



Chris M. Sideris
217-22 Northern Boulevard
Bayside, NY 11361

Re: County: Queens Block: 11087 Lot: 39
Location: 99-10 215th St
Approval No (#): 19080363 Device(s): 1

Dear Applicant:

Enclosed is the plan for the installation of Backflow Prevention Assembly(s) hereinafter (BFPA) at the above identified location which is reviewed and approved by this office and subject to the following conditions of approval:

A. Proposed BFPA is constructed in strict conformity with the implied plans this day or approved amendment:

1. For existing water services, the BFPA shall be installed within thirty (30) days of the due date of this approval letter.
2. For new developments, the BFPA shall be installed with the setting up of the utility water system, normally downstream of the water meter at the property.

B. Any unauthorized cross-connection made upstream of the BFPA shall render this approval void. It is unlawful to remove/swap the BFPA unless DEP is notified. Approved plans are subject to revocation and become immediately revoked if the property owner/customer should so change the type of cross-connection or degree of hazard associated with the water system.

C. The following procedures shall be taken within thirty (30) days of the BFPA installation(s):

1. The installation shall be tasked by a NYC Licensed Master Plumber who ensures that the BFPA is installed in accordance with DOB plumbing code.
2. The BFPA setting up, along with all related conditions, shall be inspected by a NYS PE/RA who certifies that the installation is in accordance with this approved plan (to avoid unnecessary expenses).
3. The BFPA shall be tested immediately after installation and at least once a year thereafter, by a NYS Certified Tester, who is employed by a NYC Licensed Master Plumber.
4. NYC Gen215B Form shall be completed (Initial Test) and mailed to this office, it is available at: http://www.nyc.gov/html/dep/pdf/water_sewer/10.pdf
5. For the most up-to-date information, refer to: "NYC CCC Program Handbook", the latest version for designing BFPA installations: http://www.nyc.gov/html/dep/html/forms_and_permits/cross.shtml#handbook

D. Annual test of BFPA shall be performed as follows:

1. BFPA shall be tested at once annually by a NYS Certified Tester, in accordance with §20-04(e). Gen215B Form shall be completed (Annual Test) and mailed to this office within 30 days of test date.
2. Defects in any tested assembly shall be repaired/replaced within thirty (30) days by same size, type, configuration, installation orientation, make and model # (equivalent/substitute) of Lead-Free type from currently USC approved/listed assemblies, and repair/replacement shall be followed by a retest. Retest results shall be submitted to this office with description of repairs, parts and materials used.
3. Failure to submit an annual test report for each approved BFPA is a violation of §20-04(e) and will result in the issuance of a Notice of Violation returnable to the Environmental Control Board. This may result in the imposition of a civil penalty of up to \$1,000.
4. Customer will not receive future reminders of the required BFPA Annual Test Report.

E. This approved plans is valid for two (2) years from the due date of this approval letter. Please be advised that in case of change in size, type, configuration, orientation and/or location of the BFPA or the size of the water meter, you shall resubmit rectified plans (or as-built) for approval of the installation of BFPA. In case of any inquiries concerning this approval, please contact Cross Connection Control Unit at 718-595-5463 for technical assistance.

Very truly yours, -

Muhammad E. Hossain, Ph.D., P.E.
Division Chief - Connections

cc: Sky Investors Group Inc- Kobi Sashua
191-13 Jamaica Av
Jamaica, NY 11423

Vincent Sapienza P. E.
Commissioner

Anastasios Georgelis, P.E.
Deputy Commissioner

59-17 Junction Boulevard
Flushing, NY 11373

connections@dep.nyc.gov



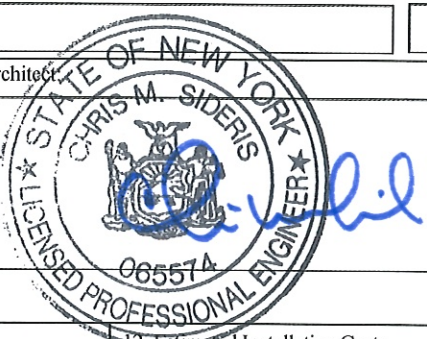
DEPARTMENT OF ENVIRONMENTAL PROTECTION - BUREAU OF WATER AND SEWER OPERATIONS
APPLICATION FOR APPROVAL OF BACKFLOW PREVENTION ASSEMBLIES

