



Environmental Protection

DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER & SEWER OPERATIONS

SITE CONNECTION PROPOSAL FORM
VALID FOR TWO (2) YEARS
[SC P-14962]



A. PROJECT DATA:

Borough of BROOKLYN Building Dept. No (s) 321588260
Tax Block 265 Lot (s) 10 Zoning C5-2A Map No. 16C
Project Location 57 Livingston Street
Applicant Langan Engineering, Environmental, Surveying, Landscape Architecture and Geology, DPC: Christopher Vitolano, PE
Address 360 W 31st Street, 8th Floor, New York, NY Zip 10001 Phone (212) 479 - 5400
Owner Packer Collegiate Institute
Address 57 Livingston Street Zip 11201 Phone (718) 250 - 0230

B. PROJECT USE:

TYPE: ☐ 1, 2, 3, Family ☐ Multiple Dwelling ☒ Commercial School-No kitchen
Number of Buildings 1 Total Number of Dwelling Units _____
Ownership: ☒ Fee Simple ☐ Condominium ☐ Home Owner Association ☐ Other _____

C. SITE CONNECTIONS REQUESTED:

Total Developed Site Storm Flow 2.36 cfs
Allow. Storm Flow to the Sewers 0.13 cfs
☒ Detention ☐ Retention

	Sanit.	Storm	Comb.	Drywells
No. Requested	<u>1</u>	<u>1</u>	<u>N/A</u>	<u>XXXXXX</u>
Size	<u>6-IN</u>	<u>6-IN</u>	<u>N/A</u>	<u>XXXXXX</u>
Material (s)	<u>DIP</u>	<u>DIP</u>	<u>N/A</u>	<u>XXXXXX</u>
Total Q (s)	<u>0.40 CFS</u>	<u>0.13 CFS</u>	<u>N/A</u>	<u>N/A</u>

D. CONNECTION INFO:

1. ☐ Connection to existing
☐ Spur ☐ Riser ☐ Curb Connection
2. ☐ Proposed New Riser
3. ☐ Fold Spur in -One 6" DIP Storm Connection to Existing 12-IN Combined Sewer.
4. ☒ Drill in (2 Total) -One 6" DIP Sanitary Connection to Existing 12-IN Combined Sewer.
5. ☐ M.H. Conn ☐ Exist ☐ Prop
6. ☐ Reuse Plugged Connections

E. SEWER DATA:

1. P.D. Plan No. N/A Date Approved N/A Expiration Date N/A
2. Date Construction Permit Was Issued N/A
3. Date Sewer Was Accepted By DEP N/A
4. Sanitary Discharge Tributary to: N/A

		Location
Private Sewage Treatment Plant	☒ No ☐ Yes	_____
Private Pumping Station	☒ No ☐ Yes	_____
Private Sewer	☒ No ☐ Yes	_____

F. LOCATION PLAN:

☐ As shown below ☒ See Attached Location Plan Attachment "F"

	THE TOTAL DEVELOPED SITE STORM FLOW OF 2.36 CFS WILL BE REDUCED TO A TOTAL FLOW OF 0.13 CFS BY MEANS OF STORM WATER FACILITIES AND CONTROLLED FLOW DEVICES.	

G. SUPPORT DOCUMENTS:

*1.	Site Plan – 6 copies with hydraulic calculations	✓	
*2.	Survey – 3 copies with watercourse stamp	✓	
*3.	Tentative Lot Number Request Form – Attached	✓	Not Applicable
α4.	Owners Consent for STP/PS Connection – Attached		Not Applicable ✓
5.	Department of Health Approval – Attached		Not Applicable ✓
6.	Department of Building Amendment Request – Attached		Not Applicable ✓
β7.	Condo/HOA Prospectus or Affidavit – Attached		Not Applicable ✓
8.	Industrial Waste Approval – Attached		Not Applicable ✓
9.	Associated Mapping/Demapping Action – Attached		Not Applicable ✓
10.	Builders Pavement Plan – Attached		Not Applicable ✓
11.	Boring Logs – Attached		Not Applicable ✓
12.	Other (Specify)		Attached

* Requires PE/RA Stamp and Original Signature (L.S. for Survey)
α Must Be Notarized
β Must be Notarized and have Corporate Seal Imposed

SEWER INFORMATION CERTIFIED BY D.E.P.

