diana Vagelos Science Center is intended to represent the highest aspirations of Barnard's institutional mission, inspire current and future students and faculty, and to help express the College's prominent role as a leader in the city's research and educational environment.

The Future without the Proposed Action

In the absence of the Proposed Action, it is assumed that no reuse or redevelopment would occur on the Project Site or in the surrounding 400-foot project study area by the project build year of 2025. Based on a review of the NYC Department of City Planning (DCP) website, no changes to the zoning of the Project Site or the 400-foot radius project study area are anticipated to occur by the project build year.

The Future with the Proposed Action

In the future with the Proposed Action, development would be completed. The zoning and allowable uses of the property would remain R8 Medium Residence District. The proposed future use of the Project Site is consistent with the current R8 Medium Residence District zoning designation allowing commercial, community facility, residential, and office building uses.

Potential Environmental Impacts

This FEAF Supplemental Report provides information and analysis to supplement Part 1 of the FEAF for the Proposed Project and is organized to address the criteria for determining whether a proposed action may have a significant adverse impact on the environment, as set forth in 6 N.Y.C.R.R. Part 617.7(c)(1). The environmental review of the Proposed Project follows SEQR, and the *CEQR Technical Manual December 2021 Edition* generally is used as a guide with respect to environmental analysis methodologies and impact criteria for evaluating the Proposed Project in this Supplemental Report, unless stated otherwise.

2. Land Use, Zoning and Public Policy

Introduction

This section considers the potential for the Proposed Project to result in significant adverse impacts to land use, zoning, and public policy. Under the guidelines of the *CEQR Technical Manual December 2021 Edition*, this analysis evaluates the uses in the area that may be affected by the Proposed Project and determines whether the Proposed Project is compatible with those conditions or may otherwise affect them. The analysis also considers the Proposed Project's compatibility with zoning regulations and other public policies applicable to the area.

This analysis of land use, zoning, and public policy follows the guidelines set forth in the *CEQR Technical Manual December 2021 Edition* for a preliminary assessment (Chapter 4, Section 320). According to the *CEQR Technical Manual December 2021 Edition*, a preliminary Land Use and Zoning assessment:

- Describes existing and future land uses and zoning information, and describes any changes in zoning that could cause changes in land use;
- Characterizes the land use development trends in the area surrounding the Project Site that might be affected by the proposed action; and
- Determines whether the Proposed Project is compatible with those trends or may alter them.

The following assessment method was used to determine the potential for the Proposed Project to result in significant adverse impacts on Land Use, Zoning, and Public Policy:

1. Establish a "study area," a geographic area surrounding the Project Site to determine how the Proposed Project may affect the immediate surrounding area. For this assessment, a study area of 400 feet surrounding the Project Site was used.
2. Identify data sources, including public policies (formal plans, published reports) to be used to describe the existing and No-Action conditions related to Land Use, Zoning, and/or Public Policy.
3. Assess the Proposed Project's potential effects on Land Use, Zoning and Public Policy to determine whether the Proposed Project is consistent with or conflicts with area Land Use, Zoning, or the identified policies.
    - If a Proposed Project could conflict with the identified policies, a detailed assessment would be conducted; or
    - If the Proposed Project is found to not conflict with the identified policies, no further assessment is needed.

Land Use

Project Site

The proposed future use of the Project Site is consistent with the current R8 Medium Residence District (NYC) zoning designation which allows commercial, community facility, residential, and office building uses. The Development Site consists of an approximately 0.27-acre portion of the existing Barnard College Campus (Block 1989, Lot 1). The Development Site is a portion of the Project Site, which is categorized as Use Group 3, Community Facilities (schools, colleges/universities, etc.) under the New York City. The Development Site represents approximately 6% of the overall campus (or Project Site), which is 4.36 acres in total.

The Study Area is defined by a 400-foot radius from the Project Site and contains mostly residential uses and a few other uses such as public facilities and institutions to the west, and commercial and mixed use buildings to the north. The Proposed Project is located near Riverside Park, Sheltering Arms Playground, Sakura Park, Morningside Park, Old Croton Aqueduct Gatehouse, and Playground One Twenty-Five.

The Development Site is located on the Barnard campus, as such land uses surrounding the Development Site consist entirely of university facilities, and include academic buildings, residence halls, open space and other university-related uses.

As the new use would be consistent with surrounding land uses and would further Barnard's goal of providing state-of-the-art facilities and expanded learning opportunities for its students, the Proposed Project would not result in any potentially significant adverse impacts on land use.

Zoning

The entirety of the Project Site is mapped within the R8 Medium Residence District zoning (General Residence District). In addition to residential uses, the R8 district allows for Community Facility uses, such as Barnard and the new R&D Center. The Proposed Project would be built as-of-right under the existing zoning district. Zoning maps are including in Attachment A.

The Proposed Project complies with all use and bulk provisions of the R8 district for community facility uses. No zoning changes or other discretionary land use actions are necessary to approve the construction of the proposed facility. Therefore, a zoning assessment is not required.

Public Policy

OneNYC

OneNYC is the NYC's sustainability plan. It is a development policy document designed to address the NYC's long-term challenges, including a projected population of 9 million residents by 2040, changing climate conditions, an evolving economy, and aging infrastructure. OneNYC was released in 2015 to address New York City's long-term challenges previously identified in PlaNYC, the City's previous long-term plan. OneNYC builds upon PlaNYC and focuses on four guiding principles: growth, equity, sustainability, and resiliency.

The Proposed Project is aligned with sustainability principles included in OneNYC. The proposed building is designed to accommodate an evolving series of campus and NYC sustainability initiatives and focuses on energy-saving and carbon reduction strategies. Many sustainability features are anticipated to be integrated within the design of the Proposed Project, and in particular: geothermal heating and cooling, daylighting and natural ventilation, photovoltaic panels, green roofs, and advanced storm water strategies.

State Smart Growth Public Infrastructure Policy Act

New York State enacted the State Smart Growth Public Infrastructure Policy Act ("SGPIPA") in 2010, intended to minimize unnecessary cost of sprawl development facilitated by the funding or development of new or expanded transportation, sewer and wastewater treatment, water, education, housing and other publicly supported infrastructure inconsistent with smart growth public infrastructure criteria. This law requires state infrastructure agencies, such as DASNY, to ensure public infrastructure projects undergo a consistency evaluation and attestation using the smart growth criteria established by the legislation. To the extent practicable, projects must align with the smart growth criteria established by the legislation.

Overall, the Proposed Project would be consistent with the relevant public policy initiatives that apply to the Project Site and no significant adverse impacts are identified. Therefore, no further analysis is required.

3. Socioeconomic Conditions

Introduction

The socioeconomic character of an area includes its population, housing, and economic activity. According to the *CEQR Technical Manual December 2021 Edition*, a socioeconomic assessment should be conducted if a project may reasonably be expected to create substantial socioeconomic changes within the area affected by the project that would not occur in the absence of the project. Projects that would result in the following conditions would trigger a CEQR/SEQRA analysis of socioeconomic conditions:

- Direct displacement of a residential population so that the socioeconomic profile of the neighborhood would be substantially altered. Displacement of less than 500 residents would not typically be expected to affect socioeconomic conditions in a neighborhood.
- Direct displacement of more than 100 employees; or the direct displacement of a business or institution that is unusually important as follows: it has a critical social or economic role in the community, it would have unusual difficulty in relocating successfully, it is of a type or in a location that makes it the subject of other regulations or publicly adopted plans aimed at its preservation, it serves a population uniquely dependent on its services in its present location, or it is particularly important to neighborhood character.
- Introduction of substantial new development that is markedly different from existing uses, development, and activities within the neighborhood. Such a project could lead to indirect displacement. Residential development of 200 units or fewer or commercial development of 200,000 square feet or less would typically not result in significant socioeconomic impacts.
- Projects that are expected to affect conditions within a specific industry, such as a citywide regulatory change that could adversely impact the economic and operational conditions of certain types of businesses.

Assessment

The Proposed Project would involve the construction of a new, approximately 19,300 gsf, modified space containing educational facilities. The Proposed Project would not introduce or displace any residents, nor would it displace employees or a business or institution. The Proposed Project would be consistent with and would contribute to the existing institutional uses that are already present on the Project Site. Therefore, the Proposed Project does not meet the threshold for further analysis and would not result in any significant adverse impacts on socioeconomic conditions.

4. Community Facilities and Services

Introduction

The *CEQR Technical Manual December 2021 Edition* defines community facilities as public or publicly funded schools, hospitals, libraries, child-care centers, health care facilities, and fire and police protection services. The *CEQR Technical Manual December 2021 Edition* states that a community facilities assessment is appropriate if a project would have a direct effect on a community facility; or if it would have an indirect effect by introducing new populations that would overburden existing facilities.

Assessment

Direct Effects

The Proposed Project would not directly eliminate, displace, or alter any publicly funded community facilities, including public schools, libraries, health care facilities, day care centers, or police or fire stations. Therefore, an assessment of direct effects on these services is not required.

Although the renovation of Altschul Hall would represent a direct effect to that facility and the campus, this physical change would not adversely affect the service delivery of the facility. Barnard plans to relocate the existing offices and student work space to available space elsewhere on the campus, and there would be no disruption to these functions because of the Proposed Project. Therefore, no further analysis of direct effects on community facilities and services is required.

Indirect Effects

According to the *CEQR Technical Manual December 2021 Edition*, an increase in residential population as a result of a Proposed Project could potentially result in an increase in the demand for existing services, which may result in an "indirect" effect on community facilities' services. Depending on the size, income characteristics, and age distribution of the new population, there may be impacts on public schools, libraries, or childcare centers. The community facility thresholds above which a detailed analysis would be required as set forth in Table 6-1 of the *CEQR Technical Manual* only apply to projects with a residential component; therefore, the Proposed Project does not meet or exceed the threshold for further analysis.

Therefore, no significant changes in the student population is expected and the Proposed Project would not result in a significant indirect effects community facilities impact. No further analysis is necessary.

5. Open Space

Introduction

The *CEQR Technical Manual December 2021 Edition* requires an analysis of potential impacts on open space when a project would have a direct effect on open space, or when it would have an indirect effect by generating: more than 50 residents or 125 nonresidents in an area identified as underserved for open space resources; more than 350 residents or 750 nonresidents in an area identified as well-served; or more than 200 residents or 500 nonresidents in an area not identified as either underserved or well-served by open space resources.

Assessment

Direct Effects

According to the *CEQR Technical Manual December 2021 Edition*, a Proposed Project could result in direct effects on open space if the project would encroach upon, limit public access to, or cause a loss of, public open space.

The Proposed Project would be constructed on a previously-disturbed site that currently contains a college building. The proposed building footprint and bulk would be similar to the existing building, and no construction would occur on public open space.

Indirect Effects

The Proposed Project is located in an area that is identified as underserved per the *CEQR Technical Manual December 2021 Edition* definition. No significant changes in the student population is expected as a result of the Proposed Project. In addition, no new residents would be added as a result of the Proposed Project. Therefore, the Proposed Project is under the threshold requiring further assessment.

Barnard offers ample open space on campus for its student and worker populations. Public open spaces in the vicinity of the Project Site also include Riverside Bird Sanctuary Park and Morningside Park.

The Proposed Project would not result in a change in population that would have an indirect effect on open space. Therefore, the Proposed Project would not have the potential to result in significant adverse impacts to open space, and no further analysis is warranted.

