



TR4: Technical Report
Soil Investigation
Must be typewritten

☒ Orient and affix BIS
job number label here ☒

1 Location Information *Required for all applications.*

House No(s) 36-33 Street Name 31 Street
Borough Queens Block 600 Lot 12 BIN 4007891 CB No. 401
Work on Floor(s) OSP Apt/Condo No(s)

2 Applicant Information *Required for all applications.*

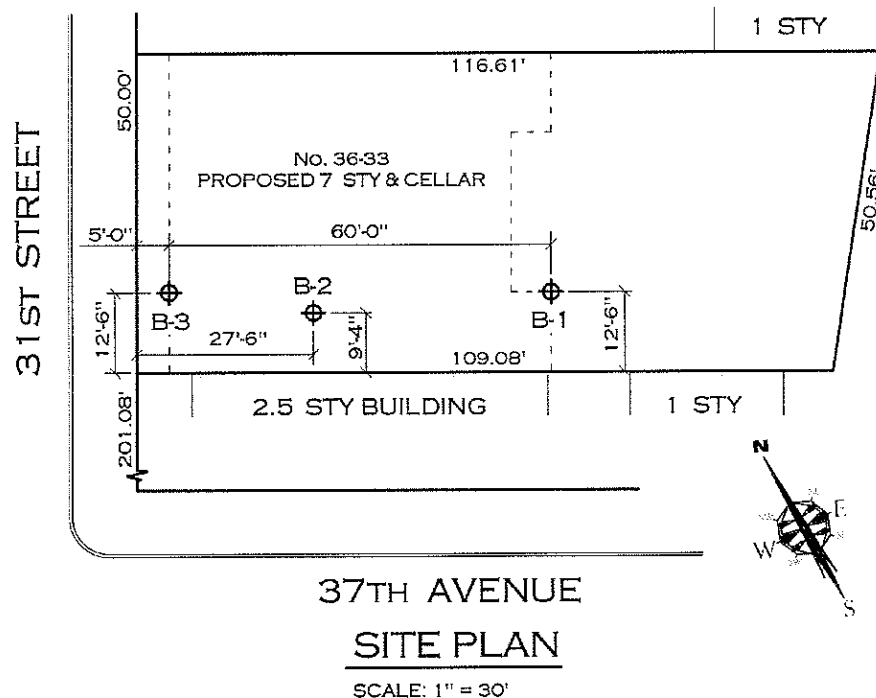
Last Name Flynn First Name Brian Middle Initial E.
Business Name Brian E. Flynn, PE, PC Business Telephone (718) 894-7822
Business Address 78-66 79 Place Business Fax (718) 894-7833
City Glendale State NY Zip 11385 Mobile Telephone (347) 528-6038
E-Mail BEFlynnPE@mac.com License Number 069956
Special Inspection Agency Number 002837 ☒ P.E. ☐ R.A.

3 Required Borings / Test Pits *Required for all applications.*

Number of Test Pits as Required as per NYC Construction Codes: 2

4 Plot Diagram *Required for all applications.*

Draw in ink to indicate scale. Show building outline or extension and location of all borings and/or test pits by dimensions. Borings and/or test pits shall be distributed according to the NYC Construction Codes.



5 Test Report *Required for all applications.*

Date	Boring/ Test Pit #	Feet Below Curb	Soil Description	Class Number	Remarks
8/6/15	B1 S-1	0' - 2'	silty sand and debris	7	Uncontrolled fill (Fill, 11-65)
8/6/15	B1 S-2	5' - 7'	brown m-f sand little silt	3a	Dense (SP, 7-65)
8/6/15	B1 S-3	10' - 12'	brown c-m-f-sand with f-gravel	3b	Medium dense (SW, 7-65)
8/6/15	B1 S-4	15' - 17'	brown m-f-sand little f-gravel	3b	Medium dense (SP, 7-65)
8/6/15	B1 S-5	20' - 22'	brown m-f-sand little f-gravel	3b	Medium dense (SP, 7-65)
8/6/15	B1 S-6	25' - 27'	brown c-m-f-sand trace f-gravel	3b	Medium dense (SW, 7-65)
8/6/15	B1 S-7	30' - 32'	brown f-sand	3a	Dense (SP, 7-65)
8/6/15	B1 S-8	35' - 37'	brown f-sand	3a	Dense (SP, 7-65)
8/6/15	B1 S-9	40' - 42'	brown f-sand	3a	Dense (SP, 7-65)
8/6/15	B1 S-10	45' - 47'	brown f-sand	3a	Dense (SP, 7-65)
8/6/15	B1 S-11	50' - 52'	brown f-sand	3a	Dense (SP, 7-65)

6 Statement and Signatures *Required for all applications.*

I hereby state that the above information is correct and complete to the best of my knowledge and that the above tests were performed in accordance with all Administrative Code Provisions and Departmental Rules, Regulations and Directives.

Falsification of any statement is a misdemeanor and is punishable by a fine or imprisonment, or both.

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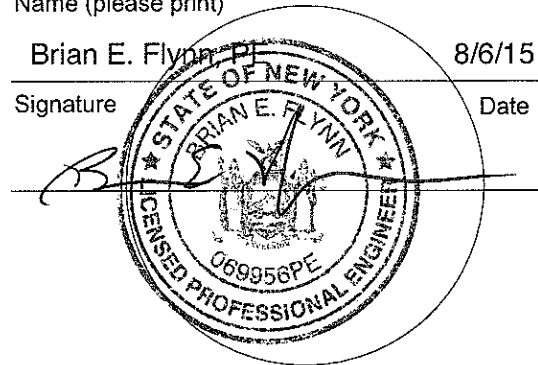
Name (please print)

Brian E. Flynn, PE

8/6/15

Signature

Date

P.E. / R.A. Seal *(apply seal, then sign and date over seal)***Approvals - Internal Use Only**

Examined and Recommended for Approval		Approved	
Examiner Name		Borough Commissioner Signature	Date
Signature	Date		



