

SEWER SELF CERTIFICATION

DEPARTMENT OF ENVIRONMENTAL PROTECTION  
BUREAU OF WATER & SEWER OPERATIONS



HOUSE CONNECTION PROPOSAL FORM

For 1, 2-, or 3- Family Home Only

HC - /

VALID FOR TWO (2) YEARS

PROJECT DATA:

Borough of BROOKLYN Building Dept. No (s) 321433631  
Tax Block 8845 Lot (s) 1902 Zoning R4 Map No. 29A  
Project Location 3014 GERRITSEN AVENUE, WEST SIDE - 40'-0" S OF LOIS AVENUE  
Site Area 1,800.00 (sq. ft.) Attached NYC Water Board Review Fee \$ 200.00

1. PLAN

SEE ATTACHMENT 'F'

All House Connections Must Be Gravity Lines Only

2. HOUSE CONNECTIONS REQUESTED:

Total Developed Site Storm Flow 0.159 cfs  
Allow. Storm Flow to the Sewers NA cfs  
☐ Detention ☒ Retention (100%)  

|               | Sanitary      | Storm | Comb. | Drywells       |
|---------------|---------------|-------|-------|----------------|
| No. Requested | <u>1</u>      |       |       | <u>XXXXXXX</u> |
| Size          | <u>6"</u>     |       |       | <u>XXXXXXX</u> |
| Material (s)  | <u>XHCI</u>   |       |       | <u>XXXXXXX</u> |
| Total Q (s)   | <u>0.0038</u> |       |       | <u>0.159</u>   |

Note: The property owner is responsible for plugging all inactive pre-existing sewer connections.

3. CONNECTION INFO:

- ☐ Connection to exist:  
☐ Spur ☐ Riser ☐ Curb Connection
- ☐ Proposed New Riser
- ☐ Fold Spur in
- ☒ Drill in
- ☐ Reuse Plugged Connections

4. SUPPORT DOCUMENTS:

- \*1. Site Plan – 6 copies with hydraulic calculations ATTACHED
- \*2. Survey – 3 copies with watercourse note ATTACHED
- \*3. Tentative Lot Number Request Form – Attached Not Applicable X
4. Department of Buildings Amendment – Attached Not Applicable X
5. Builders Pavement Plan – Attached Not Applicable X
6. Boring Logs – Attached X Not Applicable
7. Other (Specify) NONE Attached

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

SELF CERTIFIED  
APPLICATION

07/17/18

**5. SEWER INFORMATION:**

- a. There ~~(is)~~ ~~(is not)~~ a sanitary sewer fronting the property available for connections. SIZE 12" PUBLIC
- b. There ~~(is)~~ ~~(is not)~~ a storm sewer fronting the property available for connections. SIZE \_\_\_\_\_
- c. There ~~(is)~~ ~~(is not)~~ a combined sewer fronting the property available for connections. SIZE \_\_\_\_\_
- d. Sanitary discharge tributary to: \_\_\_\_\_

Location

City Treatment Plant - CONEY ISLAND

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

i. Sanitary Outlet FRONTING THE PROPERTY

ii. Storm Outlet NA

iii. Combined Outlet NA

**6. WATERCOURSE INFORMATION:**

There ~~(is)~~ ~~(is not)~~ a watercourse traversing the development site.

Topo. Map No. \_\_\_\_\_

Statements and Signatures (Complete the appropriate sections and sign below. All professionals must affix their seal)

**APPLICANT**

**IDENTIFICATION OF RESPONSIBILITIES**

I hereby state that the above information is correct and complete to the best of my knowledge and is in compliance with all applicable Administrative Code Provisions and all Departmental Rules, Regulations, and Directives, except where noted.

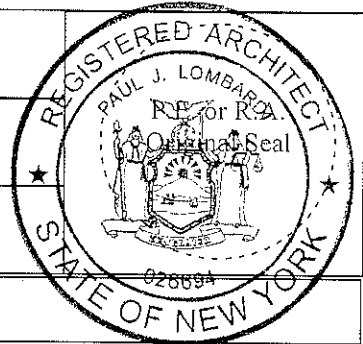
Falsification of any statement is a misdemeanor under section 26-124 of the Administrative Code and is punishable by a fine or imprisonment, or both.

It is unlawful to give to a city employee, or for a city employee to accept, any benefit, monetary or otherwise, either as a gratuity for properly performing the job or in exchange for consideration. Violation is punishable by imprisonment or fine, or both.