		PUBLIC	PRIVATE
1. There is <u>is not</u> a sanitary sewer fronting the property available for connections.	SIZE		
2. There is <u>is not</u> a storm sewer fronting the property available for connections.	SIZE		
3. There <u>is</u> is not a combined sewer fronting the property available for connections.	SIZE	12"	X
4. Sanitary discharge tributary to:	Location		
City Treatment Plant -	☐ NO	☒ YES	Red Hook
Private Sewage Treatment Plant -	☒ NO	☐ YES	
Private Pumping Station -	☒ NO	☐ YES	
5. Distance to, and location of nearest allowable drainage plan sewer:			
a) Sanitary Outlet			
b) Storm Outlet			N/A
c) Combined Outlet			

CERTIFICATION, RESTRICTIONS, SPECIAL CONDITIONS:

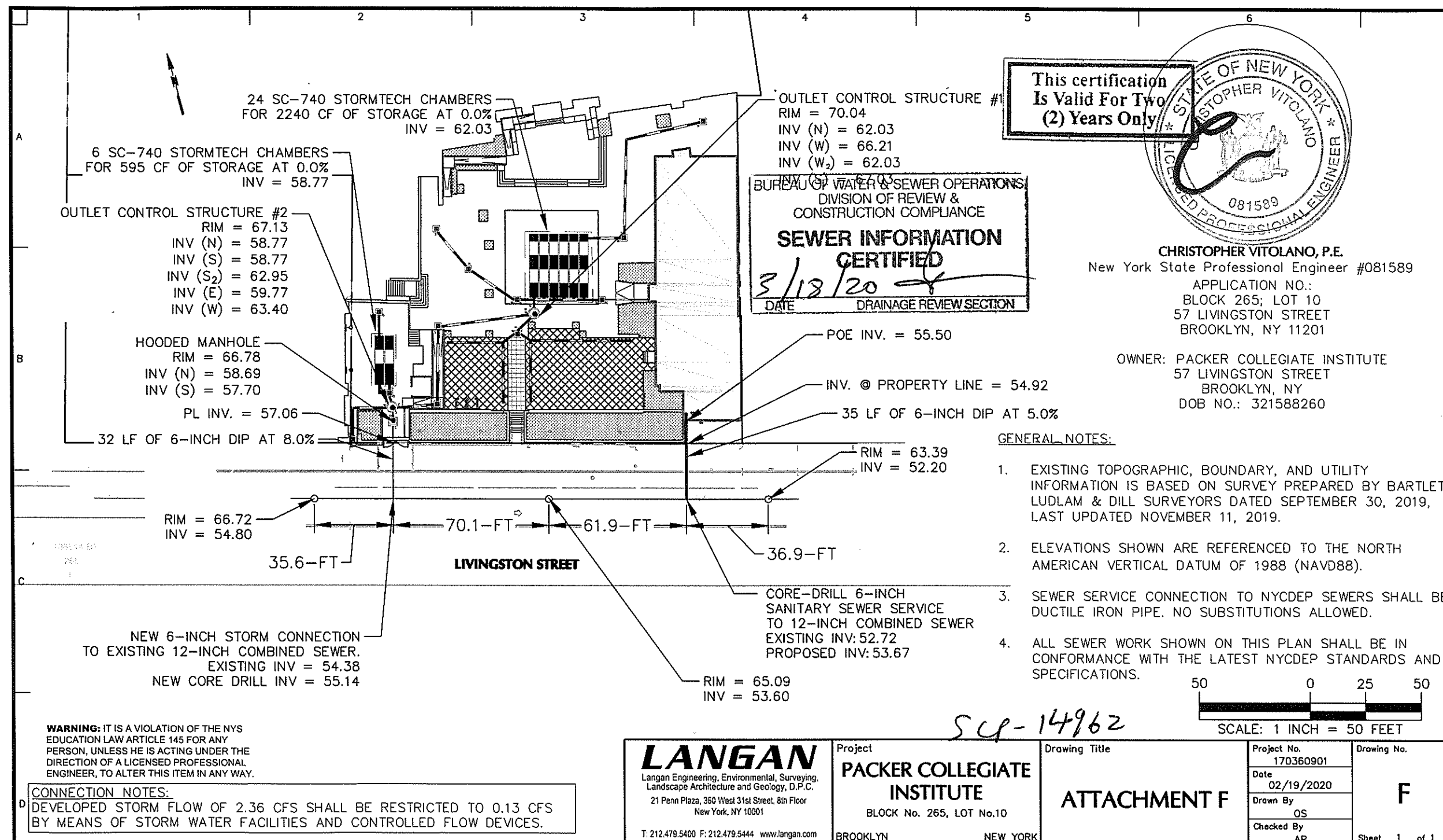
Certified in accordance with phase 1 of master plan SCP-14959 - MP – 57 Livingston Street dated 03/17/2020
No connection permit will be issued until:
▪ DOB certifies the detention facility has been satisfactorily installed.

