Dynamic Earth, LLC
245 Main Street, Suite 110
Chester, NJ 07930
T. 908-879-7095

Date: May 26, 2023
Via email: justin.drysdale@brookfieldproperties.com
lisa.lyng@brookfieldproperties.com

IV2 ROCKLAND LOGISTICS CENTER, LLC
C/O BROOKFIELD PROPERTIES
1 Meadowlands Plaza, Suite 200
East Rutherford, New Jersey 07073

Attn: Justin Drysdale
Lisa Lyng

RE: Supplemental Geotechnical Investigation
Memo Summary
Proposed Rockland Logistics Center
25 Old Mill Road & Hemion Road
Section 55.22, Block 1, Lot 1
Village of Suffern, Rockland County, New York
Dynamic Earth No.: 370999004EC

Dear Mr. Drysdale and Ms. Lyng,

Dynamic Earth, LLC (Dynamic Earth) recently completed our supplemental subsurface evaluation for the subject site. Due to project timelines, the results of our investigation and potential recommendations are included in the following executive summary.

1.0 PROJECT DESCRIPTION

At the time of Dynamic Earth's supplemental investigation, the existing structure was in the process of being demolished and a remanent concrete slab still remained. The remaining portions of the site included undeveloped grass/landscaped areas, existing pavement areas, and wooded terrain. An aboveground basin/water feature was located within the central/southern portion of the subject site. Topographic information was provided on an August 16, 2021 *ALTA/NSPS Land Title Survey* prepared by Dynamic Survey, LLC. Existing site elevations range between approximately 365 feet within the southern portion of the site and 300 feet within the northern portion of the site. Elevations provided in this report are referenced to the 1988 North American Vertical Datum (NAVD88), unless otherwise noted.

Based on a May 24, 2023 (latest revision) *Overall Grading Plan* prepared by Dynamic Engineering Consultants, PC (Dynamic), the proposed site redevelopment will include the construction of three warehouse buildings and associated improvement, as generally summarized below:

- **Proposed Building #1:** Will be located within the central portion of the site and will occupy a footprint area of approximately 963,100 square feet. Earth fills on the order of four to nine feet are expected to achieve the proposed finished floor elevation of 315.5 feet.
- **Proposed Building #2:** Will be located within the southwestern portion of the site and will occupy a footprint area of approximately 170,500 square feet. Earth fills on the order of two to 15 feet are expected to achieve the proposed finished floor elevation of 320.0 feet.
- **Proposed Building #3:** Will be located within the southeastern portion of the site and will occupy a footprint area of approximately 88,200 square feet. Earth fills on the order of two to 12 feet are expected to achieve proposed finished floor elevation of 321.5 feet.
- Additional site improvement include associated pavements, utilities, retaining walls, and stormwater management facilities.

2.0 SCOPE OF SERVICES

Dynamic Earth was authorized to conduct the supplemental geotechnical investigation in accordance with our May 25, 2023 *Contract Amendment Request No. 7* to Ms. Lisa Lyng of Brookfield Properties.

The scope of our supplemental exploration and analysis included site geological research and site evaluation, supplemental subsurface exploration, field testing and sampling, laboratory testing and geotechnical engineering analysis and evaluation of the subsurface materials. This letter is limited to addressing the site conditions as they relate to the physical support of the proposed construction for proposed Buildings 1, 2, and 3.

Dynamic Earth previously performed an investigation in support of proposed stormwater management facilities and the results were issued in an August 27, 2021 *Stormwater Basin Area Investigation Report*. Dynamic Earth also performed previous subsurface investigations for the former developer and the results were provided in a December 9, 2022 (Updated) *Report of Preliminary Geotechnical Investigation* and December 9, 2022 (Updated) *Stormwater Basin Area Investigation*. The results of these previous investigations are included herein as applicable.

Environmental conditions were evaluated by Dynamic Earth and the results of these evaluations were issued on a July 28, 2020 *Phase II Site Investigation report*, a June 10, 2022 *Hazardous Materials Survey*, and an October 11, 2022 *Asbestos Survey of Boils/Spray-On Fireproofing.*

2.1 Field Investigation

Field exploration of this supplemental investigation was conducted by the means of 24 soil borings (identified as borings B-101 through B-122 and two offset borings identified as B-107A and B-113A) and 27 structural test pits (identified as test pits TP-1 through TP-27). The soil borings were performed with both track- and truck- mounted drilling equipment and the test pits were performed with track-mounted excavators. Our scope of work also included performing ground penetrating radar to locate the existing waterline within the southern portion of the site. Our previous investigations included performing 12 soil borings (identified as borings B-1 through B-11 and offset locations B-8A), 29 soil profile pits (identified as SPP-101 through SPP-129), and 29 infiltration tests (identified as IT-1 through IT-29).

Soil borings and standard penetration tests (SPTs) were conducted in general accordance with ASTM D6151 (Standard Practice for Using Hollow-Stem Augers for Geotechnical Exploration and Soil Sampling) and ASTM D1586 (Standard Test Method for Standard Penetration Test and Split Barrel Sampling of Soils). The SPT resistance value (N) is used extensively in conjunction with may correlations which relate to blow count, or SPT N-value to engineering behavior of soils to develop foundation and earthwork recommendations. Unconfined compressive strength (Qp) values were assessed with a pocket penetrometer within the fine-grained soils.

Groundwater level observations were recorded during and at the completion of field operations prior to backfilling the borings. Seasonal variations, temperature, anthropogenic, seasonality, soil permeability, and precipitation will influence the actual and observed groundwater levels. Groundwater elevations derived from sources other than seasonally observed groundwater monitoring wells may not be representative of true groundwater levels.

2.2 Laboratory Testing Program

The laboratory testing program is currently being performed at the time of this letter and the results will be included in our final supplemental geotechnical investigation report.

3.0 SUMMARY OF SUBSURFACE CONDITIONS

The supplemental investigation included a review of published geology and available information within the area of the subject site, and presenting a summary of the subsurface conditions encountered as part of our supplemental subsurface exploration. The results of our review and subsurface conditions encountered are summarized below.

3.1 Site Geology

The subject site is located in a region of the Piedmont Physiographic Province of New York known as the Newark Basin. The Newark Basin contains rocks of the Newark Super Group which is a stratigraphic series of Triassic to Jurassic age sedimentary rocks containing intrusive sills and dikes as well as extrusive volcanics. The formations mapped within the area of the site include the Hammer Formation which reportedly consists of conglomerate; and the Ladentown diabase and basaltic lava which reportedly consists of basalt.

The surficial deposits at the site reportedly include outwash sand and gravel (Og) consisting of coarse to fine stratified sand. Overlying materials also include manmade fill material.

3.2 Historical Aerial Review

A review of historic aerial imagery was performed to provide a history of the subject site. A summary of the site conditions based on the historic aerials, as they pertain to this investigation, is summarized below.

- **1952:** The site was depicted as agricultural farmland and included two apparent ponds in the northern and central/southern portion of the site. Former roadways were evident running through the southern and eastern portion of the site.

- **1965:** The pond within the northern portion of the site appears to have been filled in, and a commercial structure was depicted in the northern portion of the site (near the area of the apparent filled in pond). Pavement areas were depicted within the northern portion of the site and a roadway was depicted in the central portion of the site. The agricultural farmland and former roadways from 1953 were no longer depicted. The New York State Throughway was depicted to the north of the site.

- **1974:** Commercial structures were depicted within the central and southern portions of the site. The remainder of the site appears to be relatively unchanged.

- **1995:** An addition to the existing commercial structure was depicted that extended the structure to the eastern portion of the site. A roadway was depicted within the southeastern portion of the site. The remainder of the site was relatively unchanged.

- **2019:** There are no significant changes depicted between 1995 and 2019 at the site.

3.3 Subsurface Conditions Encountered

The supplemental soil borings and test pits were performed within existing undeveloped grass covered areas, pavement areas, and within the area of the existing slab. A general summary of the supplemental subsurface conditions encountered is summarized below:

- **Surface Cover:** Test locations performed within existing undeveloped areas encountered approximately three to 12 inches of topsoil, and locations within pavement areas encountered approximately six to nine inches of asphaltic concrete. Test locations performed within the existing floor slab revealed the existing slab ranged in thickness between five inches and 24 inches

in thickness. The relatively thicker slab areas were located within the southern portion of the existing slab area. The existing slabs appeared to contain steel reinforcing at each tested location.

- **Existing Fill Material:** Beneath the surface cover and/or at the surface, existing fill material was encountered that generally consisted of sand, gravel, and silt with variable amounts of clay and debris (brick, masonry, ceramics, wood, lumber, glass, asphalt, metal, lumber, fabric, PVC piping, wire, tarp, roots, buried topsoil, concrete, and rubber). The existing fill material was typically encountered to depths ranging between one foot and 15 feet below the ground surface; corresponding to elevations ranging between 314.9 feet and 297.0. A relatively deeper area of existing fill material was encountered within the northwestern portion of the existing slab area to a depth of up to 25 feet below the ground surface; corresponding to an elevation of 287.0 feet. Based on review of historic aerial images circa 1952, this area of relatively deeper fill is consistent with an apparent former pond within the northern portion of the site.

- **Natural Glacial Deposits:** Beneath the existing fill material, natural glacial deposits were encountered that generally consisted of sand (USCS: SP, SP-SM, SM, and SC), gravel (USCS: GP and GP-GM), silt (USCS: ML) and clay (USCS: CL). The natural glacial deposits were encountered to termination and refusal depths ranging between approximately 6.5 feet and 42 feet below the ground surface; corresponding to elevations ranging between approximately 309.4 feet and 265.6 feet. Relatively loose/very loose zones were encountered at variable depths within this stratum.

- **Groundwater:** Groundwater was encountered at depths ranging between approximately two feet and 23 feet below the ground surface; corresponding to elevations ranging between 318.5 feet and 296.3 feet. Apparent perched groundwater was encountered at isolated layers throughout the site at depths ranging between approximately 0.5 feet and 5.2 feet below the ground surface; corresponding to elevations ranging between 318.8 feet and 305.8 feet. During our previous investigations, indicators of seasonal high groundwater (i.e. soil mottling) were observed within the soil profile pits at depths ranging between approximately one foot and 5.4 feet below the ground surface; corresponding to elevations ranging between 309.0 feet and 299.7 feet. Groundwater levels are expected to fluctuate seasonally and following periods of significant precipitation.

4.0 SUMMARY OF POTENTIAL RECOMMENDATIONS

The results of the subsurface conditions are in the process of being compiled and potential foundation recommendations are being evaluated. The final recommendations will be contingent upon completion of the laboratory testing program and engineering analysis, but the general recommendations for each building are summarized below to assist with the overall project timeline.

4.1 Building 1 (963,100 square feet):

Existing Slab: Portions of the existing slab may be suitable to remain in place below proposed floor slab areas, provided the slab is properly fractured in order to promote vertical drainage. Alternatively, existing concrete foundations and floor slabs may be fully removed, processed to an acceptable size, and reused on-site as structural fill material. We recommend a cost/benefit analysis should be performed by the general contractor and project team to review the cost effectiveness of fracturing the slab in place versus complete removal, processing, and reusing the recycled concrete material on-site as structural fill. **Areas of the existing slab that are located below proposed foundation zones (defined by a 1:1 horizontal vertical ratio from the edge of the proposed footing) will need to be fully removed, and the subgrade soils below proposed foundations will need to be carefully inspected and tested (as detailed below).**

Proposed Foundations: Following demolition and removal of the existing slab below proposed foundation influence zones, proposed foundations may be designed to bear within approved portions of the on-site soils and/or newly placed compacted structural fill material placed to raise site grades. **Existing fill**

material containing deleterious debris will need to be overexcavated and replaced with approved structural fill material, and careful construction testing and inspection will be required to confirm unsuitable materials are removed below the proposed foundation influence zones. Due to the areas of relatively deeper existing fill material encountered within the northern portion of the proposed building pad, relatively deeper overexcavation and replacement should be anticipated within this area, and the contractor should anticipate the need for groundwater control. **Following overexcavation and replacement, foundations are anticipated to be designed to impart a maximum allowable bearing pressure of 3,000 pounds per square foot (psf).** Alternatively, a targeted ground improvement program may be considered as opposed to overexcavation and replacement (as detailed below).

Ground Improvement: As alternative to overexcavation and replacement, specialty ground improvement techniques (such as installation of aggregate piers) are considered feasible to improve the on-site soils and allow for subsequent installation of a shallow foundation system. A targeted ground improvement may be considered to minimize overexcavation below the groundwater level where the relatively deep existing fill material was encountered within the northern portion of the building footprint (within the area of the apparent filled in pond). We recommend a cost benefit analysis should be performed by the project team and the General Contractor to review if ground improvement or overexcavation and replacement is more economical within this area. If ground improvement with aggregate piers is elected, a bearing capacity on the order of 4,000 psf may be feasible, although the maximum allowable bearing capacity will need to be confirmed by the specialty ground improvement contractor.

Proposed Floor Slab: Proposed floor slabs may be designed to bear within compacted structural fill material placed over approved on-site materials. **Prior to placement of new structural fill to raise site grades, existing subgrade materials will need to be proofolled and inspected in the presence of the on-site geotechnical engineer to identify potential unsuitable conditions prior to raising site grades.** If the existing slab is to be fractured and remain in place below the proposed slab, a separation fabric should be installed to prior to raising site grades with structural fill material. **However, overexcavation of the existing fill material and removal of the existing slab should be expected within the proposed new floor slab area within the area of the documented historical pond where more extensive debris was encountered. The approximate location is shown on the enclosed *Test Location Plan* but the extents of the removal will need to be confirmed during construction.** Properly prepared on-site soils are expected to yield a minimum subgrade modulus (k) of 125 psi/in.

<u>Building 2 (170,500 square feet) & Building 3 (88,200 square feet):</u>

Proposed Foundations: Proposed foundations may be designed to bear within approved portions of the on-site soils and/or newly placed compacted structural fill material placed to raise site grades. **Existing fill material containing deleterious debris will need to be overexcavated and replaced with approved structural fill material, and careful construction testing and inspection will be required to confirm unsuitable materials are removed below the proposed foundation influence zones.** Since the existing fill material extended beneath the groundwater table at certain locations, relatively deeper overexcavation and replacement and the need for groundwater control should anticipated by the contractor. **Following overexcavation and replacement, foundations are anticipated to be designed to impart a maximum allowable bearing pressure of 3,000 pounds per square foot (psf).** Alternatively, a targeted ground improvement program may be considered as opposed to overexcavation and replacement (as detailed below).

Ground Improvement: As alternative to overexcavation and replacement, specialty ground improvement techniques (such as installation of aggregate piers) are considered feasible to improve the on-site soils and allow for subsequent installation of a shallow foundation system. We recommend a cost benefit analysis should be performed by the project team and the General Contractor to review if ground improvement or overexcavation and replacement is more economical for proposed Buildings 2 and 3. If ground improvement with aggregate piers is elected, a bearing capacity on the order of 4,000 psf may be feasible,

although the maximum allowable bearing capacity will need to be confirmed by the specialty ground improvement contractor.

