



Known for excellence.
Built on trust.



SUPPLEMENTAL STORMWATER INVESTIGATION

**Proposed Fusion at Plainsboro
Mixed-Use Development
Plainsboro Township, Middlesex County, NJ
Ivy Realty Services, LLC**

May 1, 2024
File No. 26.0092818.01

PREPARED FOR:
Ivy Realty Services, LLC
102 Chestnut Ridge Road, S204
Montvale, New Jersey 07645

GZA GeoEnvironmental, Inc.
27 World Fair Drive | Somerset, NJ 08873
732-356-3400

www.gza.com

Copyright© 2023 GZA GeoEnvironmental, Inc..



Known for excellence.
Built on trust.

GEOTECHNICAL
ENVIRONMENTAL
ECOLOGICAL
WATER
CONSTRUCTION
MANAGEMENT

27 Worlds Fair Drive
Somerset, NJ
08873
T: 732-356-3400
www.gza.com

May 1, 2024
File No. 26.0092818.01

Ivy Realty Services, LLC
102 Chestnut Ridge Road, S204
Montvale, New Jersey 07645

Attention: Joe Cosenza
EVP Development

Report

**Supplemental Stormwater Investigation
Proposed Fusion at Plainsboro Mixed-Use Development
Plainsboro Township, Middlesex County, New Jersey
Ivy Realty Services, LLC**

Introduction

This report presents the results of a supplemental stormwater investigation performed for proposed stormwater management facilities that would service the Fusion at Plainsboro mixed-use development which may be constructed in Plainsboro Township, Middlesex County, New Jersey. The site comprises approximately 56 acres located between Scudders Mill Road and Plainsboro Road, to the east of their intersection with College Road. The approximate location of the project is shown on the Site Location Map, Plate 1. This report was prepared in general accordance with our proposal dated February 7, 2024 and executed on February 27, 2024.

Proposed Construction

The “Overall Site Plan” prepared by Van Note-Harvey, Division of Pennoni (VNH) dated December 3, 2023, indicates ten buildings, including three active adult buildings, two



mixed-use buildings, an office building, an extended stay building and three commercial buildings would be constructed at the site. Most of the buildings would reportedly range from three to six stories in height, while the active adult facilities and office facilities may be one to two stories. Grading information for the site was not available at the time of this writing, and is expected to be in part governed by the stormwater planning.

The concept stormwater plan indicates that 6 porous pavement areas, 22 bioretention basins, 13 underground basins, and 26 drywells are being considered for stormwater management at the site, and that infiltration is desired to be considered for each BMP at this time if soil and site conditions allow. Based on the results of the prior testing, additional soil logs and permeability testing were requested to further evaluate the stormwater design conditions as well as the hydrologic soil group (HSG) of the soils as the prior preliminary testing indicated that HSG "D" conditions may prevail at the site due to the restrictive permeability of the upper silty and clayey soils that blanket the site and that potential favorable stormwater infiltration areas may be limited.

Background

GZA previously performed a preliminary subsurface investigation on the property, which was the subject of our March 8, 2023 report. As part of that preliminary investigation, 32 stormwater test pit excavations and 10 test borings were performed as well as permeability tests. The explorations encountered a surficial layer of topsoil underlain by near surface natural silty and clayey soils overlying interlayered silty sands, clayey silts, and silty clays which extended to depths varying from approximately 1.2 to 18 feet below the existing ground surface (bgs). Some of the explorations encountered weathered/fractured



siltstone and sandstone bedrock below the native subsoils. Groundwater seepage and mottling levels varied with location and topography in the explorations. The 2023 test borings are included in Appendix I for reference.

Purpose and Scope of Work

The purpose of our supplemental stormwater investigation was to:

- 1) review the findings of our preliminary subsurface investigation with regards to the updated stormwater planning;
- 2) perform a series of supplemental explorations to explore the subsurface soil, rock, and groundwater conditions within or adjacent to the currently proposed stormwater BMP areas at a frequency generally consistent with the NJDEP requirement for mapping a site Hydrologic Soil Group (HSG);
- 3) collect selected tube samples of the encountered materials for permeability testing for use in evaluating the site HSG of the site soils and permeability of the subsoils for this phase of the investigation for the current stormwater planning;
- 4) evaluate the site HSG mapping and identify general areas where stormwater infiltration may be feasible based on the encountered conditions; and
- 5) prepare a brief summary report of our findings for use by VNH in their evaluation and design of the site stormwater BMPs.

