City Environmental Quality Review

ENVIRONMENTAL ASSESSMENT STATEMENT

PART I, GENERAL INFORMATION

Reference Numbers

1. **05DEP010M**
CEQR REFERENCE NUMBER (TO BE ASSIGNED BY LEAD AGENCY)

BSA REFERENCE NO. IF APPLICABLE

ULURP REFERENCE NO. IF APPLICABLE

OTHER REFERENCE NO.(S) IF APPLICABLE
(e.g. Legislative Intro, CAPA, etc)

Lead Agency & Applicant Information
PROVIDE APPLICABLE INFORMATION

2a. Lead Agency	2b. Applicant Information
New York City Department of Environmental Protection	**Same**
NAME OF LEAD AGENCY	NAME OF APPLICANT
Angela Licata	
NAME OF LEAD AGENCY CONTACT PERSON	NAME OF APPLICANT'S REPRESENTATIVE OR CONTACT PERSON
Office of Environmental Planning and Assessment **59-17 Junction Boulevard, 11th Floor**	
ADDRESS	ADDRESS
Flushing **NY** **11373**	
CITY STATE ZIP	CITY STATE ZIP
718-595-4413 **718-595-4479**	
TELEPHONE FAX	TELEPHONE FAX
alicata@dep.nyc.gov	
EMAIL ADDRESS	EMAIL ADDRESS

Action Description
SEE CEQR MANUAL SECTIONS 2A & 2B

3a. NAME OF PROPOSAL **New York City Water Tunnel 3, Stage 2 Manhattan Leg, Shaft 33B**

3b. DESCRIBE THE ACTION(S) AND APPROVAL(S) BEING SOUGHT FROM OR UNDERTAKEN BY CITY (AND IF APPLICABLE, STATE AND FEDERAL AGENCIES) AND, BRIEFLY, DESCRIBE THE DEVELOPMENT OR PROJECT THAT WOULD RESULT FROM THE PROPOSED ACTION(S) AND APPROVAL(S):

See Page 1a

3c. DESCRIBE THE PURPOSE OF AND NEED FOR THE ACTION(S) AND APPROVAL(S):

See Page 1c

Required Action or Approvals

4. CITY PLANNING COMMISSION ☐ Yes ☒ No
☐ Change in City Map ☐ Zoning Certification ☐ Site Selection - Public Facility
☐ Zoning Map Amendment ☐ Zoning Authorization ☐ Disposition - Real Property ☐ Franchise
☐ Zoning Text Amendment ☐ Housing Plan & Project ☐ UDAAP ☐ Revocable Consent ☐ Concession
☐ Charter 197-a Plan
☐ Zoning Special Permit, specify type:
☐ Modification of
☐ Renewal of
☐ Other

5. UNIFORM LAND USE PROCEDURE (ULURP) ☐ Yes ☒ No

6. BOARD OF STANDARDS AND APPEALS ☐ Yes ☒ No
☐ Special Permit ☐ New ☐ Renewal Expiration Date
☐ Variance ☐ Use ☐ Bulk
Specify affected section(s) of Zoning Resolution

7. DEPARTMENT OF ENVIRONMENTAL PROTECTION ☒ Yes ☐ No (Title V, Power Generation, Medical Waste)

3b. DESCRIBE THE ACTION(S) AND APPROVAL(S) BEING SOUGHT FROM OR UNDERTAKEN BY CITY (AND IF APPLICABLE, STATE AND FEDERAL AGENCIES) AND, BRIEFLY, DESCRIBE THE DEVELOPMENT OR PROJECT THAT WOULD RESULT FROM THE PROPOSED ACTION(S) AND APPROVAL(S):

NYCDEP proposes to construct a vertical water supply shaft, Shaft 33B, in the sidewalk area at 59th Street and 1st Avenue in Manhattan, adjacent to the New York City Department of Transportation (DOT) Queensboro Bridge Engineer's office, and the New York City Department of Parks and Recreation's (NYCDPR) 14 Honey Locusts Park (Honey Locusts Park or Park).

The proposed Shaft 33B project consists of two distinct yet functionally related components that are required in order to incorporate the Shaft into NYCDEP's water distribution system; the first component is the construction and operation of the Shaft itself and the second is the construction and operation of the water mains that would connect the shaft to the existing water distribution system. Construction of the shaft and water mains would occur over a six year period; shaft construction would occur over a 52 month period and water main construction would occur over a 35 month period. The beginning of the water main construction would overlap with a portion of the shaft construction.