Proposed Floor Slab: Proposed floor slabs may be designed to bear within compacted structural fill material placed over approved on-site materials. **Prior to placement of new structural fill to raise site grades, existing subgrade materials will need to be proofolled and inspected in the presence of the on-site geotechnical engineer to identify potential unsuitable conditions prior to raising site grades.** Due to the deleterious debris encountered within the existing fill material, at least partial overexcavation and replacement and/or subgrade stabilization should be anticipated below proposed floor slabs. Properly prepared on-site soils are expected to yield a minimum subgrade modulus (k) of 125 psi/in.

Earthwork and Groundwater Control:

Groundwater Control: Groundwater control should be anticipated during overexcavation and replacement and/or within relatively deeper utility excavations, as applicable. While groundwater control means and methods are the responsibility of the contractor, we preliminarily anticipate that excavations extending to depths of approximately two feet below the groundwater elevation may be controlled by sump pumps and strategically placed sump pits for relatively small areas. Larger excavations and excavations extending deeper than two feet below groundwater may require deeper well recovery points.

Reuse of On-Site Soils: The on-site soils (above the groundwater level) are preliminarily anticipated to be suitable for reuse as structural fill material, provided moisture contents are within tolerable limits to achieve compaction and oversized and deleterious debris is separated. Portions of the on-site soil are considered moisture sensitive and will likely require moisture conditioning during a period of favorable weather. The on-site soils will likely become impractical for reuse if exposed to moisture.

The preliminary recommendations outlined in this memo will need to be confirmed following completion of our engineering analysis and laboratory testing, and following review of the final structural plans and loading conditions. Formal recommendations will be included in our supplemental geotechnical report.

Sincerely,

DYNAMIC EARTH, LLC

Francis Van Cleve
Principal

Patrick J. Granitzki, P.E.
Principal

Cc: Scot Hume (Dynamic Earth, LLC)
Josh Sewald (Dynamic Engineering Consultants, PC)
Ryan McDermott (Dynamic Engineering Consultants, PC)

FVC/PJG O:\EARTH Projects\3709 Brookfield Properties\99-004EC Suffern NY\Reports by Dearth\Drafts\Brookfield Properties-370999004EC-Subsurface Condition Summary.doc

5.0 GENERAL LIMITATIONS

Supplemental recommendations will be required upon finalization of conceptual site plans or if significant changes are made in the characteristics or location of the proposed structures. Dynamic Earth should be included as a consultant to the design team and should be provided final plans for review to confirm these criteria apply or to modify recommendations as necessary.

The recommendations presented herein should be utilized by a qualified engineer in preparing preliminary design concepts and site grading. The engineer should consider these recommendations as minimum physical standards that may be superseded by local and regional building codes and structural considerations. These recommendations are prepared for the use of the client for the specific project detailed and should not be used by any third party. These recommendations are relevant to the preliminary design phase and should not be substituted for construction specifications.

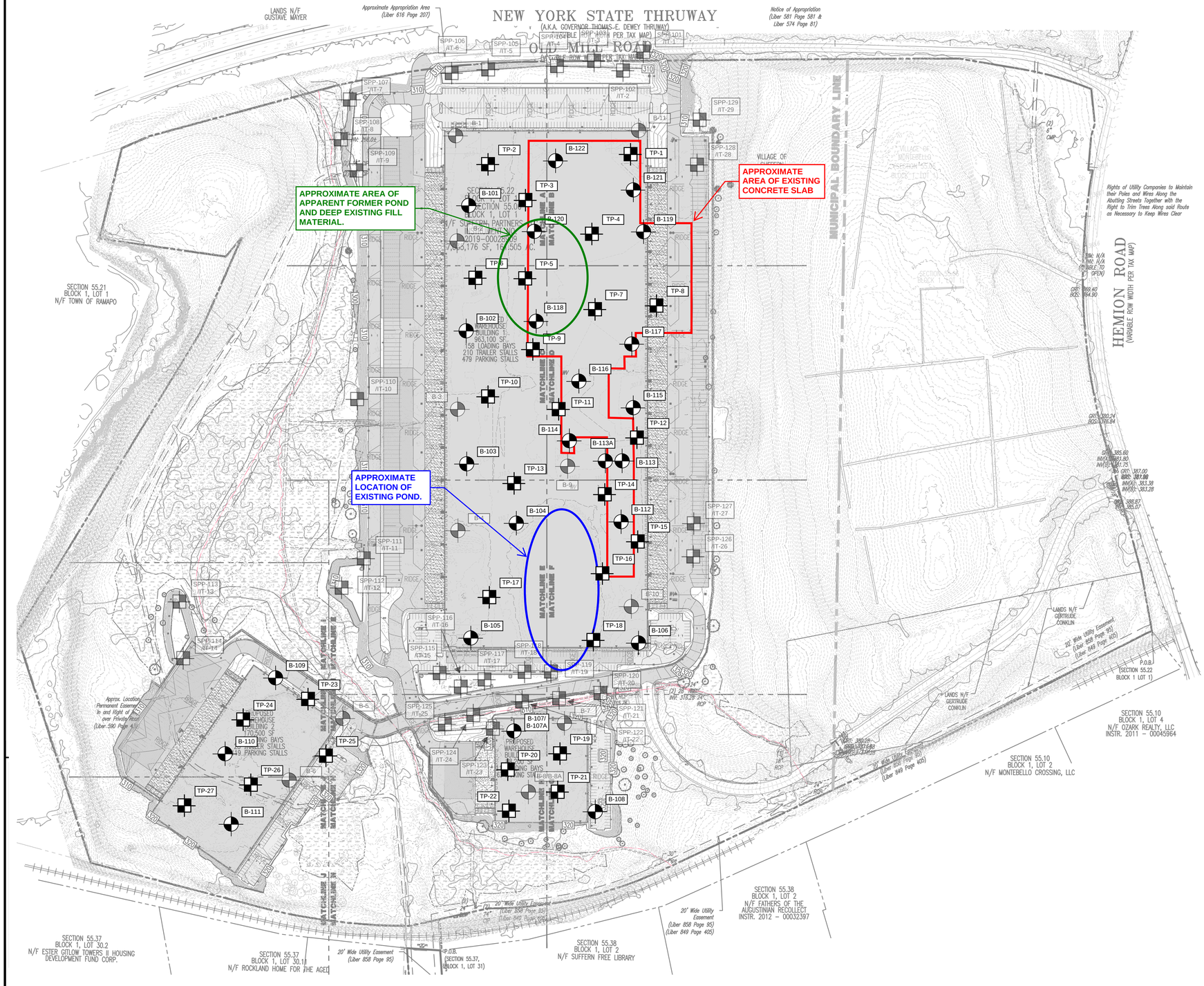
The possibility exists that conditions between test locations may differ from those at specific test pit locations, and conditions may not be as anticipated by the designers or contractors. In addition, the construction process may itself alter soil conditions. Therefore, Dynamic Earth Geotechnical Engineers or their representatives should observe and document the final construction procedures used and the conditions encountered, as well as conduct testing and inspection to ensure the design criteria are met or recommendations to address deviations are implemented.

Dynamic Earth assumes that a qualified contractor will be employed to perform the construction work, and that the contractor will be required to exercise care to ensure all excavations are performed in accordance with applicable regulations and good practice. Particular attention should be paid to avoiding damaging or undermining adjacent properties and maintaining slope stability.

The exploration and analysis of the foundation conditions reported herein are presented to form a reasonable basis for preliminary site evaluation. The recommendations submitted for the proposed construction are based on the available soil information and the preliminary design details furnished or assumed. Deviations from the noted subsurface conditions encountered during construction should be brought to the attention of the geotechnical engineer.

The geotechnical engineer warrants that the findings, recommendations, specifications, or professional advice contained herein have been promulgated after being prepared in accordance with generally accepted professional engineering practice in the fields of foundation engineering, soil mechanics, and engineering geology. No other warranties are implied or expressed.

Supplemental Test Location Plan



LEGEND:

- B-X — APPROXIMATE LOCATION OF SOIL BORING - JULY 2022
- SPP-X /IT-X — APPROXIMATE LOCATION OF SOIL PROFILE PIT AND INFILTRATION TEST - OCTOBER 2021
- B-1XX — APPROXIMATE LOCATION OF SOIL BORING - MAY 2023
- TP-X — APPROXIMATE LOCATION OF TEST PIT - MAY 2023

NOTES:

1. THIS PLAN IS NOT FOR CONSTRUCTION AND WAS PREPARED TO ILLUSTRATE TEST LOCATIONS ONLY AND MAY NOT REFLECT THE MOST CURRENT REVISION OF THE BASE PLAN.
2. BASE PLAN OBTAINED FROM A SEPTEMBER 01, 2022 (LAST REVISED) *OVERALL GRADING PLAN* PREPARED BY DYNAMIC ENGINEERING CONSULTANTS, P.C.

DYNAMIC ENGINEERING · EARTH · SURVEY · TRAFFIC

REV.	DATE	COMMENTS	BY

PROJECT: **BROOKFIELD PROPERTIES**
PROPOSED INDUSTRIAL PARK
OLD MILL ROAD AND HEMION ROAD (CR93)
SECTION 55.22, BLOCK 1, LOT 1
VILLAGE OF SUFFERN, ROCKLAND COUNTY, NY

DRAWN BY: GS | DESIGNED BY: - | CHECKED BY: - | CHECKED BY: -

811 Know what's below. Call before you dig.

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Adelli, Iraq • T. 010.4443642
Delray Beach, Florida • T. 561 703 8570
www.dynamicec.com

P.H. HOWELL
PROFESSIONAL ENGINEER
NEW YORK LICENSE No. 87392

TITLE: SUPPLEMENTAL TEST LOCATION PLAN

SCALE:	DATE:
N.T.S.	05/25/2023

PROJECT No: 3709-99-004EC

SHEET No: 1 OF 1 | Rev. #: 1

Records of Subsurface Exploration

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-101

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	307.8 feet	**Date Started:**	05-01-2023						
Termination Depth:	42.0 feet	**Date Completed:**	05-01-2023						
Proposed Location:	Building 1	**Logged by:**	G. Seselgis	**While Drilling:** ▽	7.0	300.8			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	12.0	295.8			
Hammer Type:	Manual Safety	**Rig Type:**	Diedrich D50						

Sample Information							Depth (ft)	Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N				
								Surface Cover	6 inches of asphaltic concrete with no apparent subbase material	
0.5-2.0	S-1	SS	14	--	5 10 / 10 --	20			Yellowish brown coarse to fine sand, little silt, little coarse to fine gravel, moist, medium dense (SM)	
2.0-4.0	S-2	SS	6	--	9 12 / 10 12	22			As above (SM)	
4.0-6.0	S-3	SS	18	--	6 7 / 5 5	12	5		Brown coarse to fine sand, moist, medium dense (SP)	
6.0-8.0	S-4	SS	14	--	4 3 / 4 5	7	▽		As above, loose (SP)	
8.0-10.0	S-5	SS	12	--	6 4 / 2 3	6			Brown coarse to fine sand, little silt, wet, loose (SP-SM)	
10.0-12.0	S-6	SS	16	--	4 3 / 3 3	6	10		Brown coarse to fine sand, some medium to fine gravel, wet, loose (SP)	
							▼		As above (SP)	
								Glacial Deposits		
15.0-17.0	S-7	SS	24	--	2 3 / 5 7	8	15		Brown coarse to fine sand, little silt, trace medium to fine gravel, wet, loose (SP-SM)	
20.0-22.0	S-8	SS	20	--	2 2 / 3 3	5	20		Brown fine sand, some silt, wet, loose (SM)	

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-101

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	307.8 feet	**Date Started:**	05-01-2023						
Termination Depth:	42.0 feet	**Date Completed:**	05-01-2023						
Proposed Location:	Building 1	**Logged by:**	G. Seselgis	**While Drilling:** ▽	7.0	300.8			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	12.0	295.8			
Hammer Type:	Manual Safety	**Rig Type:**	Diedrich D50						

Sample Information							Depth (ft)	Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N				
25.0-27.0	S-9	SS	24	--	WOR WOR / 3 7	3			As above, very loose (SM)	
							30			
30.0-32.0	S-10	SS	24	--	3 3 / 3 4	6			As above, loose (SM)	
								Glacial Deposits		
							35			
35.0-37.0	S-11	SS	24	--	WOR WOR / 7 8	7			As above, and silt (SM)	
							40			
40.0-42.0	S-12	SS	24	--	WOR 5 / 6 8	11			As above, medium dense (SM)	
									Boring B-101 was terminated at approximately 42 feet below the ground surface.	
							45			

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-102

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	309.1 feet	**Date Started:**	05-01-2023						
Termination Depth:	42.0 feet	**Date Completed:**	05-01-2023						
Proposed Location:	Building 1	**Logged by:**	G. Seselgis	**While Drilling:** ▽	8.0	301.1			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	14.0	295.1			
Hammer Type:	Manual Safety	**Rig Type:**	Diedrich D50						

Sample Information							Depth (ft)	Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N				
								Surface Cover	6 inches of asphaltic concrete with no apparent subbase material	
0.5-2.0	S-1	SS	11	--	2 10 / 14 --	24		FILL	Brown coarse to fine sand, little silt, little coarse to fine gravel, wet (FILL)	
2.0-3.8	S-2	SS	10	--	32 37 / 37 50/3	74			As above, some debris (asphalt), wet (FILL)	
4.0-6.0	S-3	SS	17	--	13 14 / 18 17	32	5		As above, no debris (FILL)	
6.0-8.0	S-4	SS	17	--	20 15 / 18 20	33			As above (FILL)	
							▽		Brown fine sand, some silt, moist, dense (SM)	
8.0-10.0	S-5	SS	16	--	6 4 / 7 11	11			Olive gray clay, some coarse to fine sand, wet, medium stiff (CL)	Perched water at 8 feet
10.0-12.0	S-6	SS	12	--	12 17 / 18 16	35	10		Grayish brown coarse to fine sand, some clayey silt, wet, medium dense (SM)	Qp = 1.0 tsf
									As above, dense (SM)	
							▼			
15.0-17.0	S-7	SS	21	--	3 4 / 5 6	9	15	Glacial Deposits	Brown coarse to fine sand, some silt, wet, loose (SM)	
							20			
20.0-22.0	S-8	SS	15	--	4 5 / 7 6	12			Brown coarse to fine sand, little coarse to fine gravel, wet, medium dense (SP)	

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-102

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	309.1 feet	**Date Started:**	05-01-2023						
Termination Depth:	42.0 feet	**Date Completed:**	05-01-2023						
Proposed Location:	Building 1	**Logged by:**	G. Seselgis	**While Drilling:** ▽	8.0	301.1			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	14.0	295.1			
Hammer Type:	Manual Safety	**Rig Type:**	Diedrich D50						

Sample Information							Depth (ft)	Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N				
25.0-27.0	S-9	SS	24	--	7 14 / 35 43	49			Brown coarse to fine sand, trace silt, trace coarse to fine gravel, wet, dense (SP-SM)	
							30			
30.0-32.0	S-10	SS	24	--	4 7 / 16 10	23			As above, medium dense (SP-SM)	
								Glacial Deposits		
							35			
35.0-37.0	S-11	SS	20	--	3 2 / 3 3	5			Brown fine sand, and silt, wet, loose (SM)	
							40			
40.0-42.0	S-12	SS	24	--	3 3 / 5 7	8			Grayish brown coarse to fine sand, little silt, wet, loose (SP-SM)	
									Boring B-102 was terminated at approximately 42 feet below the ground surface.	
							45			