To accomplish these purposes, we initially reviewed the results of the 32 stormwater test pits and 10 borings performed by our firm in 2023 relative to the current preliminary stormwater plan and subsequently performed an exploration program consisting of 71 supplemental test pit excavations in the areas currently identified for potential BMPs to assist VNH in their site stormwater planning and design. It should be noted that the approximate 56-acre site size, we initially anticipated about 90 total explorations would be required by the NJDEP BMP Chapter 12 requirements to determine the site HSG



mapping for use in the site planning versus the 103 stormwater test pits and 10 borings that have been performed. The supplemental test pits were advanced using a rubber-tire backhoe or tracked-mounted excavator and generally extended to depths of up to 15 feet bgs, or to refusal atop rock if encountered at shallower depths. The locations of the supplemental test pits and prior explorations are shown relative to the concept stormwater plan on the Plot Plan, Plate 2. The results of the subject 71 supplemental test pits (TP-201 to TP-271) are presented on Plates 3-1 through 3-71. The results of the prior 32 tests pits from 2023 (TP-101 to 132) are included on Plates 4-1 through 4-32. The soils were visually described in accordance with the United States Department of Agriculture (USDA) Soil Classification System shown on Plate 5.

Tube samples were collected from selected soils in each supplemental test pit including the subsoil layer directly below the topsoil to aid in evaluating the permeability of the underlying soils and the hydrologic soil group (HSG) of the near surface soils. A total of 127 tube permeameter permeability tests were performed as part of our current work to supplement the 72 permeability tests performed as part of the 2023 preliminary testing. The results of all of the supplemental 2024 permeability tests are presented on Plate 6, while the results of the prior 2023 permeability tests at the site are included in Appendix II. A tabulation of all the permeability tests performed within soil strata within 42 inches of the existing ground surface as part of the HSG evaluation is included on Plate 7.

Selected samples of the soils encountered in the explorations were also subjected to laboratory classification and water content testing to aid in their visual identification, especially as it was noted that



some of the sandier subsoils were relatively fine grained. The results of the recent and prior laboratory gradation testing are presented on Plates 8A through 8D.

All field work was performed under the direct technical observation of a representative from GZA. Prior to the field work, the approved test pit locations were determined by surveyors from VNH and staked in the field. Our representative subsequently recorded the locations of the explorations in the field, maintained continuous logs of the explorations as the test pit work proceeded and obtained selected bulk and tube samples of the encountered materials. For TP-271, a location adjustment was made in the field based on access constraints and the modified location is shown on the plot plan. The results of the prior and supplemental explorations and review of our findings relative to NJDEP site stormwater design criteria, including the HSG investigation requirements, have provided the basis for our findings which are subject to limitations attached as Appendix III to this report.

Site Conditions

Surface Features: The majority of the property in the area to be developed is still primarily farmland that is has not been planted for the season. Local wooded/vegetated hedgerow areas are present between the fields and along the existing roadway/driveway that crosses the site and at the perimeter of the proposed developed areas. Wetlands and streams are also shown to be present outside the areas to be developed along the southeast and west sides of the site as shown on the plot plan. Topographic information shown on the plans provided to us indicate that the site grades generally slope downward from the north to south, varying from approximately Elevation +90 feet in the north nearest and slope



downward to approximately Elevation +65 feet near Plainsboro Road. These elevations are based off of North American Vertical Datum of 1988 (NAVD 88).

Subsurface Conditions: A surface layer of topsoil was encountered in every exploration and varied from approximately 3 to 22 inches in thickness. The topsoil was underlain by relatively fine-grained soils consisting primarily of clay but also including sandy clay loam, sandy clay, silt loam and sandy clay soil which generally exhibited restrictive permeabilities. The upper soil stratum generally extended to approximately 2 to 9 feet bgs and, where encountered, were generally underlain by natural interlayered sand, loamy sand and sandy loam soils and extended to approximately 2 to 16 feet bgs and to a depth of approximately 15 feet below grade in B-106.

Weathered siltstone and sandstone bedrock of the Stockton Formation was encountered in 69 of the 103 test pits and all of the test borings at depths as shallow as 2 feet bgs in Test Pits TP-238 and TP-270 to 15 feet bgs in B-106. Where encountered in the test pit, the rubber-tire backhoe was generally able to penetrate several feet into the decomposed soil and weathered seams in the rock to depths varying from approximately 3.2 to 16 feet bgs before refusal was encountered.

Groundwater seepage was encountered in most of the explorations at variable depths below the surface depending on location, soil conditions, and position on the landscape. It was noted that both the original 100 series test pits performed as part of our preliminary investigation were performed in January 2023 while the more recent test pits were performed in February, 2024 and both within the traditional NJDEP wet season January through April. Soil mottling believed to be indicative of seasonally saturated conditions was also observed in most of the test pits at variable depths which also depended upon



position in the landscape. Wetlands were also noted to be present in selected portions of the site and generally downhill and beyond the areas proposed to be developed. More detailed descriptions of the observed soil and groundwater conditions are provided on the individual exploration logs.