Before Shaft 33B and the water mains could be incorporated in to the City's distribution system, the shaft would go through an activation procedure that would include cleaning and disinfecting the shaft to ensure its acceptability for water supply purposes. Once constructed, neither the shaft nor the water mains would have significant surface features, and thus their operation would have a minimal appreciable effect on the area where they are proposed to be constructed.

The Shaft is made up of two major components: a cylindrical hole over 450 feet deep (referred to as the shaft) constructed primarily in the bedrock which contains the risers, covered by a distribution chamber constructed in the soil. The shaft would be approximately 25 feet in diameter at the top, stepping down gradually as it approaches the bottom. The distribution chamber would be approximately 63 feet x 29 feet x 25 feet in size and would be designed to be located about three feet below grade with the entrance to the chamber provided through two hatchways (approximately three feet x five feet in size) at ground elevation. A permanent 10-foot high by 14-inch diameter air vent would be located on the sidewalk at curbside to provide air into the shaft for maintenance workers. In addition, up to two standard (3-foot high by 6-inch diameter) hydrants could be provided in the adjacent sidewalk for blow-off (air relief) from the piping.

Shaft construction would take approximately 52 months and would include an 8-month period for equipment procurement during which time the site would be secured and inactive. The first phase would have a duration of approximately 27 months and consist of construction of the shaft and distribution chamber, and the second phase would have a duration of approximately 17 months and consist of equipment installation in the shaft and chamber and construction of regulators and valve chambers. The temporary aboveground area of disturbance during construction activities for Shaft 33B would vary depending on the on-site activities that were occurring. A maximum area of 9,200 sq. ft. would be required for 23 months; during other periods of construction, only 7,400 sq. ft. would be needed. Approximately 1,800 sq. ft. of Honey Locusts Park would be utilized for about 23 months of the entire construction period. A detailed description of the conceptual construction procedures, the equipment use and locations, and the potential significant impacts associated with the construction period will be provided in the Draft EIS.

Following construction activities, the site would be returned to a condition equivalent to its

original condition except for the two relatively small hatchways providing entrance to the shaft and the small (10-foot high by 14-inch diameter) air vent located on the sidewalk at curbside. In addition, up to two standard (3-foot high by 6-inch diameter) hydrants could be provided in the adjacent sidewalk for blow-off (air relief) from the piping. Honey Locusts Park would be restored following the completion of staging activities within Park boundaries.

The final phase of construction associated with the project would be the construction of the water mains from the Shaft site to the existing trunk main. The NYC Department of Design and Construction (NYCDDC) would construct the water mains according to a plan provided by NYCDEP. The exact timing, route and methods of this construction are not typically defined by NYCDEP, but by NYCDDC, which is the agency that implements the design and construction of water mains in the City's streets. NYCDDC determines the construction timing and routing according to conditions that exist at the time of construction.

Once construction of the shaft and water main has been completed, an activation procedure must be implemented prior to system operation. Activation of Shaft 33B would likely occur at the same time as the activation for City Tunnel No. 3, Stage 2 Manhattan Leg. The activation procedure for Shaft 33B would consist of three separate steps: shaft filling, shaft flushing and shaft disinfection. Initially, the shaft would be filled with water from NYC Water Tunnel No. 3. As the shaft fills with water, air in the shaft would be released through special air release valves. During the flushing step, water from the existing surface distribution system would be allowed to flow into the shaft (so that the water is flowing "in reverse") and into the Tunnel below. During the disinfection step, the shaft would be filled with chlorinated water from the Tunnel below. Chlorinated water from the tunnel would flow through the shaft and would be discharged to the local sewer system until required chlorine residual was achieved within the shaft. If necessary, pre-treatment of the chlorinated water, prior to discharge to the local sewer system, may be required. Once the required chlorine residual is achieved, the chlorinated water would be held in the shaft for a minimum of 24 hours, and then it would flow back into the Tunnel and would be discharged at the Tunnel discharge point.

Following activation, the Shaft and water mains would be operational unmanned underground facilities capable of conveying water from City Water Tunnel No. 3 to the surface distribution system that serves Manhattan residents

Please see the attached Draft Scope of Work for additional project details.