6. Shadows

A shadows analysis is warranted if a project would either: a) result in new structures (or additions to existing structures including the addition of rooftop mechanical equipment) of 50 feet or more, or b) be located adjacent to, or across the street from, a sunlight-sensitive resource. Sunlight-sensitive resources as defined in the CEQR Technical Manual December 2021 Edition include publicly accessible open spaces, sunlight-dependent features of historic architectural resources, and sunlight-sensitive natural resources. Shadows can also have impacts on historic resources whose features are sunlight-sensitive, such as stained-glass windows, by obscuring the features or details which make the resources significant.

Assessment

The renovations to Altschul Hall would include the addition of a mechanical penthouse that would add 10 feet of height to the existing building. The project also includes an addition to the north side of Altschul Hall. The addition is lower in total height than the main building. As stated in the CEQR Technical Manual Chapter 8, if a project would result in an addition to an existing structure of 50 feet or more, then a shadow assessment would be appropriate.

A shadows analysis has not been performed for the Proposed Project, as the proposed renovation would not result in an addition to an existing structure of 50 feet or more.

7. Historic and Cultural Resources

Introduction

According to the *CEQR Technical Manual December 2021 Edition*, an assessment of architectural and archaeological resources is typically required for any project involving new construction, demolition, or any ground disturbance. Historic resources include both archaeological and architectural resources.

Historic resources are defined as districts, buildings, structures, sites, and objects of historical, aesthetic, cultural, or archaeological importance. This includes designated New York City Landmarks ("NYCL"); properties calendared for consideration as landmarks by the New York City Landmarks Preservation Commission ("LPC"); properties listed on the State/National Register of Historic Places ("S/NR") or contained within a district listed on or formally determined eligible for S/NR listing; properties recommended by the New York State Board for listing on the S/NR; National Historic Landmarks ("NHL"); and properties not identified by one of the programs listed above, but that meet their eligibility requirements.

Archaeological resources are usually assessed for projects that would result in any in-ground disturbance. In-ground disturbance is any disturbance to an area not previously excavated, including new excavation that is deeper and/or wider than previous excavation on the same site.

The Proposed Project is being reviewed in conformance with the New York State Historic Preservation Act of 1980, specifically the implementing regulations of Section 14.09 of the Parks, Recreation and Historic Preservation Law, as well as the requirements of the Memorandum of Understanding, dated March 18, 1998, between DASNY and the New York State Office of Parks, Recreation and Historic Preservation ("OPRHP").

Assessment

Archaeological Resources

The study area for archaeological resources includes the Development Site, where disturbance from excavation and construction would occur. According to the State Historic Preservation Office ("SHPO") Cultural Resource Information System ("CRIS") database, the Development Site is not in a designated Archeologically Sensitive Area. No significant adverse impacts to archaeological resources are expected.

Architectural Resources

Altschul Hall has been determined by SHPO to be not eligible for listing in the State and National Registers of Historic Places. Milbank Hall is listed in the State and National Registers of Historic Places.

SHPO has reviewed the Proposed Project and concluded that the proposed work will have No Adverse Impact on historic resources (June 29, 2023, see Attachment B).

8. Urban Design and Visual Resources

Introduction

Urban design is defined as the totality of components that may affect a pedestrian's experience of public space. These components include streets, buildings, visual resources, open spaces, natural resources, and wind. According to the *CEQR Technical Manual December 2021 Edition*, a preliminary assessment of urban design and visual resources is appropriate when there is the potential for a pedestrian to observe, from the street level, a physical alteration beyond that allowed by existing zoning. Examples include projects that permit the modification of yard, height, and setback requirements, and projects that result in an increase in built floor area beyond what would be allowed "as-of-right" or in the future without the Proposed Project.

Assessment

The renovation expansion of the Altschul Hall building would comply with all applicable underlying R8 zoning district regulations and would not create a need for additionally zoning waivers, or impact any of the findings upon which the NYC Board of Standards and Appeals issued its have existing BSA approvals. Additionally, Barnard proposes to construct a new mechanical penthouse atop the Altschul Hall building that would serve both the Altschul Hall existing building and the proposed expansion. Barnard notes that the mechanical penthouse would be designed as a permitted obstruction that does not constitute floor area, does not create any non-compliance with applicable zoning regulations, and does not increase the waivers granted pursuant to the existing special permit.

Because no zoning changes are needed nor proposed, no further analysis is warranted. The Proposed Project would therefore not result in significant adverse impacts to urban design and visual resources.

9. Natural Resources

Introduction

A natural resources assessment is conducted when a natural resource is present on or near a development site, and disturbance of that resource is caused by the project. The *CEQR Technical Manual December 2021 Edition* defines natural resources as NYC's biodiversity (plants, wildlife and other organisms); any aquatic or terrestrial areas capable of providing suitable habitat to sustain the life processes of plants, wildlife, and other organisms; and any areas capable of functioning in support of the ecological systems that maintain NYC's environmental stability.

Assessment

The Proposed Project would involve the renovation and expansion of Altschul Hall building upon the 0.27 acre Development Site, which already contains a building, a one-story hallway (connector) between buildings, brick pathway, and landscaping. Therefore, the Development Site has been previously disturbed.

According to the New York State Department of Environmental Conservation ("NYSDEC") Environmental Resources Mapper, the Project Site is not within or adjacent to any designated State-regulated freshwater wetlands or significant natural communities. No natural resources would be impacted and; therefore, no further analysis is warranted.

10. Hazardous Materials

Introduction

The purpose of this section is to determine whether a proposed action may increase the exposure of people or the environment to hazardous materials, and, if so, whether this increased exposure would result in potential significant public health or environmental impacts. As described in the *CEQR Technical Manual December 2021 Edition*, a hazardous material is any substance that poses a threat to human health or the environment. Substances that can be of concern include, but are not limited to, heavy metals, volatile and semi-volatile organic compounds ("VOCs" and "SVOCs"), methane, polychlorinated biphenyls ("PCBs"), and hazardous wastes that are by defined test methods chemically reactive, ignitable, corrosive or toxic.

The potential for significant impacts from hazardous materials can occur when hazardous materials exist on a site and an action would increase pathways to their exposure to humans and the environment, or an action would introduce new activities or processes using hazardous materials.

Assessment

An ASTM International Standard Practice E1527-13 (Standard Practice for Environmental Site Assessments: Phase I Environmental Site Assessment (ESA) Process dates December 13, 2022 was completed by Barnard for the project area (Subject Property). A review of historical sources, including historical aerial photographs, historical topographic maps, and a City Directory Abstract, indicate that the Subject Property consisted of the northern sidewalk of West 119th Street directly south of Millbank Hall, a building owned by Barnard College, as early as 1902. By 1954, the portion of West 119th Street to the south of Millbank Hall was converted into a courtyard belonging to Barnard College. By 1976, the Subject Property was bounded to the south by Altschul Hall, a student center and science building belonging to Barnard College. The Subject Property currently consists of a brick pathway between Altschul Hall and Millbank Hall, with a small, one-story hallway connecting the two buildings in the central portion of the Subject Property. The Subject Property currently consists of a brick pathway between Altschul Hall and Millbank Hall, with a small, one-story hallway connecting the two buildings in the central portion of the Subject Property. A small security booth is present in the southwestern corner of the Subject Property along the eastern sidewalk of Claremont Avenue. The layout of the Subject Property and surrounding areas was confirmed during the August 2022 reconnaissance.

Based on the information gathered during the Phase I ESA process, Roux has identified the following Recognized Environmental Conditions (REC) in connection with the Subject Property:

- **Open Spill Case:** NYSDEC Spill Case Number 9004604 is located on Columbia University at 530 West 120th Street, New York, New York. The spill case is currently open and is associated with two consent orders (R2-20010116-14 and R2-2348-89-03) between the NYSDEC and Columbia University regarding groundwater contamination resulting from the abandonment of five USTs containing #6 fuel oil. The consent orders stipulate the installation, operation, and management of an oil recovery and groundwater monitoring system. According to the latest site status report dated September 2021, remedial action at the property includes vacuum truck removal of free product at one well, application of bioremediation product in one upgradient well, and the use of absorbent socks in five wells. Because of the presence of groundwater contamination at the property confirmed groundwater flow towards the northwest, and regulatory status of the spill (open), this facility has the potential to negatively impact the environmental quality of the Subject Property and is considered a REC.

Roux has not identified any Controlled Recognized Environmental Conditions (CRECs), Historical Recognized Environmental Conditions or de minimis RECs in connection with the Subject Property.

The Proposed Project does include teaching labs that would generate biological waste, including small amounts of flammable and hazardous waste, and sharp object disposal for nursing education. A hazardous waste room would be located within the building and all materials would be handled and disposed of in accordance with prevailing regulations. Further, regulated biological waste would be disposed at an authorized solid waste management facility in accordance with applicable State regulations.

Prior to executing any demolition activity within the Development Site, any potential for asbestos and lead-based paint would be accounted for, and appropriate remediation techniques would be followed if such environmental hazard is suspected.

Based on this information, no further analysis is required, and the Proposed Project would not result in any potentially significant adverse impacts related to hazardous materials.

11. Water and Sewer Infrastructure

Introduction

A *CEQR Technical Manual December 2021 Edition* water and sewer infrastructure assessment analyzes whether a project may adversely affect the city's water distribution or sewer system and, if so, assess the effects of such projects to determine whether their impact is significant, and present potential mitigation strategies and alternatives. According to the *CEQR Technical Manual December 2021 Edition*, only projects that increase density or change drainage conditions on a large site require a water and sewer infrastructure analysis.

A water supply assessment would be warranted for projects with an exceptionally large demand for water (over 1 million gallons per day ["gpd"]) or for projects located in an area that experiences low water pressure (such as Coney Island and the Rockaway Peninsula). In addition, a wastewater and stormwater conveyance and treatment analysis would be necessary if the project:

- Is located in a combined sewer area and would result in over 1,000 residential units or 250,000 square feet (sf) of commercial/institutional use in Manhattan, or 400 residential units or 150,000 sf of commercial/institutional use in all other boroughs;
- Is located in a separately sewered area and would exceed: 25 residential units or 50,000 sf of commercial/institutional use in R1, R2, or R3 districts; 50 residential units or 100,000 sf of commercial/institutional use in R4 or R5 districts; 100 residential units or 100,000 sf of commercial/institutional use in all other zoning districts;
- Is located in an area that is partially sewered or currently unsewered;
- Involves development on a site 5-acres or larger where the amount of impervious surface would increase;
- Would involve development on a site 1 acre or larger where the amount of impervious surface would increase and is located in the Jamaica Bay watershed or specific drainage areas (Bronx River, Coney Island Creek, Flushing Bay and Creek, Gowanus Canal, Hutchison River, Newtown Creek, Westchester Creek); or
- Would involve construction of a new stormwater outfall that requires federal and/or state permits.

Assessment

The Proposed Project consists of an approximately 87,000 gsf R&D Science Center, located on a Development Site of approximately 0.27 acres within the heart of the Campus. The Project Site is located in a combined sewer area in Manhattan.

Based on the anticipated occupancy load, it is estimated that total water demand of the new building would be roughly 250,000 gpd. Further, the building currently occupying the Development Site has been used for university-related services. The Proposed Project uses would generate 198,750 gpd of waste water.

As the Proposed Project would not exceed the CEQR thresholds described above for these reasons, no further analysis is required, and the Proposed Project would not result in any potentially significant adverse impacts on water and sewer infrastructure.

12. Solid Waste and Sanitation Services

Introduction

A solid waste assessment determines whether a project has the potential to cause a substantial increase in solid waste production that may overburden available waste management capacity or otherwise be inconsistent with the city's Solid Waste Management Plan ("SWMP" or "Plan") or with state policy related to the city's integrated solid waste management system.

Assessment

As the Proposed Project would not result in additional student population, it is not expected to generate a substantial amount of solid waste as defined in the *CEQR Technical Manual December 2021 Edition*. The Proposed Project would not feature any residential use but mostly College uses and some Office uses.