Valid for Two (2) Years from the Approval Date

ATTACH FEE TO FORM: \$350 PER WATER SERVICE CONNECTION (Check or Money Order made payable to NYC Water Board)

PRINT OR TYPE ALL EXCEPT SIGNATURES

Please complete items 0 through 13

1. Name of Facility: NEW 2-STORY, 2-UNIT RESIDENTIAL BUILDING				0. Block # 11087	0a. Lot # 39	FOR DEPARTMENT USE ONLY Approval # 19080863 APPROVED DEP Cross-Connection Control Unit Reviewed By: <i>M. Hossain</i> Date: AUG 21 2019			
3. Exact Location of Facility; i.e., Street Address: 99-10 215 STREET				2. County: QUEENS	0b. Tent. Lot 39				
3a. City QUEENS	3b. State NY	3c. ZIP C. 11429	4. Facility Contact Person KOBI SASHUA	4a. Phone Number(s) 917-450-8226					
5. Location of Assembly(s): (Attach additional sheets if required) CELLAR (WATER METER ROOM)							6. Manufacturer, Model No., Size and Type of BFP Assembly(s): -NEW 2" WATTS MODEL LF009M2QT RPZ		
5a. # of Fire Services: 0		5b. # of Domestic Services: 0		5c. # of Combined Services: 1		5d. Total # of Services: 1		5e. Total # of Buildings: 1	
7. Name, Title & Phone No. of Property Owner: KOBI SASHUA, PRESIDENT, 917-450-8226							8. Type of Submission: ☐ As-Built ☒ Initial Assembly Installation ☐ Replace Existing Device		
Full Mailing Address: SKY INVESTORS GROUP INC 191-13 JAMAICA AVENUE JAMAICA NY 11423									
Owner's Signature: <i>[Signature]</i> Date: 8/15/19									
9. Print Name and Full Mailing Address of Design Engineer or Architect: CHRIS M. SIDERIS 217-22 NORTHERN BOULEVARD BAYSIDE, NY 11361							8a. ☒ New Service ☐ Exist. Service		
							8b. ☒ New Building ☐ New Extension ☐ Major Renovation ☐ Existing Building ☐ Other		
							10. NYS License #: 065574		
Original Ink Signature & Seal Required on both copies.							☒ PE ☐ RA		
11. Water System Pressure (psi) at Point of Connection: Max.: 37 Avg.: 36 Min.: 35				12. Estimated Installation Cost: \$2,500				10a. Telephone #: (718)-224-9091	
13. Degree of Health Hazard: ☒ Hazardous ☐ Non-Hazardous with Hazardous Fixtures ☐ Aesthetically Objectionable							10b. Date: 08/15/19		
10c. E-MAIL: CHRIS@SKENYC.COM									
List of Processes or reasons which lead to degree of assessed health hazard checked: - COIN/CARD OPERATED WASHING MACHINES									
14. Public Water Supplier Name: NYC-DEP Mailing Address: NYC-DEP Bureau of Water & Sewer Operations Cross-Connection Control Unit 3rd Floor Low Rise 59-17 Junction Boulevard Flushing, NY 11373 Telephone No.: (718) 595-5463				FOR DEPARTMENT USE ONLY Name of DEP's Designated Representative: Muhammad E. Hossain, Ph.D., P.E. Cross-Connection Control Review Unit The degree of hazard shown in item (13) above is in conformity with the latest DEP Cross- Connection Control Risk Assessment *Signature: <i>M. Hossain</i> Date: AUG 23 2019 *Your Signature endorses proposal					

NOTE: Two ORIGINAL copies of this form, two copies of all plans, engineering reports and supporting materials must be submitted to:
New York City, Department of Environmental Protection, Bureau of Water & Sewer Operations,
Cross-Connection Control Unit, 3rd Floor Low-Rise, 59-17 Junction Boulevard, Flushing, NY 11373.

August 15, 2019

To: NYCDEP Division of Permitting & Inspections
Cross-Connection Control Unit
3rd Floor Low-Rise
59-17 Junction Blvd.
Flushing, NY 11373

Re: **Building / Facility Usage verification**

99-10 215th Street
Queens, New York
Block: 11087
Present Lot: 39
Tent. Lot: 39



CHRIS M. SIDERIS, P.E.
FILOLAOS T. KEFALAS, P.E.
T.C. SIDERIS, P.E. (1923-2005)

LICENSED IN

ALABAMA

CONNECTICUT

DELAWARE

DISTRICT OF COLUMBIA

FLORIDA

GEORGIA

ILLINOIS

INDIANA

MARYLAND

MASSACHUSETTS

MICHIGAN

MISSOURI

NEW HAMPSHIRE

NEW JERSEY

NEW YORK

NORTH CAROLINA

OHIO

PENNSYLVANIA

RHODE ISLAND

SOUTH CAROLINA

TENNESSEE

VERMONT

VIRGINIA

WEST VIRGINIA

Dear Plan Reviewer,

The information provided below is to verify the usage of the proposed building with regards to containment backflow prevention requirements.