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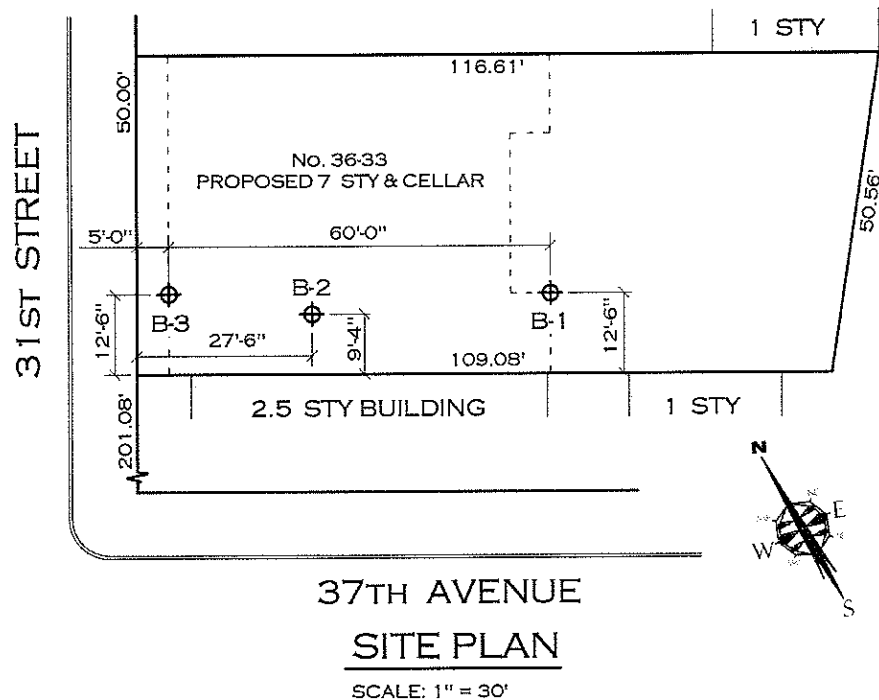
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Draw in ink to indicate scale. Show building outline or extension and location of all borings and/or test pits by dimensions. Borings and/or test pits shall be distributed according to the NYC Construction Codes.



5 Test Report *Required for all applications.*

Date	Boring/ Test Pit #	Feet Below Curb	Soil Description	Class Number	Remarks
8/5/15	B2 S-1	0' - 2'	silty sand and debris	7	Uncontrolled fill (Fill, 11-65)
8/5/15	B2 S-2	5' - 7'	brown f-sand trace silt	3b	Medium dense (SP, 7-65)
8/5/15	B2 S-3	10' - 12'	brown c-m-f-sand trace f-gravel	3b	Medium dense (SW, 7-65)
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8/5/15	B2 S-8	35' - 37'	brown f-sand	3a	Dense (SP, 7-65)
8/5/15	B2 S-9	40' - 42'	brown f-sand	3b	Medium dense (SP, 7-65)
8/5/15	B2 S-10	45' - 47'	brown f-sand	3b	Medium dense (SP, 7-65)
8/5/15	B2 S-11	50' - 52'	brown f-sand	3b	Medium dense (SP, 7-65)
8/5/15	B2 S-12	55' - 57'	brown f-sand	3a	Dense (SP, 7-65)
8/5/15	B2 C-13	57' - 61'	gneiss (boulder)	1b	Medium hard rock (Rock, 2-65)
8/5/15	B2 S-14	65' - 67'	no sample		
8/5/15	B2 S-15	70' - 72'	c-gravewl	2a	Dense (GP, 6-65)
8/5/15	B2 S-16	75' - 77'	no sample		
8/5/15	B2 S-17	80' - 82'	no sample		
8/5/15	B2 S-18	85' - 87'	brown c-m-f-silty sand and gravel	1d	Soft rock (SP, 4-65)
8/5/15	B2 S-19	90' - 92'	lime stone little schist gravel	1d	Soft rock (SP, 4-65)
8/5/15	B2 S-20	95' - 97'	limestone little gravel	1d	Soft rock (SP, 4-65)
8/5/15	B2 S-21	100' - 102'	light-gray m-f sandy clay with c-gravel	4a	Dense (SC, 9-65)

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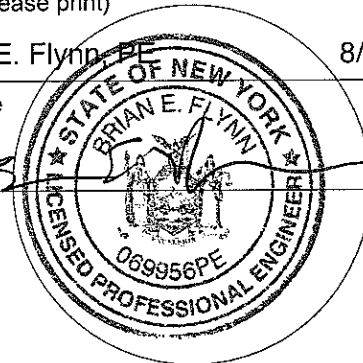
Name (please print)

Brian E. Flynn, PE

8/5/15

Signature

Date



P.E. / R.A. Seal (apply seal, then sign and date over seal)

Approvals - Internal Use Only

Examined and Recommended for Approval		Approved	
Examiner Name		Borough Commissioner Signature	Date
Signature	Date		



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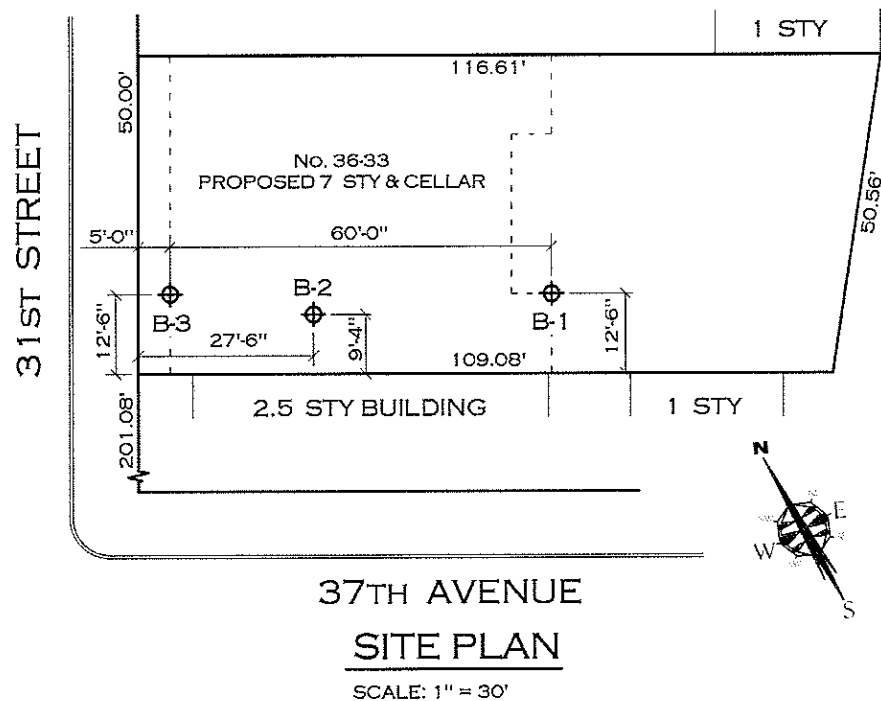
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8/6/15	B3 S-4	15' - 17'	brown f-silty sand	3b	Medium dense (SM, 7-65)
8/6/15	B3 S-5	20' - 22'	brown f-sand	3b	Medium dense (SP, 7-65)
8/6/15	B3 S-6	25' - 27'	brown m-f-sand	3b	Medium dense (SP, 7-65)
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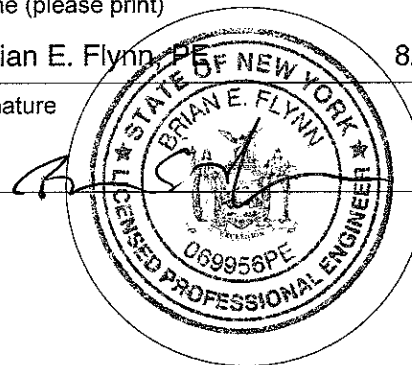
Name (please print)

Brian E. Flynn, P.E.