By using Table 14-1 of the *CEQR Technical Manual December 2021 Edition*, the estimated total sanitary sewer generation was calculated, resulting in less solid waste generation than existing conditions (-2,526 lbs/week). Therefore, the Proposed Project would not affect the City's capacity to handle solid waste, and no further analysis is warranted.

13. Energy

Introduction

As described in the *CEQR Technical Manual December 2021 Edition*, all new structures requiring heating and cooling are subject to the New York City Energy Conservation Code. Therefore, the need for a detailed assessment of energy impacts would be limited to projects that may significantly affect the transmission or generation of energy. However, a project's operational energy consumption is often calculated.

Assessment

It is expected that the Proposed Project, when operational, would consume approximately 48,872,500 Thousand British Thermal Units ("MBtu") per year. This energy consumption estimate was calculated by using the average energy consumption in NYC for institutional building type as provided by Table 15-1 of the *CEQR Technical Manual December 2021 Edition*. This estimate would not be considered a significant demand for energy.

Further, the new R&D Science Center would incorporate high performance sustainable design strategies to reduce the total energy consumption associated with the renovated building on the campus to help Barnard's campus as a whole to meet NYC's greenhouse gases standards.

Based on this information, no further analysis is required, and the Proposed Project would not result in any potentially significant adverse impacts related to the consumption or supply of energy.

14. Transportation

Introduction

The objective of a transportation analysis is to determine whether a Proposed Project may have a potentially significant adverse impacts on traffic operations and mobility; public transportation facilities and services; pedestrian elements and flow; safety of roadway users (pedestrians, bicyclists, and vehicles); and on- and off-street parking or goods movement.

Per *CEQR Technical Manual* guidelines December 2021 Edition, detailed transportation analyses are warranted when an action would result in a project generating incremental trips that exceed the screening thresholds of 50 vehicle trips, 200 subway trips, 200 bus trips or 200 pedestrian trips.

Assessment

The Proposed Project is an as-of-right development that would renovate an existing university building. More specifically, the proposed, approximately 87,000 gsf R&D Science Center would enhance the existing building that currently occupies the Development Site. The Proposed Project would not result in a significant increase in the student and worker populations.

Because there would not be an increase in the student population and only a slight increase in the worker population, the Proposed Project would generate similar vehicle, subway and bus transit, and pedestrian trips. Therefore, a transportation analysis is not warranted, and the Proposed Project would not result in any significant adverse transportation impacts.

15. Air Quality

Introduction

This section examines the potential for air quality impacts from the Proposed Project. According to the *CEQR Technical Manual December 2021 Edition*, air quality impacts can be characterized as either direct or indirect impacts. Direct impacts result from emissions generated by stationary sources, such as stack emissions from on-site fuel burned for boilers and HVAC systems. Indirect effects are caused by off-site emissions associated with a project, such as emissions from on-road motor vehicles ("mobile sources") traveling to and from a development site. An air quality assessment should be carried out for actions that can result in either significant adverse mobile source or stationary source air quality effects.

Assessment

Mobile Sources

Under guidelines contained in the *CEQR Technical Manual December 2021 Edition,* and in this area of New York City, projects generating fewer than 170 additional vehicle trips in any given hour are considered as unlikely to result in significant mobile source impacts, and do not warrant detailed mobile source air quality analyses. Therefore, no detailed air quality mobile source analysis would be required for the Proposed Action per the *CEQR Technical Manual December 2021 Edition* as the Proposed Action would not result in a net increase of more than 170 vehicle trips in a given peak hour (see Section 13.0 Transportation above).

Moreover, the Proposed Project: (i) is not within 200 feet of an atypical source of vehicular pollutants, such as an elevated highway or a bridge; (ii) is not adjacent to a large parking facility or parking garage with exhaust vents; (iii) does not involve construction of a new parking facility; and (iv) would not result in a sizable number of other mobile sources of pollution. Therefore, no significant mobile source air quality impacts would be generated by the Proposed Action and a mobile source air quality analysis is not required.

Stationary Sources

A stationary source air quality analysis would be warranted if a Proposed Project would:

- create new stationary sources of pollutants – such as emission stacks for industrial plants, hospitals, or other large institutions, or a building's boilers – that may affect surrounding uses;
- introduce certain new uses near existing or planning emissions stacks that may affect the use; or
- introduce structures near such stacks so that changes in the dispersion of emissions from the stacks may affect surrounding uses.

The Proposed Project was evaluated for potential adverse air quality effects from stationary sources, and in particular the potential emissions from Heating, Ventilating, and Air Conditioning ("HVAC") systems.

The Proposed Project would feature natural gas as the heating energy source and electric for the cooling systems energy source.

A screening analysis was performed using the methodology described in Chapter 15 of the *CEQR Technical Manual December 2021 Edition* to assess air quality impacts associated with emissions from the Proposed Project's natural gas- fired heating and hot water system. The *CEQR* screening methodology for HVAC systems determines the threshold of development size below, which there is no potential for significant adverse impact. The screening procedure uses information regarding the type of fuel used, the maximum

development size or estimated emissions, the exhaust stack height, and the distance to the nearest building of similar or greater height to evaluate whether a significant adverse impact is likely. Based on the distance to the nearest building of a similar or greater height, if the maximum development size is greater than the threshold size in the *CEQR Technical Manual December 2021 Edition*, then there is the potential for significant air quality impacts and a refined dispersion modeling analysis would be required. Otherwise, the source passes the screening analysis and no further study is required.

A review of existing structures within 400 feet of the Development Site was conducted through NYC Open Data and NearMap 3D imagery, to determine building height data and measure the distance from the Proposed Project to nearby structures. A building at 470 Riverside Drive was identified as the closest existing building to the Development Site, approximately 110 feet distant to the roofline edge.

The *CEQR Technical Manual December 2021 Edition* nomographic procedure was used to determine the threshold distance between the proposed development and existing building. Because the Proposed Project would be heated by natural gas, The *Air Quality Appendix* was used as follows to determine the potential for significant nitrogen dioxide (i.e., the critical pollutant for natural gas) impacts:

- The size of the Proposed Project (approximately 87,000 gsf) was plotted on the nomograph.
- Use of Figure 17-3 for Air Quality HVAC Screening against the distance to the closest potentially affected building (470 Riverside Drive). (See Attachment C)
- The threshold distance at which a potentially significant impact is likely to occur was estimated to be less than 55 feet and compared to the actual distance between the Development Site and the closest existing taller building, estimated to be 110 feet.
- Because the distance between the proposed development and an existing taller building is greater than the threshold distance indicated on the nomograph, no potentially significant impact is anticipated, and no detailed analysis is required.

It is noted that the above-mentioned screening was conducted assuming the stacks would be located on the north-west portion of the roof of the Proposed Project, which would be the closest point between the renovated building and 470 Riverside Drive. This is a conservative approach, as most likely the Proposed Project's stacks would be located on the interior of the roof, thus farther.

Lastly, no other stationary sources analyses are needed for the Proposed Project, as there are no industrial sources within 400 feet of the Development Site, and no large or major sources within 1,000 feet of the Development Site.

Based on this information and screening analysis, the Proposed Project would not result in any potentially significant adverse air quality impacts.

16. Greenhouse Gas Emissions and Climate Change

Introduction

According to the *CEQR Technical Manual December 2021 Edition*, greenhouse gas emissions ("GHG") assessments are appropriate for projects with the greatest potential to produce GHG emissions that may result in inconsistencies with NYC's GHG reduction goal to a degree considered significant (generally larger projects resulting in the development of 350,000 gsf or greater undergoing an Environmental Impact Statement ["EIS"], or for projects on a case-by-case basis to determine its consistency with NYC's GHG reduction goals) and, correspondingly, have the greatest potential to reduce those emissions through the adoption of project measures and conditions. In addition, actions that fundamentally change NYC's waste management system, such as city capital projects, power generation projects, and promulgation of regulations, may also need to be analyzed.

Assessment

The Proposed Project does not warrant a GHG emissions assessment as it does not meet any of the characteristics described by the *CEQR Technical Manual December 2021 Edition*, and more specifically: (i) would not exceed the 350,000 gsf threshold; (ii) is not a City capital project; (iii) would not introduce new power generation; (iv) would not change NYC's waste management system, and (v) would not affect regulations.

Moreover, the Proposed Project would be designed to accommodate an evolving series of campus and NYC's sustainability initiatives, using many sustainable strategies to save energy and contribute to the carbon reduction efforts for the entire College.

Based on this information, the Proposed Project does not meet the threshold for further assessment, and the Proposed Project would not result in any potentially significant adverse impacts related to greenhouse gas emissions.

17. Noise

Introduction

The goal of this section is to determine both (i) a Proposed Project's potential effects on sensitive noise receptors, including the effects on the level of noise inside residential, commercial, and institutional facilities, and at open spaces, and (ii) the effects of ambient noise levels on new sensitive uses introduced by the Proposed Project.

Assessment

Mobile Source Noise

Since the Proposed Project would not result in an increase in the student population and would not generate sufficient vehicular traffic to exceed the threshold for a detailed transportation analysis based on the proposed as-of-right development, the Proposed Project would not generate sufficient vehicular traffic to have the potential to cause a significant adverse noise effect. In particular, it would not result in a doubling of noise passenger car equivalents ("PCEs"), which would be necessary to cause a 3-dBA increase in noise levels.

Additionally, the Development Site would be farther than 200 feet from a heavily trafficked thoroughfare (approximately 975 feet from West Side Highway), the closest rail activity is the Amtrak/Metro North Station approximately 800 feet to the west, and outside aircraft noise contours for both La Guardia and JFK Airports.

Stationary Source Noise

For a stationary source analysis to be triggered, a Proposed Project must either: (i) cause a substantial stationary source to be operating within 1,500 feet of a receptor, with direct line of sight to that receptor; or (ii) introduce a receptor in an area with high ambient noise levels resulting from stationary sources, such as enclosed manufacturing activities or other loud uses.

Because the Proposed Project would be limited to renovation of a building that is already present on the campus (Project Site), it would not be considered a substantial stationary source operating within 1,500 feet of a receptor and would not introduce a receptor with high ambient noise levels resulting from stationary sources.

Based on the information above, the Proposed Project does not meet the thresholds for further assessment in either mobile or stationary source noise and would not result in any potentially significant adverse impacts resulting from noise.

18. Public Health

Introduction

According to the *CEQR Technical Manual December 2021 Edition*, public health involves the activities that society undertakes to create and maintain conditions in which people can be healthy. Detailed public health analysis is warranted for projects with identified unmitigated adverse impacts in air quality, water quality, hazardous materials, or noise.

Assessment

No significant adverse impacts to air quality, water quality, hazardous materials, or noise were identified as a result of the Proposed Project. No exceedances of federal, state, or city standards would occur as a result of the Proposed Project. Therefore, the Proposed Project would not result in any significant adverse impacts to public health, and no further analysis is warranted.

19. Neighborhood Character

Introduction

As defined in the *CEQR Technical Manual December 2021 Edition*, neighborhood character is considered to be an amalgam of the various elements that define a neighborhood's distinct "personality". These elements may include a neighborhood's land use, socioeconomic conditions, open space, historic and cultural resources, urban design, visual resources, shadows, transportation, and/or noise. An assessment of neighborhood character is generally necessary when a Proposed Project has the potential to result in significant adverse impacts in any of the elements listed above, or when the project may have moderate effects on several of the elements that define a neighborhood's character.