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-103

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	311.2 feet	**Date Started:**	05-04-2023						
Termination Depth:	42.0 feet	**Date Completed:**	05-04-2023						
Proposed Location:	Building 1	**Logged by:**	G. Seselgis	**While Drilling:** ▽	8.0	303.2			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	8.0	303.2			
Hammer Type:	Automatic	**Rig Type:**	CME 55 ATV						

Sample Information								Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N	Depth (ft)			
0.0-2.0	S-1	SS	21	--	2 7 / 7 8	14		Surface Cover	6 inches of topsoil	
									Brown coarse to fine sand and clayey silt, some coarse to fine gravel, moist, medium dense (SM)	
2.0-4.0	S-2	SS	16	--	6 9 / 14 18	23			As above (SM)	
4.0-6.0	S-3	SS	22	--	9 7 / 5 7	12	5		As above (SM)	
6.0-8.0	S-4	SS	19	--	5 6 / 9 7	15			Yellow brown coarse to fine sand, and clayey silt, moist, medium dense (SM)	
8.0-10.0	S-5	SS	11	--	2 3 / 4 6	7			Brown coarse to fine sand, little silt, trace fine gravel, wet, loose (SP-SM)	
10.0-12.0	S-6	SS	12	--	6 5 / 6 4	11	10		Brown coarse to fine sand, and coarse to fine gravel, trace silt, wet, medium dense (SP)	
								Glacial Deposits		
15.0-17.0	S-7	SS	9	--	WOH 1 / 1 1	2	15		As above, very loose (SP)	
20.0-22.0	S-8	SS	16	--	2 2 / 3 7	5	20		Grayish brown coarse to fine sand, little medium to fine gravel, wet, loose (SP)	

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-103

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	311.2 feet	**Date Started:**	05-04-2023						
Termination Depth:	42.0 feet	**Date Completed:**	05-04-2023						
Proposed Location:	Building 1	**Logged by:**	G. Seselgis	**While Drilling:** ▽	8.0	303.2			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	8.0	303.2			
Hammer Type:	Automatic	**Rig Type:**	CME 55 ATV						

Sample Information							Depth (ft)	Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N				
25.0-27.0	S-9	SS	12	--	1 5 / 15 13	20			As above, medium dense (SP)	
							30			
30.0-32.0	S-10	SS	12	--	3 4 / 13 9	17			As above (SP)	
								Glacial Deposits		
							35			
35.0-37.0	S-11	SS	21	--	2 3 / 7 6	10			Brown coarse to fine sand, little coarse to fine gravel, little silt, wet, medium dense (SP-SM)	
							40			
40.0-42.0	S-12	SS	24	--	4 6 / 10 17	16			As above, no gravel (SP-SM)	
									Boring B-103 was terminated at approximately 42 feet below the ground surface.	
							45			

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-104

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	310.0 feet	**Date Started:**	05-03-2023						
Termination Depth:	37.0 feet	**Date Completed:**	05-03-2023						
Proposed Location:	Building 1	**Logged by:**	G. Seselgis	**While Drilling:** ▽	6.0	304.0			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	5.0	305.0			
Hammer Type:	Manual Safety	**Rig Type:**	Diedrich D120						

Sample Information								Depth (ft)	Strata		DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)		N					
0.0-2.0	S-1	SS	11	--	3	5	20		Surface Cover		4 inches of topsoil	
					15	23			FILL		Brown coarse to fine sand, some silt, some coarse to fine gravel, little debris (asphalt), moist (FILL)	
2.0-4.0	S-2	SS	14	--	13	13	27				Brown coarse to fine sand, and clayey silt, some coarse to fine gravel, moist, medium dense (SM)	
					14	17						
4.0-6.0	S-3	SS	9	--	7	14	22	5 ▼ ▽			As above (SM)	
					8	11						
6.0-8.0	S-4	SS	0	--	11	14	39				No recovery	Wet sampler at 6 feet
					25	22						
8.0-10.0	S-5	SS	6	--	11	4	11				As above, grayish brown, wet, medium dense (SM)	
					7	9		10				
10.0-12.0	S-6	SS	6	--	12	10	21				Dark gray coarse to fine sand, little coarse to fine gravel, little silt, wet, medium dense (SP-SM)	
					11	12						
									Glacial Deposits			
15.0-17.0	S-7	SS	12	--	4	1	5	15			Grayish brown coarse to fine sand, trace fine gravel, wet, loose (SP)	
					4	8						
20.0-21.4	S-8	SS	8	--	23	34	84/11	20			Brown coarse to fine gravel, little coarse to fine sand, wet, very dense (GP)	
					50/5	--						

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-104

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	310.0 feet	**Date Started:**	05-03-2023						
Termination Depth:	37.0 feet	**Date Completed:**	05-03-2023						
Proposed Location:	Building 1	**Logged by:**	G. Seselgis	**While Drilling:** ▽	6.0	304.0			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	5.0	305.0			
Hammer Type:	Manual Safety	**Rig Type:**	Diedrich D120						

Sample Information										
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N	Depth (ft)	Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
25.0-27.0	S-9	SS	14	--	5 15 / 57 37	72			Brown coarse to fine sand and coarse to fine gravel, wet, very dense (SP)	
							30			
30.0-31.8	S-10	SS	21	--	9 14 / 65 50/3	79		Glacial Deposits	As above, some coarse to fine gravel (SP)	
							35			
35.0-37.0	S-11	SS	15	--	10 12 / 18 35	30			As above, dense (SP)	
									Boring B-104 was terminated at approximately 37 feet below the ground surface.	
							40			
							45			

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-105

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	309.8 feet	**Date Started:**	05-03-2023						
Termination Depth:	37.0 feet	**Date Completed:**	05-03-2023						
Proposed Location:	Building 1	**Logged by:**	G. Seselgis	**While Drilling:** ▽	2.0	307.8			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	3.5	306.3			
Hammer Type:	Manual Safety	**Rig Type:**	Diedrich D120						

Sample Information								Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N	Depth (ft)			
0.0-2.0	S-1	SS	18	--	2, 4, 9, 11	13		Surface Cover	9 inches of topsoil Yellowish brown coarse to fine sand and silty clay, little medium to fine gravel, moist, medium dense (SC)	
2.0-4.0	S-2	SS	8	--	10, 17, 18, 21	35			Yellowish brown coarse to fine sand, little clayey silt, little coarse to fine gravel, wet, dense (SM)	
4.0-6.0	S-3	SS	5	--	13, 15, 13, 13	28	5		Brown coarse to fine sand, and coarse to fine gravel, little clayey silt, wet, medium dense (SP-SM)	
6.0-8.0	S-4	SS	12	--	8, 17, 15, 13	32			Brown coarse to fine sand, some medium to fine gravel, wet, dense (SP)	
8.0-10.0	S-5	SS	6	--	5, 7, 13, 12	20			Brown coarse to fine sand, trace fine gravel, wet, medium dense (SP)	
10.0-12.0	S-6	SS	12	--	10, 16, 15, 15	31	10		As above, little coarse to fine gravel, dense (SP)	
								Glacial Deposits		
15.0-17.0	S-7	SS	11	--	1, 3, 5, 20	8	15		As above, loose (SP)	
20.0-22.0	S-8	SS	21	--	5, 26, 30, 22	56	20		As above, very dense (SP)	

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-105

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	309.8 feet	**Date Started:**	05-03-2023						
Termination Depth:	37.0 feet	**Date Completed:**	05-03-2023						
Proposed Location:	Building 1	**Logged by:**	G. Seselgis	**While Drilling:** ▽	2.0	307.8			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	3.5	306.3			
Hammer Type:	Manual Safety	**Rig Type:**	Diedrich D120						

Sample Information							Depth (ft)	Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N				
25.0-25.8	S-9	SS	20	--	40 50/4 -- --	50/4			As above (SP)	
30.0-30.8	S-10	SS	24	--	37 50/4 -- --	50/4	30	Glacial Deposits	As above (SP)	
35.0-36.3	S-11	SS	12	--	9 53 50/3 --	103/9	35		As above (SP)	
							40		Boring B-105 was terminated at approximately 37 feet below the ground surface.	
							45			

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-106

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth	El.	Additional Groundwater Data	Depth	El.
Surface Elevation:	320.4 feet	**Date Started:**	05-02-2023		(ft)	(ft)		(ft)	(ft)
Termination Depth:	11.0 feet	**Date Completed:**	05-02-2023						
Proposed Location:	Building 1	**Logged by:**	G. Seselgis	**While Drilling:** ▽	NE	-			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	NE	-			
Hammer Type:	Manual Safety	**Rig Type:**	Diedrich D50						

Sample Information										
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N	Depth (ft)	Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
0.0-2.0	S-1	SS	20	--	5 10 11 12	21		Surface Cover	6 inches of topsoil	
								FILL	Gray coarse to fine sand, trace silt, little fine gravel, moist, trace debris (asphalt) (FILL)	
2.0-4.0	S-2	SS	16	--	11 14 12 10	26			As above (FILL)	
4.0-6.0	S-3	SS	18	--	8 12 7 12	19	5		As above (FILL)	
									Yellowish brown silty clay, some coarse to fine gravel, little coarse to fine sand, moist, very stiff (CL)	Qp = 2.5 tsf
6.0-6.9	S-4	SS	9	--	37 50/5 -- --	50/5			Brown coarse to fine sand, and coarse to fine gravel, some clayey silt, moist, very dense (SM)	
								Glacial Deposits		Difficult drilling from 6 feet to 11 feet
10.0-10.6	S-5	SS	6	--	36 50/1 -- --	50/1	10		Brown coarse to fine sand, and coarse to fine gravel, little silt, moist, very dense (SM)	
									Boring B-106 encountered refusal at approximately 11 feet below the ground surface.	
							15			
							20			

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-107

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	311.5 feet	**Date Started:**	05-02-2023						
Termination Depth:	2.2 feet	**Date Completed:**	05-02-2023						
Proposed Location:	Building 3	**Logged by:**	G. Seselgis	**While Drilling:** ▽	NE	-			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	NE	-			
Hammer Type:	Manual Safety	**Rig Type:**	Diedrich D50						

Sample Information								Depth (ft)	Strata		DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)		N					
0.0-2.0	S-1	SS	18	--	6 / 9	8 / 4	17		Surface Cover		3 inches of topsoil	
									FILL		Grayish brown coarse to fine sand, little silt, some coarse to fine gravel, moist, no debris (FILL)	
2.0-2.2	S-2	SS	0	--	50/2 --	-- --					Boring B-107 encountered refusal at approximately 2.2 feet below the ground surface.	

5

10

15

20

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-107A

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	311.5 feet	**Date Started:**	05-02-2023						
Termination Depth:	32.0 feet	**Date Completed:**	05-02-2023						
Proposed Location:	Building 3	**Logged by:**	G. Seselgis	**While Drilling:** ▽	6.0	305.5			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	7.5	304.0			
Hammer Type:	Manual Safety	**Rig Type:**	Diedrich D50						

Sample Information							Depth (ft)	Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N				
								FILL	Augered to 4 feet	
4.0-6.0	S-2	SS	21	--	7 8 10 17	18	5 ▽		Brown coarse to fine sand, and silty clay, some coarse to fine gravel, moist, medium dense (SC)	
6.0-8.0	S-3	SS	2	--	19 19 20 16	39	▼		Brown coarse to fine gravel, and coarse to fine sand, little clayey silt, wet, very dense (GP-GM)	
8.0-10.0	S-4	SS	6	--	2 1 2 5	3			Grayish brown silty clay and coarse to fine sand, some coarse to fine gravel, wet, medium stiff (CL)	Qp = 1.0 tsf
10.0-12.0	S-5	SS	5	--	10 7 8 14	15	10		As above, and coarse to fine gravel (CL)	Qp = 1.0 tsf
								Glacial Deposits		
15.0-17.0	S-6	SS	24	--	6 5 6 8	11	15		Brown coarse to fine sand, trace fine gravel, trace silt, wet, medium dense (SP)	
20.0-22.0	S-7	SS	24	--	11 8 20 39	28	20		As above, some coarse to fine gravel (SP)	

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-107A

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

Surface Elevation:	311.5 feet	**Date Started:**	05-02-2023	**Groundwater Data**	**Depth**	**El.**	**Additional Groundwater Data**	**Depth**	**El.**
Termination Depth:	32.0 feet	**Date Completed:**	05-02-2023		**(ft)**	**(ft)**		**(ft)**	**(ft)**
Proposed Location:	Building 3	**Logged by:**	G. Seselgis	**While Drilling:** ▽	6.0	305.5			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	7.5	304.0			
Hammer Type:	Manual Safety	**Rig Type:**	Diedrich D50						

Sample Information							Depth (ft)	Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N				
25.0-27.0	S-8	SS	12	--	4 4 / 12 30	16		Glacial Deposits	Brown coarse to fine sand, little silt, little medium to fine gravel, wet, medium dense (SP-SM)	
							30			
30.0-32.0	S-9	SS	20	--	11 15 / 21 21	36			Brown clayey silt, some coarse to fine sand, little coarse to fine gravel, wet, very stiff (ML)	Qp = 2.75 tsf
									Boring B-107A was terminated at approximately 32 feet below the ground surface.	
							35			
							40			
							45			

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-108

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	322.5 feet	**Date Started:**	05-05-2023						
Termination Depth:	37.0 feet	**Date Completed:**	05-05-2023						
Proposed Location:	Building 3	**Logged by:**	A. Park	**While Drilling:** ▽	4.0	318.5			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	6.0	316.5			
Hammer Type:	Automatic	**Rig Type:**	CME 55 ATV						

Sample Information								Depth (ft)	Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N					
0.0-1.3	S-1	SS	7	--	2 4 / 50/4 --	54/10		0	Surface Cover	12 inches of topsoil	Apparent cobbles/ boulders at 1.3 to 4 feet
										Brown coarse to fine gravel, some coarse to fine sand, trace silt, moist, very dense (GP)	
4.0-6.0	S-3	SS	9	--	11 6 / 11 17	17		5 ▽▼		As above, reddish brown, wet, medium dense (GP)	
6.0-8.0	S-4	SS	10	--	17 16 / 14 9	30				Reddish brown coarse to fine sand, and coarse to fine gravel, some silt, wet, dense (SM)	
8.0-10.0	S-5	SS	10	--	2 4 / 5 6	9				Reddish brown coarse to fine sand, some coarse to fine gravel, little silt, trace clay, wet, loose (SP-SM)	
10.0-12.0	S-6	SS	21	--	10 6 / 3 3	9		10		As above (SP-SM)	
									Glacial Deposits		
15.0-17.0	S-7	SS	24	--	1 1 / 3 2	4		15		Reddish brown coarse to fine sand and coarse to fine gravel, some clay, trace silt, wet, loose (SC)	
20.0-22.0	S-8	SS	24	--	7 8 / 8 19	16		20		Reddish brown coarse to fine sand, some coarse to fine gravel and silt, trace clay, wet, medium dense (SM)	