BUREAU OF WATER & SEWER OPERATIONS
DIVISION OF REVIEW & CONSTRUCTION COMPLIANCE
SEWER INFORMATION
CERTIFIED
3/18/20
DATE
DRAINAGE REVIEW SECTION

This certification
Is Valid For Two
(2) Years Only

ADDITIONAL, INFORMATION, COMMENTS BY D.E.P. OFFICE:

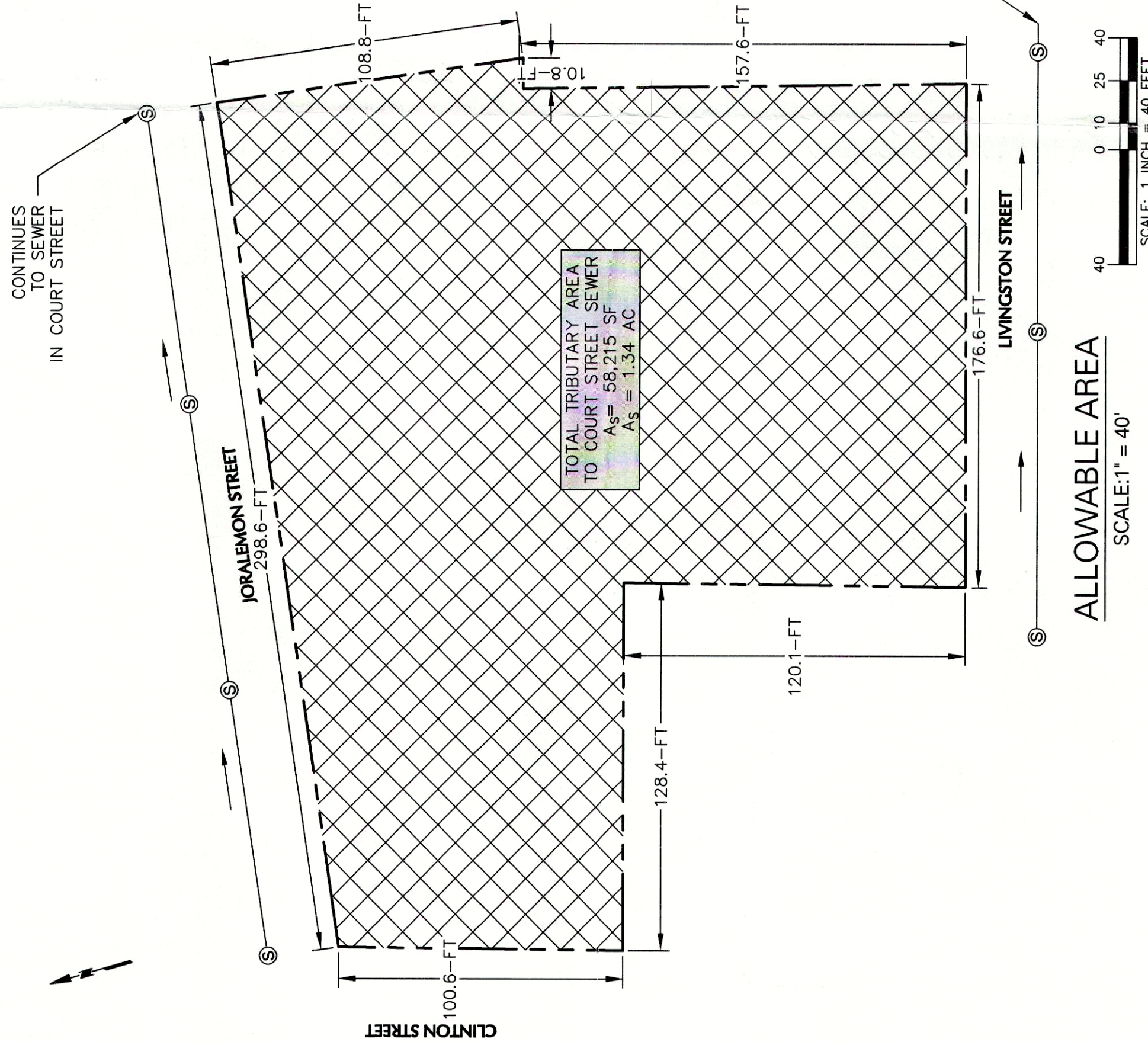
1.	Topo Map No.	Watercourse shown:	☐ YES	☐ NO
2.	Comments:			





AREA MAP
NOT TO SCALE

SOURCE:
NYCityMAP



GENERAL NOTES

1. EXISTING TOPOGRAPHIC, BOUNDARY AND UTILITY INFORMATION IS SHOWN FOR INFORMATION ONLY. THIS DOCUMENT IS PREPARED BY BARTLETT LUDLAM & BULL LAND SURVEYORS DATED SEPTEMBER 30, 2018, LAST UPDATED NOVEMBER 11, 2019.

