

NEW HAVEN CITY PLAN COMMISSION SITE PLAN REVIEW

RE: 180, 256, AND 260 WHITNEY AVENUE, 165 AND 223 PROSPECT STREET, AND 21 SACHEM STREET. Site Plan Review for interior renovations to the existing Kline Tower, the addition of two new vestibules on the ground floor, conversion of the 13th floor mechanical space to academic space and the enclosure of the existing penthouse and roof to create an additional floor of academic space. (Owner/Applicant: John Bollier for Yale University; Agent: Joe Schlosser of Yale University)

REPORT: 1564-02

ACTION: Approval with Conditions

STANDARD CONDITIONS OF APPROVAL

1. Pursuant to State Statute, this site plan and soil erosion and sediment control plan approval is valid for a period of five (5) years following the date of decision, until December 18, 2024. Upon petition of the applicant, the Commission may, at its discretion, grant extensions totaling no more than an additional five (5) years to complete all work connected to the original approval.
2. The applicant shall record on the City land records an original copy of this Site Plan Review report (to be provided by the City Plan Department) and shall furnish written evidence to the City Plan Department that the document has been so recorded (showing volume and page number), prior to City Plan signoff for building permits. A digital copy of the recorded report shall be provided to staff (.pdf).
3. Upon approval by the City Plan Commission, provide compiled digital copies of all application materials, including drawing sets and reports, to staff for filing (.pdf files) prior to City Plan signoff for building permits.
4. Signoff on final plans by the Greater New Haven Water Pollution Control Authority; City Engineer; Department of Transportation, Traffic, and Parking; City Plan Department; and Fire Marshal in that order shall be obtained prior to initiation of site work or issuance of building permit.
5. Construction Operations Plan/Site Logistics Plan, including any traffic lane/sidewalk closures, temporary walkways, detours, signage, haul routes to & from site, and construction worker parking plan shall be submitted to the Department of Transportation, Traffic and Parking for review and approval to prior to City Plan signoff on final plans for building permit.
6. A site bond will be required in conformity with Connecticut General Statutes Section 8-3(g). Bond, or other such financial instrument, shall be provided to the City Plan Department, in an amount equal to the estimated cost of implementation of erosion and sediment controls, plus 10 percent, prior to City Plan final sign-off on plans for building permit.
7. Any proposed work within City right-of-way will require separate permits.
8. Any sidewalks or curbs on the perimeter of the project deemed to be in damaged condition shall be replaced or repaired in accord with City of New Haven standard details.
9. Any proposed removals of street trees must be coordinated with the Department of Parks, Recreation, and Trees prior to sign-off for building permits.
10. Filing (with City Plan) and implementation of a Storm Drainage Maintenance Plan and Inspection Schedule is required.
11. Following completion of construction, any catch basins in the public right-of-way impacted by the project shall be cleaned, prior to issuance of Certificate of Occupancy.
12. As-built site plan shall be filed with City Plan Department, with a copy to the City Engineer, prior to issuance of Certificate of Occupancy. Site Plan shall be submitted in mylar and digital form (.pdf).

Submission: SPR Application Packet including DATA, WORKSHEET, SITE, and SESC forms.

NARRATIVE attached. Application fee: \$360. Received November 21, 2019.

- Kline Tower Renovation Haul Route Plan. Received November 21, 2019.
- Kline Tower Exterior Site Logistics. Received November 21, 2019.

- Drainage Study. Dated November 19, 2019. Received November 21, 2019. Revised December 2 and December 12, 2019.
- Application drawings. 40 sheets received November 21, 2019. Revisions received December 5 and December 12, 2019.
 - G-000: Cover Sheet.
 - VB101 & VT102: Surveys.
 - C-001 – C-202: Civil.
 - L-100 – L-302: Landscape Architecture.
 - I-1.00: Irrigation Plan.
 - A-101 – A-703: Architectural.
 - EP-010 – EP-101: Electrical.
 - SS-0: Solar Study.