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-108

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	322.5 feet	**Date Started:**	05-05-2023						
Termination Depth:	37.0 feet	**Date Completed:**	05-05-2023						
Proposed Location:	Building 3	**Logged by:**	A. Park	**While Drilling:** ▽	4.0	318.5			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	6.0	316.5			
Hammer Type:	Automatic	**Rig Type:**	CME 55 ATV						

Sample Information										Depth (ft)	Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)		N						
25.0-27.0	S-9	SS	24	--	10	17	43					Reddish brown coarse to fine sand, some coarse to fine gravel, trace silt, wet, dense (SP)	
					26	44							
										30			
30.0-30.6	S-10	SS	2	--	50/7	--	50/7				Glacial Deposits	Brown coarse to fine sand and coarse to fine gravel, trace silt, wet, very dense (SP)	
					--	--							
										35			
35.0-37.0	S-11	SS	24	--	21	38	72					As above (SP)	
					34	30							
												Boring B-108 was terminated at approximately 37 feet below the ground surface.	
										40			
										45			

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-109

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth	El.	Additional Groundwater Data	Depth	El.
Surface Elevation:	306.3 feet	**Date Started:**	05-04-2023		(ft)	(ft)		(ft)	(ft)
Termination Depth:	32.0 feet	**Date Completed:**	05-04-2023						
Proposed Location:	Building 2	**Logged by:**	G. Seselgis/A. Park	**While Drilling:** ▽	7.5	298.8			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	NE	-			
Hammer Type:	Automatic	**Rig Type:**	CME 55 ATV						

Sample Information								Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N	Depth (ft)			
0.0-2.0	S-1	SS	16	--	2 3 / 3 6	6		Surface Cover	5 inches of topsoil	Apparent perched groundwater at 0.5 feet
								FILL	Grayish brown coarse to fine sand and clayey silt, some coarse to fine gravel, trace debris (fine roots), wet (FILL)	
2.0-4.0	S-2	SS	19	--	5 6 / 5 11	11			As above (FILL)	
									Buried topsoil (FILL)	
4.0-6.0	S-3	SS	18	--	2 11 / 26 28	37	5		Grayish brown coarse to fine sand, and coarse to fine gravel, some silt, moist, dense (SM)	
6.0-8.0	S-4	SS	15	--	40 26 / 20 13	46	▽		As above (SM)	
									As above, wet (SM)	
8.0-10.0	S-5	SS	1	--	3 6 / 5 5	11			As above (SM)	
10.0-12.0	S-6	SS	10	--	9 8 / 14 8	22	10		Brown coarse to fine gravel and coarse to fine sand, trace silt, wet, medium dense (GP)	
								Glacial Deposits		
15.0-17.0	S-7	SS	21	--	16 21 / 22 29	43	15		Reddish brown coarse to fine gravel, some silt, little coarse to fine sand, wet, dense (GP)	
20.0-22.0	S-8	SS	13	--	18 24 / 29 30	53	20		Reddish brown coarse to fine sand, some gravel, trace silt, wet, very dense (SP-SM)	

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-109

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	306.3 feet	**Date Started:**	05-04-2023						
Termination Depth:	32.0 feet	**Date Completed:**	05-04-2023						
Proposed Location:	Building 2	**Logged by:**	G. Seselgis/A. Park	**While Drilling:** ▽	7.5	298.8			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	NE	-			
Hammer Type:	Automatic	**Rig Type:**	CME 55 ATV						

Sample Information							Depth (ft)	Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N				
25.0-27.0	S-9	SS	24	--	9 16 / 31 42	47		Glacial Deposits	Reddish brown coarse to fine sand, some silt, little coarse to fine gravel, wet, dense (SM)	
							30			
30.0-32.0	S-10	SS	15	--	26 16 / 15 36	31			As above (SM)	
							35		Boring B-109 was terminated at approximately 32 feet below the ground surface.	
							40			
							45			

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-110

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	319.3 feet	**Date Started:**	05-04-2023						
Termination Depth:	32.0 feet	**Date Completed:**	05-04-2023						
Proposed Location:	Building 2	**Logged by:**	G. Seselgis	**While Drilling:** ▽	23.0	296.3			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	23.0	296.3			
Hammer Type:	Manual Safety	**Rig Type:**	Diedrich D50						

Sample Information								Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N	Depth (ft)			
0.0-2.0	S-1	SS	5	--	1 3 / 5 6	8		Surface Cover	5 inches of topsoil	Apparent perched groundwater
								FILL	Grayish brown coarse to fine sand and clayey silt, some coarse to fine gravel, trace debris (asphalt and fine roots), wet (FILL)	
2.0-4.0	S-2	SS	13	--	5 4 / 4 8	8			As above, dark gray (FILL)	
4.0-6.0	S-3	SS	24	--	3 6 / 6 7	12	5		Dark gray silty clay and coarse to fine sand, some coarse to fine gravel, little debris (rubber, asphalt, wood, and brick), moist (FILL)	
6.0-8.0	S-4	SS	24	--	8 8 / 8 8	16			As above (FILL)	
8.0-10.0	S-5	SS	13	--	2 3 / 3 5	6			As above, little coarse to fine sand (FILL)	
10.0-12.0	S-6	SS	5	--	4 6 / 7 8	13	10		As above (FILL)	
15.0-17.0	S-7	SS	19	--	7 32 / 40 16	72	15		Dark gray coarse to fine sand, and coarse to fine gravel, some silt, moist, very dense (SM)	
20.0-21.8	S-8	SS	20	--	20 44 / 35 50/4	79	20	Glacial Deposits	Reddish brown coarse to fine sand, some silt, some coarse to fine gravel, moist, very dense (SM)	
							▼			Wet rods at 23 feet

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-110

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	319.3 feet	**Date Started:**	05-04-2023						
Termination Depth:	32.0 feet	**Date Completed:**	05-04-2023						
Proposed Location:	Building 2	**Logged by:**	G. Seselgis	**While Drilling:** ▽	23.0	296.3			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	23.0	296.3			
Hammer Type:	Manual Safety	**Rig Type:**	Diedrich D50						

Sample Information							Depth (ft)	Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N				
25.0-27.0	S-9	SS	6	--	10 19 15 15	34		Glacial Deposits	Reddish brown coarse to fine sand, little silt, some coarse to fine gravel, wet, dense (SM)	
							30			
30.0-32.0	S-10	SS	24	--	15 30 31 53	61			Brown coarse to fine sand, some silt, little coarse to fine gravel, wet, very dense (SM)	
							35		Boring B-110 was terminated at approximately 32 feet below the ground surface.	
							40			
							45			

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-111

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	316.0 feet	**Date Started:**	05-05-2023						
Termination Depth:	30.2 feet	**Date Completed:**	05-05-2023						
Proposed Location:	Building 2	**Logged by:**	A. Park	**While Drilling:** ▽	2.0	314.0			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	4.0	312.0			
Hammer Type:	Automatic	**Rig Type:**	CME 55 ATV						

Sample Information								Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N	Depth (ft)			
0.0-2.0	S-1	SS	16	--	4 12 / 16 12	28		Surface Cover	6 inches of topsoil	
									Brown coarse to fine sand, some silt, little coarse to fine gravel, moist, medium dense (SP)	
2.0-4.0	S-2	SS	10	--	9 15 / 7 6	22	▽ ▼		Brown coarse to fine sand, some coarse to fine gravel, trace silt, wet, medium dense (SP)	
4.0-6.0	S-3	SS	14	--	4 8 / 10 19	18	5		As above, reddish brown (SP)	
6.0-8.0	S-4	SS	24	--	26 37 / 45 50/3	82			Reddish brown coarse to fine sand, little silt, little coarse to fine gravel, wet, very dense (SP-SM)	
8.0-10.0	S-5	SS	16	--	36 39 / 41 47	80			Light brown coarse to fine sand, some silt, little coarse to fine gravel, trace clay, wet, very dense (SM)	
10.0-10.8	S-6	SS	8	--	62 50/3 / -- --	50/3	10		Light brown silt, some coarse to fine sand, little coarse to fine gravel, wet, hard (ML)	
								Glacial Deposits		
15.0-15.3	S-7	SS	4	--	50/4 -- / -- --	50/4	15		Light brown clayey silt, little coarse to fine gravel, trace coarse to fine sand, wet, hard (ML)	
20.0-20.2	S-8	SS	2	--	50/2 -- / -- --	50/2	20		As above, little coarse to fine sand (ML)	

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-111

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	316.0 feet	**Date Started:**	05-05-2023						
Termination Depth:	30.2 feet	**Date Completed:**	05-05-2023						
Proposed Location:	Building 2	**Logged by:**	A. Park	**While Drilling:** ▽	2.0	314.0			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	4.0	312.0			
Hammer Type:	Automatic	**Rig Type:**	CME 55 ATV						

Sample Information							Depth (ft)	Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N				
25.0-26.3	S-9	SS	16	--	26 69 50/4 --	119/10		Glacial Deposits	Reddish brown coarse to fine sand and coarse to fine gravel, little silt, trace clay, wet, very dense (SP)	
30.0-30.2	S-10	SS	2	--	50/2 -- -- --	50/2	30		As above, some coarse to fine gravel (SP) Boring B-111 was terminated at approximately 30.2 feet below the ground surface.	
							35			
							40			
							45			

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-112

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	312.0 feet	**Date Started:**	05-08-2023						
Termination Depth:	41.9 feet	**Date Completed:**	05-08-2023						
Proposed Location:	Building 1	**Logged by:**	A. Park	**While Drilling:** ▽	6.0	306.0			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	6.0	306.0			
Hammer Type:	Automatic	**Rig Type:**	CME 55 ATV						

Sample Information							Depth (ft)	Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N				
								Surface Cover	24 inches of concrete with no apparent subbase material	
2.0-4.0	S-1	SS	21	--	57 42 / 25 46	67		FILL	Gray coarse to fine sand, little coarse to fine gravel, trace silt, moist (FILL)	
4.0-6.0	S-2	SS	20	--	11 8 / 7 8	15	5 ▼		As above, moist (FILL)	
6.0-8.0	S-3	SS	9	--	22 17 / 14 25	31			Reddish brown coarse to fine sand, some coarse to fine gravel, trace silt, wet, dense (SP)	
8.0-10.0	S-4	SS	6	--	14 20 / 11 11	31			Reddish brown coarse to fine gravel, some coarse to fine sand, trace silt, wet, dense (GP)	
10.0-12.0	S-5	SS	8	--	12 6 / 5 4	11	10		Reddish brown coarse to fine gravel, and coarse to fine sand, little silt, wet, medium dense (GP-GM)	
15.0-17.0	S-6	SS	4	--	4 4 / 5 3	9	15	Glacial Deposits	Reddish brown coarse to fine sand, some coarse to fine gravel, trace silt, wet, loose (SP)	
20.0-22.0	S-7	SS	24	--	5 7 / 9 15	16	20		As above, medium dense (SP)	

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-112

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	312.0 feet	**Date Started:**	05-08-2023						
Termination Depth:	41.9 feet	**Date Completed:**	05-08-2023						
Proposed Location:	Building 1	**Logged by:**	A. Park	**While Drilling:** ▽	6.0	306.0			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	6.0	306.0			
Hammer Type:	Automatic	**Rig Type:**	CME 55 ATV						

Sample Information										
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N	Depth (ft)	Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
25.0-27.0	S-8	SS	24	--	3 1 2 2	3			Reddish brown coarse to fine sand, some silt, little coarse to fine gravel, wet, very loose (SM)	
							30			
30.0-32.0	S-9	SS	24	--	WOH 1 1 1	2			As above, and silt (SM)	
								Glacial Deposits		
							35			
35.0-37.0	S-10	SS	24	--	2 6 7 13	13			Reddish brown coarse to fine sand, some coarse to fine gravel, trace silt, wet, medium dense (SP)	Qp = 3.0 tsf
									Reddish brown silt, little coarse to fine sand, trace clay, wet, very stiff (ML)	
							40			
40.0-41.9	S-11	SS	24	--	25 14 17 50/5	31			Reddish brown coarse to fine sand, trace silt, wet, dense (SP)	
									Reddish brown medium to fine sand, some silt, little clay, trace coarse to fine gravel, wet, dense (SM)	
									Boring B-112 was terminated at approximately 41.9 feet below the ground surface.	
							45			

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-113

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

Surface Elevation:	312.0 feet	**Date Started:**	05-08-2023	**Groundwater Data**	**Depth**	**El.**	**Additional Groundwater Data**	**Depth**	**El.**
Termination Depth:	2.0 feet	**Date Completed:**	05-08-2023		**(ft)**	**(ft)**		**(ft)**	**(ft)**
Proposed Location:	Building 1	**Logged by:**	A. Park	**While Drilling:** ▽	NE	-			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	NE	-			
Hammer Type:	Manual Safety	**Rig Type:**	Diedrich D120						

Sample Information							Depth (ft)	Strata		DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N					
								Surface Cover		24 inches of concrete	
										Boring B-113 encountered auger refusal at approximately 2 feet below the ground surface on apparent obstruction.	

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-113A

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	312.0 feet	**Date Started:**	05-08-2023						
Termination Depth:	12.0 feet	**Date Completed:**	05-08-2023						
Proposed Location:	Building 1	**Logged by:**	A. Park	**While Drilling:** ▽	8.0	304.0			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	8.0	304.0			
Hammer Type:	Manual Safety	**Rig Type:**	Diedrich D120						

Sample Information								Depth (ft)	Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N					
0.0-2.0	S-1	SS	18	--	3 6 / 5 6	11			FILL	Dark brown coarse to fine sand, and silt, trace coarse to fine gravel, moist (FILL)	
2.0-4.0	S-2	SS	18	--	7 13 / 12 15	25				Gray coarse to fine sand, some silt, trace coarse to fine gravel, moist (FILL)	
4.0-6.0	S-3	SS	5	--	28 14 / 12 14	26		5		Dark brown coarse to fine gravel, some silt, little coarse to fine sand, moist (FILL)	
6.0-8.0	S-4	SS	7	--	14 5 / 8 8	13				Dark brown and reddish brown coarse to fine sand, and coarse to fine gravel, little organic debris, trace silt, moist (FILL)	
8.0-10.0	S-5	SS	8	--	9 8 / 9 10	17			Glacial Deposits	Reddish brown coarse to fine gravel and coarse to fine sand, trace silt, wet, medium dense (GP)	
10.0-12.0	S-6	SS	5	--	6 5 / 5 7	10		10		As above (GP)	
										Boring B-113A encountered refusal at approximately 12 feet below the ground surface on a probably boulder.	
								15			
								20			

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-114

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	312.0 feet	**Date Started:**	05-08-2023						
Termination Depth:	32.0 feet	**Date Completed:**	05-08-2023						
Proposed Location:	Building 1	**Logged by:**	A. Park	**While Drilling:** ▽	9.0	303.0			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	9.0	303.0			
Hammer Type:	Manual Safety	**Rig Type:**	Diedrich D120						

Sample Information										
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N	Depth (ft)	Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
0.0-2.0	S-1	SS	6	--	-- / -- / 7 / 15			Surface Cover	6 inches of concrete	
									6 inches of gravel subbase material	
								FILL	Gray coarse to fine gravel, some coarse to fine sand, trace silt, wet (DGA FILL)	Apparent perched groundwater at one foot
3.0-5.0	S-2	SS	7	--	17 / 16 / 20 / 13	36			Brown coarse to fine sand, little coarse to fine gravel, trace silt, moist (FILL)	Apparent obstruction encountered at 2 to 3 feet
5.0-7.0	S-3	SS	10	--	10 / 10 / 8 / 17	18	5		As above (FILL)	
7.0-9.0	S-4	SS	11	--	28 / 13 / 11 / 7	24			As above (FILL)	
9.0-11.0	S-5	SS	8	--	8 / 9 / 13 / 9	22	10		Reddish brown coarse to fine sand and gravel, trace silt, wet, medium dense (SP)	
11.0-13.0	S-6	SS	3	--	13 / 12 / 11 / 13	23			As above (SP)	
13.0-15.0	S-7	SS	10	--	21 / 10 / 8 / 9	18			As above (SP)	
15.0-17.0	S-8	SS	14	--	10 / 9 / 8 / 7	17	15	Glacial Deposits	As above (SP)	
20.0-22.0	S-9	SS	14	--	7 / 4 / 4 / 21	8	20		As above, loose (SP)	

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-114

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	312.0 feet	**Date Started:**	05-08-2023						
Termination Depth:	32.0 feet	**Date Completed:**	05-08-2023						
Proposed Location:	Building 1	**Logged by:**	A. Park	**While Drilling:** ▽	9.0	303.0			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	9.0	303.0			
Hammer Type:	Manual Safety	**Rig Type:**	Diedrich D120						

Sample Information							Depth (ft)	Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N				
25.0-27.0	S-10	SS	24	--	5 22 / 17 21	39		Glacial Deposits	As above, dense (SP)	
30.0-32.0	S-11	SS	24	--	21 34 / 37 40	71	30		As above, very dense (SP)	
									Boring B-114 was terminated at approximately 32 feet below the ground surface.	