Findings

- 1) Based on the results of the prior and supplemental stormwater explorations, it appears that soil conditions at the site as they relate to stormwater infiltration appear to be relatively restrictive as the near surface soils were typically fine grained and exhibited relatively poor permeability characteristics, while soil types and permeabilities in the underlying soil layers were more varied where depending upon the individual soil layers being penetrated. The fine grained silty and clayey material within the deeper soils, as well as some of the finer loams and sandy loams were generally restricted to low permeabilities, while some of the localized sandier subsoil layers exhibited permeabilities ranging from approximately 1 inch per hour to up to 20 inches per hour locally. Overall, the vast majority of subsoils at the site exhibited relatively restrictive conditions for potential recharge with limited possibilities in areas underlain by sandy soil layers that are not adversely impacted by the groundwater levels or bedrock conditions.
- 2) The results of the soil logs and laboratory testing indicate that approximately 101 of the 103 permeability tests performed within the upper site HSG strata exhibited permeabilities consistent with HSG "D" soil conditions, with only one location identifying Type "C" and another Type "B" characteristics. The localized presence of seasonal water and/or rock would also be a contributing factor to the HSG mapping as "D" soils. Given predominance of the HSG D soil tests, we believe that the site should be classified as HSG D from a stormwater planning perspective.
- 3) The results of the explorations are provided on the individual soil logs and for evaluation by VNH as to whether there is potential for any local stormwater BMP that can be provided to allow some infiltration into the subsurface. No testing was performed in rock which was generally encountered below the estimated seasonal high water level.
- 4) Siting of any of the stormwater facilities and related excavations will have to consider the presence of the groundwater and estimated seasonal high levels, as well as the potential presence of bedrock.

Please contact us if you have any questions regarding this information.



May 1, 2024
File No. 26.0092818.01
Ivy Realty Services, LLC – Plainsboro Township, NJ
Page | 8

The following Plates and Appendices are attached and complete this report:

- Plate 1 – Site Location Map
- Plate 2 – Plot Plan
- Plate 3-1 through 3-71 –Test Pits Logs (TP-201 through TP-271)
- Plate 4-1 through 4-32 –Test Pits Logs (TP-101 through TP-132)
- Plate 5 – USDA Textural Chart
- Plate 6 – Summary of Laboratory Tube Permeameter Permeability Test Results (2024)
- Plate 7 – Summary of Hydrologic Soil Group
- Plates 8A through 8D – Gradation Curves
- Appendix I – Test Boring Logs (2023)
- Appendix II – Summary of Laboratory Tube Permeameter Permeability Test Results (2023)
- Appendix III – Limitations

Respectfully submitted,

GZA GeoEnvironmental, Inc.

A handwritten signature in blue ink that reads 'Cory Karinja'.

Cory Karinja, P.E.
Senior Project Manager

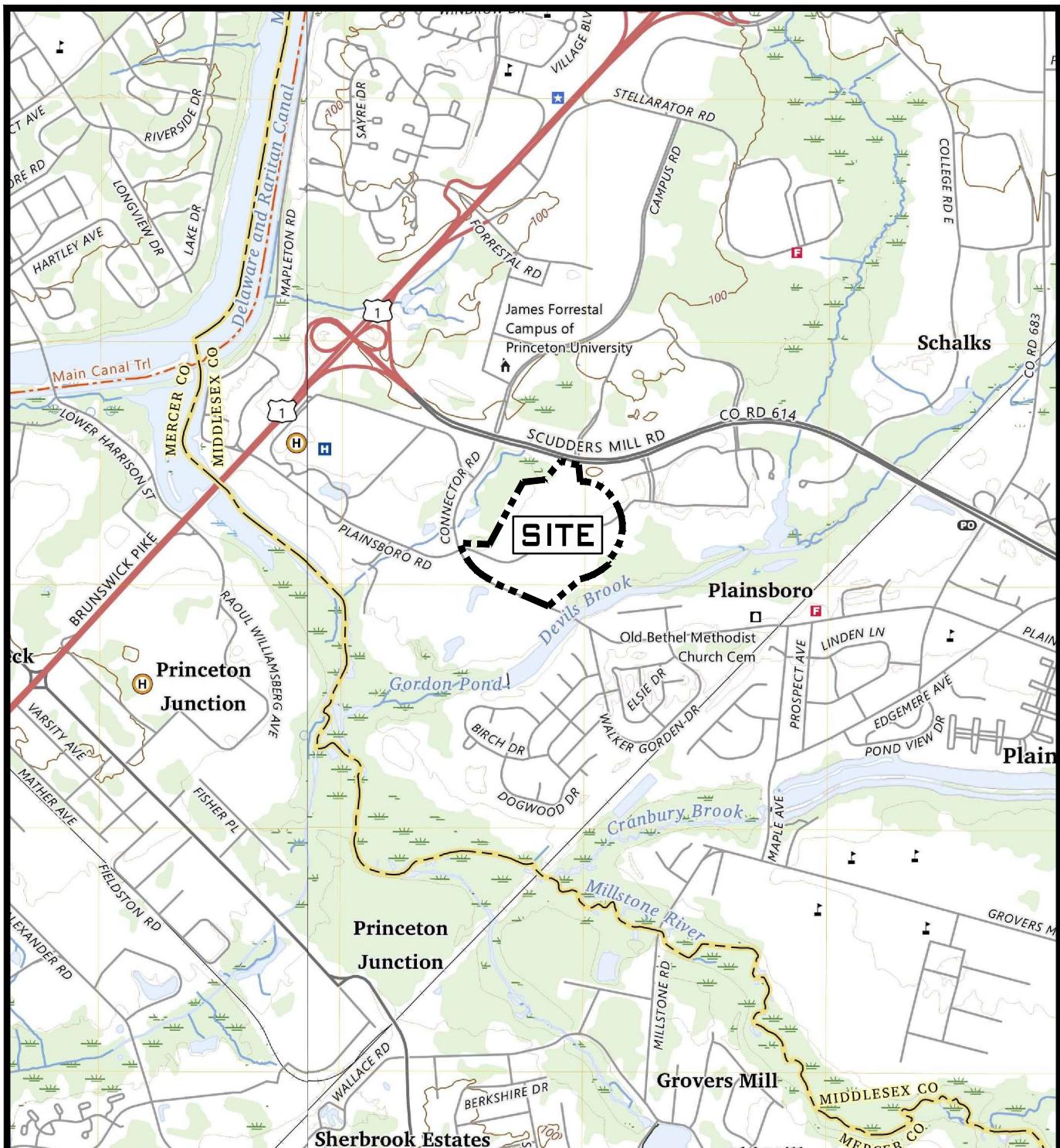
A handwritten signature in blue ink that reads 'Christopher P. Tansey'.