Assessment

The Proposed Project would renovate an existing building that would be used as a new R&D Science Center. The Development Site currently contains a university building, Altschul Hall. Barnard is transforming Altschul Hall into the Roy and Diana Vagelos Science Center, a modern research and teaching facility that would provide community space to engage the broader Morningside Heights and Harlem communities with the sciences. Barnard would reimagine the R&D Sci-Center through a renovation of the existing spaces, an expansion northward, and an interconnection into and onto Milbank Hall. The restacking and expansion of the building would provide additional space for the Biology, Chemistry, Environmental Science, and Physics & Astronomy departments. Lastly, the Proposed Project would be very similar in scale to the existing Altschul Hall building and the other surrounding university buildings.

Based on the information above and in previous sections of this report, the Proposed Project would not result in any adverse impacts to the neighborhood's land uses, socioeconomic conditions, open space, historic and cultural resources, urban design, visual resources, shadows, transportation, or noise. Therefore, the Proposed Project would not result in any significant adverse neighborhood character impacts, and no further analysis is warranted.

20. Construction

According to the *CEQR Technical Manual December 2021 Edition*, construction activities, although temporary, may sometimes result in significant adverse impacts. Construction duration, which is a critical measure to determine a project's potential for adverse effects during construction, is categorized as short-term (less than two years) and long-term (two or more years). Where the duration of construction is expected to be short-term, any adverse effects resulting from the short-term construction generally do not require a detailed assessment. However, there are instances where a potential adverse effect may be of short duration, but nonetheless significant, because it raises specific issues of concern.

The construction activities associated with reconstruction of the ±87,000 gsf academic building would be expected to result in conditions typical of construction sites in NYC. Construction of the proposed building would occur over a period of approximately twenty-four months. Construction of the Proposed Project would be carried out in accordance with NYC laws and regulations, which allow construction activities between 7:00 AM and 6:00 PM on weekdays. If work is required outside of normal construction hours, necessary approvals would be obtained from the appropriate agencies (i.e., the New York City Department of Buildings and New York City Department of Environmental Protection).

Transportation

Construction actions could result in short-term disruption of both traffic and pedestrian movements within the vicinity of the Development Site and would not occur outside of the Project Site. This would occur primarily due to the potential temporary loss of curbside lanes from staging of equipment and the movement of materials to and from the Development Site. Additionally, construction may at times result in closings of sidewalks adjacent at the Development Site. However, these conditions would not result in significant adverse impacts on traffic and transportation conditions given the limited duration of any obstruction and that all impacts will be contained within Barnard College. During construction, standard practices would be followed to ensure safe pedestrian and vehicular access to nearby buildings, streets, and sidewalks. Accordingly, the Proposed Action would not result in significant adverse construction related transportation impacts.

Noise

Noise and vibration from construction equipment operation and noise from construction workers' vehicles and delivery vehicles traveling to and from the construction sites can affect community noise levels. The level of impact of these noise sources depends on the noise characteristics of the equipment and activities involved, the construction schedule, and the location of potentially sensitive noise receptors. Noise associated with construction would be limited to typical construction activities and would be subject to compliance with the New York City Noise Code and by United States Environmental Protection Agency (EPA) noise emission standards for construction equipment. These local and federal requirements mandate that a certain classifications of construction equipment and motor vehicles meet specified noise emissions standards; that, except under exceptional circumstances, construction activities be limited to weekdays between the hours of 7:00 AM and 6:00 PM; and that construction materials be handled and transported in such a manner as not to create unnecessary noise. In addition, whenever possible, appropriate low noise emission level equipment and operational procedures can be utilized to minimize construction noise and its effect on adjacent uses. Construction noise associated with the proposed action is expected to be similar

to noise generated by other construction projects in the area. Accordingly, the proposed action would not result in significant adverse construction related noise impacts.

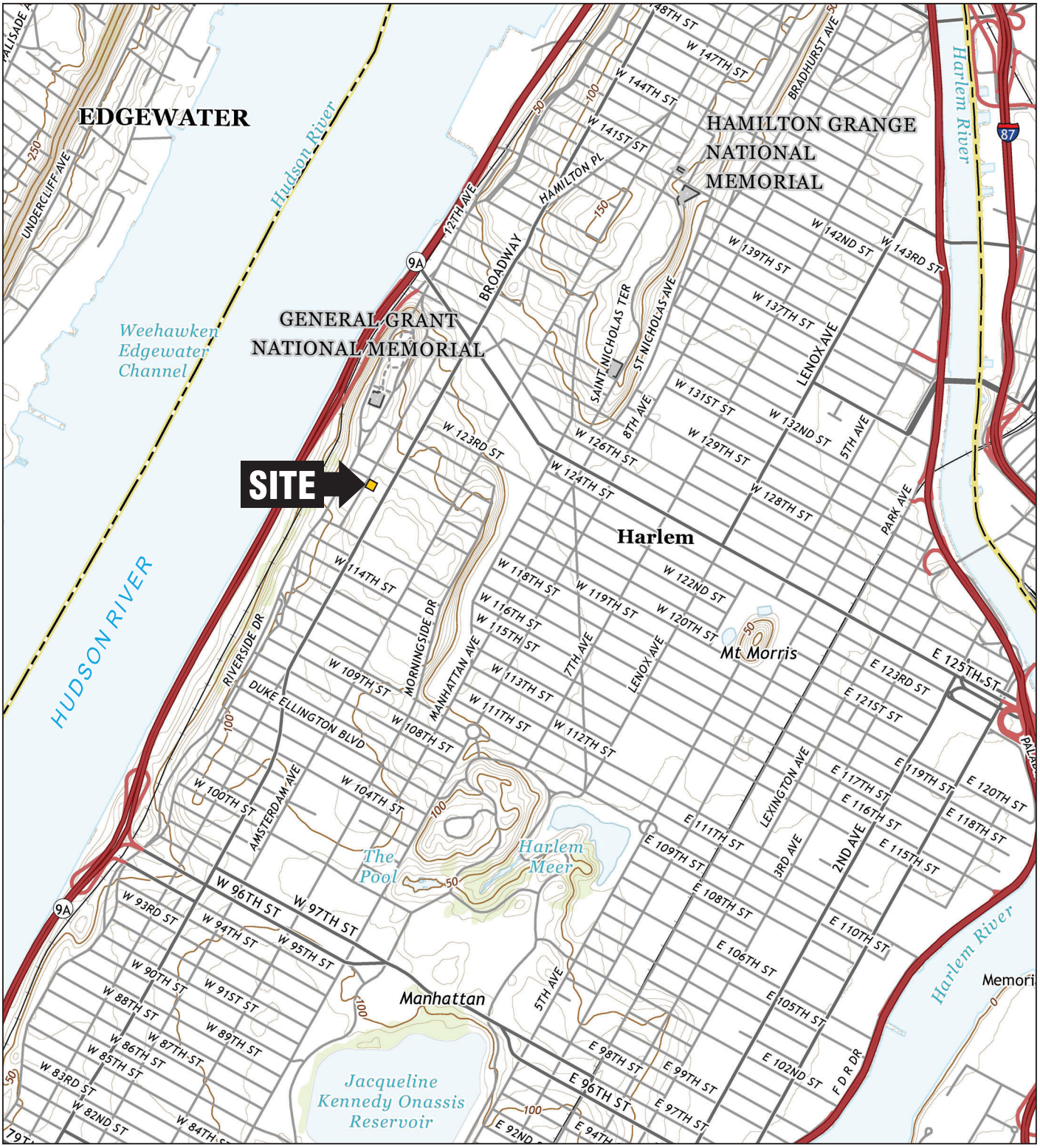
Air Quality

Construction would be conducted with care and all appropriate fugitive dust control measures required by law, including watering of exposed areas and dust covers for trucks would be employed. Given the size of the project and the limited construction period, the mobile source emissions generated by the proposed action would not be significant.

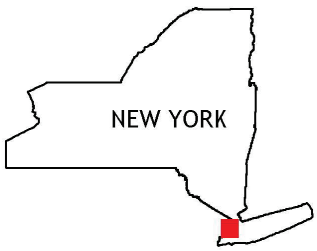
Conclusion

Overall, the construction-related activities associated with development of the Proposed Project are not expected to have significant adverse impacts and further analysis is not required. Overall, through implementation of the measures described above, adverse effects associated with the proposed construction activities would be minimized. Accordingly, the Proposed Project would not result in significant adverse impacts during construction, and no further analysis is required.

FIGURES



QUADRANGLE LOCATION



SOURCE:
USGS; 2019, Central Park, NY, NJ
7.5 Minute Topographic Quadrangle

N

0 2000’

Title:

SITE LOCATION

46 CLAREMONT AVENUE
NEWYORK, NEWYORK 10026

Prepared for:

BARNARD COLLEGE
ROY AND DIANA VAGELOS SCIENCE CENTER

ROUX

Compiled by: M.E.	Date: 03MAR23
Prepared by: B.H.C.	Scale: AS SHOWN
Project Mgr: M.E.	Project: 2549.0013Y000
File: 2549.0013Y104.01.CDR	

FIGURE 1

\2549Y\0013Y\104\2549.0013Y104.01.CDR

120' 0 120'

N

Title:

PROJECT AREA

46 CLAREMONT AVENUE
NEWYORK, NEWYORK 10026

Prepared for:

BARNARD COLLEGE
ROY AND DIANA VAGELOS SCIENCE CENTER

ROUX

Compiled by: M.E.	Date: 03MAR23
Prepared by: B.H.C.	Scale: AS SHOWN
Project Mgr: M.E.	Project: 2549.0013Y000
File: 2549.0013Y104.01.CDR	

FIGURE 2

\NETWORK PATH TO FILE

400’ 0 400’

N

Title:

COMMUNITY AREA

46 CLAREMONT AVENUE
NEWYORK, NEWYORK 10026

Prepared for:

BARNARD COLLEGE
ROY AND DIANA VAGELOS SCIENCE CENTER

ROUX

Compiled by: M.E.	Date: 03MAR23	FIGURE
Prepared by: B.H.C.	Scale: AS SHOWN	3
Project Mgr: M.E.	Project: 2549.0013Y000	
File: 2549.0013Y104.01.CDR		

\NETWORK PATH TO FILE

ATTACHMENTS

A. Zoning Information
B. Historic Documentation/Reference
C. Air Impact Screening

ATTACHMENT A

Zoning Information

CLICK HERE TO SIGN UP FOR BUILDINGS NEWS

NYC Department of Buildings

Property Profile Overview

3019 BROADWAY **MANHATTAN 10027** **BIN# 1079205**

BROADWAY	3019 - 3019	**Health Area**	: 8800	**Tax Block**	: 1989
CLAREMONT AVENUE	46 - 76	**Census Tract**	: 205	**Tax Lot**	: 1
BARNARD COLLEGE ALTSCHUL HALL	NO NUMBER	**Community Board**	: 109	**Condo**	: NO
		Buildings on Lot	: 7	**Vacant**	: NO

View DCP Addresses... Browse Block

View Zoning Documents | View Challenge Results | Pre - BIS PA | View Certificates of Occupancy

Cross Street(s):	WEST 116 STREET, WEST 120 STREET		
DOB Special Place Name:	BARNARD COLLEGE-ALTSCHUL HALL		
DOB Building Remarks:	ALTSCHUL HALL = 3019 BROADWAY (12/07)		
Landmark Status:		**Special Status:**	N/A
Local Law:	NO	**Loft Law:**	NO
SRO Restricted:	NO	**TA Restricted:**	NO
UB Restricted:	NO		
Environmental Restrictions:	N/A	**Grandfathered Sign:**	NO
Legal Adult Use:	NO	**City Owned:**	NO
Additional BINs for Building:	NONE		
HPD Multiple Dwelling:	No		

Special District: UNKNOWN

This property is not located in an area that may be affected by Tidal Wetlands, Freshwater Wetlands, Coastal Erosion Hazard Area, or Special Flood Hazard Area. Click here for more information

Department of Finance Building Classification: W6-EDUCATIONAL STRUC

Please Note: The Department of Finance's building classification information shows a building's tax status, which may not be the same as the legal use of the structure. To determine the legal use of a structure, research the records of the Department of Buildings.