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-115

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	307.6 feet	**Date Started:**	05-08-2023						
Termination Depth:	42.0 feet	**Date Completed:**	05-08-2023						
Proposed Location:	Building 1	**Logged by:**	A. Park	**While Drilling:** ▽	5.0	302.6			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	5.0	302.6			
Hammer Type:	Automatic	**Rig Type:**	CME 55 ATV						

Sample Information							Depth (ft)	Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N				
								Surface Cover	Augered to 2 feet through asphalt, subbase, and fill	
2.0-4.0	S-1	SS	16	--	8 7 / 5 6	12		FILL	Grayish brown coarse to fine sand, little coarse to fine gravel, trace silt, moist (FILL)	
4.0-6.0	S-2	SS	16	--	5 5 / 6 5	11	5 ▼		As above (FILL)	
6.0-8.0	S-3	SS	24	--	3 2 / 4 4	6			Reddish brown coarse to fine sand, some silt, wet, medium dense (SM)	
8.0-10.0	S-4	SS	24	--	2 1 / 1 2	2			As above, loose (SM)	
10.0-12.0	S-5	SS	24	--	2 2 / 2 2	4	10		Reddish brown silt, little coarse to fine sand, wet, stiff (ML)	Qp = 1.5 tsf
									As above, trace coarse to fine sand, medium stiff (ML)	Qp = 0.5 tsf
15.0-17.0	S-6	SS	24	--	2 3 / 4 6	7	15	Glacial Deposits	As above (ML)	Qp = 0.5 tsf
20.0-22.0	S-7	SS	24	--	4 7 / 9 7	16	20		As above, some coarse to fine sand, little clay, stiff (ML)	Qp = 1.5 tsf

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-115

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	307.6 feet	**Date Started:**	05-08-2023						
Termination Depth:	42.0 feet	**Date Completed:**	05-08-2023						
Proposed Location:	Building 1	**Logged by:**	A. Park	**While Drilling:** ▽	5.0	302.6			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	5.0	302.6			
Hammer Type:	Automatic	**Rig Type:**	CME 55 ATV						

Sample Information							Depth (ft)	Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N				
25.0-27.0	S-8	SS	24	--	4 5 / 7 7	12			As above, trace medium to fine sand (ML)	Qp = 1.0 tsf
							30			
30.0-32.0	S-9	SS	24	--	WOH 2 / 4 4	6			As above, wet (ML)	Qp = 1.5 tsf
								Glacial Deposits		
35.0-37.0	S-10	SS	24	--	21 27 / 28 30	55	35		Reddish brown coarse to fine sand, little coarse to fine gravel, trace silt, wet, very dense (SP)	
40.0-42.0	S-11	SS	24	--	19 7 / 7 15	14	40		As above, medium dense (SP)	
									Boring B-115 was terminated at approximately 42 feet below the ground surface.	
							45			

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-116

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	312.0 feet	**Date Started:**	05-08-2023						
Termination Depth:	30.9 feet	**Date Completed:**	05-08-2023						
Proposed Location:	Building 1	**Logged by:**	A. Park	**While Drilling:** ▽	10.0	302.0			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	10.0	302.0			
Hammer Type:	Manual Safety	**Rig Type:**	Diedrich D120						

Sample Information								Depth (ft)	Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N					
0.0-2.0	S-1	SS	18	--	10 25 / 25 25	50			Surface Cover	6 inches of concrete with no apparent subbase material	
										Gray coarse to fine sand, trace silt, moist (FILL)	
2.0-3.4	S-2	SS	12	--	46 48 / 50/5 --	98/11				As above (FILL)	
4.0-6.0	S-3	SS	22	--	40 51 / 52 52	103		5		Reddish brown and gray coarse to fine gravel and coarse to fine sand, trace silt, moist (FILL)	
6.0-7.7	S-4	SS	0	--	52 34 / 47 50/2	81				No recovery	
									FILL		
8.0-10.0	S-5	SS	18	--	19 21 / 16 28	37				Dark gray coarse to fine sand, and silt, little coarse to fine gravel, trace roots, moist (FILL)	
10.0-12.0	S-6	SS	0	--	41 38 / 40 39	78		10 ▼		No recovery	
15.0-17.0	S-7	SS	9	--	11 16 / 15 19	31		15		Reddish brown silt, trace medium to fine sand, wet, stiff (ML)	Qp = 1.25 tsf
20.0-22.0	S-8	SS	14	--	12 15 / 17 21	32		20	Glacial Deposits	As above, little clay (ML)	

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-116

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	312.0 feet	**Date Started:**	05-08-2023						
Termination Depth:	30.9 feet	**Date Completed:**	05-08-2023						
Proposed Location:	Building 1	**Logged by:**	A. Park	**While Drilling:** ▽	10.0	302.0			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	10.0	302.0			
Hammer Type:	Manual Safety	**Rig Type:**	Diedrich D120						

Sample Information								Depth (ft)	Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N					
25.0-27.0	S-9	SS	8	--	2 3 / 5 13	8			Glacial Deposits	Reddish brown coarse to fine sand, some coarse to fine gravel, trace silt, wet, loose (SP)	
30.0-30.9	S-10	SS	11	--	46 100/5 / -- --	100/5		30		Reddish brown coarse to fine sand, trace silt, wet (SP)	
										Boring B-116 was terminated at approximately 30.9 feet below the ground surface.	
								35			
								40			
								45			

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-117

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	312.0 feet	**Date Started:**	05-09-2023						
Termination Depth:	37.0 feet	**Date Completed:**	05-09-2023						
Proposed Location:	Building 1	**Logged by:**	A. Park	**While Drilling:** ▽	8.0	304.0			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	10.0	302.0			
Hammer Type:	Automatic	**Rig Type:**	CME 55 ATV						

Sample Information								Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N	Depth (ft)			
0.0-2.0	S-1	SS	7	--	3 4 / 5 --	9		Surface Cover	6 inches of concrete with no apparent subbase material	
								FILL	Reddish brown coarse to fine sand, some coarse to fine gravel, little silt, moist (FILL)	
2.0-4.0	S-2	SS	20	--	18 8 / 13 10	21			Reddish brown coarse to fine sand, trace silt, moist (FILL)	
4.0-6.0	S-3	SS	24	--	14 25 / 29 35	54	5		Reddish brown coarse to fine sand, some coarse to fine gravel, trace silt, moist (FILL)	
6.0-8.0	S-4	SS	24	--	25 28 / 21 22	49			Reddish brown coarse to fine sand, trace silt, moist (FILL)	
8.0-10.0	S-5	SS	20	--	6 8 / 8 8	16	▽ ▼ 10		Reddish brown coarse to fine sand, trace silt, wet, medium dense (SP)	
10.0-12.0	S-6	SS	24	--	6 7 / 7 8	14			Reddish brown coarse to fine sand, some silt, wet , medium dense (SM)	
15.0-17.0	S-7	SS	24	--	1 2 / 2 2	4	15	Glacial Deposits	Reddish brown silt, some coarse to fine sand, wet, medium stiff (ML)	Qp = 0.5 tsf
20.0-22.0	S-8	SS	24	--	3 3 / 2 2	5	20		As above, trace coarse to fine sand (ML)	

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-117

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	312.0 feet	**Date Started:**	05-09-2023						
Termination Depth:	37.0 feet	**Date Completed:**	05-09-2023						
Proposed Location:	Building 1	**Logged by:**	A. Park	**While Drilling:** ▽	8.0	304.0			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	10.0	302.0			
Hammer Type:	Automatic	**Rig Type:**	CME 55 ATV						

Sample Information							Depth (ft)	Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N				
25.0-27.0	S-9	SS	24	--	2 3 / 3 8	6			As above (ML)	Qp = 0.5 tsf
							30			
30.0-32.0	S-10	SS	24	--	4 4 / 6 6	10		Glacial Deposits	As above (ML) Brown coarse to fine sand, trace silt, wet, medium dense (SP)	
							35			
35.0-37.0	S-11	SS	24	--	4 6 / 8 6	14			Reddish brown coarse to fine sand, some coarse to fine gravel, trace silt, wet (SP)	
							40		Boring B-117 was terminated at approximately 37 feet below the ground surface.	
							45			

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-118

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	312.0 feet	**Date Started:**	05-09-2023						
Termination Depth:	32.0 feet	**Date Completed:**	05-09-2023						
Proposed Location:	Building 1	**Logged by:**	A. Park	**While Drilling:** ▽	7.5	304.5			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	7.5	304.5			
Hammer Type:	Manual Safety	**Rig Type:**	Diedrich D120						

Sample Information							Depth (ft)	Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N				
								Surface Cover	5 inches of concrete with no apparent subbase material	
0.5-2.5	S-1	SS	9	--	3 7 / 6 4	13			Brown coarse to fine sand, some coarse to fine gravel, trace silt, moist (FILL)	
									Grayish brown coarse to fine gravel, some coarse to fine sand, trace silt, moist (FILL)	
2.5-4.5	S-2	SS	5	--	12 14 / 12 7	26			Reddish brown coarse to fine sand, little coarse to fine gravel, trace silt, wet (SP)	
4.5-6.5	S-3	SS	12	--	7 9 / 6 8	15	5		As above, moist (FILL)	Apparent perched groundwater at 4.5 feet
6.5-8.5	S-4	SS	18	--	7 7 / 11 17	18			As above, wet (FILL)	
									Reddish brown coarse to fine gravel, some coarse to fine sand, trace silt, wet (FILL)	
8.5-10.5	S-5	SS	10	--	8 6 / 7 7	13	10		Reddish brown coarse to fine sand, some silt, trace coarse to fine gravel, wet (FILL)	
10.5-12.5	S-6	SS	12	--	22 39 / 26 17	65				
								FILL		
13.0-15.0	S-7	SS	15	--	11 14 / 12 15	26			As above, little coarse to fine gravel, trace debris (brick) (FILL)	
15.0-17.0	S-8	SS	24	--	7 11 / 14 17	25	15		As above, trace clay (FILL)	
							20		Reddish brown coarse to fine sand, some coarse to fine gravel, little silt, trace debris (roots), wet (FILL)	
20.0-22.0	S-9	SS	20	--	15 46 / 52 53	98				

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-118

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	312.0 feet	**Date Started:**	05-09-2023						
Termination Depth:	32.0 feet	**Date Completed:**	05-09-2023						
Proposed Location:	Building 1	**Logged by:**	A. Park	**While Drilling:** ▽	7.5	304.5			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	7.5	304.5			
Hammer Type:	Manual Safety	**Rig Type:**	Diedrich D120						

Sample Information							Depth (ft)	Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N				
25.0-27.0	S-10	SS	22	--	27 40 / 31 26	71		Glacial Deposits	Reddish brown silt, some coarse to fine sand, wet, stiff (ML)	Qp = 1.5 tsf
							30			
30.0-32.0	S-11	SS	12	--	11 13 / 15 16	28			Reddish brown, medium to fine sand, some silt, trace clay, wet, medium dense (SM)	
									Boring B-118 was terminated at approximately 32 feet below the ground surface.	
							35			
							40			
							45			

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-119

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	312.0 feet	**Date Started:**	05-10-2023						
Termination Depth:	32.0 feet	**Date Completed:**	05-10-2023						
Proposed Location:	Building 1	**Logged by:**	J. Gomez	**While Drilling:** ▽	10.0	302.0			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	12.0	300.0			
Hammer Type:	Manual Safety	**Rig Type:**	Diedrich D120						

Sample Information							Depth (ft)	Strata		DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N					
								Surface Cover		6 inches of concrete with no apparent subbase material	
1.0-3.0	S-1	SS	18	--	5 6 / 8 9	14		FILL		Brown coarse to fine sand, some coarse to fine gravel, trace silt, moist (FILL)	
3.0-5.0	S-2	SS	18	--	5 4 / 6 5	10				As above (FILL)	
5.0-7.0	S-3	SS	12	--	6 6 / 17 25	23	5			Brown coarse to fine sand, some coarse to fine gravel, trace silt, moist, medium dense (SP)	
7.0-9.0	S-4	SS	18	--	43 39 / 35 41	74				Reddish brown coarse to fine sand, little silt, moist, very dense (SP-SM)	
							▽ 10				
10.0-12.0	S-5	SS	13	--	7 9 / 10 12	19				Reddish brown coarse to fine sand, some silt, wet, medium dense (SM)	
							▼			Reddish brown silt, and fine sand, wet, stiff (ML)	
							15	Glacial Deposits			
15.0-17.0	S-6	SS	10	--	3 5 / 9 13	14				Reddish brown medium to fine sand, trace silt, wet, medium dense (SP-SM)	
							20				
20.0-22.0	S-7	SS	14	--	3 4 / 11 15	15				As above (SP-SM)	

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-119

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	312.0 feet	**Date Started:**	05-10-2023						
Termination Depth:	32.0 feet	**Date Completed:**	05-10-2023						
Proposed Location:	Building 1	**Logged by:**	J. Gomez	**While Drilling:** ▽	10.0	302.0			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	12.0	300.0			
Hammer Type:	Manual Safety	**Rig Type:**	Diedrich D120						

Sample Information							Depth (ft)	Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N				
25.0-27.0	S-8	SS	16	--	7 9 / 15 23	24		Glacial Deposits	Brown silt, trace coarse to fine sand, wet, very stiff (ML)	
30.0-32.0	S-9	SS	16	--	7 9 / 31 48	40	30		Brown coarse to fine sand, trace silt, trace coarse to fine gravel, wet, dense (SP)	
							35		Boring B-119 was terminated at approximately 32 feet below the ground surface.	
							40			
							45			