The referenced location is a **New 2-Story, 2-Unit Residential Building** with coin/card operated washing machines but, no commercial spaces, swimming pools, bidets, and no chemically treated boilers or cooling towers. All on premise plumbing fixtures are equipped with local plumbing control as per DOB plumbing code.

The new 2" fire sprinkler system is characterized as follows:

1. No chemical provisions are used in the fire line (e.g. antifreeze, rust inhibitors).
2. Domestic and Fire water risers do not interconnect at any point on the house side of the BFP assemblies.
3. No fire wells on the premises.
4. No Fire Siamese Connection

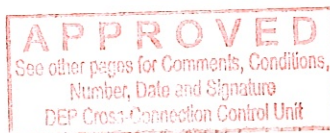
There will be a new 2" combined water service from 215th Street.

Based on the information and a detailed and thorough inspection of the referenced building and plans, we believe the domestic usage for the lot is hazardous and requires an RPZ on the combined service as shown on the plans. We propose a new 2" Watts Model LF009M2QT RPZ on the combined water service as required by NYC-DEP and NYC-DOH. I have made the property owner fully aware that if any of the above conditions change, the installation of appropriate backflow prevention may be mandatory.

Respectfully,



Chris M. Sideris, P.E.
Sideris Kefalas Engineers P.C.