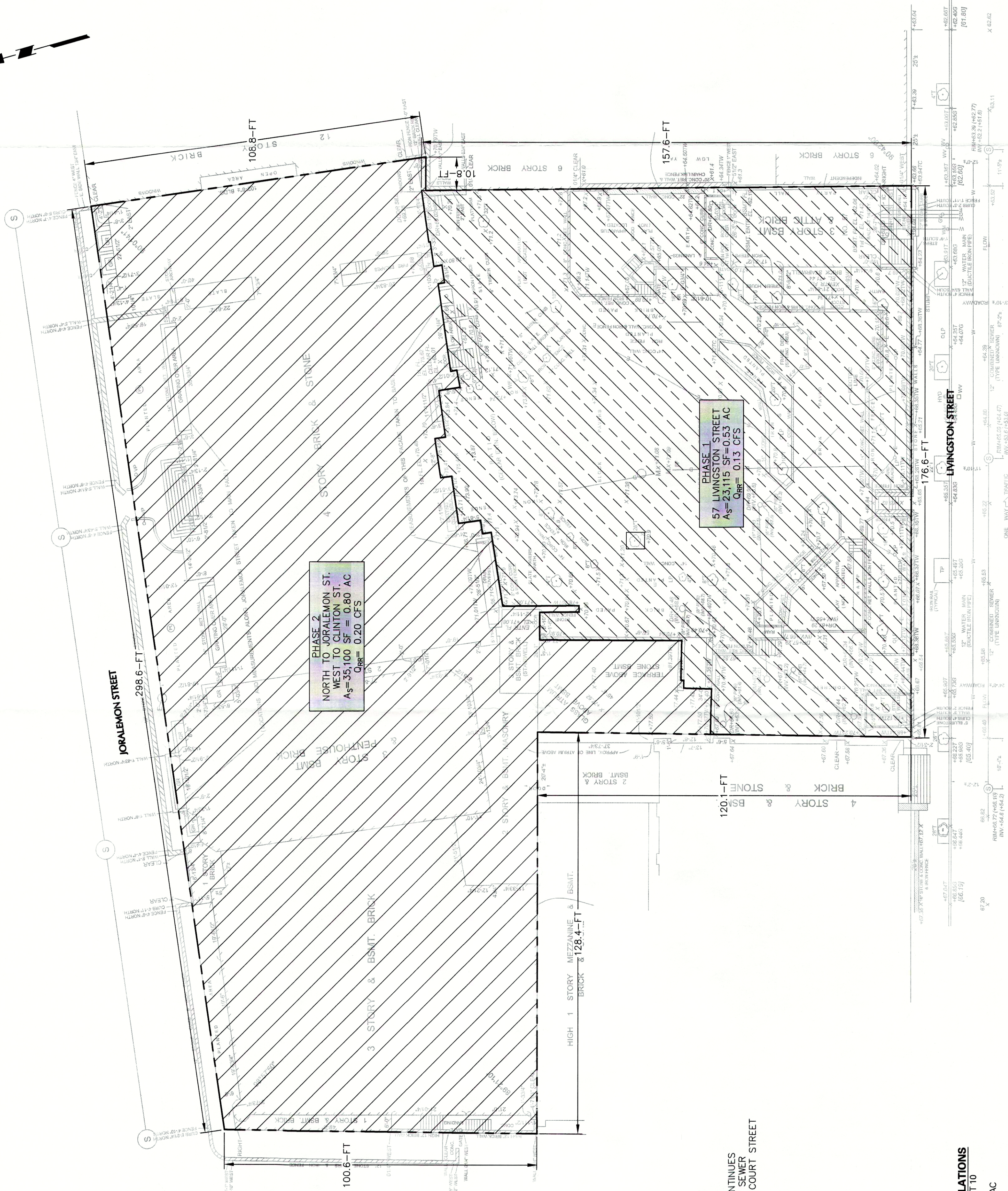
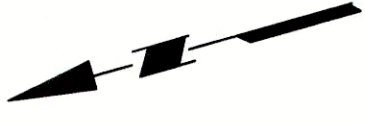
2. ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL DATUM 88 (NAVD88).