	Total	Open
Complaints	3	0
Violations-DOB	4	1
Violations-OATH/ECB	1	0
Jobs/Filings	61	
ARA / LAA Jobs	2	
Total Jobs	63	
Actions	7	

OR Enter Action Type:

OR Select from List: Select...

AND Show Actions

Elevator Records
Electrical Applications
Permits In-Process / Issued
Illuminated Signs Annual Permits
Plumbing Inspections
Open Plumbing Jobs / Work Types
Facades
Marquee Annual Permits
Boiler Records
DEP Boiler Information
Crane Information
After Hours Variance Permits

If you have any questions please review these Frequently Asked Questions, the Glossary, or call the 311 Citizen Service Center by dialing 311 or (212) NEW YORK outside of New York City.

3009 BROADWAY, 10027

TAX LOT | BBL 1019890001

Manhattan (Borough 1) | Block 1989 | Lot 1

Zoning District: R8

INTERSECTING MAP LAYERS :

Transit Zone

ZONING DETAILS:

Digital Tax Map

Zoning Map: 5c (PDF)

Historical Zoning Maps (PDF)

Owner Type	Mixed
Owner	Show Owner
Land Use	Public Facilities & Institutions
Lot Area	151,100 sq ft
Lot Frontage	755.5 ft
Lot Depth	200 ft
Year Built	1901
Year s Altered	1987 , 1994
Building Class	Educational Structures - Other College and University (W6)
Number of Buildings	7
Number of Floors	14
Gross Floor Area	698,122 sq ft
Total # of Units	1
Building Info	BISWEB
Property Records	View ACRIS
Housing Info	View HPD's Building, Registration & Violation Records
Community District	Manhattan Community District 9
City Council District	Council District 7
School District	03
Police Precinct	26
Fire Company	E047
Sanitation Borough	1
Sanitation District	09
Sanitation Subsection	1A

Powered by ZoLa | zola.planning.nyc.gov | NYC Department of City Planning

Zoning and Land Use

Tax Lots

- One & Two Family Buildings
- Multi-Family Walk-Up Buildings
- Multi-Family Elevator Buildings
- Mixed Residential & Commercial Buildings
- Commercial & Office Buildings
- Industrial & Manufacturing
- Transportation & Utility
- Public Facilities & Institutions
- Open Space & Outdoor Recreation
- Parking Facilities
- Vacant Land
- Other

Zoning Districts

- Commercial Districts
- Manufacturing Districts
- Residence Districts
- Parks
- Battery Park City

Commercial Overlays

- C1-1 through C1-5
- C2-1 through C2-5

Supporting Zoning Layers

- Coastal Zone Boundary
- Historic Districts
- Environmental Designations
  - Environmental Designations

Basemaps

- Subways
- Building Footprints

ATTACHMENT B

Historic Documentation/Reference

New York State
Parks, Recreation and
Historic Preservation

KATHY HOCHUL
Governor

ERIK KULLESEID
Commissioner

June 29, 2023

Matthew Stanley
Senior Environmental Manager
Dormitory Authority - State of New York
Office of Environmental Affairs
28 Liberty Street, 55th Floor
New York, NY 10005

Re: DASNY
Barnard College / R&D Vagelos Science Center
3009 Broadway, New York, NY 10027
22PR05882

Dear Matthew Stanley:

Meeting on 6/28/23
NAI

Thank you for continuing to consult with the Division for Historic Preservation of the Office of Parks, Recreation and Historic Preservation (OPRHP). We have reviewed the submitted materials in accordance with the New York State Historic Preservation Act of 1980 (section 14.09 of the New York Parks, Recreation and Historic Preservation Law). These comments are those of the Division for Historic Preservation and relate only to Historic/Cultural resources.

Thank you for providing the additional information and details regarding the impact of fire code requirements on the design of the Altschul-Milbank connector during our meeting of June 28th, 2023. Based on this information and our discussion during the meeting, it continues to be OPRHP's opinion that the proposed work will have No Adverse Impact on historic resources.

If you have any questions, I am best reached via e-mail.

Sincerely,

Olivia Brazee
Historic Site Restoration Coordinator
olivia.brazee@parks.ny.gov

via e-mail only

CRIS NYS Cultural Resource Information System

HOME SUBMIT SEARCH COMMUNICATE

Welcome Guest User | Contact Us

Criteria | Spatial | Results

1. Navigate to your area of interest

Option A: Zoom to a County or Municipality

Select County... | Select Municipality... | Zoom

Option B: Find an Address Location

3009 broadway, new york, new york | Find Address

2. Define or refine the location/area for your search

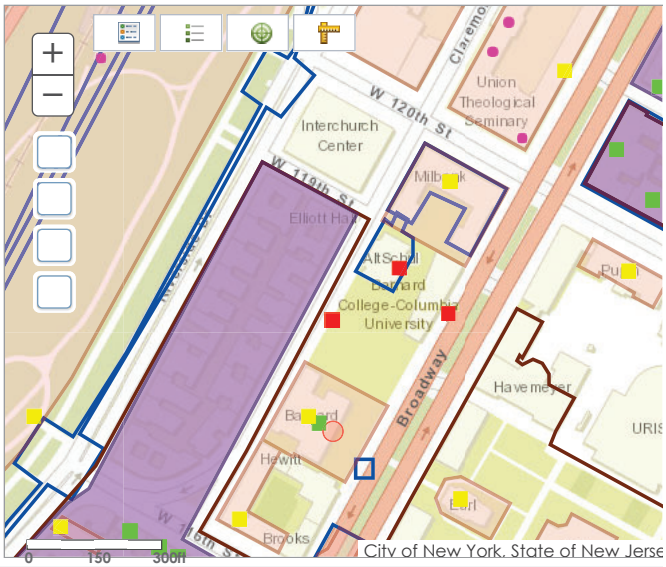
Click a button below to activate the draw tool and draw the shape on the map

Point | Line | Rectangle | Circle | Polygon

3. Generate a search radius around your graphic (Optional)

Generate a [ ] Foot buffer | Generate Buffer

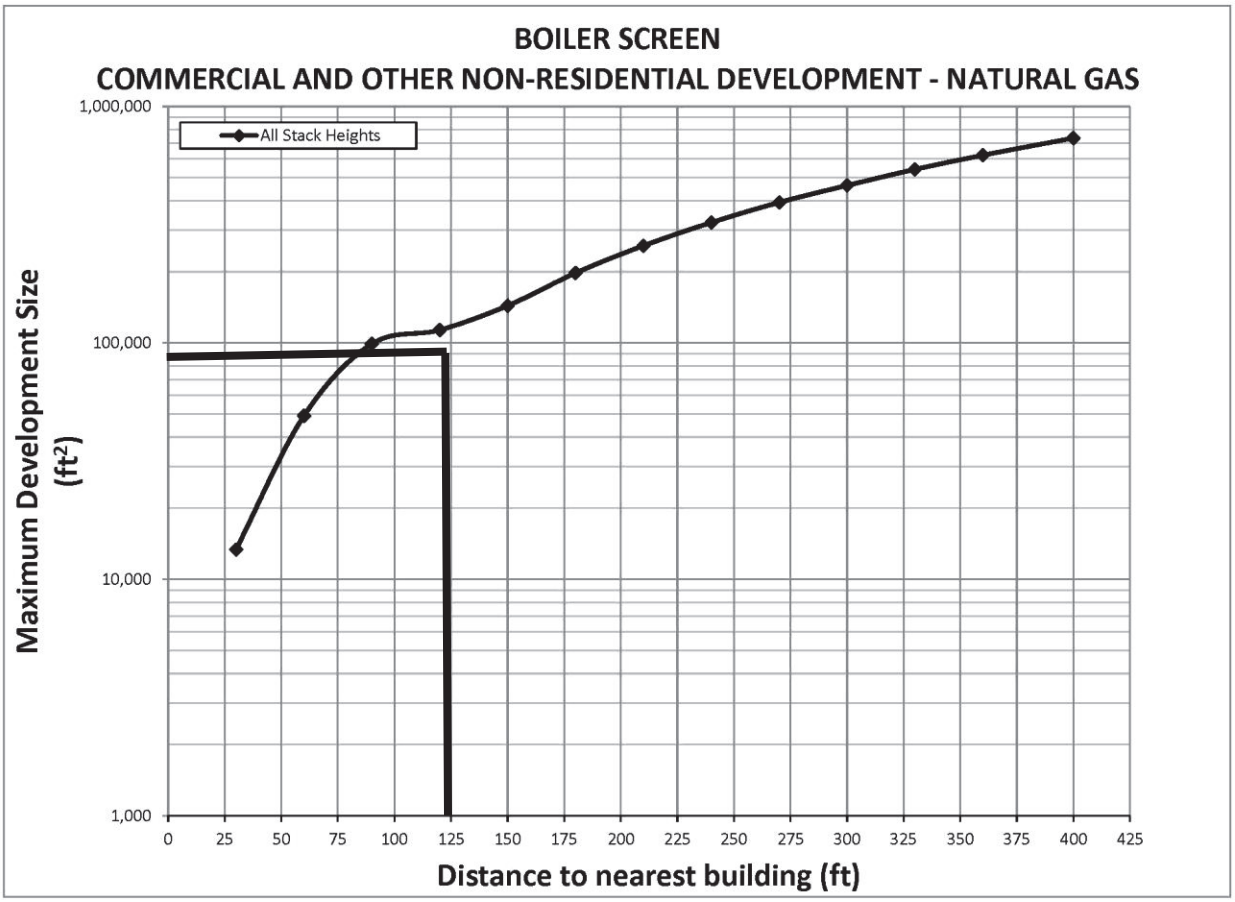
Search | Reset



ATTACHMENT C

Air Impact Screening

Figure App 17-3



Agency Use Only [If applicable]

Project : Barnard RDSC / 2025 Financing

Date : 2/10/2025

Full Environmental Assessment Form
Part 2 - Identification of Potential Project Impacts

Part 2 is to be completed by the lead agency. Part 2 is designed to help the lead agency inventory all potential resources that could be affected by a proposed project or action. We recognize that the lead agency's reviewer(s) will not necessarily be environmental professionals. So, the questions are designed to walk a reviewer through the assessment process by providing a series of questions that can be answered using the information found in Part 1. To further assist the lead agency in completing Part 2, the form identifies the most relevant questions in Part 1 that will provide the information needed to answer the Part 2 question. When Part 2 is completed, the lead agency will have identified the relevant environmental areas that may be impacted by the proposed activity.

If the lead agency is a state agency **and** the action is in any Coastal Area, complete the Coastal Assessment Form before proceeding with this assessment.

Tips for completing Part 2:

- Review all of the information provided in Part 1.
- Review any application, maps, supporting materials and the Full EAF Workbook.
- Answer each of the 18 questions in Part 2.
- If you answer "**Yes"** to a numbered question, please complete all the questions that follow in that section.
- If you answer "**No"** to a numbered question, move on to the next numbered question.
- Check appropriate column to indicate the anticipated size of the impact.
- Proposed projects that would exceed a numeric threshold contained in a question should result in the reviewing agency checking the box "Moderate to large impact may occur."
- The reviewer is not expected to be an expert in environmental analysis.
- If you are not sure or undecided about the size of an impact, it may help to review the sub-questions for the general question and consult the workbook.
- When answering a question consider all components of the proposed activity, that is, the "whole action".
- Consider the possibility for long-term and cumulative impacts as well as direct impacts.
- Answer the question in a reasonable manner considering the scale and context of the project.

