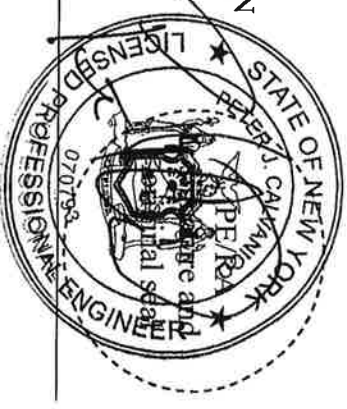




DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF WATER & SEWER OPERATIONS

Environmental
Protection

SITE CONNECTION PROPOSAL FORM
VALID FOR TWO (2) YEARS
[SCR-416/22]



Scan Code

ES920898843

PROJECT DATA:
Borough of STATEN ISLAND Building Dept. No (s) 540194742
Tax Block 41 Lot (s) 25 Zoning R3A Map No. 21C
Project Location 250 WESTERVELT AVENUE
Applicant PETER J. CALVANICO, P.E. (ROGERS CALVANICO GROUP, PLLC)
Address 2420 ARTHUR KILL ROAD, S.I., N.Y. Zip 10309 Phone (718) 494-0444
Owner EDWARD ALTMAN
Address 1822 HARING STREET, BROOKLYN, N.Y. Zip 11229 Phone (917) 292-1550

PROJECT USE:
TYPE: ☒ 1, 2, 3, Family ☐ Multiple Dwelling ☐ Commercial
Number of Buildings 1 Total Number of Dwelling Units 1
Ownership: ☒ Fee Simple ☐ Condominium ☐ Home Owner Association ☐ Other

SITE CONNECTIONS REQUESTED:
Total Developed Site Storm Flow 0.173 cfs
Allow. Storm Flow to the Sewers N.A. cfs
☐ Detention ☒ Retention
Requested (1) N.A. N.A. (1)
6" DIA. N.A. N.A. 8'Ø x 8'
Material (s) E.H.C.I. N.A. N.A. DEEP
Total Q (s) 0.0027 CFS N.A. N.A. 0.173 CFS
Note: The property owner is responsible for plugging all inactive pre-existing sewer connections.

D. CONNECTION INFO:
1. ☐ Connection to existing ☐ Spur ☐ Riser ☐ Curb Connection
2. ☐ Proposed New Riser
3. ☐ Fold Spur in
4. ☐ Drill in
5. ☐ M.H. Conn ☐ Exist ☐ Prop
6. ☐ Reuse Plugged Connections (1) SANITARY
7. ☒ 5' LONG 10" EXTENSION SPUR WITH 6" SPUR

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 N.A.
Private Pumping Station ☒ No ☐ Yes N.A.
Private Sewer ☒ No ☐ Yes N.A.

F. LOCATION PLAN: ☐ As shown below ☒ See Attached Location Plan Attachment "F"
WESTERVELT AVENUE
TAFI AVENUE
LOT: 25
HSE: 250
101.46'
25.02'
102.60'
25.0'
Block: 41
LAYTON AVENUE
BISMAR AVENUE

G. SUPPORT DOCUMENTS:

*1.	Site Plan – 6 copies with hydraulic calculations	ATTACHED
*2.	Survey – 3 copies with watercourse stamp	ATTACHED
*3.	Tentative Lot Number Request Form – Attached	
*4.	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
*7.	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) TAX MAP, PD-1'S, INDEX MAP, 1910 TOPO, AS BUILTS, Attached	X

* Requires PE/RA Stamp and Original Signature (L.S. for Survey)

α Must Be Notarized

ß Must be Notarized and have Corporate Seal Imposed

SEWER INFORMATION CERTIFIED BY D.E.P.

			PUBLIC	PRIVATE
1.	There is is not a sanitary sewer fronting the property available for connections.	SIZE	8"	X
2.	There is is not a storm sewer fronting the property available for connections.	SIZE		
3.	There is is not a combined sewer fronting the property available for connections.	SIZE		
4.	Sanitary discharge tributary to:	Location		

City Treatment Plant -				
Private Sewage Treatment Plant -				
Private Pumping Station -				

5. Distance to, and location of nearest allowable drainage plan sewer:

- a) Sanitary Outlet
- b) Storm Outlet
- c) Combined Outlet
- NO

NO

NO

X

X

X

YES

YES

YES
- Port Richmond

CERTIFICATION, RESTRICTIONS, SPECIAL CONDITIONS:

* No connection permit issued until DOB certifies the retention facility is satisfactorily installed.