8/6/15

Signature

Date



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Examiner Name		Borough Commissioner Signature	Date
Signature	Date		



TR1: Technical Report Statement of Responsibility

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1 Location Information *Required for all applications.*

House No(s) 36-33

Street Name 31 Street

Work on Floor(s) OSP

2 Applicant Information *Required for all applications.*

Choose all that apply: ☐ Design Applicant 3A, 4A, 5 ☒ Special Inspections Applicant 3B-D, 6-9 ☐ Progress Inspections Applicant 4B-D, 6-9

Last Name Flynn

First Name Brian

Middle Initial E.

Business Name Brian E. Flynn, PE, PC

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City Glendale

State NY

Zip 11385

Mobile Telephone (347) 528-6038

License Type choose one: ☒ P.E. ☐ R.A. ☐ Other:

License Number 069956

Special Inspection
Agency Number 002837

3 Special Inspection Categories *Required for all applications, continued on page 2; ■ indicates report required.*

3A Identification of Requirement			3B Identification of Responsibilities	3C Certificate of Complete Inspections / Tests	3D Withdraw Responsibilities
Y	N	Special Inspections	Code/Section	Initial & Date	Initial & Date
☐	☒	Structural Steel – Welding	BC 1704.3.1		
☐	☒	Structural Steel – Details	BC 1704.3.2		
☐	☒	Structural Steel – High Strength Bolting	BC 1704.3.3		
☐	☒	Structural Cold-Formed Steel	BC 1704.3.4		
☐	☒	Concrete – Cast-In-Place	BC 1704.4		
☐	☒	Concrete – Precast	BC 1704.4		
☐	☒	Concrete – Prestressed	BC 1704.4		
☐	☒	Masonry	BC 1704.5		
☐	☒	Wood – Installation of High-Load Diaphragms	BC 1704.6.1		
☐	☒	Wood – Installation of Metal-Plate-Connected Trusses	BC 1704.6.2		
☐	☒	Wood – Installation of Prefabricated I-Joists	BC 1704.6.3		
☐	☒	Subgrade Inspection	BC 1704.7.1		
☐	☒	Subsurface Conditions – Fill Placement & In-Place Density	BC 1704.7.2 BC 1704.7.3		
☒	☐	Subsurface Investigations (Borings/Test Pits)	■ TR4 BC 1704.7.4	08-06-15	
☐	☒	Deep Foundation Elements	■ TR5 BC 1704.8		
☐	☒	Helical Piles (BB # 2014-020)	■ TR5H BC 1704.8.5		
☐	☒	Vertical Masonry Foundation Elements	BC 1704.9		
☐	☒	Wall Panels, Curtain Walls, and Veneers	■ BC 1704.10		
☐	☒	Sprayed fire-resistant materials	BC 1704.11		
☐	☒	Mastic and Intumescent Fire-resistant Coatings	BC 1704.12		
☐	☒	Exterior Insulation and Finish Systems (EIFS)	BC 1704.13		
☐	☒	Alternative Materials - OTCR Buildings Bulletin # _____	BC 1704.14		
☐	☒	Smoke Control Systems	BC 1704.15		
☐	☒	Mechanical Systems	BC 1704.16		
☐	☒	Fuel-Oil Storage and Fuel-Oil Piping Systems	BC 1704.17		
☐	☒	High-Pressure Steam Piping (Welding)	BC 1704.18		
☐	☒	High Temperature Hot Water Piping (Welding)	BC 1704.18		
☐	☒	High-Pressure Fuel-Gas Piping (Welding)	BC 1704.19		
☐	☒	Structural Stability – Existing Buildings	BC 1704.20.1		
☐	☒	Excavations—Sheeting, Shoring, and Bracing	BC 1704.20.2		
☐	☒	Underpinning	BC 1704.20.3 BC 1814		
☐	☒	Mechanical Demolition	BC 1704.20.4		



TR1: Technical Report Statement of Responsibility

This form must be typewritten

3 Special Inspection Categories (continued) Required for all applications, continued on page 2; ■ indicates report required.

3A Identification of Requirement		3B Identification of Responsibilities	3C Certificate of Complete Inspections / Tests	3D Withdraw Responsibilities
Y	N Special Inspections	Code/Section	Initial & Date	Initial & Date
☐	☒ Raising and Moving of a Building	BC 1704.20.5		
☐	☒ Soil Percolation Test - Private On-Site Storm Water Drainage Disposal Systems, and Detention Facilities ■	BC 1704.21.1.2		
☐	☒ Private On-Site Storm Water Drainage Disposal Systems, and Detention Facilities Installation	BC 1704.21.2		
☐	☒ Individual On-Site Private Sewage Disposal Systems Installation	BC 1704.22		
☐	☒ Soil Percolation Test - Individual On-Site Private Sewage Disposal Systems ■	BC 1704.22		
☐	☒ Sprinkler Systems	BC 1704.23		
☐	☒ Standpipe Systems	BC 1704.24		
☐	☒ Heating Systems	BC 1704.25		
☐	☒ Chimneys	BC 1704.26		
☐	☒ Fire-resistant Penetrations and Joints	BC 1704.27		
☐	☒ Aluminum Welding	BC 1704.28		
☐	☒ Flood Zone Compliance (attach FEMA elevation/dry floodproofing certificate where applicable)	BC 1704.29 BC G105		
☐	☒ Luminous Egress Path Markings ■ TR7	BC 1704.30 BC 1024.8		
☐	☒ Emergency and Standby Power Systems (Generators)	BC 1704.31		
☐	☒ Post-installed Anchors (BB# 2014-018, 2014-019)	BC 1704.32		
☐	☒ Seismic Isolation Systems	BC 1707.8		
☐	☒ Concrete Design Mix ■ TR3	BC 1905.3 BC 1913.5	Submit TR3 to complete this item	
☐	☒ Concrete Sampling and Testing ■ TR2	BC 1905.6 BC 1913.10	Submit TR2 to complete this item	

4 Progress Inspection Categories Required for all applications. ■ indicates report required.

4A Identification of Requirement		4B Identification of Responsibilities	4C Certificate of Complete Inspections / Tests	4D Withdraw Responsibilities
Y	N Progress Inspections	Code/Section	Initial & Date	Initial & Date
☐	☒ Preliminary	28-116.2.1, BC 110.2		
☐	☒ Footing and Foundation	BC 110.3.1		
☐	☒ Lowest Floor Elevation	BC 110.3.2		
☐	☒ Structural Wood Frame	BC 110.3.3		
☐	☒ Energy Code Compliance Inspections ■ TR8	BC 110.3.5	Submit TR8 to complete this item	
☐	☒ Fire-Resistance Rated Construction	BC 110.3.4		
☐	☒ Public Assembly Emergency Lighting	28-116.2.2		
☐	☒ Final*	28-116.2.4.2, BC 110.5, Directive 14 of 1975, and 1 RCNY §101-10		

* For column 4C, indicate date when the actual final inspection was performed

5 Design Applicant's Statements and Signatures P.E./R.A. responsible for plans, choose both below and sign/seal.

☐ I have identified all of the special inspections, progress inspections and tests required for compliance.