1. Impact on Land

Proposed action may involve construction on, or physical alteration of, the land surface of the proposed site. (See Part 1. D.1)

☐ NO ☑ YES

If "Yes", answer questions a - j. If "No", move on to Section 2.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may involve construction on land where depth to water table is less than 3 feet.	E2d	☑	☐
b. The proposed action may involve construction on slopes of 15% or greater.	E2f	☑	☐
c. The proposed action may involve construction on land where bedrock is exposed, or generally within 5 feet of existing ground surface.	E2a	☑	☐
d. The proposed action may involve the excavation and removal of more than 1,000 tons of natural material.	D2a	☑	☐
e. The proposed action may involve construction that continues for more than one year or in multiple phases.	D1e	☑	☐
f. The proposed action may result in increased erosion, whether from physical disturbance or vegetation removal (including from treatment by herbicides).	D2e, D2q	☑	☐
g. The proposed action is, or may be, located within a Coastal Erosion hazard area.	B1i	☑	☐
h. Other impacts: _____ _____		☐	☐

2. Impact on Geological Features

The proposed action may result in the modification or destruction of, or inhibit access to, any unique or unusual land forms on the site (e.g., cliffs, dunes, minerals, fossils, caves). (See Part 1. E.2.g) ☑ NO ☐ YES

If "Yes", answer questions a - c. If "No", move on to Section 3.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Identify the specific land form(s) attached: _____ _____	E2g	□	□
b. The proposed action may affect or is adjacent to a geological feature listed as a registered National Natural Landmark. Specific feature: _____	E3c	□	□
c. Other impacts: _____ _____		□	□

3. Impacts on Surface Water

The proposed action may affect one or more wetlands or other surface water bodies (e.g., streams, rivers, ponds or lakes). (See Part 1. D.2, E.2.h) ☑ NO ☐ YES

If "Yes", answer questions a - l. If "No", move on to Section 4.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may create a new water body.	D2b, D1h	□	□
b. The proposed action may result in an increase or decrease of over 10% or more than a 10 acre increase or decrease in the surface area of any body of water.	D2b	□	□
c. The proposed action may involve dredging more than 100 cubic yards of material from a wetland or water body.	D2a	□	□
d. The proposed action may involve construction within or adjoining a freshwater or tidal wetland, or in the bed or banks of any other water body.	E2h	□	□
e. The proposed action may create turbidity in a waterbody, either from upland erosion, runoff or by disturbing bottom sediments.	D2a, D2h	□	□
f. The proposed action may include construction of one or more intake(s) for withdrawal of water from surface water.	D2c	□	□
g. The proposed action may include construction of one or more outfall(s) for discharge of wastewater to surface water(s).	D2d	□	□
h. The proposed action may cause soil erosion, or otherwise create a source of stormwater discharge that may lead to siltation or other degradation of receiving water bodies.	D2e	□	□
i. The proposed action may affect the water quality of any water bodies within or downstream of the site of the proposed action.	E2h	□	□
j. The proposed action may involve the application of pesticides or herbicides in or around any water body.	D2q, E2h	□	□
k. The proposed action may require the construction of new, or expansion of existing, wastewater treatment facilities.	D1a, D2d	□	□

l. Other impacts: _____ _____		□	□

4. Impact on groundwater

The proposed action may result in new or additional use of ground water, or may have the potential to introduce contaminants to ground water or an aquifer. (See Part 1. D.2.a, D.2.c, D.2.d, D.2.p, D.2.q, D.2.t) ☑ NO ☐ YES

If "Yes", answer questions a - h. If "No", move on to Section 5.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may require new water supply wells, or create additional demand on supplies from existing water supply wells.	D2c	□	□
b. Water supply demand from the proposed action may exceed safe and sustainable withdrawal capacity rate of the local supply or aquifer. Cite Source: _____	D2c	□	□
c. The proposed action may allow or result in residential uses in areas without water and sewer services.	D1a, D2c	□	□
d. The proposed action may include or require wastewater discharged to groundwater.	D2d, E2l	□	□
e. The proposed action may result in the construction of water supply wells in locations where groundwater is, or is suspected to be, contaminated.	D2c, E1f, E1g, E1h	□	□
f. The proposed action may require the bulk storage of petroleum or chemical products over ground water or an aquifer.	D2p, E2l	□	□
g. The proposed action may involve the commercial application of pesticides within 100 feet of potable drinking water or irrigation sources.	E2h, D2q, E2l, D2c	□	□
h. Other impacts: _____ _____		□	□

5. Impact on Flooding

The proposed action may result in development on lands subject to flooding. (See Part 1. E.2) ☑ NO ☐ YES

If "Yes", answer questions a - g. If "No", move on to Section 6.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in development in a designated floodway.	E2i	□	□
b. The proposed action may result in development within a 100 year floodplain.	E2j	□	□
c. The proposed action may result in development within a 500 year floodplain.	E2k	□	□
d. The proposed action may result in, or require, modification of existing drainage patterns.	D2b, D2e	□	□
e. The proposed action may change flood water flows that contribute to flooding.	D2b, E2i, E2j, E2k	□	□
f. If there is a dam located on the site of the proposed action, is the dam in need of repair, or upgrade?	E1e	□	□

g. Other impacts: _____ _____		☐	☐

6. Impacts on Air

The proposed action may include a state regulated air emission source. (See Part 1. D.2.f., D.2.h, D.2.g) ☑ NO ☐ YES

If "Yes", answer questions a - f. If "No", move on to Section 7.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. If the proposed action requires federal or state air emission permits, the action may also emit one or more greenhouse gases at or above the following levels:			
i. More than 1000 tons/year of carbon dioxide (CO_2)	D2g	☐	☐
ii. More than 3.5 tons/year of nitrous oxide (N_2O)	D2g	☐	☐
iii. More than 1000 tons/year of carbon equivalent of perfluorocarbons (PFCs)	D2g	☐	☐
iv. More than .045 tons/year of sulfur hexafluoride (SF_6)	D2g	☐	☐
v. More than 1000 tons/year of carbon dioxide equivalent of hydrochloroflourocarbons (HFCs) emissions	D2g	☐	☐
vi. 43 tons/year or more of methane	D2h	☐	☐
b. The proposed action may generate 10 tons/year or more of any one designated hazardous air pollutant, or 25 tons/year or more of any combination of such hazardous air pollutants.	D2g	☐	☐
c. The proposed action may require a state air registration, or may produce an emissions rate of total contaminants that may exceed 5 lbs. per hour, or may include a heat source capable of producing more than 10 million BTU's per hour.	D2f, D2g	☐	☐
d. The proposed action may reach 50% of any of the thresholds in "a" through "c", above.	D2g	☐	☐
e. The proposed action may result in the combustion or thermal treatment of more than 1 ton of refuse per hour.	D2s	☐	☐
f. Other impacts: _____ _____		☐	☐

7. Impact on Plants and Animals

The proposed action may result in a loss of flora or fauna. (See Part 1. E.2. m.-q.) ☑ NO ☐ YES

If "Yes", answer questions a - j. If "No", move on to Section 8.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may cause reduction in population or loss of individuals of any threatened or endangered species, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2o	☐	☐
b. The proposed action may result in a reduction or degradation of any habitat used by any rare, threatened or endangered species, as listed by New York State or the federal government.	E2o	☐	☐
c. The proposed action may cause reduction in population, or loss of individuals, of any species of special concern or conservation need, as listed by New York State or the Federal government, that use the site, or are found on, over, or near the site.	E2p	☐	☐
d. The proposed action may result in a reduction or degradation of any habitat used by any species of special concern and conservation need, as listed by New York State or the Federal government.	E2p	☐	☐

e. The proposed action may diminish the capacity of a registered National Natural Landmark to support the biological community it was established to protect.	E3c	□	□
f. The proposed action may result in the removal of, or ground disturbance in, any portion of a designated significant natural community. Source: _____	E2n	□	□
g. The proposed action may substantially interfere with nesting/breeding, foraging, or over-wintering habitat for the predominant species that occupy or use the project site.	E2m	□	□
h. The proposed action requires the conversion of more than 10 acres of forest, grassland or any other regionally or locally important habitat. Habitat type & information source: _____ _____	E1b	□	□
i. Proposed action (commercial, industrial or recreational projects, only) involves use of herbicides or pesticides.	D2q	□	□
j. Other impacts: _____ _____		□	□

8. Impact on Agricultural Resources

The proposed action may impact agricultural resources. (See Part 1. E.3.a. and b.) ☑ NO ☐ YES

If "Yes", answer questions a - h. If "No", move on to Section 9.

	Relevant Part I Question(s)	**No, or small impact may occur**	**Moderate to large impact may occur**
a. The proposed action may impact soil classified within soil group 1 through 4 of the NYS Land Classification System.	E2c, E3b	□	□
b. The proposed action may sever, cross or otherwise limit access to agricultural land (includes cropland, hayfields, pasture, vineyard, orchard, etc).	E1a, Elb	□	□
c. The proposed action may result in the excavation or compaction of the soil profile of active agricultural land.	E3b	□	□
d. The proposed action may irreversibly convert agricultural land to non-agricultural uses, either more than 2.5 acres if located in an Agricultural District, or more than 10 acres if not within an Agricultural District.	E1b, E3a	□	□
e. The proposed action may disrupt or prevent installation of an agricultural land management system.	El a, E1b	□	□
f. The proposed action may result, directly or indirectly, in increased development potential or pressure on farmland.	C2c, C3, D2c, D2d	□	□
g. The proposed project is not consistent with the adopted municipal Farmland Protection Plan.	C2c	□	□
h. Other impacts: _____		□	□

9. Impact on Aesthetic Resources

The land use of the proposed action are obviously different from, or are in sharp contrast to, current land use patterns between the proposed project and a scenic or aesthetic resource. (Part 1. E.1.a, E.1.b, E.3.h.)

☑ NO ☐ YES

If "Yes", answer questions a - g. If "No", go to Section 10.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Proposed action may be visible from any officially designated federal, state, or local scenic or aesthetic resource.	E3h	☐	☐
b. The proposed action may result in the obstruction, elimination or significant screening of one or more officially designated scenic views.	E3h, C2b	☐	☐
c. The proposed action may be visible from publicly accessible vantage points: i. Seasonally (e.g., screened by summer foliage, but visible during other seasons) ii. Year round	E3h	 ☐ ☐	 ☐ ☐
d. The situation or activity in which viewers are engaged while viewing the proposed action is: i. Routine travel by residents, including travel to and from work ii. Recreational or tourism based activities	E3h E2q, E1c	 ☐ ☐	 ☐ ☐
e. The proposed action may cause a diminishment of the public enjoyment and appreciation of the designated aesthetic resource.	E3h	☐	☐
f. There are similar projects visible within the following distance of the proposed project: 0-1/2 mile ½ -3 mile 3-5 mile 5+ mile	D1a, E1a, D1f, D1g	☐	☐
g. Other impacts: _____ _____		☐	☐

10. Impact on Historic and Archeological Resources

The proposed action may occur in or adjacent to a historic or archaeological resource. (Part 1. E.3.e, f. and g.)