A number of State and City approvals may be required for the proposed project including the following:

- New York State Environmental Facilities Corporation State Environmental Review Process (State Revolving Loan Fund) Certification
- New York State Department of Environmental Conservation Air Emission Registration
- New York City Fire Department Blasting Permits
- New York City Department of Transportation Construction Activity Permits
- New York City Department of Transportation Sidewalk Construction Permits
- New York City Department of Transportation Street Opening Permits
- New York City Art Commission Approval for Construction Fencing or Wall
- New York City Landmarks Preservation Commission review

- New York City Department of Parks and Recreation approval for construction activities within Honey Locusts Park, as well as restoration plans for the park.
- New York City Transit Authority Surface Transit Operations Division Approval for potential temporary bus stop relocation
- New York City Department of Environmental Protection Air Permit
- New York City Department of Environmental Protection Tunneling Permit
- New York City Department of Environmental Protection Sewer Discharge Permit
- Memorandum of Understanding entered into by the NYCDEP and the NYCDOT outlining the terms and agreements associated with NYCDEP's usage of NYCDOT property

3c. DESCRIBE THE PURPOSE OF AND NEED FOR THE ACTION(S) AND APPROVAL(S):

Shaft 33B is primarily intended to address issues related to lack of redundant water supply sources and water pressure problems in the area where it would be located. In addition, as part of the overall plan for City Tunnel No. 3, Stage 2 Manhattan Leg it is intended to be located such that there would be no service disruptions or dramatic changes in pressure when City Tunnel No. 3, Stage 2 Manhattan Leg comes on-line and replaces service from City Tunnel No. 1. City Tunnel No. 1 has been in continuous service for several years and is in need of rehabilitation. Rehabilitation would not occur until City Tunnel No. 3 is capable of providing redundant water supply sources to this area of Manhattan. Shaft 33B would relieve the weaknesses of the distribution system in this area of Manhattan by providing a tunnel connection to multiple water main connections and allow for rehabilitation of City Tunnel No. 1.

Please see the attached Draft Scope of Work for additional project details.

PLEASE NOTE THAT MANY ACTIONS ARE NOT SUBJECT TO CEQR. SEE SECTION 110 OF TECHNICAL MANUAL

8. OTHER CITY APPROVALS ☒ Yes ☐ No

☐ Legislation ☐ Rulemaking; specify agency:

☐ Construction of Public Facilities ☒ Funding of Construction, Specify ☐ Funding of Programs, Specify

☐ Policy or plan ☒ Permits, Specify: **NYCDEP Tunnel Permit, Air Permit, Sewer Use Permit**
NYCDOT Construction Activity, Sidewalk, and Street Opening Permits
NYCTA Surface Transit Ops. Division Approval, NYFD Blasting Permit

Other; explain: **Art Commission Approval, NYDPR Construction Approval**

9. STATE ACTIONS/APPROVALS/FUNDING ☒ Yes ☐ No

If "Yes," identify **State Revolving Fund (SRF), NYSDEC Air Permit**

10. FEDERAL ACTIONS/APPROVALS/FUNDING ☐ Yes ☒ No

If "Yes," identify

Action Type

11a. ☐ Unlisted; or ☒ Type I; specify category (see 6 NYCRR 617.4 and NYC Executive Order 91 OF 1977, as amended):

SRF Funding

Analysis Year

11b. ☒ Localized action, site specific ☐ Localized action, change in regulatory control for small area ☐ Generic action

12. Identify the analysis year (or build year) for the proposed action: **2008 (shaft construction); 2009 (water main construction); 2012 (shaft and water main activation and operation)**

Would the proposal be implemented in a single phase? ☐ Yes ☒ No ☐ NA.

Anticipated period of construction: **Total of Six Years– Shaft Site 52 months (on-site), Water Main 35 months (off-site) (Shaft Site and Water Main Construction will partially overlap)**

Anticipated completion date: **05/11**

Would the proposal be implemented in multiple phases? ☒ Yes ☐ No ☐ NA.

Number of phases: **3**

Describe phases and construction schedule: **Phase I – Shaft and Distribution Chamber (27 months); Phase II Equipment Installation (17 months); Phase III – Off-site Water Main Construction (35 months)**

Directly Affected Area

INDICATE LOCATION OF PROJECT SITE FOR ACTIONS INVOLVING A SINGLE SITE ONLY (PROVIDE ATTACHMENTS AS NECESSARY FOR MULTIPLE SITES)

13a. LOCATION OF PROJECT SITE

East 59th Street at 1st Avenue, Manhattan, New York
STREET ADDRESS

Sidewalk area on Northwest corner of 59th Street and 1st Avenue adjacent to Queensboro Bridge
DESCRIPTION OF PROPERTY BY BOUNDING OR CROSS STREETS

C8 – 4 | **8d**
EXISTING ZONING DISTRICT, INCLUDING SPECIAL ZONING DISTRICT DESIGNATION IF ANY | ZONING SECTIONAL MAP NO.

Block 1434, Lot 1 | **Manhattan** | **8**
TAX BLOCK AND LOT NUMBERS | BOROUGH | COMMUNITY DISTRICT NO.