☐ I certify that the Special Inspection and Approved Agencies engaged by the owner to supervise the work specified above are acceptable. (BC 1704.1)

Name (please print)

Signature

Date

P.E. / R.A. Seal (apply seal, then sign and date over seal)

6 Owner's Statement and Signature for Progress/Special Inspector *Required when inspection applicant identifies responsibilities.*

I have reviewed the information provided herein and, to the best of my knowledge and belief, attest to its accuracy. I approve the identification of the responsible inspector. Falsification of any statement is a misdemeanor 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 special consideration. Violation is punishable by a fine or imprisonment, or both. I understand that if I am found after hearing to have knowingly or negligently made a false statement or to have knowingly or negligently falsified or allowed to be falsified any certificate, form, signed statement, application, report or certification of the correction of a violation required under the provisions of this code or of a rule of any agency, I may be barred from filing further applications or documents with the Department.

Name (print)

Title

Signature

Date

7 Inspection Applicant's Identification of Responsibilities**Check all that apply below:**

- ☒ For the **special inspections** indicated above in section 3, I certify that I am the principal/director of the special inspection agency accepting responsibility for conducting the inspections. I further certify that I have read the applicable sections of the New York City Construction Codes in connection with special inspections as well as 1 RCNY 101-06 Rule, which specifies the qualifications required for each inspection and that this agency meets those qualifications for each and every special inspection for which I/we take responsibility. I agree that both I and the agency will comply with all provisions of the New York City Construction Codes and the Rule. I am aware of the additional sanctions imposed on false filings by §28-211.1.2 of the Administrative Code.

- ☐ For the **progress inspections** indicated above in section 4, except energy code inspections on the TR1EN form, and/or **concrete test items** indicated in section 3, I assume the responsibility and I personally, or where permitted by the New York City Construction Codes, qualified personnel under my direct supervision, will perform the required inspections and tests on such forms and in such matter as the Department requires or requests. I am aware of the additional sanctions imposed on false filings by §28-211.1.2 of the Administrative Code.

Final Inspection:

I will make final inspection of the construction work, including those inspections during its progress necessary to my certification upon final

- ☐ inspection that all work substantially conforms to approved construction documents and applicable laws and rules. I will confirm that the performance of progress inspections and other inspections has been documented before I report the work complete. As prescribed by 1 RCNY 101-10, I will perform the final inspection within 1 year from the expiration of the last valid permit of the work.

Upon completion of the work and within 30 days of my final inspection, I will file a certification attesting to the fact that all work was performed and completed in accordance with the approved construction documents, laws and rules, except as reported otherwise.

- ☐ I understand that my failure to file a certification of completion or to notify the Department of my withdrawal of responsibilities within one year from expiration of the last valid permit may result in the loss of my privileges to file under Directives 2 and 14 of 1975 or issuance of a violation, or both. I am aware of the additional sanctions imposed on false filings by §28-211.1.2 of the Administrative Code.

- ☐ **Change of Applicant:** I am a newly designated individual responsible for the items specified herein and I hereby state that:

- ☐ None of the inspections/tests indicated herein have been performed to date by the previously designated individual.
- ☐ Some of the inspections/tests indicated herein have been performed by the previously designated individual as indicated in the attached report.

I am aware of the additional sanctions imposed on false filings by §28-211.1.2 of the Administrative Code.

Name (please print)
Brian E. Flynn, PE

Signature

Date
08-06-15

P.E. / R.A. Seal (apply seal, then sign and date over seal)

8 Inspection Applicant's Certification of Partial Completion

- ☐ I have completed the items specified herein and certify that the all work performed substantially conforms to approved construction documents and has been performed in accordance with applicable provisions of the New York City Construction Codes and other designated rules and regulations, except as indicated in the attached report.

- ☐ **Withdrawal of Applicant:** I am withdrawing responsibility for the items of special/progress inspections and/or tests indicated herein and herewith submit the results or status of the work performed to date.

I am aware of the additional sanctions imposed on false filings by §28-211.1.2 of the Administrative Code.

Name (please print)

Signature

Date

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9 Inspection Applicant's Certification of Full Completion

All work performed substantially conforms to approved construction documents and has been performed in accordance with applicable provisions of the New York City Construction Codes and other designated rules and regulations.

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Name (please print)

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License Type choose one: ☒ P.E. ☐ R.A. ☐ Other:

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☐	☒	Structural Cold-Formed Steel	BC 1704.3.4		
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☐	☒	Vertical Masonry Foundation Elements	BC 1704.9		
☐	☒	Wall Panels, Curtain Walls, and Veneers	■ BC 1704.10		
☐	☒	Sprayed fire-resistant materials	BC 1704.11		
☐	☒	Mastic and Intumescent Fire-resistant Coatings	BC 1704.12		
☐	☒	Exterior Insulation and Finish Systems (EIFS)	BC 1704.13		
☐	☒	Alternative Materials - OTCR Buildings Bulletin # _____	BC 1704.14		
☐	☒	Smoke Control Systems	BC 1704.15		
☐	☒	Mechanical Systems	BC 1704.16		
☐	☒	Fuel-Oil Storage and Fuel-Oil Piping Systems	BC 1704.17		
☐	☒	High-Pressure Steam Piping (Welding)	BC 1704.18		
☐	☒	High Temperature Hot Water Piping (Welding)	BC 1704.18		
☐	☒	High-Pressure Fuel-Gas Piping (Welding)	BC 1704.19		
☐	☒	Structural Stability – Existing Buildings	BC 1704.20.1		
☐	☒	Excavations—Sheeting, Shoring, and Bracing	BC 1704.20.2		
☐	☒	Underpinning	BC 1704.20.3 BC 1814		
☐	☒	Mechanical Demolition	BC 1704.20.4		



TR1: Technical Report Statement of Responsibility

This form must be typewritten

3 Special Inspection Categories (continued) *Required for all applications, continued on page 2; ■ indicates report required.*