NYC

Environmental Protection

CITY OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL PROTECTION

SEWER INFORMATION CERTIFIED
REVIEW UNIT

DIGITALLY SIGNED BY:
Bhim Neupane

DATE CERTIFIED: 02/18/2022

CERTIFICATION EXPIRES: 02/18/2024

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

1. Topo Map No.
2. Comments:
- Watercourse shown:
- YES

NO

HYDRAULIC CALCULATIONS FOR SD 1&2 (HCP)	
(FOR N.Y.C. D.E.P. USE ONLY)	
LOT AREA:	2,551 S.F. = 0.059 ACRE
ZONE:	R3-A
# OF PERSONS PER ACRE:	50
GALLONS PER PERSON PER DAY:	150
SANITARY:	
Q avg =	$0.059 \times 50 \times 150 = 0.0007 \text{ C.F.S.}$
Q peak =	$Q \text{ avg} \times 4 = 0.0027 \text{ C.F.S.}$
CAPACITY OF PROPOSED 6" E.H.C.I. SANITARY CONN. @ 0.10 FT/FT:	
Q = A x V =	$A \times 1.486 \times R^{2/3} \times S^{1/2} = 0.196 \times 1.486 \times (0.123)^{2/3} \times (0.10)^{1/2}$
Q =	1.77 C.F.S. > 0.0027 C.F.S.
STORM:	
ROOF AREA:	509 SF
PAVED AREA:	519 SF
GRASS AREA:	1,523 SF
TOTAL:	2,551 SF
	(=0.059 ACRES)
Cw =	$509(1.0) + 519(0.85) + 1,523(0.20) = 0.492$
Q (TOTAL) =	$0.492 \times 5.95 \times 0.059 = 0.173 \text{ C.F.S.}$
100% OF SITE STORM FLOW TO BE DISPOSED OF ON SITE VIA DRYWELLS	

WESTERVELT AVENUE AREA BREAKDOWN SKETCH

SCALE: N.T.S.

NOTE: TIE ALL ROOF LEADERS, ZIPPER DRAINS,
AND YARD DRAINS INTO DRYWELL.

ALL DRYWELLS TO BE
5' MIN. FROM PROP.
LINES AND 10' MIN.
FROM BLDG. FND.
SEE DETAIL SHEET
FOR SIZE AND DEPTH.

CONCRETE CURB WALL TO
CONTINUE TO A POINT WHERE
PROPOSED GRADES ALIGN
WITH EXISTING GRADES ON
ADJOINING PROPERTY.
BUILDER WILL NOT DISTURB
GRADES ON ADJOINING PROPERTY.
REFER TO DETAIL FOR CONSTR.
OF CONCRETE CURB WALL.

BUILDER TO ENSURE THAT WORK DONE UNDER THESE
APPLICATIONS WILL HAVE NO ADVERSE EFFECT ON ANY
SURROUNDING PROPERTIES CONCERNING STORM WATER
DRAINAGE. FURTHERMORE THE BUILDER WILL INSTALL
REQUIRED CURB WALLS AS REQUIRED PER FIELD
CONDITIONS.

6" DIA. STW @ 1.1% MIN. & 10.0%
MAX. SLOPE. (TYPICAL FOR OUTLET
PIPES TO DRYWELLS). ALL OTHER
PIPING TO BE 4" DIA. @ 2.0%
MINIMUM SLOPE.

NOTE: ALL SANITARY & STORM
DRAINS TO REMAIN SEPARATE
WHERE THEY ARE SHOWN CROSSING
ON PLAN.

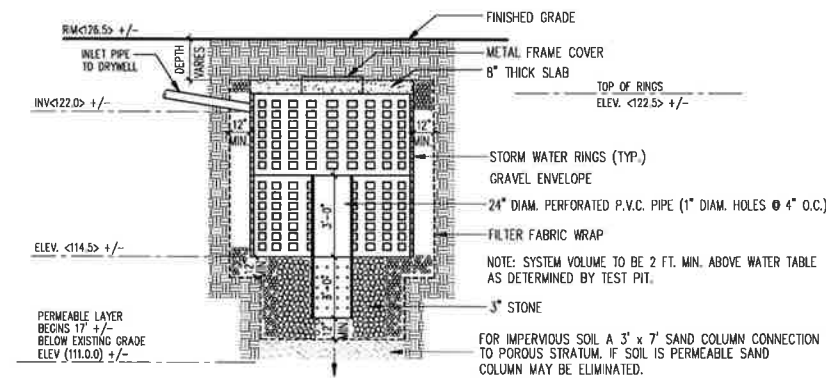
FLOW RATE TO THE DRYWELLS IS PER DEP
REQUIREMENTS AND DRYWELLS ARE IN
COMPLIANCE WITH DOB RULES.