Christopher P. Tansey, P.E.
Associate Principal

A handwritten signature in blue ink that reads 'Robert E. Schwankert'.

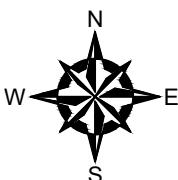
Robert E. Schwankert, P.E.
Consultant/Reviewer

CSK/CPT/mh



SOURCE: "Princeton & Hightstown Quadrangles, NJ, 7.5 Minute Series (Topographic)," USGS, 2023.

A scale bar for a map, showing distances in feet. The bar is divided into four segments by vertical lines. The first segment is labeled '0'. The second segment is labeled '1,000''. The third segment is labeled '2,000''. The fourth segment is labeled '4,000''. Below the scale bar, the text 'SCALE IN FEET 1" = 2,000'' is written.

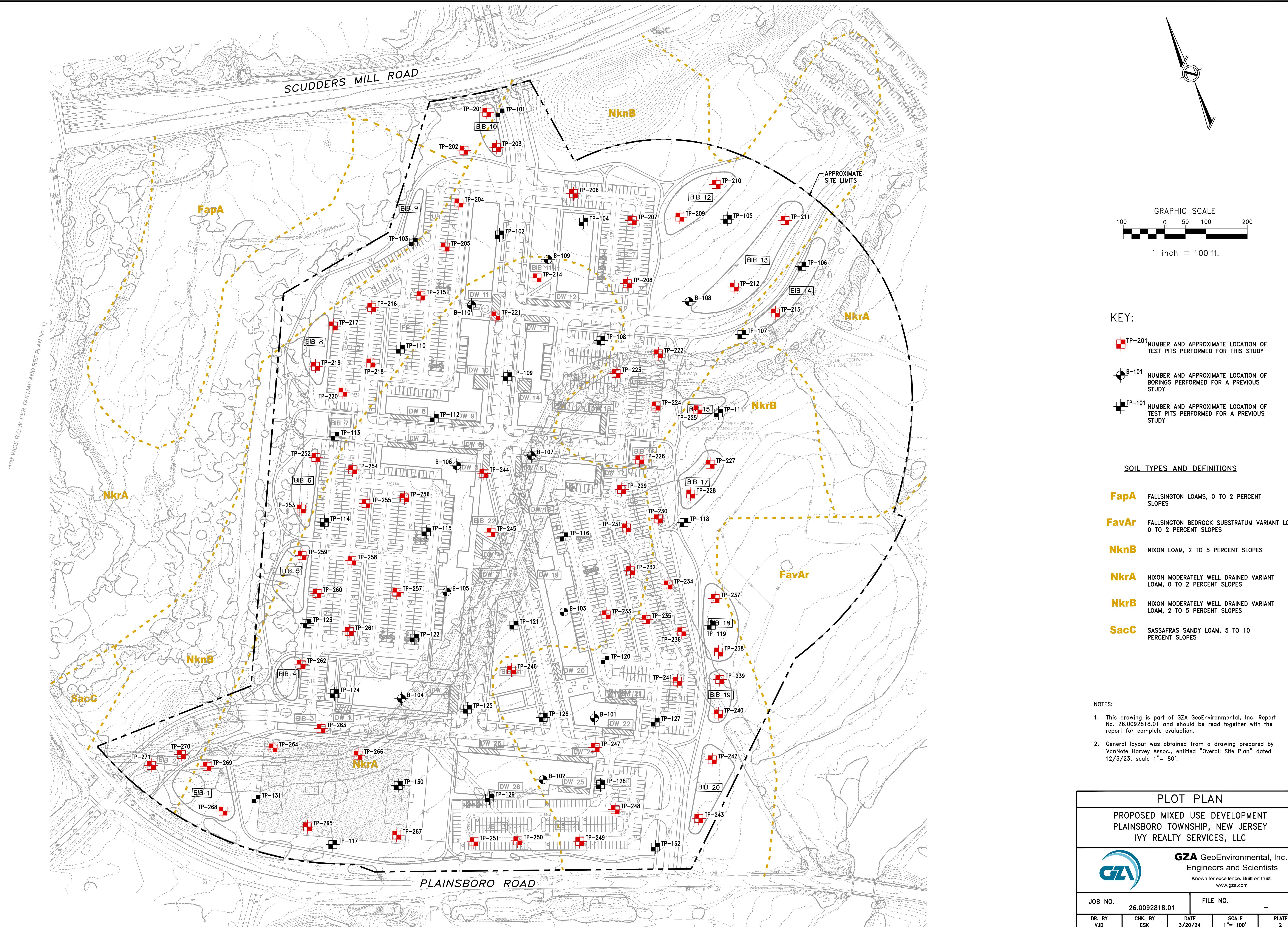


PROJ. MGR.: CSK
DESIGNED BY: CSK
DRAWN BY: VJD
DATE: 3/20/24

SITE LOCATION MAP

**PROPOSED MIXED USE DEVELOPMENT
PLAINSBORO TOWNSHIP, NEW JERSEY
IVY REALTY SERVICES, LLC**

JOB NO.	26.0092818.01
PLATE	1



TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-201 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +85.9			Final Test Pit Depth (ft.): 16 Date Start - Finish: 2/29/2024 - 2/29/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				2/29/24		9			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	3	0-4	Topsoil - Dark yellowish brown (10YR, 3/4) silt loam, weak fine crumb, moist, loose, clear smooth boundary, common fine roots			1		
2			4-48	Dark yellowish brown (10YR, 4/4) clay, 5% gravel, moderate medium subangular blocky, moist, friable, clear wavy boundary			2		
3							3		
4							4		
5	S2, T2	6	48-108	Brownish yellow (10YR, 6/6) loamy sand, weak fine crumb, moist, friable, clear wavy boundary, common medium faint light gray (10YR, 7/2) mottles encountered throughout layer			5		
6							6		
7							7		
8							8		
9							9		