3A ← Identification of Requirement			3B Identification of Responsibilities	3C Certificate of Complete Inspections / Tests	3D Withdraw Responsibilities
Y	N	Special Inspections	Code/Section	Initial & Date	Initial & Date
☐	☒	Raising and Moving of a Building	BC 1704.20.5		
☐	☒	Soil Percolation Test - Private On-Site Storm Water Drainage Disposal Systems, and Detention Facilities ■	BC 1704.21.1.2		
☐	☒	Private On-Site Storm Water Drainage Disposal Systems, and Detention Facilities Installation	BC 1704.21.2		
☐	☒	Individual On-Site Private Sewage Disposal Systems Installation	BC 1704.22		
☐	☒	Soil Percolation Test - Individual On-Site Private Sewage Disposal Systems ■	BC 1704.22		
☐	☒	Sprinkler Systems	BC 1704.23		
☐	☒	Standpipe Systems	BC 1704.24		
☐	☒	Heating Systems	BC 1704.25		
☐	☒	Chimneys	BC 1704.26		
☐	☒	Fire-resistant Penetrations and Joints	BC 1704.27		
☐	☒	Aluminum Welding	BC 1704.28		
☐	☒	Flood Zone Compliance (attach FEMA elevation/dry floodproofing certificate where applicable)	BC 1704.29 BC G105		
☐	☒	Luminous Egress Path Markings ■ TR7	BC 1704.30 BC 1024.8		
☐	☒	Emergency and Standby Power Systems (Generators)	BC 1704.31		
☐	☒	Post-installed Anchors (BB# 2014-018, 2014-019)	BC 1704.32		
☐	☒	Seismic Isolation Systems	BC 1707.8		
☐	☒	Concrete Design Mix ■ TR3	BC 1905.3 BC 1913.5	Submit TR3 to complete this item	
☐	☒	Concrete Sampling and Testing ■ TR2	BC 1905.6 BC 1913.10	Submit TR2 to complete this item	

4 Progress Inspection Categories *Required for all applications. ■ indicates report required.*

4A ← Identification of Requirement			4B Identification of Responsibilities	4C Certificate of Complete Inspections / Tests	4D Withdraw Responsibilities
Y	N	Progress Inspections	Code/Section	Initial & Date	Initial & Date
☐	☒	Preliminary	28-116.2.1, BC 110.2		
☐	☒	Footings and Foundation	BC 110.3.1		
☐	☒	Lowest Floor Elevation	BC 110.3.2		
☐	☒	Structural Wood Frame	BC 110.3.3		
☐	☒	Energy Code Compliance Inspections ■ TR8	BC 110.3.5	Submit TR8 to complete this item	
☐	☒	Fire-Resistance Rated Construction	BC 110.3.4		
☐	☒	Public Assembly Emergency Lighting	28-116.2.2		
☐	☒	Final* 28-116.2.4.2, BC 110.5, Directive 14 of 1975, and 1 RCNY §101-10			

* For column 4C, indicate date when the actual final inspection was performed

5 Design Applicant's Statements and Signatures *P.E./R.A. responsible for plans, choose both below and sign/seal.*

☐ I have identified all of the special inspections, progress inspections and tests required for compliance.

☐ I certify that the Special Inspection and Approved Agencies engaged by the owner to supervise the work specified above are acceptable. (BC 1704.1)

Name (please print)

Signature

Date

P.E. / R.A. Seal (apply seal, then sign and date over seal)

6 Owner's Statement and Signature for Progress/Special Inspector *Required when inspection applicant identifies responsibilities.*

I have reviewed the information provided herein and, to the best of my knowledge and belief, attest to its accuracy. I approve the identification of the responsible inspector. Falsification of any statement is a misdemeanor 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 special consideration. Violation is punishable by a fine or imprisonment, or both. I understand that if I am found after hearing to have knowingly or negligently made a false statement or to have knowingly or negligently falsified or allowed to be falsified any certificate, form, signed statement, application, report or certification of the correction of a violation required under the provisions of this code or of a rule of any agency, I may be barred from filing further applications or documents with the Department.

Name (print)

Title

Signature

Date

7 Inspection Applicant's Identification of Responsibilities

Check all that apply below:

☐ For the **special inspections** indicated above in section 3, I certify that I am the principal/director of the special inspection agency accepting responsibility for conducting the inspections. I further certify that I have read the applicable sections of the New York City Construction Codes in connection with special inspections as well as 1 RCNY 101-06 Rule, which specifies the qualifications required for each inspection and that this agency meets those qualifications for each and every special inspection for which I/we take responsibility. I agree that both I and the agency will comply with all provisions of the New York City Construction Codes and the Rule. I am aware of the additional sanctions imposed on false filings by §28-211.1.2 of the Administrative Code.

☐ For the **progress inspections** indicated above in section 4, except energy code inspections on the TR1EN form, and/or **concrete test items** indicated in section 3, I assume the responsibility and I personally, or where permitted by the New York City Construction Codes, qualified personnel under my direct supervision, will perform the required inspections and tests on such forms and in such matter as the Department requires or requests. I am aware of the additional sanctions imposed on false filings by §28-211.1.2 of the Administrative Code.

Final Inspection:

☐ I will make final inspection of the construction work, including those inspections during its progress necessary to my certification upon final inspection that all work substantially conforms to approved construction documents and applicable laws and rules. I will confirm that the performance of progress inspections and other inspections has been documented before I report the work complete. As prescribed by 1 RCNY 101-10, I will perform the final inspection within 1 year from the expiration of the last valid permit of the work.

Upon completion of the work and within 30 days of my final inspection, I will file a certification attesting to the fact that all work was performed and completed in accordance with the approved construction documents, laws and rules, except as reported otherwise.

☐ I understand that my failure to file a certification of completion or to notify the Department of my withdrawal of responsibilities within one year from expiration of the last valid permit may result in the loss of my privileges to file under Directives 2 and 14 of 1975 or issuance of a violation, or both. I am aware of the additional sanctions imposed on false filings by §28-211.1.2 of the Administrative Code.

☐ **Change of Applicant:** I am a newly designated individual responsible for the items specified herein and I hereby state that:

☐ None of the inspections/tests indicated herein have been performed to date by the previously designated individual.

☐ Some of the inspections/tests indicated herein have been performed by the previously designated individual, as indicated in the attached report.

I am aware of the additional sanctions imposed on false filings by §28-211.1.2 of the Administrative Code.

Name (please print)

Signature

Date

P.E. / R.A. Seal (apply seal, then sign and date over seal)

8 Inspection Applicant's Certification of Partial Completion

☐ I have completed the items specified herein and certify that the all work performed substantially conforms to approved construction documents and has been performed in accordance with applicable provisions of the New York City Construction Codes and other designated rules and regulations, except as indicated in the attached report.

☐ **Withdrawal of Applicant:** I am withdrawing responsibility for the items of special/progress inspections and/or tests indicated herein and herewith submit the results or status of the work performed to date.

I am aware of the additional sanctions imposed on false filings by §28-211.1.2 of the Administrative Code.

Name (please print)

Signature

Date

P.E. / R.A. Seal (apply seal, then sign and date over seal)

9 Inspection Applicant's Certification of Full Completion

All work performed substantially conforms to approved construction documents and has been performed in accordance with applicable provisions of the New York City Construction Codes and other designated rules and regulations.

I am aware of the additional sanctions imposed on false filings by §28-211.1.2 of the Administrative Code.