CONC. CURB WALL (C.W.)
SEE DETAIL W/C.N. (IF APPLICABLE)
WHERE GRADE DIFFERENCE
IS LESS THAN 2' (N.T.S.)

(1) 8" DIA. x 8' DEEP D.W.
(W/ 3" x 7" SAND COLUMN AS
REQUIRED.)

SITE PLAN

SCALE: 1"=15'-0"



NO GROUND WATER TABLE ENCOUNTERED IN 45' DEEP BORINGS.

SOIL TYPE UNDERLYING SITE: SM 3a (7-65)

DETERMINED BY SOIL BORING DATED 1/12/22

REQUIRED SYSTEM CAPACITY = $0.167/24 \text{ HRS.} \times 2,551 \text{ S.F.} = 426 \text{ C.F.}$

STORAGE CAPACITY = $\frac{426 \text{ C.F.}}{(\text{REQ'D SYSTEM CAPACITY})} - \left[\frac{0.00 \times 1440 \text{ MIN. /DAY}}{(\text{PERC. RATE G.P.M.})} \right] / 7.48 \text{ GAL/C.F.}$

STORAGE CAPACITY = $\frac{426 \text{ C.F.}}{(\text{REQ'D SYSTEM CAPACITY})} = 0.75 \times \text{STORAGE CAPACITY} = 320 \text{ C.F.}$

REQUIRED CAPACITY OF PRECAST DRAIN RINGS = $0.75 \times \text{STORAGE CAPACITY} = 320 \text{ C.F.}$

USE: (1) 8" DIA. x 8' DEEP RING = 338 C.F.

REQUIRED STONE VOLUME = $\frac{426 \text{ C.F.}}{(\text{STORAGE CAPACITY})} = \frac{338 \text{ C.F.}}{(\text{RING CAPACITY})} = 68 \text{ C.F.}$

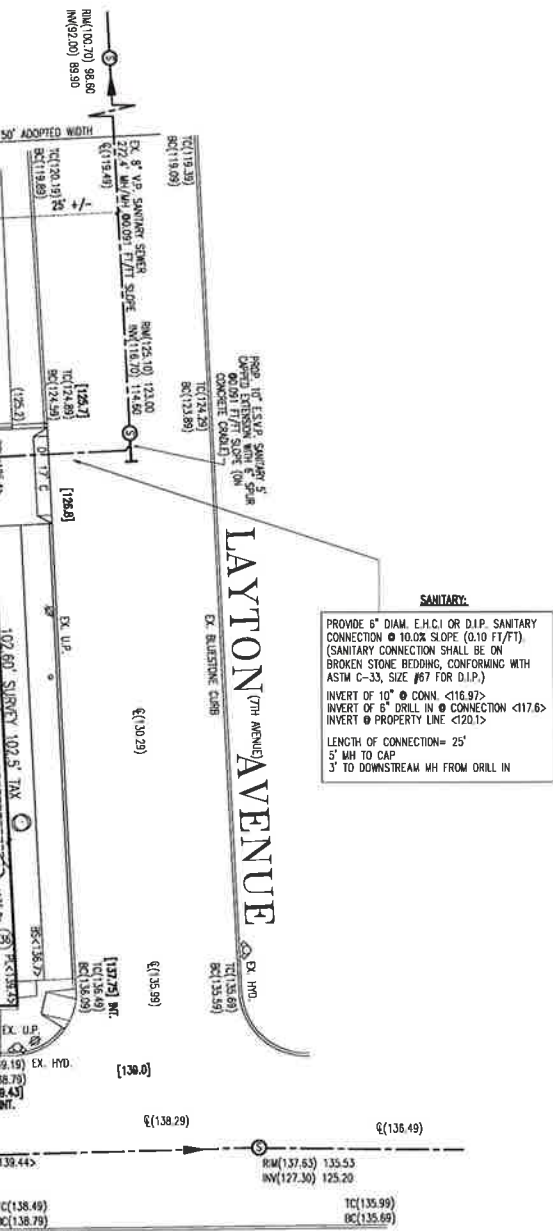
REQUIRED AMOUNT OF STONE = REQUIRED STONE VOLUME x 3 = 264 C.F. = 29 C.Y.

USE 1 FT. STONE COLLAR

DRYWELL DETAILS & CALC.