PROJECT SUMMARY:

Project: Kline Tower Renovation
Address: 180, 256, and 260 Whitney Avenue, 165 and 223 Prospect Street, and 21 Sachem Street
Site Size:
Building size:
Zone: RH-2
Parking: No parking required (per NHZO Section 12(B)(1)(g))
Owner: John Bollier for Yale University **Phone:** (203) 432-6764
Applicant: Same as above
Agent: Joe Schlosser of Yale University **Phone:** (203) 432-0543
Site Engineer: Stantec **Phone:** (203) 495-1645

BACKGROUND

Previous CPC Actions:

CPC 1498-A: Core Addition to Kline Chem Lab (KCL). Approved July 18, 2012.

CPC 1485-01: Site Plan Review for underground vault for Sterling Chemistry Laboratory. Approved November 20, 2013.

CPC 1498-03: Site Plan Review for Sterling Chemistry Lab Renovation. Approved February 19, 2014.

CPC 1517-03: Site Plan Review for demolition of existing buildings and construction of a 280,300 SF Yale Science Building in an RH-2 zone. Denied Without Prejudice May 19, 2016.

CPC 1522-01: Site Plan Review for demolition of existing buildings and construction of a 280,300 SF Yale Science Building in an RH-2 zone. Approved September 21, 2016.

CPC 1554-02: Site Plan Review and Soil Erosion and Sediment Control Review for renovations to the Yale Peabody Museum of Natural History. Approved February 20, 2019.

Zoning:

The Site Plan as submitted meets the requirements of the New Haven Zoning Ordinance for the RH-2 zone.

Site description/existing conditions: The project site is occupied by Yale's Kline Tower. The Tower is located on a 24.4 acre zoning lot that contains several existing buildings in the center of Yale's Science Hill bounded by Prospect Street to the west, Edwards Street to the north, Whitney Avenue to the east, and Sachem Street to the south.

Proposed activity: The proposed project includes interior renovations to the existing Kline Tower (KT), the addition of two new vestibules on the ground floor, conversion of the 13th floor mechanical space to academic space and the enclosure of the existing penthouse and roof to create an additional floor of academic space. The project will add 22,635 SF to gross area to the building. Additional site work includes landscaping, drainage improvements, and the installation of walkways.

Bicycle parking: The applicant proposes to install bike racks to accommodate 78 bicycle spaces on site. Twenty-four (24) of the spaces will be covered.

Signage: None proposed.

Sec. 58 Soil Erosion and Sedimentation Control:

Class A (minimal impact)

Class B (significant impact)

Class C (significant public effect, hearing required)

Cubic Yards (cy) of soil to be moved, removed or added: 5,000 CY

Start Date: April 2020

Completion Date: Summer 2022

Responsible Party for Site Monitoring: Philip Katz of Stantec

This individual is responsible for monitoring the site to assure there is no soil or runoff entering City catch basins or the storm sewer system. Other responsibilities include:

- monitoring soil erosion and sediment control measures on a daily basis;
- assuring there is no dust gravitation off site by controlling dust generated by vehicles and equipment and by soil stockpiles during the construction phases;
- determining the appropriate response, should unforeseen erosion or sedimentation problems arise; and
- ensuring that SESC measures are properly installed, maintained and inspected according to the SESC Plan.

Should soil erosion problems develop (either by wind or water) following issuance of permits for site work, the named party is responsible for notifying the City Engineer within twenty-four hours of any such situation with a plan for immediate corrective action.

All SESC measures are required to be designed and constructed in accordance with the latest Standards and Specifications of the *Connecticut Guidelines for Soil Erosion and Sediment Control*.

**Sec. 60 Stormwater Management Plan: SUBMISSION MEETS REQUIREMENTS
REQUIRED DOCUMENTATION**

Soil characteristics of site;

Location of closest surface water bodies and depth to groundwater;

DEEP ground and surface water classification of water bodies;

Identification of water bodies that do not meet DEEP water quality standards;

Proposed operations and maintenance manual and schedule;

Location and description of all proposed BMPs;

Calculations for stormwater runoff rates, suspended solids removal rates, and soil infiltration rates;

Hydrologic study of pre-development conditions commensurate with conditions.