10	S3	10		Reddish brown (5YR, 4/3) silt loam, 15% gravel, moderate medium subangular blocky, moist, friable			10		
11	T3	11					11		
12							12		
13							13		
14							14		
15							15		
16							16		
17				End of exploration at 16 feet. Moderate groundwater seepage encountered @ 9' Rapid groundwater seepage encountered @ 12' Estimated seasonal high water @ 48"					
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-1	

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-202 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +84.8			Final Test Pit Depth (ft.): 16 Date Start - Finish: 2/29/2024 - 2/29/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab. Time		
				2/29/24		4.5			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	2	0-6	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, loose, clear smooth boundary, common fine roots			1		
2			6-42	Dark yellowish brown (10YR, 4/4) clay, 5% gravel, moderate medium subangular blocky, moist, friable, clear wavy boundary, many coarse prominent light gray (10YR, 7/2) mottles encountered from 27 inches to 42 inches					
3	S2, T2	6	42-72	Dark yellowish brown (10YR, 3/6) sandy loam, 25% gravel, moderate medium crumb, moist, friable, diffuse smooth boundary			6		
4			72-120	Dark reddish brown (5YR, 3/2) sandy clay, 25% gravel, moderate medium crumb, moist, friable, clear smooth boundary					
5			120-192	Reddish brown (5YR, 4/3) silt loam, 65% gravel, moderate medium angular blocky, wet, friable					
6	S3, T3	9					10		
7									
8	S4	14					11		
9									
10							12		
11							13		
12							14		
13							15		
14							16		
15									
16									
17				End of exploration at 16 feet. Slight groundwater seepage encountered @ 4.5' Moderate groundwater seepage encountered @ 11' Estimated seasonal high water @ 27"					
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-2	