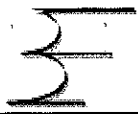
Name (please print) Brian E. Flynn, PE

Signature

Date
08-07-15

P.E. / R.A. Seal (apply seal, then sign and date over seal)





Soil Boring & Rock Coring Drilling Log B1

Boring Report #15156

Client: Mr. Andrew Zoitaz
36-33 31 Street
Long Island City, NY 11106

August 7, 2015

Boring: B1**Started on:** 8/6/15**Site:** 36-33 31 Street, Queens**Block:** 600 **Lot:** 12**Boring Start Elevation from curb:** (-) 1'-06"**Water found at:** b/w 14'-0" to 15'-0"**Boring Rig:** CME-45C **Hammer:** 140 lbs @ 30 inch drop**Boring Advancement:** Auger**Driller:** Dolvan, **Helper:** Daniel**Boring Inspector:** Eduardo Perez

Sample Number	Boring Depth	Sample Description	Sample Recovery	Blow Count		Remarks
S-1	0' - 2'	Uncontrolled fill silty sand and debris (Fill) Class 7, 1968 Code Class 11-65, NPT is 6	10''	0	3	6'' of asphalt and s/base. Construction debris.
				3	3	
S-2	5' - 7'	Dense brown m-f sand little silt (SP) Class 3a, 1968 Code Class 7-65, NPT is 30	16''	6	14	
				16	15	
S-3	10' - 12'	Medium dense brown c-m-f-sand with f-gravel (SW) Class 3b, 1968 Code Class 7-65, NPT is 23	17''	11	12	Moist soil
				11	14	
S-4	15' - 17'	Medium dense brown m-f-sand little f-gravel (SP) Class 3b, 1968 Code Class 7-65, NPT is 17	20''	9	8	Water observed b/w 14'-0'' to 15'-0''
				9	10	
S-5	20' - 22'	Medium dense brown m-f-sand little f-gravel (SP) Class 3b, 1968 Code Class 7-65, NPT is 14	20''	6	7	Saturated soil
				7	9	
S-6	25' - 27'	Medium dense brown c-m-f-sand trace f-gravel (SW) Class 3b, 1968 Code Class 7-65, NPT is 24	20''	10	12	Saturated soil
				12	14	



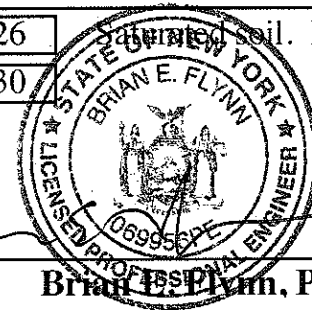
Brian E. Flynn, PE, PC

Boring: B1 Started on: 8/6/15

Boring Report #15156

Site: 36-33 31 Street, Queens, Block: 600 Lot: 12

S-7	30' - 32'	Dense brown f-sand (SP) Class 3a, 1968 Code Class 7 -65, NPT is 35	20"	<table><tr><td>10</td><td>15</td></tr><tr><td>20</td><td>18</td></tr></table>	10	15	20	18	Saturated soil
10	15								
20	18								
S-8	35' - 37'	Dense brown f-sand (SP) Class 3a, 1968 Code Class 7 -65, NPT is 37	21"	<table><tr><td>15</td><td>18</td></tr><tr><td>19</td><td>15</td></tr></table>	15	18	19	15	Saturated soil
15	18								
19	15								
S-9	40' - 42'	Dense brown f-sand (SP) Class 3a, 1968 Code Class 7 -65, NPT is 34	20"	<table><tr><td>19</td><td>17</td></tr><tr><td>17</td><td>18</td></tr></table>	19	17	17	18	Saturated soil
19	17								
17	18								
S-10	45' - 47'	Dense brown f-sand (SP) Class 3a, 1968 Code Class 7 -65, NPT is 33	17"	<table><tr><td>12</td><td>15</td></tr><tr><td>18</td><td>22</td></tr></table>	12	15	18	22	Saturated soil
12	15								
18	22								
S-11	50' - 52'	Dense brown f-sand (SP) Class 3a, 1968 Code Class 7 -65, NPT is 58	21"	<table><tr><td>13</td><td>26</td></tr><tr><td>32</td><td>30</td></tr></table>	13	26	32	30	Saturated soil. End of boring.
13	26								
32	30								



Brian E. Flynn, PE



Soil Boring & Rock Coring Drilling Log B2

Boring Report #15157

Client: Mr. Andrew Zoitaz
36-33 31 Street
Long Island City, NY 11106

August 7, 2015

Boring: B2**Started on:** 8/5/15**Site:** 36-33 31 Street, Queens**Block:** 600 **Lot:** 12**Boring Start Elevation from curb:** (-) 1'-06"**Water found at:** b/w 17'-0" to 20'-0"**Boring Rig:** CME-75 **Hammer:** 140 lbs @ 30 inch drop**Boring Advancement:** Mud Drilling**Driller:** Kostas, **Helper:** Javier**Boring Inspector:** Eduardo Perez

Sample Number	Boring Depth	Sample Description	Sample Recovery	Blow Count		Remarks				
S-1	0' - 2'	Uncontrolled fill silty sand and debris (Fill) Class 7, 1968 Code Class 11-65, NPT is 5	14"	<table><tr><td>0</td><td>3</td></tr><tr><td>2</td><td>2</td></tr></table>	0	3	2	2		6" of asphalt and s/base. Construction debris.
0	3									
2	2									
S-2	5' - 7'	Medium dense brown f-sand trace silt (SP) Class 3b, 1968 Code Class 7-65, NPT is 16	18"	<table><tr><td>7</td><td>7</td></tr><tr><td>9</td><td>11</td></tr></table>	7	7	9	11		
7	7									
9	11									
S-3	10' - 12'	Medium dense brown c-m-f-sand trace f-gravel (SW) Class 3b, 1968 Code Class 7-65, NPT is 18	17"	<table><tr><td>7</td><td>8</td></tr><tr><td>10</td><td>9</td></tr></table>	7	8	10	9		Moist soil
7	8									
10	9									
S-4	15' - 17'	Medium dense brown c-m-f-sand littel f-gravel (SW) Class 3b, 1968 Code Class 7-65, NPT is 14	8"	<table><tr><td>8</td><td>7</td></tr><tr><td>7</td><td>4</td></tr></table>	8	7	7	4		Moist soil
8	7									
7	4									
S-5	20' - 22'	Medium dense brown m-f-sand (SP) Class 3b, 1968 Code Class 7-65, NPT is 12	14"	<table><tr><td>6</td><td>6</td></tr><tr><td>6</td><td>6</td></tr></table>	6	6	6	6		Water observed b/w 17'-0" to 20'-0"
6	6									
6	6									
S-6	25' - 27'	Medium dense brown f-sand (SP) Class 3b, 1968 Code Class 7-65, NPT is 21	17"	<table><tr><td>9</td><td>11</td></tr><tr><td>10</td><td>14</td></tr></table>	9	11	10	14		Saturated soil
9	11									
10	14									
S-7	30' - 32'	Medium dense brown f-sand (SP) Class 3b, 1968 Code Class 7-65, NPT is 23	15"	<table><tr><td>10</td><td>11</td></tr><tr><td>12</td><td>14</td></tr></table>	10	11	12	14		Saturated soil
10	11									
12	14									