N.T.S.

SCR-416/22



CITY OF NEW YORK
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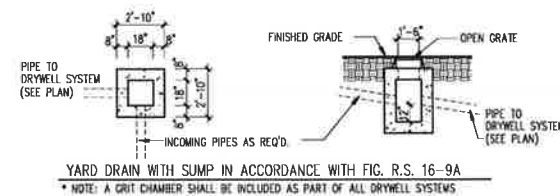


TABLE R.S. 16-21 MIN. DIST. BETWEEN SEWAGE SYSTEM COMPONENTS AND BETWEEN COMPONENTS AND INCUMBRANCES						
SYSTEM COMPONENTS	BUILDING FND. WALL	PROPERTY LINE	DISPOSAL FIELD	SEEPAGE PITS	DRYWELLS	WATER SERVICE
SEPTIC TANK	10 FT.	10 FT.	5 FT.	5 FT.	20 FT.	10 FT.
DISPOSAL FIELD	20 FT.	10 FT.	5 FT.	5 FT.	20 FT.	10 FT.
SEEPAGE PITS	20 FT.	10 FT.	5 FT.	5 FT.	20 FT.	10 FT.
DRYWELLS	10 FT.	5 FT.	20 FT.	20 FT.	20 FT.	10 FT.

GENERAL DATA

BLOCK 41
LOTS 25
HOUSE 250 WESTERVELT AVENUE
MAP 21C
ZONE R3A
COMMUNITY BOARD 501
SPECIAL ZONING DISTRICT HILLSIDES PRESERVATION DISTRICT (TIER 2)
INSIDE FIRE DISTRICT
OUTSIDE WETLANDS
OUTSIDE FLOOD HAZARD
INSIDE LOWER DENSITY GROWTH MANAGEMENT AREA

LEGEND

[] LEGAL GRADE
< > PROPOSED GRADE
() EXISTING GRADE
ALL ELEVATIONS REFER TO THE NORTH AMERICAN
VERTICAL DATUM OF 1988 (N.A.V.D. 88), WHICH IS
2.1' ABOVE THE BOROUGH SEWER DATUM EXCEPT
AS NOTED BELOW.
XXXXX BOROUGH DATUM

TREE LEGEND

○ NEW TREE TO BE PLANTED
3" CAL. AT TIME OF PLANTING
⊗ EXISTING TREE TO REMAIN
⊗ EXISTING TREE TO BE REMOVED

SITE PLAN NOTES

FIRE HYDRANT TO BE LOCATED WITHIN 250 FT. OF BLDG. ENTRANCE.
NO CRANE SHALL BE OPERATED ON THIS LOT WITHOUT A "CERTIFICATE
OF ON-SITE INSPECTION".
PROPOSED CONSTRUCTION WILL NOT HAVE ANY EFFECT ON EXISTING
STRUCTURES OR SURFACE FACILITIES LOCATED ON ADJACENT LOTS.
OWNER/BUILDER OF THE REFERENCED PROPERTY STATE THAT WORK
DONE UNDER THIS APPLICATION WILL HAVE NO ADVERSE EFFECT ON
ANY SURROUNDING PROPERTIES CONCERNING STORM WATER DRAINAGE.
MOREOVER, HE WILL BE RESPONSIBLE TO MAKE CERTAIN THAT WHILE
THE WORK IS BEING DONE, THE SURROUNDING PROPERTIES WILL BE
PROTECTED FROM STORM WATER DRAINAGE.
FINAL SURVEY TO SHOW GRADES AT ALL POINTS WHERE PROPOSED
GRADES ARE SHOWN ON PLAN.
ALL YARDS WITH SLOPE IN EXCESS OF 3% TO BE SODDED, ALL
OTHER YARDS TO BE SEEDED.
AT A HEIGHT OF NO MORE THAN TWELVE FEET ABOVE GROUND AND
ON EACH PERIMETER OF A CONSTRUCTION SITE FRONTING ON A PUBLIC
THOROUGHFARE, A SIGN SHALL BE ERRECTED NO MORE THAN TWENTY-FIVE
SQUARE FEET IN SIZE WHICH SHALL BEAR IN LETTERS NO LESS THAN SIX
INCHES HIGH, THE NAME, ADDRESS AND TELEPHONE NUMBER OF THE
OWNER OF THE PROPERTY, AND THE NAME, ADDRESS AND TELEPHONE
NUMBER OF THE GENERAL CONTRACTOR.
THIS IS TO CERTIFY THAT THERE ARE NO STREAMS NOR NATURAL
WATER COURSES ON THIS PROPERTY.
CONSTRUCTION FENCE SHALL BE AT LEAST 8 FEET HIGH, AND
CONSTRUCTED OF WOOD OR OTHER SUITABLE MATERIAL. THEY SHALL BE
BUILT SOLID FOR THEIR ENTIRE LENGTH, EXCEPT FOR OPENINGS WITH
SOLID SLIDING OR IN SWINGING GATES AS ARE REQUIRED FOR THE
PROPER PROSECUTION OF THE WORK, AND FOR VIEWING PANELS, WHICH
SHALL BE BLOCKED WITH PLEXIGLAS OR EQUIVALENT NONFRANGIBLE
MATERIAL.
THE FENCE SHALL BE CONSTRUCTED ALONG THE INSIDE EDGE OF THE
SIDEWALK, WALKWAY OR TEMPORARY SIDEWALK. IF PERMISSION TO
CLOSE THE SIDEWALK HAS BEEN OBTAINED FROM THE D.O.T., SUCH FENCE
MAY BE ERRECTED ALONG THE CURB OR OUTSIDE OF THE CURB TO SUCH
EXTENT AS APPROVED BY THE D.O.T. THE FENCE SHALL BE RETURNED
AT ITS ENDS TO THE EXTENT NECESSARY TO EFFECTIVELY CLOSE OFF THE
SITE.