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-203 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +85.8			Final Test Pit Depth (ft.): 16 Date Start - Finish: 2/29/2024 - 2/29/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				2/29/24		9			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	3	0-6	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, loose, clear smooth boundary, common fine roots			1		
2				Dark yellowish brown (10YR, 4/4) clay, 5% gravel, moderate medium subangular blocky, moist, friable, clear wavy boundary, common coarse prominent light gray (10YR, 7/1) encountered from 20 inches to 54 inches					
3	S2, T2	6	6-54	Dark yellowish brown (10YR, 3/6) sandy loam, 25% gravel, weak medium crumb, moist, friable, clear smooth boundary			6		
4									
5									
6	S3, T3	10	54-84	Yellowish brown (10YR, 5/8) loamy sand, moderate medium subangular blocky, moist, cemented, common coarse distinct light gray (10YR, 7/1) mottles encountered throughout layer			7		
7									
8							8		
9									
10									
11									
12									
13									
14									
15									
16									
17				End of exploration at 16 feet. Rapid groundwater seepage encountered @ 9' Estimated seasonal high water @ 20"					
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-3	

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists				Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-204 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja		
Logged By: Chris Fulton Contractor: Neary Operator: Joey				Test Pit Location: See Plan Ground Surface Elev. (ft.): +84.1			Final Test Pit Depth (ft.): 12 Date Start - Finish: 2/29/2024 - 2/29/2024		
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
	2/29/24		9						
	2/29/24		11						
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	3	0-8	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, loose, clear smooth boundary, common fine roots			1		
2				Yellowish brown (10YR, 5/8) clay, 5% gravel, moderate medium subangular blocky, moist, friable, clear wavy boundary, many coarse prominent light gray (10YR, 7/2) mottles encountered from 20 inches to 72 inches					
3	S2, T2	7	8-72	Yellowish brown (10YR, 5/8) sandy clay loam, 5% gravel, moderate medium crumb, moist, friable, common medium faint light gray (10YR, 7/2) mottles encountered throughout layer			7	14.6	
4									
5									
6									
7									
8									
9									
10									
11									
12				- refusal on sandstone bedrock @ 12'					
13				End of exploration at 12 feet.					
14				Slight groundwater seepage encountered @ 9'					
15				Moderate groundwater seepage encountered @ 11'					
16				Estimated seasonal high water @ 20"					
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.									Plate No.: 3-4

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists				Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-205 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja		
Logged By: Chris Fulton Contractor: Neary Operator: Joey				Test Pit Location: See Plan Ground Surface Elev. (ft.): +83.7			Final Test Pit Depth (ft.): 14 Date Start - Finish: 2/29/2024 - 2/29/2024		
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				2/29/24		11			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	3	0-6	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, loose, clear smooth boundary, common fine roots			1	1	
2				Yellowish brown (10YR, 5/8) clay, moderate medium subangular blocky, moist, friable, clear wavy boundary, many coarse prominent light gray (10YR, 7/2) mottles encountered from 24 inches to 54 inches					
3			6-54						
4									
5	S2, T2	7	54-120	Dark yellowish brown (10YR, 4/6) loamy sand, 5% gravel, moderate medium crumb, moist, friable, clear smooth boundary, common medium distinct light gray (10YR, 7/2) mottles encountered throughout layer			5	5	
6									
7			120-168						
8									
9	S3	12	120-168	Dark reddish brown (5YR, 3/4) siltstone, with 45% silt loam, wet, friable			10	10	
10									
11				- refusal @ 14'					
12									
13									
14									
15		End of exploration at 14 feet. Slight groundwater seepage encountered @ 11' Estimated seasonal high water @ 24"							
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.									Plate No.: 3-5

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-206 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +87.6			Final Test Pit Depth (ft.): 16 Date Start - Finish: 2/27/2024 - 2/27/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				2/27/24		11			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	2	0-4	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, clear smooth boundary, common fine roots			1		
2			4-54	Dark yellowish brown (10YR, 4/6) clay, 5% gravel, strong coarse subangular blocky, moist, firm, clear wavy boundary			2		
3							3		
4							4		
5	S2, T2	6		Yellowish brown (10YR, 5/6) sandy clay loam, moderate medium subangular blocky, moist, firm, common medium distinct very pale brown (10YR, 7/3) mottles encountered from 54 inches to 120 inches			5		
6							6		
7							7		
8							8		
9							9		
10							10		
11							11		
12							12		
13							13		
14							14		
15							15		
16							16		
17				End of exploration at 16 feet. Rapid groundwater seepage encountered @ 11' Estimated seasonal high water @ 54"					
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-6	