Brian E. Flynn, PE, PC

Boring: B2 Started on: 8/5/15

Boring Report #15157

Site: 36-33 31 Street, Queens, Block: 600 Lot: 12

S-8	35' - 37'	Dense brown f-sand (SP) Class 3a, 1968 Code Class 7 -65, NPT is 32	15"	15 16	16 19	Saturated soil
S-9	40' - 42'	Medium dense brown f-sand (SP) Class 3b, 1968 Code Class 7-65, NPT is 25	16"	14 13	12 13	Saturated soil
S-10	45' - 47'	Medium dense brown f-sand (SP) Class 3b, 1968 Code Class 7-65, NPT is 29	16"	13 15	14 16	Saturated soil
S-11	50' - 52'	Medium dense brown f-sand (SP) Class 3b, 1968 Code Class 7-65, NPT is 29	20"	13 15	14 16	Saturated soil
S-12	55' - 57'	Dense brown f-sand (SP) Class 3a, 1968 Code Class 7 -65, NPT is 33	20"	17 16	17 16	Saturated soil
C-13	57' - 61'	Medium hard rock gneiss (boulder) (Rock) Class 1b, 1968 Code Class 2-65	36"			Used core-barrel. RQD = 53.3 (Fair), foliation = flat
S-14	65' - 67'	no sample	0"	60		Refusal at 65'-1". No recovery.
S-15	70' - 72'	Dense c-gravewl (GP) Class 2a, 1968 Code Class 6-65	1"	60		Blocked spoon at 70 1/2"
S-16	75' - 77'	no sample	0"	100		Refusal at 75'-0". No recovery.
S-17	80' - 82'	no sample	0"	100		Refusal at 80'-0". No recovery.
S-18	85' - 87'	Soft rock brown c-m-f-silty sand and gravel (SP) Class 1d, 1968 Code Class 4-65, NPT is 100	12"	63	100	Refusal at 85'-9". Possible decomposed rock (schist). Saturated soil.
S-19	90' - 92'	Soft rock lime stone little schist gravel (SP) Class 1d, 1968 Code Class 4-65, NPT is 105	22"	26 55	50 50	Saturated soil.



Brian E. Flynn, PE, PC

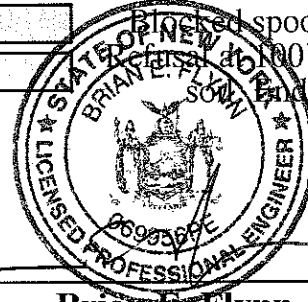
Boring: B2 Started on: 8/5/15

Boring Report #15157

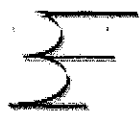
Site: 36-33 31 Street, Queens, Block: 600 Lot: 12

S-20	95' - 97'	Soft rock limestone little gravel (SP) Class 1d, 1968 Code Class 4-65, NPT is 111	20"	<table border="1"><tr><td>49</td><td>51</td></tr><tr><td>60</td><td>100</td></tr></table>	49	51	60	100	Saturated soil.
49	51								
60	100								

S-21	100' - 102'	Dense light-gray m-f sandy clay with c-gravel (SC) Class 4a, 1968 Code Class 9-65	2"	<table border="1"><tr><td>100</td><td></td></tr><tr><td></td><td></td></tr></table>	100				Blocked spoon at 100'-02". End of boring. Saturated
100									



Brian E. Flynn, PE



Soil Boring & Rock Coring Drilling Log B3

Boring Report #15158

Client: Mr. Andrew Zoitaz
36-33 31 Street
Long Island City, NY 11106

August 7, 2015

Boring: B3**Started on:** 8/6/15**Site:** 36-33 31 Street, Queens**Block:** 600 **Lot:** 12**Boring Start Elevation from curb:** (-) 00'-06"**Water found at:** b/w 18'-0" to 20'-0"**Boring Rig:** CME-45C **Hammer:** 140 lbs @ 30 inch drop**Boring Advancement:** Mud Drilling**Driller:** Dolvan, **Helper:** Daniel**Boring Inspector:** Eduardo Perez

Sample Number	Boring Depth	Sample Description	Sample Recovery	Blow Count		Remarks
S-1	0' - 2'	Uncontrolled fill silty sand and debris (Fill) Class 7, 1968 Code Class 11-65, NPT is 7	10"	0	4	6" of asphalt and s/base. Construction debris.
				3	4	
S-2	5' - 7'	Medium dense red brown m-f sand little silt (SP) Class 3b, 1968 Code Class 7-65, NPT is 10	20"	4	5	
				5	5	
S-3	10' - 12'	Medium dense brown f-sand (SP) Class 3b, 1968 Code Class 7-65, NPT is 12	12"	6	6	
				6	7	
S-4	15' - 17'	Medium dense brown f-silty sand (SM) Class 3b, 1968 Code Class 7-65, NPT is 10	12"	4	5	
				5	6	
S-5	20' - 22'	Medium dense brown f-sand (SP) Class 3b, 1968 Code Class 7-65, NPT is 13	12"	7	7	Water observed b/w 18'-0" to 20'-0"
				6	7	
S-6	25' - 27'	Medium dense brown m-f-sand (SP) Class 3b, 1968 Code Class 7-65, NPT is 21	15"	9	10	Saturated soil
				11	13	
S-7	30' - 32'	Medium dense brown f-sand (SP) Class 3b, 1968 Code Class 7-65, NPT is 26	16"	10	13	Saturated soil
				13	13	