STANDARDS

Direct channeling of untreated surface water runoff into adjacent ground and surface waters shall be prohibited;

No net increase in the peak rate or total volume of stormwater runoff from the site, to the maximum extent possible, shall result from the proposed activity;

Design and planning for the site development shall provide for minimal disturbance of pre-development natural hydrologic conditions, and shall reproduce such conditions after completion of the proposed activity, to the maximum extent feasible;

Pollutants shall be controlled at their source to the maximum extent feasible in order to contain and minimize contamination;

Stormwater management systems shall be designed and maintained to manage site runoff in order to reduce surface and groundwater pollution, prevent flooding, and control peak discharges and provide pollution treatment;

Stormwater management systems shall be designed to collect, retain, and treat the first inch of rain on-site, so as to trap floating material, oil and litter;

- On-site infiltration and on-site storage of stormwater shall be employed to the maximum extent feasible;
- Post-development runoff rates and volumes shall not exceed pre-development rates and volumes for various storm events. Stormwater runoff rates and volumes shall be controlled by infiltration and on-site detention systems designed by a professional engineer licensed in the state of Connecticut except where detaining such flow will affect upstream flow rates under various storm conditions;
- Stormwater treatment systems shall be employed where necessary to ensure that the average annual loadings of total suspended solids (TSS) following the completion of the proposed activity at the site are no greater than such loadings prior to the proposed activity. Alternately, stormwater treatment systems shall remove 80 percent TSS from the site on an average annual basis; and
- Use of available BMPs to minimize or mitigate the volume, rate, and impact of stormwater to ground or surface waters.

**Sec. 60.1 Exterior Lighting: SUBMISSION MEETS REQUIREMENTS
REQUIRED SUBMISSION**

- Lighting Plan with location of all fixtures, type of fixture and mounting height of lights;
- Manufacturer specifications or cut-sheet for each fixture;.
- Photometrics.

STANDARDS

- Prevent or minimize direct glare and light trespass;
- All parking area lighting shall be full cut-off type fixtures and shall not exceed twenty (20) feet in height from the ground to the highest point of the fixture;
- Up lighting and high pressure sodium light sources are prohibited. Externally lit signs, display building, and aesthetic lighting must be lit from the top and shine downward and not sideward or upward. The lighting must be shielded to prevent direct glare and/or light trespass. The lighting must also be, as much as physically possible, contained within the target area;
- All building lighting for security or aesthetics shall be full cut-off or shielded type, not allowing any upward distribution of light. Floodlighting is discouraged, and if used, must be shielded to prevent: (a) disability glare for drivers or pedestrians, (b) light trespass beyond the property line, and (c) light above the horizontal plane;
- Where non-residential development is adjacent to residential property, no direct light source shall be visible at the property line at ground level or above; and
- High pressure sodium and flickering or flashing lights are prohibited.

Sec. 60.2 Reflective Heat Impact: Not applicable

Project Timetable: Construction is expected to begin in April 2020 and be completed by Summer 2022.

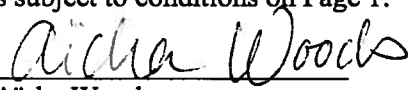
SITE PLAN REVIEW

Plans have been reviewed by the Site Plan Review team with representatives from the Departments of City Plan, City Engineer, Building, Disabilities Services and Transportation, Traffic and Parking and have been found to meet the requirements of City ordinances, regulations, and standard details.

SITE PLAN ACTION

The City Plan Commission approves the submitted Site Plans subject to conditions on Page 1.

ADOPTED: December 18, 2019
Edward Mattison
Chair

ATTEST: 
Aicha Woods
Executive Director, City Plan Department