☐ NO ☑ YES

If "Yes", answer questions a - e. If "No", go to Section 11.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may occur wholly or partially within, or substantially contiguous to, any buildings, archaeological site or district which is listed on the National or State Register of Historical Places, or that has been determined by the Commissioner of the NYS Office of Parks, Recreation and Historic Preservation to be eligible for listing on the State Register of Historic Places.	E3e	☑	☐
b. The proposed action may occur wholly or partially within, or substantially contiguous to, an area designated as sensitive for archaeological sites on the NY State Historic Preservation Office (SHPO) archaeological site inventory.	E3f	☑	☐
c. The proposed action may occur wholly or partially within, or substantially contiguous to, an archaeological site not included on the NY SHPO inventory. Source: _____	E3g	☑	☐

d. Other impacts: SHPO No Adverse Impact letter, 6/29/2023, attached		☐	☐
e. If any of the above (a-d) are answered "Moderate to large impact may occur", continue with the following questions to help support conclusions in Part 3:			
i. The proposed action may result in the destruction or alteration of all or part of the site or property.	E3e, E3g, E3f	☐	☐
ii. The proposed action may result in the alteration of the property's setting or integrity.	E3e, E3f, E3g, E1a, E1b	☐	☐
iii. The proposed action may result in the introduction of visual elements which are out of character with the site or property, or may alter its setting.	E3e, E3f, E3g, E3h, C2, C3	☐	☐

11. Impact on Open Space and Recreation

The proposed action may result in a loss of recreational opportunities or a reduction of an open space resource as designated in any adopted municipal open space plan.
(See Part 1. C.2.c, E.1.c., E.2.q.)
If "Yes", answer questions a - e. If "No", go to Section 12.

☑ NO ☐ YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in an impairment of natural functions, or "ecosystem services", provided by an undeveloped area, including but not limited to stormwater storage, nutrient cycling, wildlife habitat.	D2e, E1b E2h, E2m, E2o, E2n, E2p	□	□
b. The proposed action may result in the loss of a current or future recreational resource.	C2a, E1c, C2c, E2q	□	□
c. The proposed action may eliminate open space or recreational resource in an area with few such resources.	C2a, C2c E1c, E2q	□	□
d. The proposed action may result in loss of an area now used informally by the community as an open space resource.	C2c, E1c	□	□
e. Other impacts: _____		□	□

12. Impact on Critical Environmental Areas

The proposed action may be located within or adjacent to a critical environmental area (CEA). (See Part 1. E.3.d)
If "Yes", answer questions a - c. If "No", go to Section 13.

☑ NO ☐ YES

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may result in a reduction in the quantity of the resource or characteristic which was the basis for designation of the CEA.	E3d	□	□
b. The proposed action may result in a reduction in the quality of the resource or characteristic which was the basis for designation of the CEA.	E3d	□	□
c. Other impacts: _____		□	□

13. Impact on Transportation

The proposed action may result in a change to existing transportation systems. ☑ NO ☐ YES
(See Part 1. D.2.j)
If "Yes", answer questions a - f. If "No", go to Section 14.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. Projected traffic increase may exceed capacity of existing road network.	D2j	☐	☐
b. The proposed action may result in the construction of paved parking area for 500 or more vehicles.	D2j	☐	☐
c. The proposed action will degrade existing transit access.	D2j	☐	☐
d. The proposed action will degrade existing pedestrian or bicycle accommodations.	D2j	☐	☐
e. The proposed action may alter the present pattern of movement of people or goods.	D2j	☐	☐
f. Other impacts: _____ _____		☐	☐

14. Impact on Energy

The proposed action may cause an increase in the use of any form of energy. ☑ NO ☐ YES
(See Part 1. D.2.k)
If "Yes", answer questions a - e. If "No", go to Section 15.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action will require a new, or an upgrade to an existing, substation.	D2k	☐	☐
b. The proposed action will require the creation or extension of an energy transmission or supply system to serve more than 50 single or two-family residences or to serve a commercial or industrial use.	D1f, D1q, D2k	☐	☐
c. The proposed action may utilize more than 2,500 MWhrs per year of electricity.	D2k	☐	☐
d. The proposed action may involve heating and/or cooling of more than 100,000 square feet of building area when completed.	D1g	☐	☐
e. Other Impacts: _____ _____			

15. Impact on Noise, Odor, and Light

The proposed action may result in an increase in noise, odors, or outdoor lighting. ☑ NO ☐ YES
(See Part 1. D.2.m., n., and o.)
If "Yes", answer questions a - f. If "No", go to Section 16.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may produce sound above noise levels established by local regulation.	D2m	☐	☐
b. The proposed action may result in blasting within 1,500 feet of any residence, hospital, school, licensed day care center, or nursing home.	D2m, E1d	☐	☐
c. The proposed action may result in routine odors for more than one hour per day.	D2o	☐	☐

d. The proposed action may result in light shining onto adjoining properties.	D2n	☐	☐
e. The proposed action may result in lighting creating sky-glow brighter than existing area conditions.	D2n, E1a	☐	☐
f. Other impacts: _____ _____		☐	☐

16. Impact on Human Health

The proposed action may have an impact on human health from exposure to new or existing sources of contaminants. (See Part 1.D.2.q., E.1. d. f. g. and h.) ☑ NO ☐ YES

If "Yes", answer questions a - m. If "No", go to Section 17.

	Relevant Part I Question(s)	No,or small impact may cccur	Moderate to large impact may occur
a. The proposed action is located within 1500 feet of a school, hospital, licensed day care center, group home, nursing home or retirement community.	E1d	☐	☐
b. The site of the proposed action is currently undergoing remediation.	E1g, E1h	☐	☐
c. There is a completed emergency spill remediation, or a completed environmental site remediation on, or adjacent to, the site of the proposed action.	E1g, E1h	☐	☐
d. The site of the action is subject to an institutional control limiting the use of the property (e.g., easement or deed restriction).	E1g, E1h	☐	☐
e. The proposed action may affect institutional control measures that were put in place to ensure that the site remains protective of the environment and human health.	E1g, E1h	☐	☐
f. The proposed action has adequate control measures in place to ensure that future generation, treatment and/or disposal of hazardous wastes will be protective of the environment and human health.	D2t	☐	☐
g. The proposed action involves construction or modification of a solid waste management facility.	D2q, E1f	☐	☐
h. The proposed action may result in the unearthing of solid or hazardous waste.	D2q, E1f	☐	☐
i. The proposed action may result in an increase in the rate of disposal, or processing, of solid waste.	D2r, D2s	☐	☐
j. The proposed action may result in excavation or other disturbance within 2000 feet of a site used for the disposal of solid or hazardous waste.	E1f, E1g E1h	☐	☐
k. The proposed action may result in the migration of explosive gases from a landfill site to adjacent off site structures.	E1f, E1g	☐	☐
l. The proposed action may result in the release of contaminated leachate from the project site.	D2s, E1f, D2r	☐	☐
m. Other impacts: _____ _____			

17. Consistency with Community Plans

The proposed action is not consistent with adopted land use plans. ☑ NO ☐ YES

(See Part 1. C.1, C.2. and C.3.)

If "Yes", answer questions a - h. If "No", go to Section 18.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action's land use components may be different from, or in sharp contrast to, current surrounding land use pattern(s).	C2, C3, D1a E1a, E1b	☐	☐
b. The proposed action will cause the permanent population of the city, town or village in which the project is located to grow by more than 5%.	C2	☐	☐
c. The proposed action is inconsistent with local land use plans or zoning regulations.	C2, C2, C3	☐	☐
d. The proposed action is inconsistent with any County plans, or other regional land use plans.	C2, C2	☐	☐
e. The proposed action may cause a change in the density of development that is not supported by existing infrastructure or is distant from existing infrastructure.	C3, D1c, D1d, D1f, D1d, Elb	☐	☐
f. The proposed action is located in an area characterized by low density development that will require new or expanded public infrastructure.	C4, D2c, D2d D2j	☐	☐
g. The proposed action may induce secondary development impacts (e.g., residential or commercial development not included in the proposed action)	C2a	☐	☐
h. Other: _____ _____		☐	☐

18. Consistency with Community Character

The proposed project is inconsistent with the existing community character. ☑ NO ☐ YES

(See Part 1. C.2, C.3, D.2, E.3)

If "Yes", answer questions a - g. If "No", proceed to Part 3.

	Relevant Part I Question(s)	No, or small impact may occur	Moderate to large impact may occur
a. The proposed action may replace or eliminate existing facilities, structures, or areas of historic importance to the community.	E3e, E3f, E3g	☐	☐
b. The proposed action may create a demand for additional community services (e.g. schools, police and fire)	C4	☐	☐
c. The proposed action may displace affordable or low-income housing in an area where there is a shortage of such housing.	C2, C3, D1f D1g, E1a	☐	☐
d. The proposed action may interfere with the use or enjoyment of officially recognized or designated public resources.	C2, E3	☐	☐
e. The proposed action is inconsistent with the predominant architectural scale and character.	C2, C3	☐	☐
f. Proposed action is inconsistent with the character of the existing natural landscape.	C2, C3 E1a, E1b E2g, E2h	☐	☐
g. Other impacts: _____ _____		☐	☐

PRINT FULL FORM

Full Environmental Assessment Form
Part 3 - Evaluation of the Magnitude and Importance of Project Impacts
and
Determination of Significance

Part 3 provides the reasons in support of the determination of significance. The lead agency must complete Part 3 for every question in Part 2 where the impact has been identified as potentially moderate to large or where there is a need to explain why a particular element of the proposed action will not, or may, result in a significant adverse environmental impact.

Based on the analysis in Part 3, the lead agency must decide whether to require an environmental impact statement to further assess the proposed action or whether available information is sufficient for the lead agency to conclude that the proposed action will not have a significant adverse environmental impact. By completing the certification on the next page, the lead agency can complete its determination of significance.

Reasons Supporting This Determination:
To complete this section:

- Identify the impact based on the Part 2 responses and describe its magnitude. Magnitude considers factors such as severity, size or extent of an impact.
- Assess the importance of the impact. Importance relates to the geographic scope, duration, probability of the impact occurring, number of people affected by the impact and any additional environmental consequences if the impact were to occur.
- The assessment should take into consideration any design element or project changes.
- Repeat this process for each Part 2 question where the impact has been identified as potentially moderate to large or where there is a need to explain why a particular element of the proposed action will not, or may, result in a significant adverse environmental impact.
- Provide the reason(s) why the impact may, or will not, result in a significant adverse environmental impact
- For Conditional Negative Declarations identify the specific condition(s) imposed that will modify the proposed action so that no significant adverse environmental impacts will result.
- Attach additional sheets, as needed.

See Attached

Determination of Significance - Type 1 and Unlisted Actions

SEQR Status: ☑ Type 1 ☐ Unlisted

Identify portions of EAF completed for this Project: ☑ Part 1 ☑ Part 2 ☑ Part 3

Upon review of the information recorded on this EAF, as noted, plus this additional support information
SEQR Supplemental Report, attached

and considering both the magnitude and importance of each identified potential impact, it is the conclusion of the Dormitory Authority of the State of New York as lead agency that:

☑ A. This project will result in no significant adverse impacts on the environment, and, therefore, an environmental impact statement need not be prepared. Accordingly, this negative declaration is issued.

☐ B. Although this project could have a significant adverse impact on the environment, that impact will be avoided or substantially mitigated because of the following conditions which will be required by the lead agency:

There will, therefore, be no significant adverse impacts from the project as conditioned, and, therefore, this conditioned negative declaration is issued. A conditioned negative declaration may be used only for UNLISTED actions (see 6 NYCRR 617.7(d)).

☐ C. This Project may result in one or more significant adverse impacts on the environment, and an environmental impact statement must be prepared to further assess the impact(s) and possible mitigation and to explore alternatives to avoid or reduce those impacts. Accordingly, this positive declaration is issued.