AUG 21 2019

O:\WPFILES\Documents 2019\19-0326 (99-08 215th Street) Engineers Report.docx

NOTES

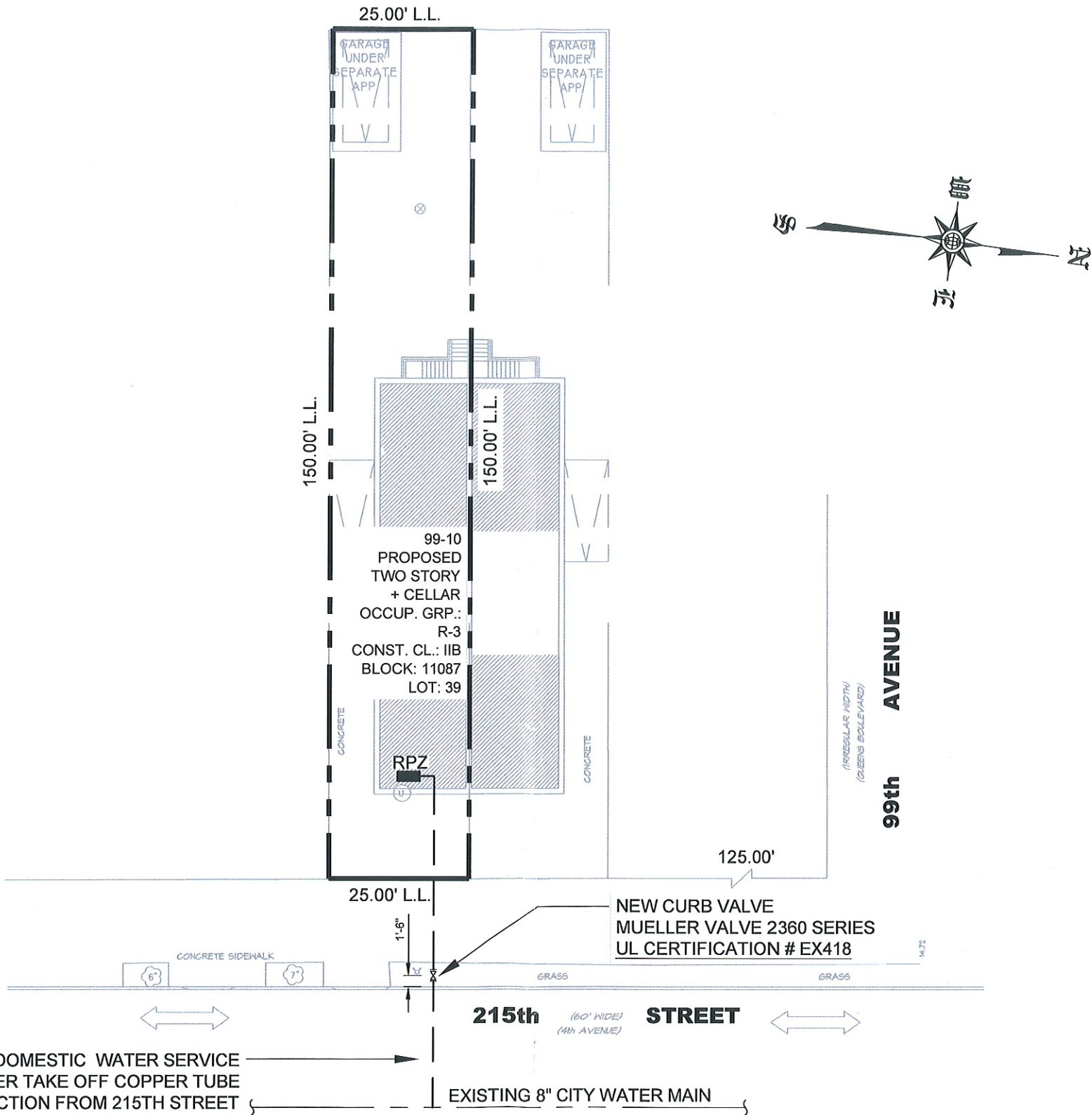
- 1. THESE ASSEMBLIES ARE TO BE TESTED ANNUALLY AND DISASSEMBLED AND OVERHAULED EVERY 5 YEARS AS RECOMMENDED BY NEW YORK STATE HEALTH DEPARTMENT.
- 2. INSTALLATION OF ASSEMBLIES WILL MEET NEW YORK CITY DEP. BUREAU OF WS & WC CROSS-CONNECTION CONTROL UNIT'S REQUIREMENTS.
- 3. TO BE INSTALLED ABOVE HIGHEST POSSIBLE FLOODING.
- 4. ROOM WHERE BACKFLOW PREVENTION ASSEMBLIES ARE TO BE LOCATED HAVE HEATING AND LIGHTING.
- 5. ALL CONTRACTORS TO VISIT JOB SITE, CHECK EXISTING INSTALLATION AND WHERE BACKFLOW PREVENTION ASSEMBLIES ARE INSTALLED AND BE RESPONSIBLE FOR SAME.
- 6. WHERE THE DISTANCE BETWEEN POINT OF ENTRY AND BFP IS GREATER THAN 10', THE PIPES MUST BE STENCILED "FEED TO BACKFLOW PREVENTOR. DO NOT TAP OR CONNECT TO THIS LINE" AT 5' INTERVALS, AND AT WALL AND FLOOR PENETRATIONS. COLOR AND SIZE OF LETTERING MUST BE 1" HIGH BLACK LETTERING ON WHITE BACKGROUND.
- 7. THE ENGINEER IS RESPONSIBLE FOR CHECKING THAT THE ASSEMBLY IS INSTALLED ACCORDING TO THE APPROVED PLAN AND SIGNING THE CERTIFICATION STATEMENT ON FORM GEN 215B.
- 8. ADEQUATE SUPPORT FOR ASSEMBLY TO BE PROVIDED.
- 9. UNLAWFUL TO REMOVE THIS ASSEMBLY FOR ANY REASON UNLESS DEP. BUREAU OF WATER SUPPLY AND WASTEWATER COLLECTION CROSS-CONNECTION CONTROL UNIT SUPPLY IS NOTIFIED.
- 10. THE FACILITY DOES NOT CONTAIN A TREATED BOILER.
- 11. THE FACILITY DOES NOT CONTAIN A COOLING TOWER.
- 12. THE FIRE SERVICE DOES NOT CONTAIN ANY CHEMICALS.
- 13. THE DOMESTIC WATER RISERS AND THE SPRINKLER RISERS DO NOT INTERCONNECT AT ANY POINT ON THE HOUSE SIDE OF THE BACKFLOW PREVENTION ASSEMBLIES.
- 14. NO FIRE WELLS IN THE PREMISES.