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-120

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	312.0 feet	**Date Started:**	05-09-2023						
Termination Depth:	35.4 feet	**Date Completed:**	05-09-2023						
Proposed Location:	Building 1	**Logged by:**	A. Park	**While Drilling:** ▽	8.0	304.0			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	8.0	304.0			
Hammer Type:	Automatic	**Rig Type:**	CME 55 ATV						

Sample Information								Depth (ft)	Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N					
0.0-2.0	S-1	SS	16	--	10 18 / 9 23	27			Surface Cover	6 inches of concrete with no apparent subbase material	
									FILL	Brown coarse to fine sand, some coarse to fine gravel, little silt, moist (FILL)	
2.0-4.0	S-2	SS	20	--	17 14 / 15 18	29				Light brown coarse to fine sand, some silt, little coarse to fine gravel, moist (FILL)	
4.0-6.0	S-3	SS	18	--	9 16 / 17 15	33		5		As above (FILL)	
6.0-8.0	S-4	SS	24	--	13 15 / 16 13	31	▼			Reddish brown coarse to fine sand, some silt, trace coarse to fine gravel, moist (FILL)	
8.0-10.0	S-5	SS	24	--	7 7 / 7 8	14				Reddish brown coarse to fine sand, some coarse to fine gravel, trace silt, wet (FILL)	
10.0-12.0	S-6	SS	22	--	10 13 / 9 10	22		10		As above (FILL)	
13.0-15.0	S-7	SS	20	--	5 9 / 7 9	16				Reddish brown coarse to fine sand, some silt, little coarse to fine gravel, trace clay, trace debris (brick) wet (FILL)	
15.0-17.0	S-8	SS	17	--	10 9 / 12 10	21		15		As above (FILL)	
20.0-22.0	S-9	SS	22	--	15 16 / 18 21	34		20		As above (FILL)	

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-120

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	312.0 feet	**Date Started:**	05-09-2023						
Termination Depth:	35.4 feet	**Date Completed:**	05-09-2023						
Proposed Location:	Building 1	**Logged by:**	A. Park	**While Drilling:** ▽	8.0	304.0			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	8.0	304.0			
Hammer Type:	Automatic	**Rig Type:**	CME 55 ATV						

Sample Information							Depth (ft)	Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N				
25.0-27.0	S-10	SS	24	--	1 1 / 2 2	3			Brown coarse to fine sand, trace silt, wet, very loose (SP)	
							30	Glacial Deposits		
30.0-32.0	S-11	SS	24	--	1 2 / 2 3	4			As above, loose (SP)	
35.0-35.4	S-12	SS	24	--	100/5 -- / --	100/5	35		As above, very dense (SP)	
									Boring B-120 was terminated at approximately 35.4 feet below the ground surface.	
							40			
							45			

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-121

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	312.0 feet	**Date Started:**	05-09-2023						
Termination Depth:	32.0 feet	**Date Completed:**	05-09-2023						
Proposed Location:	Building 1	**Logged by:**	A. Park	**While Drilling:** ▽	10.0	302.0			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	10.0	302.0			
Hammer Type:	Automatic	**Rig Type:**	CME 55 ATV						

Sample Information								Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N	Depth (ft)			
0.0-2.0	S-1	SS	18	--	-- 7 / 18 30	25		Surface Cover	5 inches of concrete with no apparent subbase material	
								FILL	Brown coarse to fine sand, some silt, moist (FILL)	
2.0-4.0	S-2	SS	20	--	31 41 / 32 26	73			Brown coarse to fine sand, some coarse to fine gravel, trace silt, moist (FILL)	
4.0-6.0	S-3	SS	18	--	10 12 / 12 13	24	5		Reddish brown coarse to fine sand, little coarse to fine gravel, trace silt, moist, medium dense (SP)	
6.0-8.0	S-4	SS	24	--	9 9 / 10 10	19			As above (SP)	
8.0-10.0	S-5	SS	18	--	6 7 / 7 6	14			As above (SP)	
							10 ▼			
10.0-12.0	S-6	SS	20	--	5 5 / 6 5	11			Reddish brown coarse to fine sand, little silt, wet, medium dense (SP-SM)	
13.0-15.0	S-7	SS	24	--	2 3 / 4 1	7		Glacial Deposits	Reddish brown coarse to fine sand, trace silt, wet, loose (SP)	
							15			
15.0-17.0	S-8	SS	24	--	7 5 / 5 14	10			As above, medium dense (SP)	
							20			
20.0-22.0	S-9	SS	24	--	3 4 / 4 5	8			Reddish brown medium to fine sand, and silt, wet, loose (SM)	

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-121

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	312.0 feet	**Date Started:**	05-09-2023						
Termination Depth:	32.0 feet	**Date Completed:**	05-09-2023						
Proposed Location:	Building 1	**Logged by:**	A. Park	**While Drilling:** ▽	10.0	302.0			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	10.0	302.0			
Hammer Type:	Automatic	**Rig Type:**	CME 55 ATV						

Sample Information							Depth (ft)	Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N				
25.0-27.0	S-10	SS	24	--	4 6 / 6 4	12		Glacial Deposits	Reddish brown silt, and medium to fine sand, stiff (ML)	
30.0-32.0	S-11	SS	14	--	8 12 / 8 10	20	30		Reddish brown coarse to fine sand, trace silt, trace clay, wet, medium dense (SP-SM)	
									Boring B-121 was terminated at approximately 32 feet below the ground surface.	
							35			
							40			
							45			

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-122

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	312.0 feet	**Date Started:**	05-10-2023						
Termination Depth:	32.0 feet	**Date Completed:**	05-10-2023						
Proposed Location:	Building 1	**Logged by:**	J. Gomez	**While Drilling:** ▽	10.0	302.0			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	NE	-			
Hammer Type:	Automatic	**Rig Type:**	CME 55 ATV						

Sample Information							Depth (ft)	Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N				
0.0-2.0	S-1	SS	8	--	-- / -- / 2 / 6			Surface Cover	6 inches of concrete and 6 inches of gravel subbase	
									Reddish brown coarse to fine sand, trace silt, moist (FILL)	
2.0-4.0	S-2	SS	10	--	6 / 5 / 4 / 4	9		FILL	As above (FILL)	
4.0-6.0	S-3	SS	18	--	8 / 6 / 5 / 6	11	5		Reddish brown coarse to fine sand, little silt, moist, medium dense (SM)	
6.0-8.0	S-4	SS	20	--	6 / 5 / 4 / 9	9			As above, loose (SM)	
8.0-10.0	S-5	SS	16	--	3 / 3 / 3 / 3	6			As above (SM)	
10.0-12.0	S-6	SS	12	--	4 / 3 / 3 / 3	6	▽ 10		As above, wet (SM)	
								Glacial Deposits		
15.0-17.0	S-7	SS	17	--	2 / 3 / 3 / 4	6	15		As above, brown (SM)	
20.0-22.0	S-8	SS	24	--	12 / 14 / 15 / 20	29	20		Brown coarse to fine sand, trace silt, trace coarse to fine gravel, wet, medium dense (SP)	

DYNAMIC EARTH

BOREHOLE LOG

Boring No : B-122

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	312.0 feet	**Date Started:**	05-10-2023						
Termination Depth:	32.0 feet	**Date Completed:**	05-10-2023						
Proposed Location:	Building 1	**Logged by:**	J. Gomez	**While Drilling:** ▽	10.0	302.0			
Drill/Test Method:	HSA/SPT	**Contractor:**	Soil Testing, Inc.	**At Completion:** ▼	NE	-			
Hammer Type:	Automatic	**Rig Type:**	CME 55 ATV						

Sample Information							Depth (ft)	Strata	DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	Rec (in)	RQD %	Blows per 6" or drill time (mm:ss)	N				
25.0-27.0	S-9	SS	24	--	6 8 / 9 11	17		Glacial Deposits	As above (SP)	
							30			
30.0-32.0	S-10	SS	24	--	6 6 / 7 8	13			Brown silt, some coarse to fine sand, wet, stiff (ML)	
									Boring B-122 was terminated at approximately 32 feet below the ground surface.	
							35			
							40			
							45			

DYNAMIC EARTH

TEST PIT

Test Pit : TP-1

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

Surface Elevation:	312.0 feet	**Date Started:**	05-09-2023	**Groundwater Data**	**Depth**	**El.**	**Additional Groundwater Data**	**Depth**	**El.**
Termination Depth:	7.3 feet	**Date Completed:**	05-09-2023		**(ft)**	**(ft)**		**(ft)**	**(ft)**
Proposed Location:	Building 1	**Logged by:**	J. Gomez	**First Encountered:** ▽	NE	-			
		Contractor:	Neighbors Property Management	**At Completion:** ▼	NE	-			
		Rig Type:	Bobcat E60						

Sample Information			Depth	Strata		DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	(FT)				
0.0 - 0.6				Surface Cover		7 inches of concrete slab with no apparent subbase material	
0.6 - 4.0	S-1	Bag	2.0	FILL		Reddish brown coarse to fine sand, little silt, little coarse to fine gravel, trace debris (stone), moist (FILL)	
4.0 - 7.3	S-2	Bag	4.0	Glacial Deposits		Yellowish brown coarse to fine sand, trace silt, trace coarse to fine gravel, moist (SP)	
			6.0			Test Pit TP-1 was terminated at approximately 7.3 feet below the ground surface.	
			8.0				
			10.0				

DYNAMIC EARTH

TEST PIT

Test Pit : TP-2

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

Surface Elevation:	308.4 feet	**Date Started:**	05-09-2023	**Groundwater Data**	**Depth**	**El.**	**Additional Groundwater Data**	**Depth**	**El.**
Termination Depth:	7.3 feet	**Date Completed:**	05-09-2023		**(ft)**	**(ft)**		**(ft)**	**(ft)**
Proposed Location:	Building 1	**Logged by:**	J. Gomez	**First Encountered:** ▽	NE	-			
		Contractor:	Neighbors Property Management	**At Completion:** ▼	NE	-			
		Rig Type:	Bobcat E60						

Sample Information			Depth	Strata		DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	(FT)				
0.0 - 0.9				Surface Cover		9 inches of asphaltic concrete with 2 inches of gravel subbase	
0.9 - 4.5	S-1	Bag	2.0	FILL		Reddish brown coarse to fine sand, little coarse to fine gravel, trace silt, trace cobbles, moist (FILL)	
4.5 - 7.3	S-2	Bag	4.0 6.0	Glacial Deposits		Bluish gray coarse to fine sand, some clay, trace fine roots, moist (SC)	
			8.0 10.0			Test Pit TP-2 was terminated at approximately 7.3 feet below the ground surface.	

DYNAMIC EARTH

TEST PIT

Test Pit : TP-3

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

Surface Elevation:	312.0 feet	**Date Started:**	05-09-2023	**Groundwater Data**	**Depth**	**El.**	**Additional Groundwater Data**	**Depth**	**El.**
Termination Depth:	8.6 feet	**Date Completed:**	05-09-2023		**(ft)**	**(ft)**		**(ft)**	**(ft)**
Proposed Location:	Building 1	**Logged by:**	J. Gomez	**First Encountered:** ▽	NE	-			
		Contractor:	Neighbors Property Management	**At Completion:** ▼	NE	-			
		Rig Type:	Bobcat E60						

Sample Information			Depth	Strata		DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	(FT)				
0.0 - 0.5				Surface Cover		6 inches of topsoil	
0.5 - 5.0	S-1	Bag	2.0	FILL		Reddish brown coarse to fine sand, some silt, little coarse to fine gravel, trace cobbles, moist (FILL)	
5.0 - 8.6	S-2	Bag	4.0 6.0	Glacial Deposits		Yellowish brown coarse to fine sand, trace coarse to fine gravel, trace silt, moist (SP)	
			8.0			Test Pit TP-3 was terminated at approximately 8.6 feet below the ground surface.	
			10.0				

DYNAMIC EARTH

TEST PIT

Test Pit : TP-4

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

Surface Elevation:	312.0 feet	**Date Started:**	05-09-2023	**Groundwater Data**	**Depth**	**El.**	**Additional Groundwater Data**	**Depth**	**El.**
Termination Depth:	8.2 feet	**Date Completed:**	05-09-2023		**(ft)**	**(ft)**		**(ft)**	**(ft)**
Proposed Location:	Building 1	**Logged by:**	J. Gomez	**First Encountered:** ▽	NE	-			
		Contractor:	Neighbors Property Management	**At Completion:** ▼	NE	-			
		Rig Type:	Bobcat E60						

Sample Information			Depth	Strata		DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	(FT)				
0.0 - 0.5				Surface Cover		6 inches of concrete with no apparent subbase material	
0.5 - 3.3	S-1	Bag	2.0	FILL		Brown coarse to fine sand, some silt, some coarse to fine gravel, little cobbles, moist (FILL)	
3.3 - 5.3	S-2	Bag	4.0			Reddish brown coarse to fine sand, little silt, little coarse to fine gravel, trace cobbles (FILL)	
5.3 - 8.2	S-3	Bag	6.0	Glacial Deposits		Yellowish brown coarse to fine sand, little silt, trace coarse to fine gravel, trace cobbles, moist (SM)	
			8.0				
						Test Pit TP-4 was terminated at approximately 8.2 feet below the ground surface.	
			10.0				

DYNAMIC EARTH

TEST PIT

Test Pit : TP-5

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

Surface Elevation:	312.0 feet	**Date Started:**	05-09-2023	**Groundwater Data**	**Depth**	**El.**	**Additional Groundwater Data**	**Depth**	**El.**
Termination Depth:	9.0 feet	**Date Completed:**	05-09-2023		**(ft)**	**(ft)**		**(ft)**	**(ft)**
Proposed Location:	Building 1	**Logged by:**	J. Gomez	**First Encountered:** ▽	NE	-			
		Contractor:	Neighbors Property Management	**At Completion:** ▼	NE	-			
		Rig Type:	Bobcat E60						

Sample Information			Depth	Strata		DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	(FT)				
0.0 - 1.0						12 inches of fill debris (brick, masonry, wood, concrete)	
			2.0				
1.0 - 4.8	S-1	Bag				Reddish brown coarse to fine sand, little coarse to fine gravel, trace silt, trace cobbles, moist (FILL)	
			4.0	FILL			Apparent perched groundwater at 4.8 feet
4.8 - 8.0	S-2	Bag	6.0			As above, wet (FILL)	
			8.0				
8.0 - 9.0	S-3	Bag				Yellowish brown coarse to fine sand, little silt, trace coarse to fine gravel, moist (FILL)	
						Test Pit TP-5 was terminated at approximately 9 feet below the ground surface.	
			10.0				

DYNAMIC EARTH

TEST PIT

Test Pit : TP-6

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

Surface Elevation:	309.1 feet	**Date Started:**	05-09-2023	**Groundwater Data**	**Depth**	**El.**	**Additional Groundwater Data**	**Depth**	**El.**
Termination Depth:	7.7 feet	**Date Completed:**	05-09-2023		**(ft)**	**(ft)**		**(ft)**	**(ft)**
Proposed Location:	Building 1	**Logged by:**	J. Gomez	**First Encountered:** ▽	NE	-			
		Contractor:	Neighbors Property Management	**At Completion:** ▼	NE	-			
		Rig Type:	Bobcat E60						