Name of Action:	Barnard College - Roy and Diana Vagelos Science Center
Name of Lead Agency:	Dormitory Authority of the State of New York
Name of Responsible Officer in Lead Agency:	Robert S. Derico, R.A.
Title of Responsible Officer:	Director, Office of Environmental Affairs
Signature of Responsible Officer in Lead Agency:	Date: 3/10/2025
Signature of Preparer (if different from Responsible Officer)	Date: 3/10/2025

For Further Information:

Contact Person: Robert S. Derico, R.A., Director, Office of Environmental Affairs

Address: DASNY, 515 Broadway, Albany, NY 12207

Telephone Number: (518) 257-3214

E-mail: rderico@dasny.org

For Type 1 Actions and Conditioned Negative Declarations, a copy of this Notice is sent to:

Chief Executive Officer of the political subdivision in which the action will be principally located (e.g., Town / City / Village of)
Other involved agencies (if any)
Applicant (if any)
Environmental Notice Bulletin: http://www.dec.ny.gov/enb/enb.html

PRINT FULL FORM

New York State
Parks, Recreation and
Historic Preservation

KATHY HOCHUL
Governor

ERIK KULLESEID
Commissioner

June 29, 2023

Matthew Stanley
Senior Environmental Manager
Dormitory Authority - State of New York
Office of Environmental Affairs
28 Liberty Street, 55th Floor
New York, NY 10005

Re: DASNY
Barnard College / R&D Vagelos Science Center
3009 Broadway, New York, NY 10027
22PR05882

Dear Matthew Stanley:

Meeting on 6/28/23
NAI

Thank you for continuing to consult with the Division for Historic Preservation of the Office of Parks, Recreation and Historic Preservation (OPRHP). We have reviewed the submitted materials in accordance with the New York State Historic Preservation Act of 1980 (section 14.09 of the New York Parks, Recreation and Historic Preservation Law). These comments are those of the Division for Historic Preservation and relate only to Historic/Cultural resources.

Thank you for providing the additional information and details regarding the impact of fire code requirements on the design of the Altschul-Milbank connector during our meeting of June 28th, 2023. Based on this information and our discussion during the meeting, it continues to be OPRHP's opinion that the proposed work will have No Adverse Impact on historic resources.

If you have any questions, I am best reached via e-mail.

Sincerely,

Olivia Brazee
Historic Site Restoration Coordinator
olivia.brazee@parks.ny.gov

via e-mail only

SMART GROWTH IMPACT STATEMENT ASSESSMENT FORM

Date: **February 10, 2025** **Project Number:** **383820**
Project Applicant: **Barnard College**
Project Name: **Roy and Diana Vagelos Science Center (2025 Financing Project)**
Program: **Independent Colleges and Universities Program**
Project Location: **46 Claremont Avenue (3019 Broadway), Manhattan, New York County, New York**
Completed by: **Matthew A. Stanley, AICP, Office of Environmental Affairs**

This Smart Growth Impact Statement Assessment Form ("SGISAF") is a tool to assist the applicant and the Dormitory Authority of the State of New York's ("DASNY's") Smart Growth Advisory Committee in deliberations to determine whether a project is consistent with the New York *State Smart Growth Public Infrastructure Policy Act ("SSGPIPA"),* Article 6 of the New York State *Environmental Conservation Law ("ECL")*.[1] Not all questions/answers may be relevant or applicable to all projects.

Description of Proposed Action and Proposed Project:
Proposed Action: DASNY's authorization of bonds on behalf of Barnard
Proposed Project: Renovation and expansion of the existing Altschul Hall science building, including a new 14-story glazed addition to the north of the existing building.

Smart Growth Impact Assessment: Have any other entities issued a Smart Growth Impact Statement ("SGIS") with regard to this project? (If so, attach same). ☐ Yes ☒ No

1. Does the project advance or otherwise involve the use of, maintain, or improve existing infrastructure? Check one and describe: ☒ Yes ☐ No ☐ Not Relevant

   The Proposed Project would renovate and expand an existing academic building on a college campus, and would utilize/improve existing water, sewer, electrical, heating/cooling, transportation and other infrastructure.

2. Is the project located wholly or partially in a **municipal center**,[2] characterized by any of the following: Check all that apply and explain briefly:
   - ☒ A city or a village
   - ☒ Within the boundaries of a generally-recognized college, university, hospital or nursing-home campus
   - ☐ Area of concentrated and mixed land use that serves as a center for various activities including, but not limited to: **see below**
     - ☐ Central business districts (i.e., commercial or geographic heart of a city, downtown or "city center)
     - ☐ Main streets (i.e., primary retail street of a village, town, or small city)
     - ☐ Downtown areas (i.e., city's core, center or central business district)
     - ☐ Brownfield opportunity areas (https://www.dos.ny.gov/opd/programs/brownFieldOpp/index.html)
     - ☐ Downtown areas of Local Waterfront Revitalization Programs ("LWRPs") (https://www.dos.ny.gov/opd/programs/lwrp.html)
     - ☐ Transit-oriented development areas (i.e., areas with access to public transit for residents)
     - ☒ Environmental justice areas (https://www.dec.ny.gov/public/911.html)
     - ☐ Hardship areas

   The Project Site is located less than 400 feet from a Potential Environmental Justice Area as defined by the NYS Dept. of Environmental Conservation, on the campus of Barnard College, in the city of New York. Therefore, the Proposed Project would be generally supportive of this criterion.

[1] https://www.nysenate.gov/legislation/laws/ENV/A6
[2] DASNY interprets the term "municipal centers" to include existing, developed institutional campuses such as universities, colleges and hospitals.

3. Is the project located adjacent to municipal centers (please see characteristics in question 2, above) with clearly-defined borders, in an area designated for concentrated development in the future by a municipal or regional comprehensive plan that exhibits strong land use, transportation, infrastructure and economic connections to an existing municipal center? Check one and describe: ☐ Yes ☐ No ☒ Not Relevant

   This is not relevant because the project is consistent with criterion 2 above.

4. Is the project located in an area designated by a municipal or comprehensive plan, and appropriately zoned, as a future municipal center? Check one and describe: ☐ Yes ☐ No ☒ Not Relevant

   This is not relevant because the project is consistent with criterion 2 above.

5. Is the project located wholly or partially in a developed area or an area designated for concentrated infill development in accordance with a municipally-approved comprehensive land use plan, a local waterfront revitalization plan, brownfield opportunity area plan or other development plan? Check one and describe: ☐ Yes ☐ No ☒ Not Relevant

   This is not relevant because the project is consistent with criterion 2 above.

6. Does the project preserve and enhance the state's resources, including agricultural lands, forests, surface and groundwater, air quality, recreation and open space, scenic areas, and/or significant historic and archeological resources? Check one and describe: ☒ Yes ☐ No ☐ Not Relevant

   DASNY's coordinated SEQR review concluded that the Proposed Project would have no significant adverse unmitigated impacts on agricultural lands, forests, surface and groundwater, air quality, recreation and open space, scenic areas, and/or significant historic and archeological resources. Therefore, the Proposed Project would be generally supportive of this criterion.

7. Does the project foster mixed land uses and compact development, downtown revitalization, brownfield redevelopment, the enhancement of beauty in public spaces, the diversity and affordability of housing in proximity to places of employment, recreation and commercial development and/or the integration of all income and age groups? Check one and describe: ☐ Yes ☐ No ☒ Not Relevant

   The Proposed Project would expand an existing academic building on a college campus, as well as renovate the existing portion; it would not alter the current mix of land uses in the project vicinity and would not specifically contribute to or prohibit the advancement of the criteria listed above.

8. Does the project provide mobility through transportation choices, including improved public transportation and reduced automobile dependency? Check one and describe: ☐ Yes ☐ No ☒ Not Relevant

   The Proposed Project would not specifically contribute to or prohibit the advancement of the criteria listed above.

9. Does the project demonstrate coordination among state, regional, and local planning and governmental officials?[3] Check one and describe: ☒ Yes ☐ No ☐ Not Relevant

   DASNY, acting as lead agency, conducted a coordinated SEQR review of the Proposed Project. Other potentially involved agencies and/or interested parties included in the review are the City of New York*, local elected officials, NYS Department of Environmental Conservation ("NYS DEC"), and NYS Office of Parks, Recreation and Historic Preservation ("OPRHP"). The SEQR lead agency establishment regulations set a 30-day period for each involved agency or interested party to review the SEQR documents and provide any comments, concerns or the nature of their approval. Therefore, the Proposed Project would be generally supportive of this criterion.*

[3] Demonstration may include *State Environmental Quality Review ["SEQR"]* coordination with involved and interested agencies, district formation, agreements between involved parties, letters of support, State Pollutant Discharge Elimination System ["SPDES"] permit issuance/revision notices, etc.

10. Does the project involve community-based planning and collaboration?
Check one and describe: ☒ Yes ☐ No ☐ Not Relevant

As noted above, the City of New York and local elected officials were included as involved agencies and/or interested parties in DASNY's coordinated SEQR review. Therefore, the Proposed Project would be generally supportive of this criterion.

11. Is the project consistent with local building and land use codes?
Check one and describe: ☒ Yes ☐ No ☐ Not Relevant

The Proposed Project would be undertaken in compliance with all applicable codes and regulations and therefore would be generally supportive of this criterion.

12. Does the project promote sustainability by strengthening existing and creating new communities which reduce greenhouse gas emissions and do not compromise the needs of future generations? Check one and describe: ☒ Yes ☐ No ☐ Not Relevant

The Proposed Project would not emit greenhouse gases and therefore would be generally supportive of this criterion.

13. During the development of the project, was there broad-based public involvement?[4]
Check one and describe: ☒ Yes ☐ No ☐ Not Relevant

As noted above, the City of New York and local elected officials were included as involved agencies and/or interested parties in DASNY's coordinated SEQR review. Therefore, the Proposed Project would be generally supportive of this criterion.

14. Does the Recipient have an ongoing governance structure to sustain the implementation of community planning? Check one and describe: ☒ Yes ☐ No ☐ Not Relevant

As an institution of higher learning, Barnard College engages in planning activities on an ongoing basis to improve the quality of services it delivers to its students. Therefore, the Proposed Project would be consistent with this criterion.

15. Does the project mitigate future physical climate risk due to sea level rise, and/or storm surges and/or flooding, based on available data predicting the likelihood of future extreme weather events, including hazard risk analysis data if applicable? Check one and describe: ☒ Yes ☐ No ☐ Not Relevant

The Federal Emergency Management Agency ("FEMA") Flood Insurance Rate Map for the project vicinity indicates that the Project Site is not located in the 100-year or 500-year floodplain. The Project Site is situated at an elevation ranging from approximately 134 feet above sea level. The Proposed Project would be generally supportive of this criterion.

[4] Documentation may include *SEQR* coordination with involved and interested agencies, SPDES permit issuance/revision notice, approval of Bond Resolution, formation of district, evidence of public hearings, *Environmental Notice Bulletin ["ENB"]* or other published notices, letters of support, etc.

DASNY has reviewed the available information regarding this project and finds:

☒ The project was developed in general consistency with the relevant Smart Growth Criteria.
☐ The project was not developed in general consistency with the relevant Smart Growth Criteria.
☐ It was impracticable to develop this project in a manner consistent with the relevant Smart Growth Criteria for the following reasons: _____

ATTESTATION

I, President of DASNY/designee of the President of DASNY, hereby attest that the Proposed Project, to the extent practicable, meets the relevant criteria set forth above and that to the extent that it is not practical to meet any relevant criterion, for the reasons given above.

February 10, 2025
Signature/Date

Robert S. Derico, R.A., Director, Office of Environmental Affairs
Print Name and Title