Name of Applicant Phone Number  
PAUL LOMBARDI - DESIGN STUDIO ASSOCIATES 718-569-2112

Address City State Zip Code  
527 COURT STREET BROOKLYN NY 11231

Signature Date  
05-24-18



**OWNER**

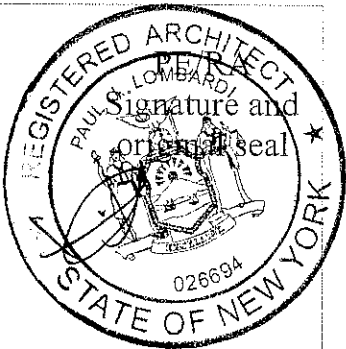
I hereby state that I have authorized the applicant to perform the work specified herein, and agree to indemnify and save harmless to the fullest extent permitted by law, the City of New York, the New York City Water Board, and the New York City Municipal Water Finance Authority (hereinafter collectively called "the City") and their, respective officers, representatives, agencies, contractors, servants and employees from and against any and all claims, suits, actions, proceedings, and losses ("claims and losses") that may arise from the construction, maintenance, operation, or use of any connection to the City Sewer System that I or my contractor connect to the City Sewer System from the subject site after the date of this certification and prior to the issuance of this certification and prior to the issuance of the certificate of inspection by the City Department of Environmental Protection.

Name of Owner Phone Number  
RAFAEL RAHAMIM - VIVID BUILDERS LLC 718-541-8363

Address City State Zip Code  
2638 EAST 23RD STREET BROOKLYN NY 11235

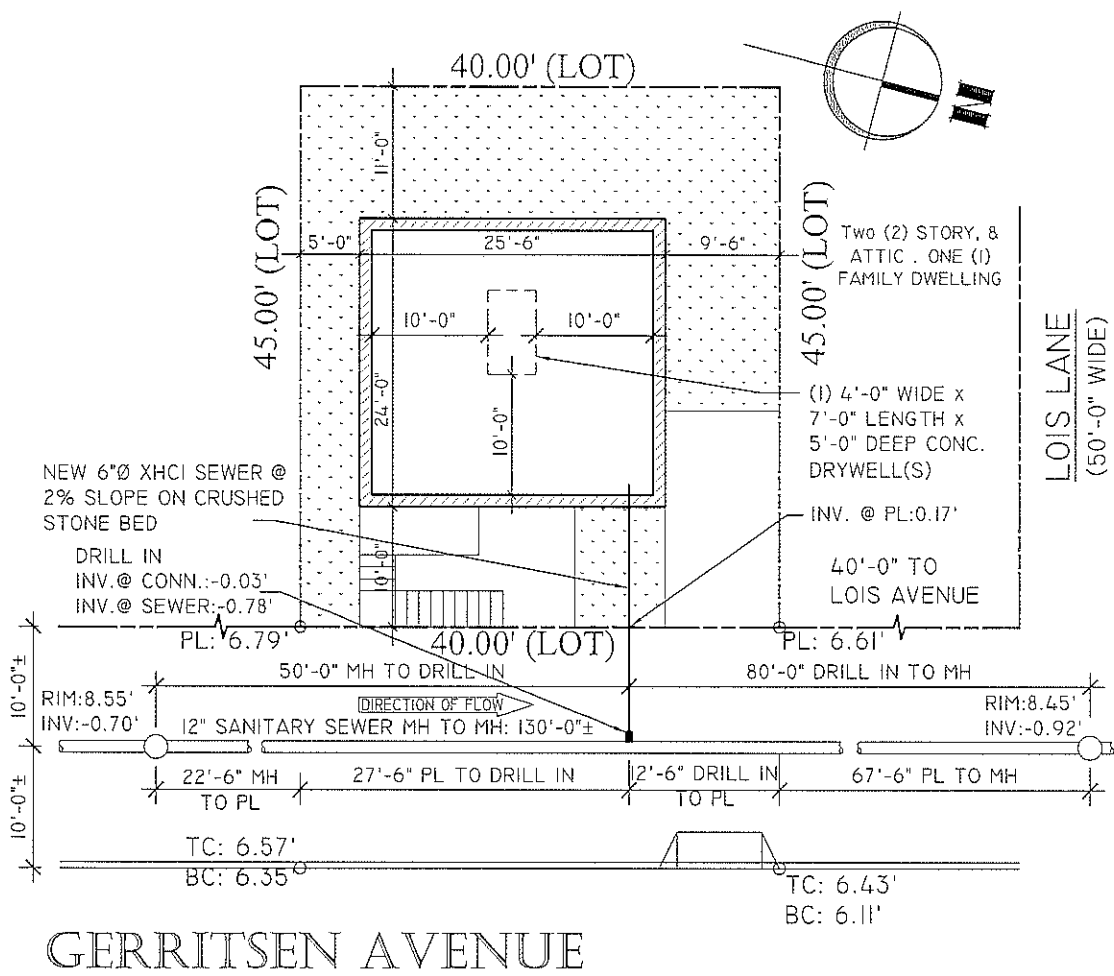
Signature Date  
05-24-18

J. LOCATION PLAN(Attachment "F")



BUILDING DATA

HOUSE NO. : 3014  
D.O.B APPL# : 321433631  
BLOCK NO. : 8845  
LOT NO. : 1902  
ZONE : R4  
MAP #: 29A  
ID#:



GERRITSEN AVENUE

SELF CERTIFIED  
APPLICATION

07/17/18

PLOT PLAN

SCALE 1/16" = 1'-0"

- NOTES :
- ALL ELEVATIONS SHOWN REFER TO THE NAVD 1988 DATUM.
  - STORM WATER RETENTION SYSTEM TO BE INSTALLED IN ACCORDANCE WITH DOB REQUIREMENTS.

HYDRAULIC CALCULATIONS

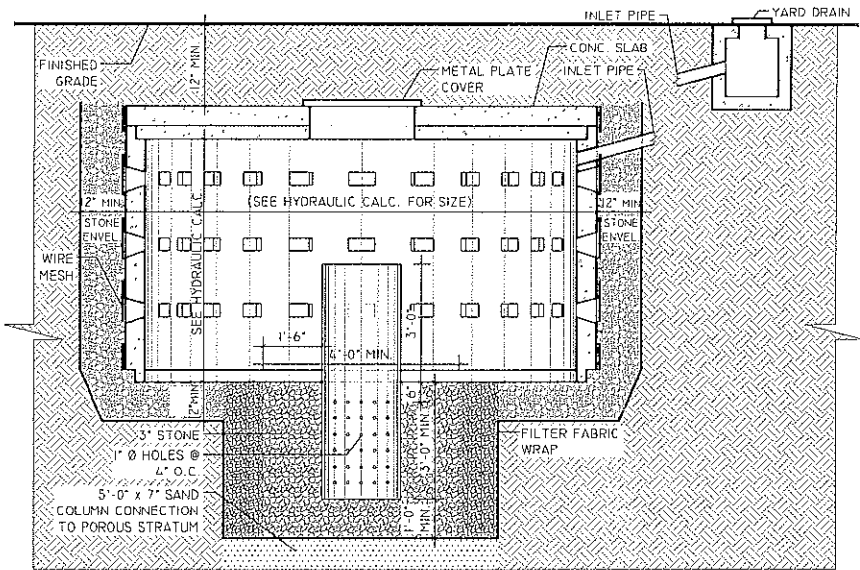
|                                                        |                  |               |               |                 |
|--------------------------------------------------------|------------------|---------------|---------------|-----------------|
| LOT AREA = 1800.00 sq. ft. ~ 0.0413 acre               |                  |               |               |                 |
| SANITARY Q = 100 x 0.0413 x 150                        |                  |               |               |                 |
| 7.48 x 86,400 Q = 0.0010 cfs                           |                  |               |               |                 |
| Qpeak = 0.0010 x 4 0.0038 cfs                          |                  |               |               |                 |
| STORM DRAINAGE                                         |                  |               |               |                 |
| ROOF =                                                 |                  | 612.00        | s.f.~         | 0.0140 acre     |
| PAVED AREA =                                           |                  | 351.00        | s.f.~         | 0.0081 acre     |
| UNPAVED AREA =                                         |                  | 837.00        | s.f.~         | 0.0192 acre     |
| ACTUAL STORM FLOW:                                     |                  |               |               |                 |
| ROOF =                                                 |                  | 1.00 x 5.95 x | 0.0140        | = 0.084 cfs     |
| PAVED =                                                |                  | .85 x 5.95 x  | 0.0081        | = 0.041 cfs     |
| UNPAVED =                                              |                  | .30 x 5.95 x  | 0.0192        | = 0.034 cfs     |
| TOTAL =                                                |                  |               |               | = 0.159 cfs     |
| STORM FLOW TO SEWER: (100% STORM TO DRYWELL)           |                  |               |               |                 |
| STORM FLOW TO DRYWELL :                                |                  |               |               |                 |
| = ROOF + PAVED + UNPAVED                               |                  |               |               | = 0.159 cfs     |
| DRYWELL COMPUTATION                                    |                  |               |               |                 |
| ROOF                                                   |                  |               |               |                 |
|                                                        | 612.0 x 0.16     | =             | 97.92         | cu.ft.          |
| UNPAVED                                                |                  |               |               |                 |
|                                                        | 837.0 x 0.03     | =             | 25.11         |                 |
| PAVED                                                  |                  |               |               |                 |
|                                                        | 351.0 x 0.14     | =             | 49.14         | cu.ft.          |
| TOTAL                                                  |                  |               |               |                 |
|                                                        | 172.17 x 75%     | =             | 129.1275      | cu.ft.          |
| RING DESIGN = USE 1 4.0 FT. (W) x 5.0 FT. DEEP DRYWELL |                  |               |               |                 |
|                                                        | x 7.0 FT. (L)    | =             | 140.00 cu.ft. | > 129.13 cu.ft. |
| CRUSHED STONE =                                        |                  |               |               |                 |
|                                                        | 172.17 - 140.0 = |               | 32.2          | cu.ft.          |
|                                                        |                  |               | 1             | # OF DRYWELLS   |
| 32.2 x 3.33 = 107.13                                   |                  |               |               |                 |
| 107.13 / 16 = 6.70                                     |                  |               |               |                 |
| A = π (R2 - r2) = 6.70 = π(R2) - 12.56                 |                  |               |               |                 |
| 19.26 = π(R2) R = 2.48                                 |                  |               |               |                 |
| 2.48 - 2 = 0.48                                        |                  |               |               |                 |
| PROVIDE 0.48 ~ 6 " CRUSHED STONE PER DRYWELL           |                  |               |               |                 |
| TOTAL DEVELOPED SITE TO STORM= 0.159 cfs               |                  |               |               |                 |
| TOTAL Q TO SEWER (Sanitary)= 0.0038 cfs                |                  |               |               |                 |
| TOTAL Q TO DRYWELL= 0.159 cfs                          |                  |               |               |                 |