REV.	DATE	BY	DESCRIPTION

ROGERS CALVANICO GROUP
ARCHITECTURAL, ENGINEERING & LAND SURVEYING

2420 ARTHUR KILL ROAD, SECOND FLOOR
STATEN ISLAND, N.Y. 10309
(718) 494-0444 / (718) 317-6900

PROJECT
**250 WESTERVELT AVENUE
FOR: E. ALTMAN**

DRAWING TITLE
SITE PLAN

SEAL & SIGNATURE	DATE 1/27/22
PROJECT NO. 8231	DRAWING BY AD, DJN
CHECKED BY	DRAWING NO. C-001.00
CADD FILE NO. F:CAD/8231/8231CSD	

[illegible]

NOTE: The Underground Utility Information Shown Hereon Is One Of Several Respective Utility Companies.
Rogers Surveying, PLLC, Assumes No Responsibility For The Actual Location, Size, And Depth Of Any Utility Lines.
Be Verified With The Respective Utility Prior To Any Design And Construction Or Excavation.

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LEGAL GRADE SHOWN THUS . . . [X,X]
EXISTING GRADES SHOWN THUS . . . (X,X)
PROPOSED GRADES SHOWN THUS . . . <X,X>
GROUND ELEVATIONS SHOWN THUS . . . X,X