TEST PIT LOG										
 GZA GeoEnvironmental, Inc. Engineers and Scientists				Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-207 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey				Test Pit Location: See Plan Ground Surface Elev. (ft.): +87.3			Final Test Pit Depth (ft.): 12 Date Start - Finish: 2/27/2024 - 2/27/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)						
				Date	Time	Water Depth		Stab.Time		
				2/27/24		NE				
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification				Depth (ft)	Water Content (%)	Remark
1	S1, T1	2	0-4	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, clear smooth boundary, common fine roots				1		
2			4-48	Dark yellowish brown (10YR, 4/6) clay, 5% gravel, strong coarse subangular blocky, moist, friable, clear wavy boundary				2		
3	S2, T2	5						3		
4			48-96	Yellowish brown (10YR, 5/6) sandy clay, 5% gravel, moderate medium crumb, moist, friable, abrupt wavy boundary, common medium distinct very pale brown (10YR, 7/2) mottles encountered throughout layer				4		
5								5		
6								6		
7								7		
8								8		
9								9		
10	S3	10	96-144	Reddish brown (5YR, 4/3) shale, with 45% silt loam, strong medium angular blocky, friable, few coarse prominent pink (5YR, 8/4) mottles encountered throughout layer				10		
11								11		
12				- refusal @ 12'				12		
13				End of exploration at 12 feet. Groundwater seepage not encountered Estimated seasonal high water @ 48"						
14										
15										
16										
17										
18										
19										
20										
REMARKS										
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.										Plate No.: 3-7

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists				Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-208 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja		
Logged By: Chris Fulton Contractor: Neary Operator: Joey				Test Pit Location: See Plan Ground Surface Elev. (ft.): +84.6			Final Test Pit Depth (ft.): 11 Date Start - Finish: 2/27/2024 - 2/27/2024		
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				2/27/24		NE			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	3	0-4	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, clear smooth boundary, common fine roots			1		
2			4-48	Dark yellowish brown (10YR, 4/4) clay, 5% gravel, strong medium subangular blocky, moist, friable, clear wavy boundary					
3	S2, T2	6	48-84	Dark reddish brown (5YR, 3/2) silt loam, 15% gravel, moderate medium crumb, moist, friable, clear wavy boundary			6		
4			84-132	Very pale brown (10YR, 7/3) loamy sand, moderate medium crumb, moist, cemented					
5				- refusal @ 11' on sandstone bedrock					
6				End of exploration at 11 feet. Groundwater seepage not encountered Estimated seasonal high water >132"			10		
7							11		
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.									Plate No.: 3-8

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-209 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +86.9			Final Test Pit Depth (ft.): 14 Date Start - Finish: 2/27/2024 - 2/27/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				2/27/24		NE			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	3	0-4	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, clear smooth boundary, common fine roots			1		
2			4-48	Reddish brown (5YR, 4/3) clay, 5% gravel, strong medium subangular, moist, friable, abrupt smooth boundary			2		
3							3		
4							4		
5	S2, T2	6	48-108	Reddish yellow (7.5YR, 6/8) sandy loam, moderate fine crumb, moist, friable, abrupt wavy boundary			5		
6							6		
7							7		
8							8		
9							9		
10	S3	10	108-168	Reddish brown (5YR, 4/3) shale, with 15% silt loam, moist, few coarse prominent pink (5YR, 5/4) mottles encountered from 120 inches to 168 inches			10		
11							11		
12							12		
13							13		
14				- refusal @ 14'			14		
15				End of exploration at 14 feet. Groundwater seepage not encountered Estimated seasonal high water @ 120"					
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-9	

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists				Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-210 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja		
Logged By: Chris Fulton Contractor: Neary Operator: Joey				Test Pit Location: See Plan Ground Surface Elev. (ft.): +86.5			Final Test Pit Depth (ft.): 12 Date Start - Finish: 2/27/2024 - 2/27/2024		
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				2/27/24		NE			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	3	0-6 6-54 54-144	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, abrupt smooth boundary, few fine to medium roots			1 2 3 4 5 6 7 8 9 10 11 12		
2				Yellowish red (5YR, 4/6) fine sandy loam, strong medium subangular blocky, moist, friable, gradual smooth boundary					
3									
4									
5									
6				Reddish brown (5YR, 4/3) shale, with 45% loam, moist, clear irregular boundary, few fine faint pink (5YR, 7/3) mottles encountered from 84 inches to 144 inches					
7									
8									
9									
10									
11									
12				- refusal @ 12'					
13	End of exploration at 12 feet. Groundwater seepage not encountered Estimated seasonal high water @ 84"								
14									
15									
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.									Plate No.: 3-10