13b. PHYSICAL DIMENSIONS AND SCALE OF PROJECT

TOTAL CONTIGUOUS SQUARE FEET OWNED OR CONTROLLED BY PROJECT SPONSOR: **NA** SQ. FT.

PROJECT SQUARE FEET TO BE DEVELOPED: **2,827** SQ. FT. **(Subsurface footprint of shaft, footings and distribution chamber)**

GROSS FLOOR AREA OF PROJECT: **NA** SQ. FT.

IF THE ACTION IS AN EXPANSION, INDICATE PERCENT OF EXPANSION PROPOSED IN THE NUMBER OF UNITS, SQ. FT. OR OTHER APPROPRIATE MEASURE: **NA** % OF

DIMENSIONS (IN FEET) OF LARGEST PROPOSED STRUCTURE: **10 feet** HEIGHT; **14 inch diameter** WIDTH; LENGTH. **(above-ground air vent)**

LINEAR FEET OF FRONTAGE ALONG A PUBLIC THOROUGHFARE: **NA (below ground)**

13c. IF THE ACTION WOULD APPLY TO THE ENTIRE CITY OR TO AREAS THAT ARE SO EXTENSIVE THAT A SITE-SPECIFIC DESCRIPTION IS NOT APPROPRIATE OR PRACTICABLE, DESCRIBE THE AREA LIKELY TO BE AFFECTED BY THE ACTION: **NA**

13d. DOES THE PROPOSED ACTION INVOLVE CHANGES IN REGULATORY CONTROLS THAT WOULD AFFECT ONE OR MORE SITES NOT ASSOCIATED WITH A SPECIFIC DEVELOPMENT? ☐ Yes ☒ No

IF 'YES', IDENTIFY THE LOCATION OF THE SITES PROVIDING THE INFORMATION REQUESTED IN 13a & 13b ABOVE.

PART II, SITE AND Site Description

EXCEPT WHERE OTHERWISE INDICATED, ANSWER THE FOLLOWING QUESTIONS WITH REGARD TO THE DIRECTLY AFFECTED AREA. THE DIRECTLY AFFECTED AREA CONSISTS OF THE PROJECT SITE AND THE AREA SUBJECT TO ANY CHANGE IN REGULATORY CONTROLS.

ACTION DESCRIPTION

1. **GRAPHICS** Please attach: (1) a Sanborn or other land use map; (2) a zoning map; and (3) a tax map. On each map, clearly show the boundaries of the directly affected area or areas and indicate a 400-foot radius drawn from the outer boundaries of the project site. The maps should not exceed 8½ x 14 inches in size.

2. **PHYSICAL SETTING** (both developed and undeveloped areas)

Total directly affected area (sq. ft.): **9,200 (23 months)*** Water surface area (sq. ft.): **0**
Roads, building and other paved surfaces (sq. ft.): **9,200** Other, describe (sq. ft.): **0**
*** 7,400 sq. ft. for remaining period of shaft construction**
*** An additional 4,390 linear feet of temporary disturbance in the street bed will occur for water main construction.**

3. **PRESENT LAND USE**

Residential **NA**
Total no. of dwelling units _____ No. of low-to-moderate income units _____
No. of stories _____ Gross floor area (sq. ft.) _____
Describe type of residential structures: _____

Commercial **NA**
Retail: No. of bldgs _____ Gross floor area of each building (sq. ft.): _____
Office: No. of bldgs _____ Gross floor area of each building (sq. ft.): _____
Other: No. of bldgs _____ Gross floor area of each building (sq. ft.): _____
Specify type(s): _____ No. of stories and height of each building: _____

Manufacturing/Industrial **NA**
No. of bldgs _____ Gross floor area of each building (sq. ft.): _____
No. of stories and height of each building: _____
Type of use(s): _____ Open storage area (sq. ft.) _____
If any unenclosed activities, specify:

Community facility **NA**
Type of community facility: _____
No. of bldgs _____ Gross floor area of each building (sq. ft.): _____
No. of stories and height of each building: _____

Vacant land **NA**
Is there any vacant land in the directly affected area? ☐ Yes ☐ No
If yes, describe briefly:

Publicly accessible open space
Is there any existing publicly accessible open space in the directly affected area? ☒ Yes ☐ No
If yes, describe briefly: **Approximately 1,800 square feet of the site is part of the New York City 14 Honey Locusts Park**

Does the directly affected area include any mapped City, State or Federal parkland? ☐ Yes ☒ No
If yes, describe briefly: **14 Honey Locusts Park is not officially mapped as parkland.**