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

- DRYWELL NOTES :
1. DRYWELL TO BE MANUFACTURED BY CARLSON PRE-CAST INC. , 140 OLD NORTHPORT RD. KINGS PARK, NY 11754.
  2. INSTALLATION OF DRYWELL TO COMPLY WITH MANUFACTURERS SPECIFICATIONS & NEW YORK CITY BUILDING CODE AND DEPARTMENT RULES & REGULATIONS.
  3. DRYWELL SHALL BE INSTALLED AND CONSTRUCTED IN ACCORDANCE WITH SECTION PH0.13 OF REFERENCE STANDARD RS-16 OF THE NYC BUILDING CODE.
  4. SIZE OF THE DRYWELL SHALL BE PREDICATED ON A SOIL PERCOLATION TEST PERFORMED IN ACCORDANCE WITH THE PROVISIONS OF SECTION PH0.13 OF REFERENCE STANDARD RS-16 OF THE NYC BUILDING CODE.
  5. THE CONSTRUCTION OF DRYWELLS SHALL BE SUBJECT TO CONTROLLED INSPECTION.
  6. DRYWELL SHALL BE LOCATED AT LEAST 5 FEET FROM ANY PROPERTY LINE AND AT LEAST 10 FEET FROM ANY FOUNDATION WALL EXISTING ON THE TIME OF APPLICATION FOR A BUILDING PERMIT OR PROPOSED UNDER THE APPLICATION TO CONSTRUCT A DRYWELL
  7. AT LEAST ONE BORING AND ONE TEST PIT SHALL BE MADE AT THE APPROXIMATE SITE OF EACH PROPOSED DRYWELL.
  8. STORAGE VOLUME SHALL BE MEASURED AT LEAST TWO FEET ABOVE THE LEVEL OF THE WATER TABLE AS DETERMINED BY THE TEST PIT AT THE SITE FO THE DRYWELL
  9. UNDERGROUND YARD DRAINAGE AND STORM WATER TO DRYWELL, WITHIN THE PROPERTY LINE BUT OUTSIDE THE FOUNDATION WALLS OF THE BUILDING SHALL BE XHCI PIPE AWWA CLASS(22), OR STRONGER CAST IRON WATER PIPE, DUCTILE CAST IRON, SERVICE WEIGHT CAST IRON, NO HUB CAST IRON SOIL PIPE, VITREOUS TILE PIPE, CONCRETE PIPE. CAST IRON PIPE FITTINGS MAY BE COATED OR UNCOATED.
  10. PRE-CAST CONCRETE DRYWELL SHALL HAVE 50% VOIDS. BOTTOM OF DRYWELL TO BE MIN. TWO FEET ABOVE WATER TABLE IN ALL CASES
- NOTES :
- ALL ELEVATIONS SHOWN REFER TO THE NAVD 1988 DATUM.
  - STORM WATER RETENTION SYSTEM TO BE INSTALLED IN ACCORDANCE WITH DOB REQUIREMENTS.