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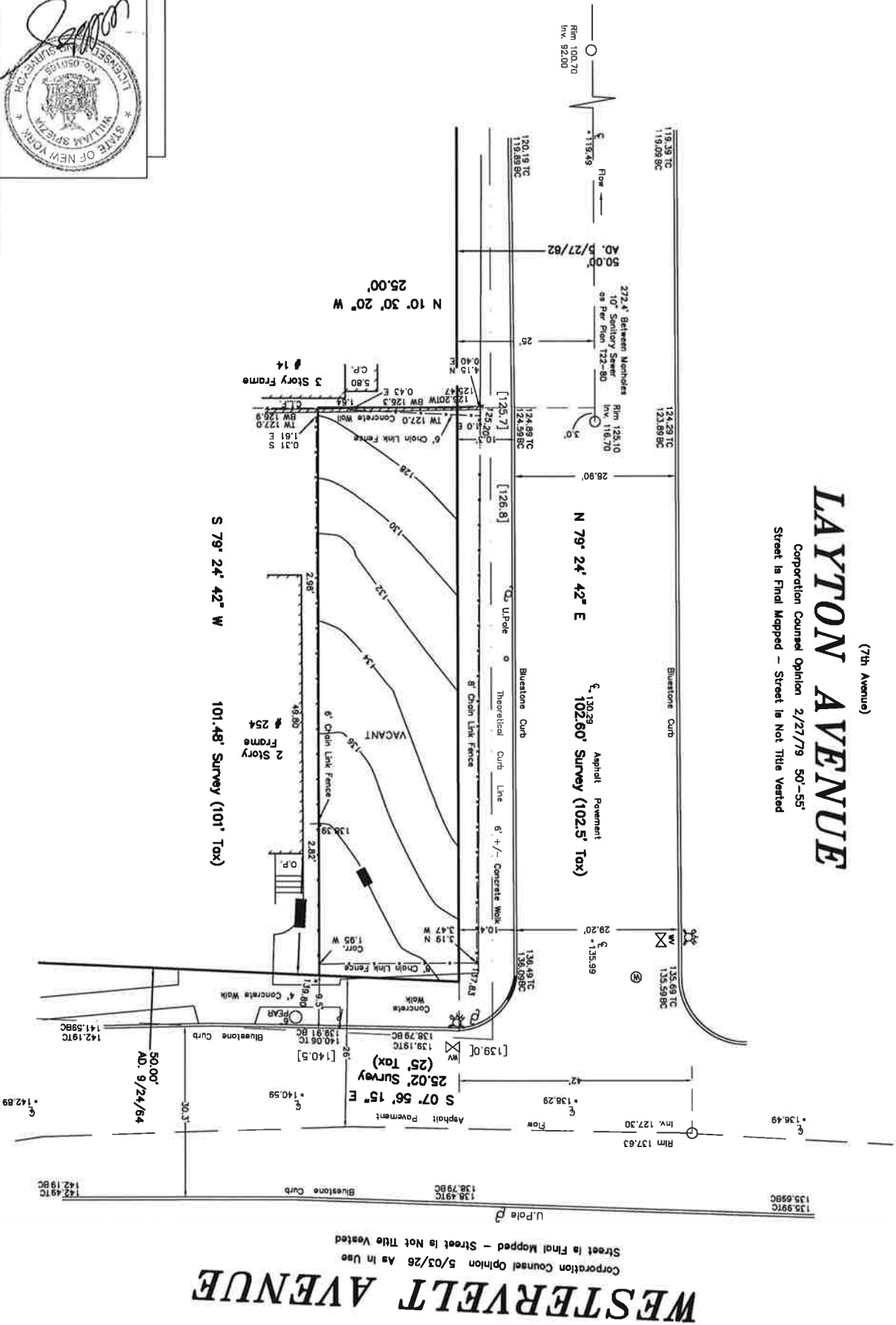
THE INFORMATION DEPICTED ON THIS MAP REPRESENTS THE RESULTS OF SURVEYS MADE ON THE DATES INDICATED AND CAN ONLY BE CONSIDERED AS INDICATING THE GENERAL CONDITIONS EXISTING AT THAT TIME.

DATA NOTE:
COORDINATES AND BEARINGS SHOWN ARE REFERENCED TO THE BROUGH
OF STAIN ISLAND, AS ESTABLISHED BY THE U.S. COAST & GEODETIC
SURVEY BOAT SYSTEM).
ELEVATIONS SHOWN ARE REFERENCED TO THE NORTH AMERICAN VERTICAL
DATUM OF 1988 (NAVD 88).

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IT IS A VIOLATION OF THE LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF THE LICENSED LAND SURVEYOR, TO ALTER AN ITEM IN ANY WAY, IF AN ITEM BEARING THE PROFESSIONAL SEAL OF THE LICENSED LAND SURVEYOR IS ALTERED, THE ALTERING LAND SURVEYOR SHALL AFFIX TO HIS ITEM HIS SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS SIGNATURE AND THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

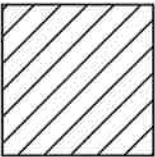
Map of Survey
St. George
June 7, 2002
Tax Lots 25
Tax Block 41
Filed Map Lots 297
Filed Map Block
Filed Map 399
Deed
Borough of Staten Island
County of Richmond
New York, NY



HILLSIDE PRESERVATION COMPUTATIONS:

$$100 \times \frac{A}{11} = S$$

S = AVG. SLOPE
I = CONTOUR INTERVAL (FEET)
L = LENGTH OF CONTOUR LINE
A = NET LOT AREA (FEET)

$$S = \frac{2(220)}{2267} \times 100$$


25% & Greater Slope

LOT AREA = 2551 Sq. Ft.

88 N A V D

THIS IS TO CERTIFY THAT THERE ARE NO
STREAMS OR WATERCOURSES ON THE PROPERTY
SHOWN ON THIS SURVEY.

Revised	4617	5/10/78	Print
Local Upgrade & NAYD RM	45957	6/10/78	Print
Local Upgrade & NAYD RM	37111	4/03/78	Print
Removed Former Adopted Line			
Added Mileage Survey			

Staten Island, New York

ROGERS SURVEYING, PLLC

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526/Prd	MINISTRE DE L'ÉDUCATION
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