Does the directly affected area include any mapped or otherwise known wetland? ☐ Yes ☒ No
If yes, describe briefly:

Other land use
No. of stories **NA** Gross floor area (sq. ft.) **6,500**
Type of use: **Remaining area of site is fenced in and located adjacent to the New York City Department of Transportation Queensboro Bridge Engineer's Office. This area is used for storage and parking, and is mapped as sidewalk area. Water main construction would occur in the street bed.**

4. **EXISTING PARKING**

Garages **NA**
No. of public spaces: _____ No. of accessory spaces: _____
Operating hours: _____ Attended or non-attended? _____

Lots
No. of public spaces: **NA** No. of accessory spaces: **10**
Operating hours: **NA** Attended or non-attended? **Non-attended, not publicly accessible**

Other (including street parking) - please specify and provide same data as for lots and garages, as appropriate. **NA**

5. **EXISTING STORAGE TANKS NA**

Gas or service stations? ☐ Yes ☒ No Oil storage facility? ☐ Yes ☒ No Other
Number of tanks: Last NYFD inspection date: Location and depth of tanks:

SEE CEQR TECHNICAL MANUAL CHAPTER III F., HISTORIC RESOURCES

6. **CURRENT USERS**

No. of residents: **NA** No. and type of businesses: **1 ***

No. and type of workers by businesses: **NA** No. and type of non-residents who are not workers: **0**

*** New York City Department of Transportation Queensboro Bridge Engineer's Office**

7. **HISTORIC RESOURCES (ARCHITECTURAL AND ARCHAEOLOGICAL RESOURCES)**

Answer the following two questions with regard to the directly affected area, lots abutting that area, lots along the same blockfront or directly across the street from the same blockfront, and, where the directly affected area includes a corner lot, lots which front on the same street intersection.

Do any of the areas listed above contain any improvement, interior landscape feature, aggregate of landscape features, or archaeological resource that:

(a) has been designated (or is calendared for consideration as) a New York City Landmark, Interior Landmark or Scenic Landmark;
(b) is within a designated New York City Historic District;
(c) has been listed on, or determined eligible for, the New York State or National Register of Historic Places;
(d) is within a New York State or National Register Historic District; or
(e) has been recommended by the New York State Board for listing on the New York State or National Register of Historic Places?

Identify any resource: **(See attached Draft Scope of Work)**

SEE CEQR TECHNICAL MANUAL CHAPTER III K., WATERFRONT REVITALIZATION PROGRAM

Do any of the areas listed in the introductory paragraph above contain any historic or archaeological resource, other than those listed in response to the previous question? Identify any resource.

8. **WATERFRONT REVITALIZATION PROGRAM**

Is any part of the directly affected area within the City's Waterfront Revitalization Program boundaries? ☐ Yes ☒ No

(A map of the boundaries can be obtained at the Department of City Planning bookstore.)

If yes, append a map showing the directly affected area as it relates to such boundaries. A map requested in other parts of this form may be used.

Project Description

THIS SUBPART SHOULD GENERALLY BE COMPLETED ONLY IF YOUR ACTION INCLUDES A SPECIFIC OR KNOWN DEVELOPMENT AT PARTICULAR LOCATIONS

9. **CONSTRUCTION**

Will the action result in demolition of or significant physical alteration to any improvement? ☐ Yes ☒ No

If yes, describe briefly:

Will the action involve either above-ground construction resulting in any ground disturbance or in-ground construction? ☒ Yes ☐ No

If yes, describe briefly:

A section of the sidewalk area would be excavated to construct the subterranean vault and tunnel shaft. This section of the sidewalk would be restored to its original condition with an access shaft, air vent and hydrants located at grade level. Street disturbance would also occur for water main construction and would be restored following construction.

10. **PROPOSED LAND USE**

Residential **NA**

Total no. of dwelling units_____ No. of low-to-moderate income units_____ Gross floor area (sq. ft.)_____

No. of stories _____ Describe type of residential structures: _____

Commercial **NA**

Retail: No. of bldgs _____ Gross floor area of each building (sq. ft.): _____

Office: No. of bldgs _____ Gross floor area of each building (sq. ft.): _____

Other: No. of bldgs _____ Gross floor area of each building (sq. ft.): _____

Specify type(s):

No. of stories and height of each building: _____

Manufacturing/Industrial **NA**

No. of bldgs _____ Gross floor area of each building (sq. ft.): _____

No. of stories and height of each building: _____

Type of use(s): Open storage area (sq. ft.) _____ If any unenclosed activities, specify:

Community facility **NA**

Type of community facility: _____

No. of bldgs _____ Gross floor area of each building (sq. ft.): _____

No. of stories and height of each building: _____

Vacant land **NA**

Is there any vacant land in the directly affected area? ☐ Yes ☐ No If yes, describe briefly:

Publicly accessible open space
Is there any existing publicly accessible open space in the directly affected area? ☒ Yes ☐ No
If yes, describe briefly: **Approximately 1,800 square feet of 14 Honey Locusts Park would be used for construction staging for approximately 23 months.**

Does the directly affected area include any mapped City, State, or Federal parkland? ☐ Yes ☒ No
If yes, describe briefly: **Approximately 1,800 square feet of 14 Honey Locusts Park would be used for construction staging for approximately 23 months. The park is not officially mapped.**

Does the directly affected area include any mapped or otherwise known wetland? ☐ Yes ☒ No
If yes, describe briefly:

Other land use *****
Gross floor area (sq. ft.) No. of stories _____ Type of use:
*** Subterranean vault and tunnel shaft would be located below grade with an access hatch located at street level. Water mains would be located below the roadbed.**

11. **PROPOSED PARKING NA**

Garages
No. of public spaces: _____ No. of accessory spaces: _____
Operating hours: _____ Attended or non-attended? _____

Lots
No. of public spaces: _____ No. of accessory spaces: _____
Operating hours: _____ Attended or non-attended? _____

Other (including street parking) - please specify and provide same data as for lots and garages, as appropriate.
No. and location of proposed curb cuts:

12. **PROPOSED STORAGE TANKS NA**

Gas or service stations? ☐ Yes ☒ No Oil storage facility? ☐ Yes ☒ No Other? ☐ Yes ☒ No
If yes, specify: **No permanent storage tanks proposed. Possible temporary diesel storage tank during construction.**
Size of tanks: Location and depth of tanks:

13. **PROPOSED USERS NA**

No. of residents: No. and type of businesses: _____

No. and type of workers by businesses: No. and type of non-residents who are not workers: _____

SEE CEQR TECHNICAL MANUAL CHAPTER III B., SOCIO-ECONOMIC CONDITIONS

14. **HISTORIC RESOURCES (ARCHITECTURAL AND ARCHAEOLOGICAL RESOURCES)**
Will the action affect any architectural or archaeological resource identified in response to either of the two questions at number 7 in the Site Description section of the form? ☐ Yes ☒ No
If yes, describe briefly: **(See attached Draft Scope of Work)**

SEE CEQR TECHNICAL MANUAL CHAPTER III C., COMMUNITY FACILITIES & SERVICES

15. **DIRECT DISPLACEMENT**
Will the action directly displace specific business or affordable and/or low income residential units? ☐ Yes ☒ No
If yes, describe briefly:

16. **COMMUNITY FACILITIES**
Will the action directly eliminate, displace, or alter public or publicly funded community facilities such as educational facilities, libraries, hospitals and other health care facilities, day care centers, police stations, or fire stations? ☐ Yes ☒ No
If yes, describe briefly:

Zoning Information

17. What is the zoning classification(s) of the directly affected area?
C8-4

18 What is the maximum amount of floor area that can be developed in the directly affected area under the present zoning? Describe in terms of bulk for each use.
The maximum amount of floor area that can be developed in the zoning district for a similarly-sized site is 65,000 feet. However, the site is located in the sidewalk area adjacent to the Queensboro Bridge and is not developable.

19 What is the proposed zoning of the directly affected area?
No change in zoning is proposed.

20. What is the maximum amount of floor area that could be developed in the directly affected area under the proposed zoning? Describe in terms of bulk for each use.
No change in zoning is proposed.

21. What are the predominant land uses and zoning classifications within a 1/4 mile radius of the proposed action?
The predominant land uses located within a ¼ mile radius of the proposed action are multi-family residential, mixed residential and commercial, and transportation and utility.

The predominant zoning classifications located within a ¼ mile radius of the proposed action are R8, R8B, R10, C1-9, and C2-8.

Additional Information

22. Attach any additional information as may be needed to describe the action. If your action involves changes in regulatory controls that affect one or more sites not associated with a specific development, it is generally appropriate to include here one or more reasonable development scenarios for such sites and, to the extent possible, to provide information about such scenario(s) similar to that requested in the Project Description questions 9 through 16.