Brian E. Flynn, PE, PC

Boring: B3 Started on: 8/6/15

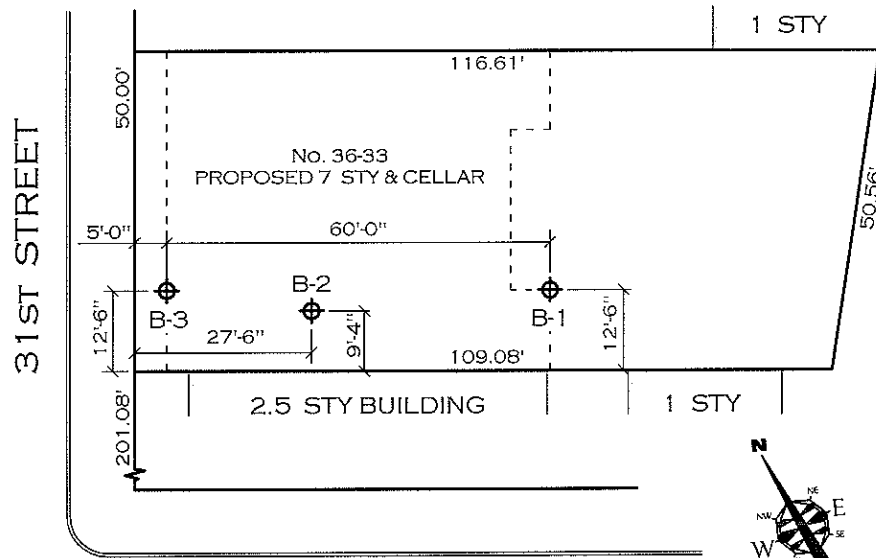
Boring Report #15158

Site: 36-33 31 Street, Queens, Block: 600 Lot: 12

S-8	35' - 37'	Medium dense brown m-f-sand (SP) Class 3b, 1968 Code Class 7-65, NPT is 28	24"	<table><tr><td>12</td><td>13</td></tr><tr><td>15</td><td>15</td></tr></table>	12	13	15	15	Saturated soil
12	13								
15	15								
S-9	40' - 42'	Medium dense brown f-sand (SP) Class 3b, 1968 Code Class 7-65, NPT is 25	24"	<table><tr><td>12</td><td>12</td></tr><tr><td>13</td><td>14</td></tr></table>	12	12	13	14	Saturated soil
12	12								
13	14								
S-10	45' - 47'	Dense brown f-sand (SP) Class 3a, 1968 Code Class 7-65, NPT is 30	20"	<table><tr><td>13</td><td>15</td></tr><tr><td>15</td><td>17</td></tr></table>	13	15	15	17	Saturated soil
13	15								
15	17								
S-11	50' - 52'	Dense brown f-sand (SP) Class 3a, 1968 Code Class 7-65, NPT is 39	21"	<table><tr><td>14</td><td>17</td></tr><tr><td>22</td><td>27</td></tr></table>	14	17	22	27	End of boring.
14	17								
22	27								



Brian E. Flynn, PE

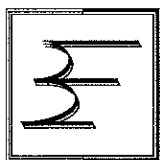


SITE PLAN

SCALE: 1" = 30'

LEGEND:

- ⊕ BORING
- ⊕ BORING & PERC. TEST
- ▣ TEST PIT



BRIAN E. FLYNN P.E.
78-66 79th PLACE, GLENDALE NY 11385
PHONE: (718) 894-7822, FAX: (718) 894-7833
E-MAIL: BEFlynnPE@MAC.com

JOB ADDRESS:

36-33 31st STREET
QUEENS, NY 11106

TITLE:

BORING

DATE:

08/13/15

SEAL & SIGNATURE

BLOCK:
600

LOT:
12

DRAWN BY:
MSP

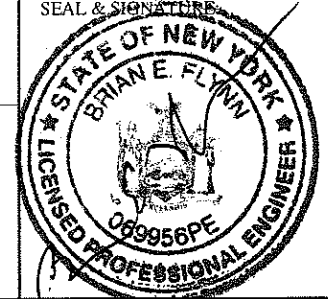
DRAWING NO.:

PROJECT NO.:
C-3867

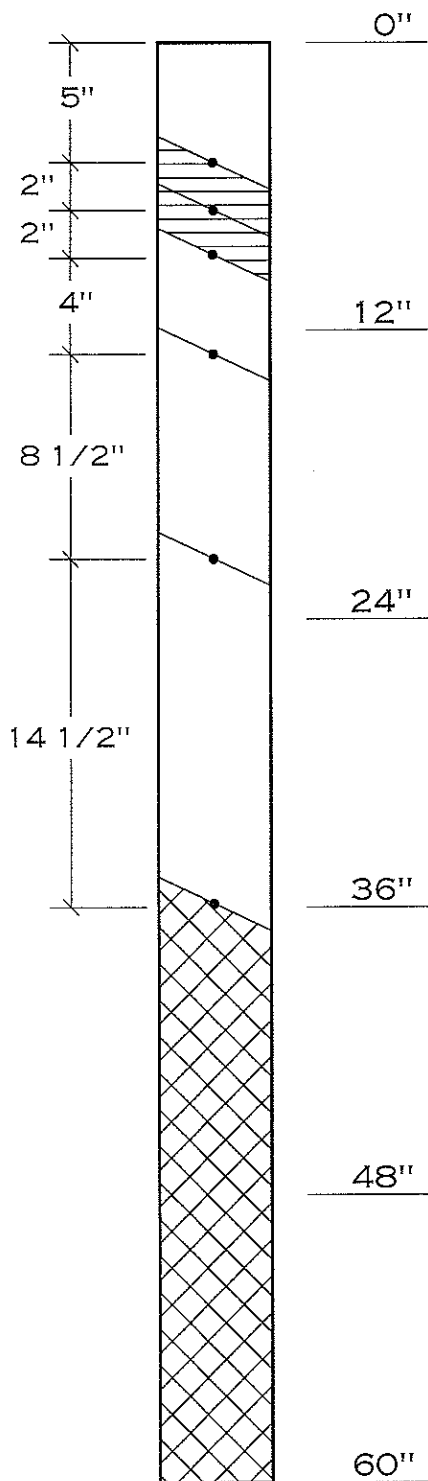
SCALE:
AS-NOTED

CHECKED BY:
BEF

B-PP01



ROCK CORE SKETCH



ROCK CORE DEPTH: 57' TO 61' AT B-2

ROCK QUALITY DESIGNATION:

$$\% \text{ RQD} = \frac{\text{SUM OF PIECES} > 4"}{60} \times 100$$

$$\% \text{ RQD} = \frac{32}{60} \times 100$$

$$\% \text{ RQD} = 53.3 \%$$

ROCK CLASSIFICATION:

50 - 75 % (FAIR)

ROCK DESCRIPTION:

ROCK TYPE: METAMORPHIC

ROCK HARDNESS: MEDIUM HARD

FRACTURE SPACING: FRACTURED (2 IN - 1 FT)

FOLIATION (DIP): FLAT (0° TO 5°)

LEGEND



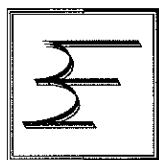
NO RECOVERY



CHIPS & FRAGMENTS



PIECES



BRIAN E. FLYNN P.E.
78-66 79th PLACE, GLENDALE NY 11385
PHONE: (718) 894-7822, FAX: (718) 894-7833
E-MAIL: BEFlynnPE@MAC.com

JOB ADDRESS:
36-33 31st STREET
QUEENS, NY 11106

BLOCK:
600

LOT:
12

PROJECT NO.:
C-3867

SCALE:
AS-NOTED

TITLE:
ROCK CORE
@ B-02

DRAWN BY:
MSP

CHECKED BY:
BEF

DATE:
08/13/15

DRAWING NO.:

B-RC01