Sample Information			Depth	Strata		DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	(FT)				
0.0 - 1.0				Surface Cover		12 inches of topsoil	
1.0 - 2.0	S-1	Bag		FILL		Brown coarse to fine sand, some medium to fine roots, little silt, trace coarse to fine gravel, moist (FILL)	
			2.0				
2.0 - 4.8	S-2	Bag				Brown coarse to fine sand, little coarse to fine gravel, little cobbles, trace silt, moist (FILL)	
			4.0				
4.8 - 7.2	S-3	Bag				Bluish gray coarse to fine sand, little cobbles, trace silt, trace coarse to fine gravel, moist (FILL)	Terracotta pipe encountered at 6 feet
			6.0				
7.2 - 7.7	S-4	Bag		Glacial Deposits		Reddish brown coarse to fine sand, little cobbles, trace silt, trace coarse to fine gravel, moist (SP)	
			8.0			Test Pit TP-6 was terminated at approximately 7.7 feet below the ground surface.	
			10.0				

DYNAMIC EARTH

TEST PIT

Test Pit : TP-7

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

Surface Elevation:	312.0 feet	**Date Started:**	05-09-2023	**Groundwater Data**	**Depth**	**El.**	**Additional Groundwater Data**	**Depth**	**El.**
Termination Depth:	6.9 feet	**Date Completed:**	05-09-2023		**(ft)**	**(ft)**		**(ft)**	**(ft)**
Proposed Location:	Building 1	**Logged by:**	J. Gomez	**First Encountered:** ▽	NE	-			
		Contractor:	Neighbors Property Management	**At Completion:** ▼	NE	-			
		Rig Type:	Bobcat E60						

Sample Information			Depth	Strata		DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	(FT)				
0.0 - 0.5				Surface Cover		6 inches of concrete with no apparent subbase material	
0.5 - 2.5	S-1	Bag		FILL		Reddish brown coarse to fine sand, little silt, little coarse to fine gravel, little cobbles, moist (FILL)	
			2.0				
2.5 - 5.6	S-2	Bag				As above (FILL)	
			4.0				
5.6 - 6.9	S-3	Bag		Glacial Deposits		Yellowish brown coarse to fine sand, little silt, little coarse to fine gravel, little cobbles, moist (SM)	
			6.0				
						Test Pit TP-7 was terminated at approximately 6.9 feet below the ground surface.	
			8.0				
			10.0				

DYNAMIC EARTH

TEST PIT

Test Pit : TP-8

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

Surface Elevation:	312.0 feet	**Date Started:**	05-09-2023	**Groundwater Data**	**Depth**	**El.**	**Additional Groundwater Data**	**Depth**	**El.**
Termination Depth:	6.6 feet	**Date Completed:**	05-09-2023		**(ft)**	**(ft)**		**(ft)**	**(ft)**
Proposed Location:	Building 1	**Logged by:**	J. Gomez	**First Encountered:** ▽	NE	-			
		Contractor:	Neighbors Property Management	**At Completion:** ▼	NE	-			
		Rig Type:	Bobcat E60						

Sample Information			Depth	Strata		DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	(FT)				
0.0 - 0.5				Surface Cover		7 inches of concrete with no apparent subbase material	
0.5 - 4.2	S-1	Bag	2.0	FILL		Reddish brown coarse to fine sand, some coarse to fine gravel, little silt, trace cobbles, mois (FILL)	
4.2 - 6.6	S-2	Bag	4.0	Glacial Deposits		Yellowish brown coarse to fine sand, little coarse to fine gravel, trace silt, trace cobbles, moist (SP)	
			6.0			Test Pit TP-8 was terminated at approximately 6.6 feet below the ground surface.	
			8.0				
			10.0				

DYNAMIC EARTH

TEST PIT

Test Pit : TP-9

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

Surface Elevation:	312.0 feet	**Date Started:**	05-09-2023	**Groundwater Data**	**Depth**	**El.**	**Additional Groundwater Data**	**Depth**	**El.**
Termination Depth:	8.1 feet	**Date Completed:**	05-09-2023		**(ft)**	**(ft)**		**(ft)**	**(ft)**
Proposed Location:	Building 1	**Logged by:**	J. Gomez	**First Encountered:** ▽	NE	-			
		Contractor:	Neighbors Property Management	**At Completion:** ▼	NE	-			
		Rig Type:	Bobcat E60						

Sample Information			Depth	Strata		DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	(FT)				
0.0 - 0.9				Surface Cover		7 inches of concrete and 4 inches of gravel subbase	
0.9 - 3.0	S-1	Bag	2.0	FILL		Brown coarse to fine sand, some silt, little cobbles, trace debris (plastic), moist (FILL)	
3.0 - 8.1	S-2	Bag	4.0			Brown coarse to fine sand, little coarse to fine gravel, trace silt, trace cobbles, moist (FILL)	
			6.0				
			8.0			Test Pit TP-9 was terminated at approximately 8.1 feet below the ground surface.	Ductile iron pipe encountered at 8 feet
			10.0				

DYNAMIC EARTH

TEST PIT

Test Pit : TP-10

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

Surface Elevation:	310.0 feet	**Date Started:**	05-03-2023	**Groundwater Data**	**Depth**	**El.**	**Additional Groundwater Data**	**Depth**	**El.**
Termination Depth:	10.3 feet	**Date Completed:**	05-03-2023		**(ft)**	**(ft)**		**(ft)**	**(ft)**
Proposed Location:	Building 1	**Logged by:**	U. Khan	**First Encountered:** ▽	NE	-			
		Contractor:	Neighbors Property Management	**At Completion:** ▼	NE	-			
		Rig Type:	Bobcat E60						

Sample Information			Depth	Strata		DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	(FT)				
0.0 - 1.0	S-1	Bag		Surface Cover		12 inches of topsoil	
1.0 - 3.3	S-2	Bag	2.0	FILL		Brown coarse to fine sand, some silt, some coarse to fine gravel, some cobbles and boulders, little debris (metal and bricks), moist (FILL)	
3.3 - 4.9	S-3	Bag	4.0			Dark gray and grayish brown coarse to fine sand, some coarse to fine gravel, little clay, little silt, moist (FILL)	Apparent perched groundwater at 4.2 feet
4.9 - 6.6	S-4	Bag	6.0			Pale brown coarse to fine sand, little silt, little coarse to fine gravel, little cobbles and boulders, moist (SM)	
6.6 - 10.3	S-5	Bag	8.0	Glacial Deposits		Gray and strong brown silt, little clay, little coarse to fine sand, moist, hard (ML)	Qp > 4.5 tsf
			10.0			Test Pit TP-10 was terminated at approximately 10.3 feet below the ground surface.	

DYNAMIC EARTH

TEST PIT

Test Pit : TP-11

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	312.0 feet	**Date Started:**	05-09-2023						
Termination Depth:	9.0 feet	**Date Completed:**	05-09-2023						
Proposed Location:	Building 1	**Logged by:**	J. Gomez	**First Encountered:** ▽	8.8	303.2			
		Contractor:	Neighbors Property Management	**At Completion:** ▼	8.8	303.2			
		Rig Type:	Bobcat E60						

Sample Information			Depth (FT)	Strata		DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type					
0.0 - 0.6				Surface Cover		7 inches of topsoil	
0.6 - 3.8	S-1	Bag	2.0	FILL		Brown coarse to fine sand, some clay, some coarse to fine gravel, little cobbles, trace debris (rope and fine roots) (FILL)	
3.8 - 8.8	S-2	Bag	4.0 6.0 8.0			Gray coarse to fine sand, little silt, some coarse to fine gravel, moist (FILL)	
8.8 - 9.0			▽ ▼			As above, wet (FILL)	
			10.0			Test Pit TP-11 encountered refusal on apparent boulder at approximately 9 feet below the ground surface.	

DYNAMIC EARTH

TEST PIT

Test Pit : TP-12

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

Surface Elevation:	312.0 feet	**Date Started:**	05-10-2023	**Groundwater Data**	**Depth**	**El.**	**Additional Groundwater Data**	**Depth**	**El.**
Termination Depth:	3.6 feet	**Date Completed:**	05-10-2023		**(ft)**	**(ft)**		**(ft)**	**(ft)**
Proposed Location:	Building 1	**Logged by:**	J. Gomez	**First Encountered:** ▽	NE	-			
		Contractor:	Neighbors Property Management	**At Completion:** ▼	NE	-			
		Rig Type:	Bobcat E60						

Sample Information			Depth	Strata		DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	(FT)				
0.0 - 1.3						15 inches of demolition debris	
1.3 - 2.5			2.0	FILL		Brown coarse to fine sand, some clay, some coarse to fine gravel, some debris (metal pipe, wires, tarp, pipe), moist (FILL)	
2.5 - 3.6	S-1	Bag				Gray coarse to fine sand, some coarse to fine gravel, little silt, moist (FILL)	PVC pipe encountered at 3 feet
			4.0			Test Pit TP-12 was terminated at approximately 3.6 feet below the ground surface.	
			6.0				
			8.0				
			10.0				

DYNAMIC EARTH

TEST PIT

Test Pit : TP-13

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

Surface Elevation:	310.3 feet	**Date Started:**	05-04-2023	**Groundwater Data**	**Depth**	**El.**	**Additional Groundwater Data**	**Depth**	**El.**
Termination Depth:	9.9 feet	**Date Completed:**	05-04-2023		**(ft)**	**(ft)**		**(ft)**	**(ft)**
Proposed Location:	Building 1	**Logged by:**	U. Khan	**First Encountered:** ▽	6.1	304.2			
		Contractor:	Neighbors Property Management	**At Completion:** ▼	6.1	304.2			
		Rig Type:	Bobcat E60						

Sample Information			Depth	Strata		DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	(FT)				
0.0 - 0.8				Surface Cover		9 inches of topsoil	
0.8 - 3.0	S-1	Bag	2.0	FILL		Brown coarse to fine sand, some coarse to fine gravel, little silt, little debris (bricks), moist (FILL)	
3.0 - 6.1	S-2	Bag	4.0			Dark gray coarse to fine sand, trace silt, some coarse to fine gravel, some cobbles and boulders, little debris (lumber, fabric), moist (FILL)	PVC pipe encountered at 5 feet
			▽ 6.0 ▼				
6.1 - 9.9			8.0			As above, wet (FILL)	PVC pipes encountered at 6.3 feet and 7.8 feet
			10.0			Test Pit TP-13 encountered refusal at approximately 9.9 feet below the ground surface due to continuous sidewall collapse.	

DYNAMIC EARTH

TEST PIT

Test Pit : TP-14

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

Surface Elevation:	312.0 feet	**Date Started:**	05-02-2023	**Groundwater Data**	**Depth (ft)**	**El. (ft)**	**Additional Groundwater Data**	**Depth (ft)**	**El. (ft)**
Termination Depth:	7.0 feet	**Date Completed:**	05-02-2023						
Proposed Location:	Building 1	**Logged by:**	G. Seselgis	**First Encountered:** ▽	5.0	307.0			
		Contractor:	Neighbors Property Management	**At Completion:** ▼	5.0	307.0			
		Rig Type:	Bobcat E60						

Sample Information			Depth	Strata		DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	(FT)				
0.0 - 1.7	S-1	Bag				Grayish brown coarse to fine sand, and silty clay, little coarse to fine gravel, some debris (wood, plastic, and metal), moist (FILL)	
1.7 - 3.9	S-2A/ S-2B	Bag	2.0	FILL		Gray coarse to fine sand, trace silt, moist (FILL)	
3.9 - 5.0	S-3	Bag	4.0			Yellowish brown coarse to fine sand, and coarse to fine gravel, some cobbles, trace silt, moist (SP-SM)	
5.0 - 7.0	S-4	Bag	▽ ▼ 6.0	Glacial Deposits		Brown coarse to fine sand, and coarse to fine gravel, some cobbles, wet (SP)	
			8.0			Test Pit TP-14 was terminated at approximately 7 feet below the ground surface.	
			10.0				

DYNAMIC EARTH

TEST PIT

Test Pit : TP-15

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

Surface Elevation:	312.0 feet	**Date Started:**	05-10-2023	**Groundwater Data**	**Depth**	**El.**	**Additional Groundwater Data**	**Depth**	**El.**
Termination Depth:	3.5 feet	**Date Completed:**	05-10-2023		**(ft)**	**(ft)**		**(ft)**	**(ft)**
Proposed Location:	Building 1	**Logged by:**	J. Gomez	**First Encountered:** ▽	NE	-			
		Contractor:	Neighbors Property Management	**At Completion:** ▼	NE	-			
		Rig Type:	Bobcat E60						

Sample Information			Depth	Strata		DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	(FT)				
0.0 - 1.0				FILL		Black coarse to fine sand, some coarse to fine gravel, some debris (brick, rebar, metal, wire, tarp), moist (FILL)	
1.0 - 3.5	S-1	Bag	2.0			Greenish gray coarse to fine sand, some coarse to fine gravel, trace silt, moist (FILL)	
			4.0			Test Pit TP-15 was terminated at approximately 3.5 feet below the ground surface.	PVC pipe encountered at 3.3 feet
			6.0				
			8.0				
			10.0				

DYNAMIC EARTH

TEST PIT

Test Pit : TP-16

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

Surface Elevation:	312.0 feet	**Date Started:**	05-02-2023	**Groundwater Data**	**Depth**	**El.**	**Additional Groundwater Data**	**Depth**	**El.**
Termination Depth:	10.0 feet	**Date Completed:**	05-02-2023		**(ft)**	**(ft)**		**(ft)**	**(ft)**
Proposed Location:	Building 1	**Logged by:**	G. Seselgis	**First Encountered:** ▽	8.0	304.0			
		Contractor:	Neighbors Property Management	**At Completion:** ▼	8.0	304.0			
		Rig Type:	Bobcat E60						

Sample Information			Depth	Strata		DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	(FT)				
				Surface Cover		4 inches of gravel	
0.0 - 3.7	S-1	Bag	2.0	FILL		Gray coarse to fine sand, little silt, little coarse to fine gravel, trace debris (asphalt fragments), moist (FILL)	
3.7 - 7.0	S-2	Bag	4.0			As above (FILL)	Apparent perched groundwater at 3.7 feet
7.0 - 8.0	S-3	Bag	6.0	Glacial Deposits		Gray silty clay, some coarse to fine sand, some cobbles, moist, stiff (CL)	Qp = 2.0 tsf
			▽ 8.0 ▼				
8.0 - 9.0	S-4	Bag				As above, little coarse to fine sand, wet (CL)	Qp = 1.5 tsf
9.0 - 10.0	S-5	Bag				Gray coarse to fine sand, little silt, wet (SP-SM)	
			10.0			Test Pit TP-16 was terminated at approximately 10 feet below the ground surface.	