Analyses

23. Attach analyses for each of the impact categories listed below (or indicate where an impact category is not applicable):

a. LAND USE, ZONING, AND PUBLIC POLICY	See CEQR Technical Manual Chapter III.A.
b. SOCIOECONOMIC CONDITIONS	See CEQR Technical Manual Chapter III.B
c. COMMUNITY FACILITIES AND SERVICES	See CEQR Technical Manual Chapter III.C.
d. OPEN SPACE	See CEQR Technical Manual Chapter III.D.
e. SHADOWS	See CEQR Technical Manual Chapter III.E.
f. HISTORIC RESOURCES	See CEQR Technical Manual Chapter III.F.
g. URBAN DESIGN/VISUAL RESOURCES	See CEQR Technical Manual Chapter III.G.
h. NEIGHBORHOOD CHARACTER	See CEQR Technical Manual Chapter III.H.
i. NATURAL RESOURCES	See CEQR Technical Manual Chapter III.I.
j. HAZARDOUS MATERIALS	See CEQR Technical Manual Chapter III.J.
k. WATERFRONT REVITALIZATION PROGRAM	See CEQR Technical Manual Chapter III.K.
l. INFRASTRUCTURE	See CEQR Technical Manual Chapter III.L.
m. SOLID WASTE AND SANITATION SERVICES	See CEQR Technical Manual Chapter III.M.
n. ENERGY	See CEQR Technical Manual Chapter III.N.
o. TRAFFIC AND PARKING	See CEQR Technical Manual Chapter III.O.
p. TRANSIT AND PEDESTRIANS	See CEQR Technical Manual Chapter III.P.
q. AIR QUALITY	See CEQR Technical Manual Chapter III.Q.
r. NOISE	See CEQR Technical Manual Chapter III.R.
s. CONSTRUCTION IMPACTS	See CEQR Technical Manual Chapter III.S.
t. PUBLIC HEALTH	See CEQR Technical Manual Chapter III.T.

The CEQR Technical Manual sets forth methodologies developed by the City to be used in analyses prepared for the above- listed categories. Other methodologies developed or approved by the lead agency may also be utilized. If a different methodology is contemplated, it may be advisable to consult with the Mayor's Office of Environmental Coordination. You should also attach any other necessary analyses or information relevant to the determination whether the action may have a significant impact on the environment, including, where appropriate, information on combined or cumulative impacts, as might occur, for example, where actions are interdependent or occur within a discrete geographical area or time frame.

Applicant Certification

24. **Constance Vavilis**
PREPARER NAME

Project Manager
PREPARER TITLE

Constance Vavilis
PREPARER SIGNATURE

April 6, 2005
DATE

Emily Lloyd, Commissioner NYCDEP
PRINCIPAL

Angela Licata
NAME OF PRINCIPAL REPRESENTATIVE

Assistant Commissioner
TITLE OF PRINCIPAL REPRESENTATIVE

Angela Licata
SIGNATURE OF PRINCIPAL REPRESENTATIVE

April 6, 2005
DATE

NOTE: Any person who knowingly makes a false statement or who knowingly falsifies any statement on this form or allows any such statement to be falsified shall be guilty of an offense punishable by fine or imprisonment or both, pursuant to Section 10-154 of the New York City Administrative Code, and may be liable under applicable laws.

Impact Significance

PART III, ENVIRONMENTAL ASSESSMENT AND DETERMINATION

TO BE COMPLETED BY THE LEAD AGENCY

The lead agency should complete this Part after Parts I and II have been completed. In completing this Part, the lead agency should consult 6 NYCRR 617.7, which contains the State Department of Environmental Conservation's criteria for determining significance.

The lead agency should ensure the creation of a record sufficient to support the determination in this Part. The record may be based upon analyses submitted by the applicant (if any) with Part II of the EAS. The CEQR Technical Manual sets forth methodologies developed by the City to be used in analyses prepared for the listed categories. Alternative or additional methodologies may be utilized by the lead agency.

1. For each of the impact categories listed below, consider whether the action may have a significant effect on the environment with respect to the impact category. If it may, answer yes.

LAND USE, ZONING, AND PUBLIC POLICY	
SOCIOECONOMIC CONDITIONS	
COMMUNITY FACILITIES AND SERVICES	
OPEN SPACE	
SHADOWS	
HISTORIC RESOURCES	
URBAN DESIGN/VISUAL RESOURCES	
NEIGHBORHOOD CHARACTER	
NATURAL RESOURCES	
HAZARDOUS MATERIALS	
WATERFRONT REVITALIZATION PROGRAM	
INFRASTRUCTURE	
SOLID WASTE AND SANITATION SERVICES	
ENERGY	
TRAFFIC AND PARKING	
TRANSIT AND PEDESTRIANS	
AIR QUALITY	
NOISE	
CONSTRUCTION IMPACTS	
PUBLIC HEALTH	

2. Are there any aspects of the action relevant to the determination whether the action may have a significant impact on the environment, such as combined or cumulative impacts, that were not fully covered by other responses and supporting materials? If there are such impacts, explain them and state where, as a result of them, the action may have a significant impact on the environment.