This APPROVAL for
Back flow Device ONLY
NOT for Water Service Connection

Metering Requirements Should be
obtained from the Bureau of
Customer Services

PLOT PLAN

NTS



ADDRESS: 99-10 215TH STREET
QUEENS, NEW YORK

BLOCK: 11087

PRESENT LOT: 39

NEW LOT: 39

APPROVED
See other pages for Comments, Conditions,
Number, Date and Signature
DEP Cross-Connection Control Unit

AUG 21 2019

Consulting Engineers For:
• Mechanical • Fire Protection
• Plumbing • Electrical
• Fire Alarm

217-22 Northern Boulevard
Bayside, New York 11361
Tel: 718-224-9091
Fax: 718-224-9143

Project: 99-10 215TH STREET
QUEENS, NEW YORK

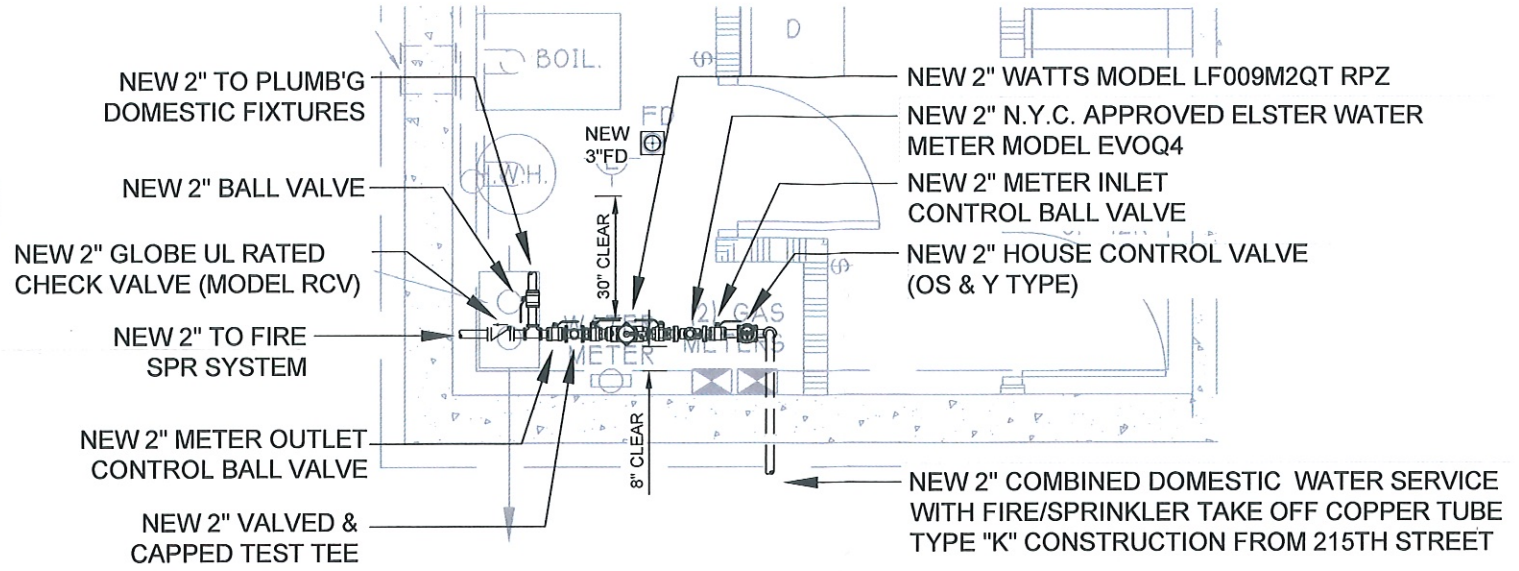
Title: BACK FLOW ASSEMBLY
SUBMITTAL TO CCCU

Chris M. Sideris, P.E.
065574
FILIPPOS T. KEFALAS, P.E.

Date: 06-03-19
Job No.: 19-0326
Drawn By: MA
Checked By: CMS/FTK
DWG NO. BFP-1
1 of 2