DYNAMIC EARTH

TEST PIT

Test Pit : TP-17

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	310.8 feet	**Date Started:**	05-10-2023						
Termination Depth:	7.3 feet	**Date Completed:**	05-10-2023						
Proposed Location:	Building 1	**Logged by:**	J. Gomez	**First Encountered:** ▽	6.7	304.1			
		Contractor:	Neighbors Property Management	**At Completion:** ▼	6.7	304.1			
		Rig Type:	Bobcat E60						

Sample Information			Depth	Strata		DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	(FT)				
0.0 - 1.0				Surface Cover		12 inches of topsoil	
1.0 - 2.5	S-1	Bag	2.0	FILL		Brown coarse to fine gravel, some silt, some coarse to fine gravel, little cobbles, moist (FILL)	
2.5 - 5.8	S-2	Bag	4.0	Glacial Deposits		Brown coarse to fine sand, some silt, little coarse to fine gravel, trace cobbles (SM)	
5.8 - 6.7	S-3	Bag	6.0			Brown coarse to fine sand, some coarse to fine gravel, trace silt, trace cobbles, moist (SP)	
6.7 - 7.3	S-4	Bag	▽ ▼			As above, wet (SP)	
			8.0			Test Pit TP-17 was terminated at approximately 7.3 feet below the ground surface.	
			10.0				

DYNAMIC EARTH

TEST PIT

Test Pit : TP-18

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	310.0 feet	**Date Started:**	05-03-2023						
Termination Depth:	7.0 feet	**Date Completed:**	05-03-2023						
Proposed Location:	Building 1	**Logged by:**	G. Seselgis	**First Encountered:** ▽	3.5	306.5			
		Contractor:	Neighbors Property Management	**At Completion:** ▼	3.5	306.5			
		Rig Type:	Bobcat E60						

Sample Information			Depth	Strata		DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	(FT)				
0.0 - 0.7				Surface Cover		8 inches of topsoil	
0.7 - 3.5	S-1	Bag	2.0			Grayish brown coarse to fine sand and clayey silt, some coarse to fine gravel, some cobbles and boulders, moist (SM)	
			▽ ▼				
3.5 - 7.0	S-2	Bag	4.0	Glacial Deposits		Pale brown coarse to fine sand, little silt, some coarse to fine gravel, and cobbles and boulders, wet (SM)	
			6.0				
						Test Pit TP-18 was terminated at approximately 7 feet below the ground surface.	
			8.0				
			10.0				

DYNAMIC EARTH

TEST PIT

Test Pit : TP-19

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

Surface Elevation:	313.0 feet	**Date Started:**	05-05-2023	**Groundwater Data**	**Depth**	**El.**	**Additional Groundwater Data**	**Depth**	**El.**
Termination Depth:	9.3 feet	**Date Completed:**	05-05-2023		**(ft)**	**(ft)**		**(ft)**	**(ft)**
Proposed Location:	Building 3	**Logged by:**	U. Khan	**First Encountered:** ▽	7.2	305.8			
		Contractor:	Neighbors Property Management	**At Completion:** ▼	7.2	305.8			
		Rig Type:	Bobcat E60						

Sample Information			Depth	Strata		DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	(FT)				
0.0 - 0.7				Surface Cover		8 inches of gravel	Filter fabric at 8 inches
0.7 - 1.5	S-1	Bag		FILL		Yellowish brown coarse to fine gravel, some coarse to fine sand, little silt, moist (FILL)	
1.5 - 3.0	S-2	Bag	2.0			Dark grayish brown coarse to fine sand, some silt, little clay, little coarse to fine gravel, little debris (glass and bricks), moist (FILL)	
3.0 - 7.2	S-3	Bag	4.0	Glacial Deposits		Yellowish brown coarse to fine sand, some clay, little silt, little coarse to fine gravel, little cobbles and boulders, moist (SC)	
			6.0				
			▽ ▼				
7.2 - 9.3			8.0			As above, wet (SC)	
			10.0			Test Pit TP-19 was terminated at approximately 9.3 feet below the ground surface.	

DYNAMIC EARTH

TEST PIT

Test Pit : TP-20

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

Surface Elevation:	312.0 feet	**Date Started:**	05-05-2023	**Groundwater Data**	**Depth**	**El.**	**Additional Groundwater Data**	**Depth**	**El.**
Termination Depth:	10.8 feet	**Date Completed:**	05-05-2023		**(ft)**	**(ft)**		**(ft)**	**(ft)**
Proposed Location:	Building 3	**Logged by:**	U. Khan	**First Encountered:** ▽	6.3	305.7			
		Contractor:	Neighbors Property Management	**At Completion:** ▼	6.3	305.7			
		Rig Type:	Bobcat E60						

Sample Information			Depth	Strata		DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	(FT)				
0.0 - 0.4				FILL		Dark grayish brown coarse to fine gravel, some coarse to fine sand, little silt, moist (FILL)	Filter fabric at 16 inches
0.4 - 1.3	S-1	Bag				As above, and cobbles and boulders (FILL)	
1.3 - 3.2	S-2	Bag	2.0			Dark grayish brown coarse to fine sand, some silt, little coarse to fine gravel, little very coarse roots (FILL)	
3.2 - 6.3			4.0			Brown coarse to fine gravel, some coarse to fine sand, moist (GP)	Apparent perched groundwater at 5.2 feet
			6.0 ▽ ▼	Glacial Deposits			
6.3 - 10.8			8.0			As above, wet (GP)	
			10.0			Test Pit TP-20 was terminated at approximately 10.8 feet below the ground surface.	

DYNAMIC EARTH

TEST PIT

Test Pit : TP-21

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

Surface Elevation:	312.9 feet	**Date Started:**	05-05-2023	**Groundwater Data**	**Depth**	**El.**	**Additional Groundwater Data**	**Depth**	**El.**
Termination Depth:	10.2 feet	**Date Completed:**	05-05-2023		**(ft)**	**(ft)**		**(ft)**	**(ft)**
Proposed Location:	Building 3	**Logged by:**	U. Khan	**First Encountered:** ▽	8.4	304.5			
		Contractor:	Neighbors Property Management	**At Completion:** ▼	8.4	304.5			
		Rig Type:	Bobcat E60						

Sample Information			Depth	Strata		DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	(FT)				
0.0 - 1.0				Surface Cover		12 inches of topsoil	
1.0 - 3.8	S-1	Bag	2.0			Pale brown coarse to fine sand, some clay, little coarse to fine gravel, trace fine roots, trace cobbles, moist (SC)	
3.8 - 7.0	S-2	Bag	4.0	Glacial Deposits		Pale red coarse to fine sand, some coarse to fine gravel, little cobbles and boulders, trace silt, moist (SP-SM)	Apparent perched groundwater at 3.9 feet
7.0 - 8.4			6.0			Pale red coarse to fine sand, some coarse to fine gravel, little cobbles and boulders, moist (SP)	
8.4 - 10.2			8.0 ▽ ▼			As above, wet (SP)	
			10.0			Test Pit TP-21 was terminated at approximately 10.2 feet below the ground surface.	

DYNAMIC EARTH

TEST PIT

Test Pit : TP-22

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

Surface Elevation:	311.6 feet	**Date Started:**	05-05-2023	**Groundwater Data**	**Depth**	**El.**	**Additional Groundwater Data**	**Depth**	**El.**
Termination Depth:	7.8 feet	**Date Completed:**	05-05-2023		**(ft)**	**(ft)**		**(ft)**	**(ft)**
Proposed Location:	Building 3	**Logged by:**	U. Khan	**First Encountered:** ▽	5.2	306.4			
		Contractor:	Neighbors Property Management	**At Completion:** ▼	5.2	306.4			
		Rig Type:	Bobcat E60						

Sample Information			Depth	Strata		DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	(FT)				
0.0 - 0.8				Surface Cover		10 inches of topsoil	
			2.0				Apparent perched groundwater at 2 feet
0.8 - 4.7	S-1	Bag		FILL		Dark brown coarse to fine sand, some coarse to fine gravel, little debris (bricks, ceramics, and wood), moist (FILL)	
			4.0				
4.7 - 5.2			▽ ▼			Gray coarse to fine sand, some clay, little coarse to fine gravel,moist (FILL)	
			6.0				
5.2 - 7.8	S-2	Bag				As above, some debris (lumber), wet (FILL)	
			8.0			Test Pit TP-22 was terminated at approximately 7.8 feet below the ground surface.	
			10.0				

DYNAMIC EARTH

TEST PIT

Test Pit : TP-23

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

				Groundwater Data	Depth (ft)	El. (ft)	Additional Groundwater Data	Depth (ft)	El. (ft)
Surface Elevation:	312.5 feet	**Date Started:**	05-08-2023						
Termination Depth:	10.0 feet	**Date Completed:**	05-08-2023						
Proposed Location:	Building 2	**Logged by:**	M. Stevenson	**First Encountered:** ▽	NE	-			
		Contractor:	Neighbors Property Management	**At Completion:** ▼	NE	-			
		Rig Type:	Bobcat E60						

Sample Information			Depth	Strata		DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	(FT)				
0.0 - 2.2	S-1	Bag				Brown silt and coarse to fine sand, little coarse to fine gravel, trace debris (roots), moist (FILL)	
			2.0				
2.2 - 5.0	S-2	Bag		FILL		As above, dark brown (FILL)	
			4.0				
5.0 - 7.0	S-3	Bag	6.0			Brown coarse to fine sand, and silt, little coarse to fine gravel, moist (SM)	
7.0 - 10.0	S-4	Bag		Glacial Deposits		Brown coarse to fine sand, some gravel, moist (SP)	
			8.0				
			10.0			Test Pit TP-23 was terminated at approximately 10 feet below the ground surface.	

DYNAMIC EARTH

TEST PIT

Test Pit : TP-24

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

Surface Elevation:	319.0 feet	**Date Started:**	05-08-2023	**Groundwater Data**	**Depth**	**El.**	**Additional Groundwater Data**	**Depth**	**El.**
Termination Depth:	10.0 feet	**Date Completed:**	05-08-2023		**(ft)**	**(ft)**		**(ft)**	**(ft)**
Proposed Location:	Building 2	**Logged by:**	M. Stevenson	**First Encountered:** ▽	4.0	315.0			
		Contractor:	Neighbors Property Management	**At Completion:** ▼	10.0	309.0			
		Rig Type:	Bobcat E60						

Sample Information			Depth	Strata		DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	(FT)				
0.0 - 2.0	S-1	Bag				Brown coarse to fine sand and silt, little gravel, little debris (roots), moist (FILL)	
			2.0				
			▽ 4.0				Apparent perched groundwater at 4 feet
				FILL			
2.0 - 10.0	S-2	Bag	6.0			As above, dark brown (FILL)	
			8.0				
			10.0 ▼				
						Test Pit TP-24 was terminated at approximately 10 feet below the ground surface.	

DYNAMIC EARTH

TEST PIT

Test Pit : TP-25

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

Surface Elevation:	316.7 feet	**Date Started:**	05-04-2023	**Groundwater Data**	**Depth**	**El.**	**Additional Groundwater Data**	**Depth**	**El.**
Termination Depth:	10.0 feet	**Date Completed:**	05-04-2023		**(ft)**	**(ft)**		**(ft)**	**(ft)**
Proposed Location:	Building 2	**Logged by:**	U. Khan	**First Encountered:** ▽	NE	-			
		Contractor:	Neighbors Property Management	**At Completion:** ▼	NE	-			
		Rig Type:	Bobcat E60						

Sample Information			Depth	Strata		DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	(FT)				
0.0 - 0.7				Surface Cover		8 inches of topsoil	
0.7 - 1.9						Brown coarse to fine sand, some coarse to fine gravel, little silt, little cobbles and boulders, moist (FILL)	Apparent perched groundwater at 0.8 feet
			2.0				
			4.0	FILL			
1.9 - 9.3	S-1	Bag				Dark grayish brown coarse to fine sand, and silt, some coarse to fine gravel, little clay, little cobbles and boulders, little debris (bricks), moist (FILL)	
			6.0				Organic odor
			8.0	Glacial Deposits		Reddish brown coarse to fine sand, some coarse to fine gravel, little cobbles and boulders, moist (SP)	
9.3 - 11.6	S-2	Bag					
			10.0			Test Pit TP-25 was terminated at approximately 10 feet below the ground surface.	

DYNAMIC EARTH

TEST PIT

Test Pit : TP-26

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

Surface Elevation:	318.3 feet	**Date Started:**	05-04-2023	**Groundwater Data**	**Depth**	**El.**	**Additional Groundwater Data**	**Depth**	**El.**
Termination Depth:	11.6 feet	**Date Completed:**	05-04-2023		**(ft)**	**(ft)**		**(ft)**	**(ft)**
Proposed Location:	Building 2	**Logged by:**	U. Khan	**First Encountered:** ▽	NE	-			
		Contractor:	Neighbors Property Management	**At Completion:** ▼	NE	-			
		Rig Type:	Bobcat E60						

Sample Information			Depth	Strata		DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	(FT)				
0.0 - 0.7				Surface Cover		8 inches of topsoil	Apparent perched groundwater at 0.8 feet
0.7 - 1.7						Brown coarse to fine sand, little silt, little coarse to fine gravel, little cobbles and boulders, moist (FILL)	
			2.0				
1.7 - 7.3	S-1	Bag				Dark grayish brown coarse to fine sand, some silt, some clay, little coarse to fine gravel, little debris (rebar, wires, brick, lumber), little cobbles and boulders, moist (FILL)	
			4.0				
			6.0	FILL			
7.3 - 10.0	S-2	Bag				As above, some debris (lumber) (FILL)	
			8.0				
			10.0				
						Test Pit TP-26 encountered refusal at approximately 11.6 feet below the ground surface on apparent boulder.	

DYNAMIC EARTH

TEST PIT

Test Pit : TP-27

Project:	Proposed Industrial Park	**Proj. No.:**	3709-99-004EC
Location:	25 Old Mill Road, Village of Suffern, Rockland County, New York	**Client:**	Brookfield Properties

Surface Elevation:	313.5 feet	**Date Started:**	05-08-2023	**Groundwater Data**	**Depth**	**El.**	**Additional Groundwater Data**	**Depth**	**El.**
Termination Depth:	6.5 feet	**Date Completed:**	05-08-2023		**(ft)**	**(ft)**		**(ft)**	**(ft)**
Proposed Location:	Building 2	**Logged by:**	M. Stevenson	**First Encountered:** ▽	NE	-			
		Contractor:	Neighbors Property Management	**At Completion:** ▼	NE	-			
		Rig Type:	Bobcat E60						

Sample Information			Depth	Strata		DESCRIPTION OF MATERIALS (Classification)	Remarks
Depth (Feet)	Number	Type	(FT)				
0.0 - 1.0	S-1	Bag		FILL		Brown coarse to fine sand, and silt, trace gravel, trace debris (roots), moist (FILL)	
1.0 - 3.0	S-2	Bag	2.0	Glacial Deposits		Brown coarse to fine sand, some silt, little gravel, moist (SM)	
3.0 - 4.0	S-3	Bag				As above, some gravel (SM)	
4.0 - 6.5	S-4	Bag	4.0			Light brown coarse to fine sand, little gravel, trace silt, moist (SP)	
			6.0				
			8.0			Test Pit TP-27 was terminated at approximately 6.5 feet below the ground surface.	
			10.0				