3. If the lead agency has determined in its answers to questions 1 and 2 of this Part that the action will have no significant impact on the environment, a negative declaration is appropriate. The lead agency may, in its discretion, further elaborate here upon the reasons for issuance of a negative declaration.

4. If the lead agency has determined in its answers to questions 1 and 2 of this part that the action may have a significant impact on the environment, a conditional negative declaration (CND) may be appropriate if there is a private applicant for the action and the action is not Type I. A CND is only appropriate when conditions imposed by the lead agency will modify the proposed action so that no significant adverse environmental impacts will result. If a CND is appropriate, the lead agency should describe here the conditions to the action that will be undertaken and how they will mitigate potential significant impacts.

5. If the lead agency has determined that the action may have a significant impact on the environment, and if a conditional negative declaration is not appropriate, then the lead agency should issue a positive declaration. Where appropriate, the lead agency may, in its discretion, further elaborate here upon the reasons for issuance of a positive declaration. In particular, if supporting materials do not make clear the basis for a positive declaration, the lead agency should describe briefly the impact(s) it has identified that may constitute a significant impact on the environment.

SEE ATTACHED POSITIVE DECLARATION DATED APRIL 8, 2005

Lead Agency Certification

PREPARER NAME	NAME OF LEAD AGENCY REPRESENTATIVE
PREPARER TITLE	TITLE OF LEAD AGENCY REPRESENTATIVE
PREPARER SIGNATURE	SIGNATURE OF LEAD AGENCY REPRESENTATIVE
DATE	DATE

Land Use, Zoning, Neighborhood Character, and Community Facilities

See "Scope of Work"

Socioeconomic Conditions

See "Scope of Work"

Open Space

See "Scope of Work"

Shadows

The proposed project would not result in new structures or additions to existing structures that would result in shadows long enough to reach a park or existing natural feature. In addition, no significant shadows would be created during construction of the shaft or water main connections because the anticipated 10-foot high construction fencing or wall would not create significant shadows. Therefore, no potentially significant adverse impact would be expected to occur.

Historic and Archaeological Resources

See "Scope of Work"

Urban Design and Visual Resources

See "Scope of Work"

Natural Resources

No permanent change in natural resources would occur as a result of the proposed project. The shaft would be located mostly underground in an urban setting; an air vent and up to two hydrants would protrude upward from the shaft through the sidewalk. Two trees in Honey Locusts Park may be removed during construction. However the area would be restored after construction utilizing appropriate species in coordination with the New York City Department of Parks and Recreation and the New York City Department of Transportation. Water main construction would occur in the street and would not affect natural resources. In addition, no surface water discharges are anticipated during construction. For these reasons, the proposed project is not expected to have any adverse impacts on natural resources; therefore; no further analysis is required.

Water Resources

No permanent impacts to water resources are expected to occur as a result of the proposed project. No increase in potable water use would result, nor would any discharge to surface or groundwater result from operation of the shaft. During construction of the shaft and water main connections, groundwater would be sumped to local sewers. No untreated discharge to surface waters would occur. During activation of the shaft, any water discharged to the local combined sewer would be dechlorinated if necessary to meet NYCDEP sewer discharge requirements and would be further treated at the wastewater treatment plant. As a result, no impact to water

resources would be expected as a result of implementation of the proposed project and no further analysis is required.

Hazardous Materials

See "Scope of Work"

Waterfront Revitalization

The proposed site is not located within the NYC coastal zone; therefore an analysis of consistency with the NYC waterfront revitalization program is not required.

Infrastructure and Energy

See "Scope of Work"

Solid Waste and Sanitation Services

Because the facility is unmanned, no generation of solid waste would occur during operation of the shaft. Construction of Shaft 33B will require removal of 2,700 cubic yards of soil from the site. Construction of the water main connections would require removal of 20,500 cubic yards of material from the street. Solid waste generated during construction would be disposed of in a manner consistent with NYC regulations and at a permitted solid waste management facility. As a result, no impact to solid waste management or sanitation services would be expected to occur.

Traffic, Public Transportation, Pedestrian Movement, and Parking

See "Scope of Work"

Air Quality

See "Scope of Work"

Noise

See "Scope of Work"

Public Health

See "Scope of Work"