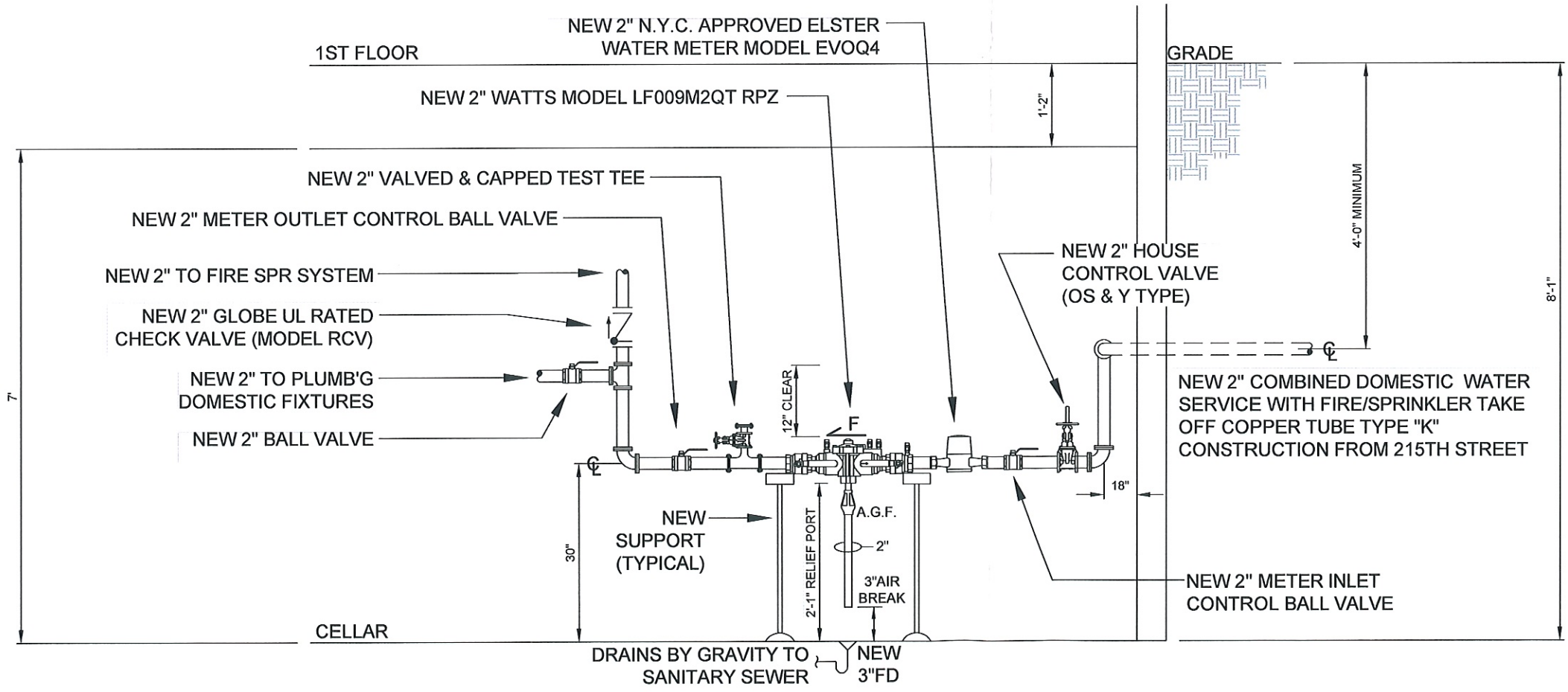
RPZ SUBMERSION CALCULATIONS

CELLAR = 1,108 SQ FT
WATTS 2" LF009M2QT RPZ
VOLUME OF THE FLOOR UP TO RELIEF VALVE:
1,108 SQ FT X 2.1 FT = 2,326.8 CU FT > 2,000 CU FT



PROPOSED PARTIAL CELLAR FLOOR PLAN

SCALE: 1/4" = 1'-0"



NEW 2" COMBINED, DOMESTIC/FIRE SPRINKLER WATER SERVICE ELEVATION

SCHEMATIC ONLY

ADDRESS: 99-10 215TH STREET
QUEENS, NEW YORK

BLOCK: 11087

PRESENT LOT: 39

NEW LOT: 39

Approval # 19080363
APPROVED
DEP Cross-Connection Control Unit
Reviewed By: *[Signature]* Date:

AUG 21 2019

SIDERIS KEFALAS ENGINEERS P.C.

Consulting Engineers For:

- Mechanical • Fire Protection
- Plumbing • Electrical
- Fire Alarm

217-22 Northern Boulevard
Bayside, New York 11361
Tel: 718-224-9091
Fax: 718-224-9143

Project: 99-10 215TH STREET QUEENS, NEW YORK	
Title: BACK FLOW ASSEMBLY SUBMITTAL TO CCCU	
	Date: 06-03-19
	Job No.: 19-0326
	Drawn By: MA
	Checked By: CMS/FTK
DWG NO. BFP-2	
2 of 2	