I, CHRISTOPHER VITOLANO, A LICENSED PROFESSIONAL ENGINEER, (NUMBER 081589) IN THE STATE OF NEW YORK, DO HEREBY CERTIFY THAT THE OFFICE WORK REQUIRED IN AND ABOUT THIS PLAN WAS DONE BY ME OR UNDER MY DIRECT SUPERVISION AND NO PART OF SAID WORK WAS DONE BY ANY EMPLOYEE OF THE CITY OF NEW YORK.



NYS LICENSED PROFESSIONAL ENGINEER NAME:
CHRISTOPHER VITOLANO
ADDRESS:
LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING, LANDSCAPE ARCHITECTURE AND GEOLOGY, D.P.C.
21 PENN PLAZA 380 W. 31ST STREET, 8TH FLOOR
NEW YORK, NY 10001
TELEPHONE NUMBER:
212-479-5400

DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER AND SEWER OPERATIONS
SITE PLAN - DRAINAGE MASTER PLAN
MP ID # DOB # 321588260

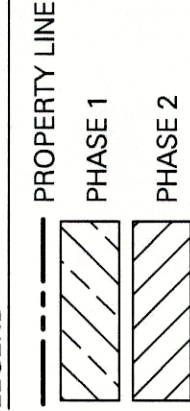


SITE PLAN

SCALE: 1" = 20'



LEGEND



SANITARY FLOW CALCULATIONS

PHASE 1:

ZONING: C5-2A

A₁ = 23,115 SF = 0.53 acres

Q = 1785 gpd / 0.53 acre = 150 gpd/acre

Q_{PH1} = 4" Q = 0.40 CFS

PHASE 2:

ZONING: C5-2A

A₁ = 35,100 SF = 0.80 acres

Q = 1785 gpd / 0.80 acre = 150 gpd/acre

Q_{PH2} = 4" Q = 0.60 CFS

TOTAL = 0.33 CFS

STORM FLOW CALCULATIONS

BROOKLYN BLOCK 266, LOT 10

TOTAL SITE AREA:

A₁ = 58,215 SF = 1.34 AC

ALLOWABLE SITE AREA:

A_{ALL} = 23,115 + 35,100 = 58,215 SF = 1.34 AC

TAX LOT Q_{ALL} = 58,215 SF / 17,400 = 3.34 CFS

STORMWATER RELEASE RATE:

Q_{PH} = GREATER OF: 25 CFS OR (0.10" Q_{ALL})

3.34" (0.10") = 0.33 > 0.25

Q_{PH} = 0.33 CFS

RELEASE RATE ALLOCATION:

PHASE 1 = 23,115 SF / 58,215 SF = 0.40

PHASE 1: Q_{PH1} = 0.40 * 0.33 CFS

PHASE 1: Q_{PH1} = 0.13 CFS

PHASE 2 = 35,100 SF / 58,215 SF = 0.60

PHASE 2: Q_{PH2} = 0.60 * 0.34 CFS

PHASE 2: Q_{PH2} = 0.20 CFS

PROJECT INFORMATION

BOROUGH:
BROOKLYN
ADDRESS:
PACKER COLLEGIATE INSTITUTE
BLOCK:
265
PRESENT LOTS:
10
TENTATIVE LOTS:
10
EXISTING ZONING:
C5-2A

DEVELOPMENT TYPE:
SCHOOL
OWNERSHIP TYPE:
FEE SIMPLE
STORM FLOW DETENTION NOTES
(IF APPLICABLE):
N/A

SANITARY FLOW:
NAME OF CITY TREATMENT PLANT:
RED HOOK WASTEWATER TREATMENT PLANT
DATUM:
NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD88)

OWNER'S NAME AND ADDRESS:
PACKER COLLEGIATE INSTITUTE
57 LIVINGSTON ST
BROOKLYN, NY 11201

APPLICANT INFORMATION

NAME:
CHRISTOPHER VITOLANO, P.E.
FIRM ORGANIZATION:
LANGAN ENGINEERING, ENVIRONMENTAL, SURVEYING
LANDSCAPE ARCHITECTURE AND GEOLOGY, D.P.C.
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NEW YORK, NY 10001

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212-479-5400

REVISIONS

6TH SUBMISSION

5TH SUBMISSION

4TH SUBMISSION

3RD SUBMISSION

2ND SUBMISSION

1ST SUBMISSION

02/19/2020

CERTIFICATION BOX
(DEP USE ONLY)