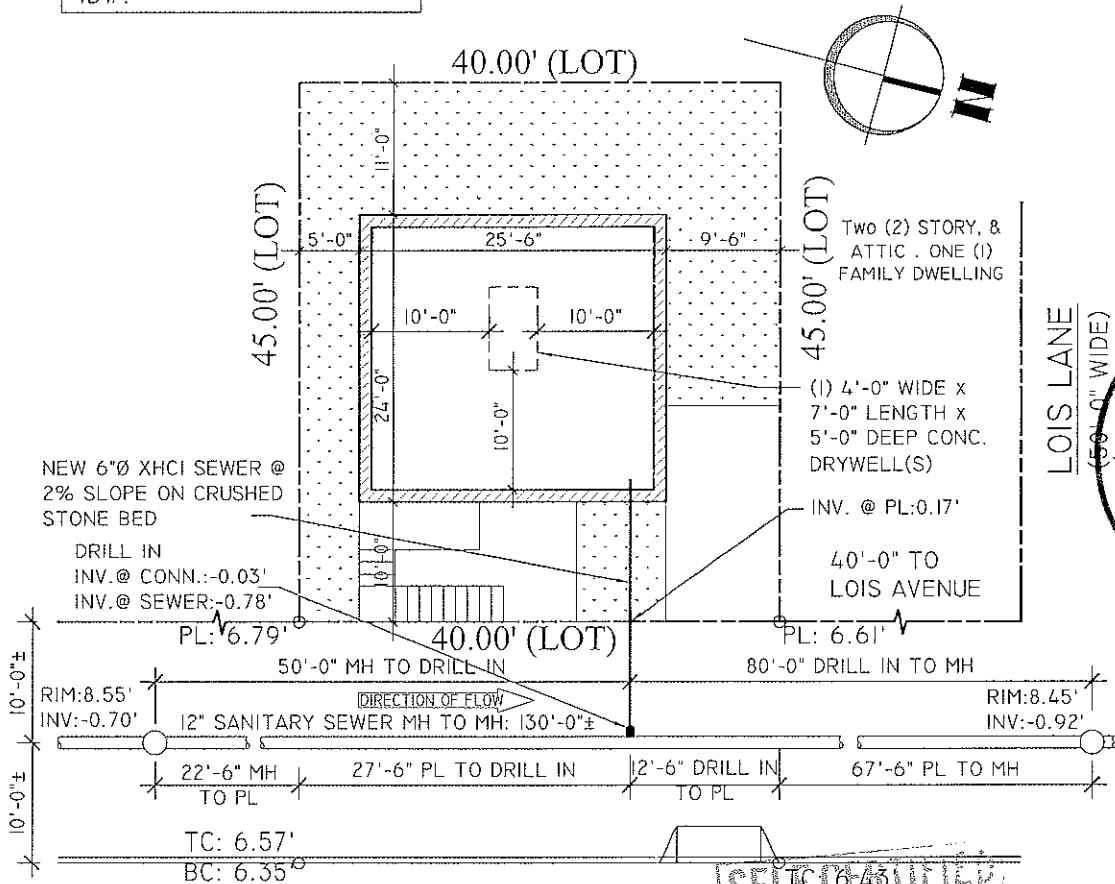
Flow rate to the dry well is per DEP requirement and that the drywells are in-compliance with DOB rules.

DRYWELL DETAIL SCALE: NTS



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GERRITSEN AVENUE

PLOT PLAN

SCALE: 1/16" = 1'-0"

DESIGNED BY :

APPLICANT OF RECORD :

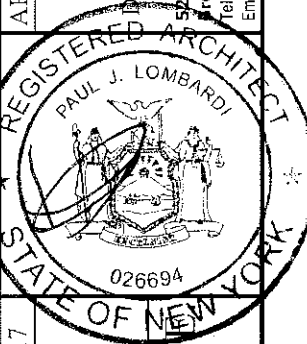
SCALE: AS NOTED DATE: Dec, 2017

House Connection  
Proposal For:

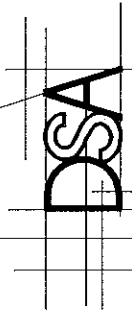
3014 GERRITSEN AVENUE  
BROOKLYN, NY

PAUL LOMBARDI  
DESIGN STUDIO ASSOCIATES

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Brooklyn, NY 11231  
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Design Studio Associates  
Design | Zoning | Code Consultants

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