TEST PIT LOG										
 GZA GeoEnvironmental, Inc. Engineers and Scientists				Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-211 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey				Test Pit Location: See Plan Ground Surface Elev. (ft.): +81.3			Final Test Pit Depth (ft.): 9 Date Start - Finish: 2/27/2024 - 2/27/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)						
				Date	Time	Water Depth	Stab.Time			
				2/27/24		NE				
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification				Depth (ft)	Water Content (%)	Remark
1	S1, T1	1	0-3	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, gradual smooth boundary, common fine roots				1		
2	S2, T2	2	3-18	Fill - Dark yellowish brown (10YR, 4/4) silt loam, 15% gravel, moderate medium subangular blocky, moist, friable, clear wavy boundary, few fine roots				2		
3			18-32	Strong brown (7.5YR, 4/6) clay, 5% gravel, strong medium subangular blocky, moist, firm, clear smooth boundary				3		
4				Yellowish brown (10YR, 5/8) and very pale brown (10YR, 8/2) sandy loam, 5% gravel, moderate fine crumb, moist, friable				4		
5								5		
6	S3, T3	6	32-108					6		
7								7		
8	S4	8		- refusal @ 9' on sandstone bedrock				8		
9								9		
10				End of exploration at 9 feet. Groundwater seepage not encountered Estimated seasonal high water >108"						
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
REMARKS										
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.										Plate No.: 3-11

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-212 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +81.4			Final Test Pit Depth (ft.): 16 Date Start - Finish: 2/26/2024 - 2/26/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab. Time		
				2/26/24		NE			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1	1	0-3	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, clear smooth boundary, common fine roots			1		
2			3-18	Fill - Dark yellowish brown (10YR, 4/4) loam, 15% gravel, weak medium subangular blocky, moist, friable, clear wavy boundary, few fine roots			2		
3	S2, T1	3	18-44	Dark yellowish brown (10YR, 3/6) clay loam, 5% gravel, strong coarse subangular blocky, moist, friable, clear smooth boundary			3		
4				Reddish yellow (7.5YR, 6/8) sandy loam, 5% gravel, moderate medium crumb, moist, friable, many coarse prominent very pale brown (10YR, 8/2) mottles encountered from 168 inches to 192 inches			4		
5							5		
6	S3, T2	6					6		
7							7		
8							8		
9							9		
10							10		
11							11		
12							12		
13							13		
14							14		
15							15		
16			44-192				16		
17				End of exploration at 16 feet. Groundwater seepage not encountered Estimated seasonal high water @ 168"					
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-12	

TEST PIT LOG										
 GZA GeoEnvironmental, Inc. Engineers and Scientists				Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-213 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey				Test Pit Location: See Plan Ground Surface Elev. (ft.): +77.9			Final Test Pit Depth (ft.): 8.3 Date Start - Finish: 2/26/2024 - 2/26/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)						
				Date	Time	Water Depth	Stab.Time			
				2/26/24		NE				
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification				Depth (ft)	Water Content (%)	Remark
1	S1	1	0-3	Dark yellowish brown (10YR, 4/4) silt loam, moderate fine crumb, moist, friable, clear smooth boundary, common fine roots				1		
2			3-18	Dark yellowish brown (10YR, 4/4) silt loam, weak medium crumb, moist, friable, clear wavy boundary, few fine roots				2		
3	S2, T1	3	18-44	Brownish yellow (10YR, 6/6) clay, strong medium subangular blocky, moist, friable, gradual smooth boundary				3		
4				Brownish yellow (10YR, 6/6) and light yellowish brown (10YR, 6/4) loamy sand, 5% gravel, strong medium crumb, moist, cemented				4		
5								5		
6	S3, T2	6	44-96					6		
7								7		
8	S4	8	96-100	Light yellowish brown (10YR, 6/4) and very dark grayish brown (10YR, 3/2) sandstone, with 5% loamy sand, slightly moist - refusal @ 8'-3" on sandstone bedrock				8		
9				End of exploration at 8.3 feet. Groundwater seepage not encountered Estimated seasonal high water >100"						
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
REMARKS										
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.										Plate No.: 3-13

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-214 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +84.3			Final Test Pit Depth (ft.): 16 Date Start - Finish: 2/29/2024 - 2/29/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				2/29/24		6			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	3	0-8	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, loose, clear smooth boundary, common fine roots			1	1	
2				Yellowish brown (10YR, 5/8) clay, 5% gravel, moderate medium subangular blocky, moist, friable, clear wavy boundary, many coarse prominent light gray (10YR, 7/2) mottles encountered from 38 inches to 60 inches					
3			S2, T2	6	8-60	Yellowish brown (10YR, 5/6) loamy sand, 15% gravel, weak fine granular, moist, loose, clear wavy boundary			
4	Dark reddish brown (5YR, 3/2) silt loam, 5% gravel, moderate medium subangular blocky, moist, friable								
5	S3, T3	10			60-96				3
6									
7					96-192				
8									
9					96-192				5
10									
11					96-192				
12									
13					96-192				7
14									
15					96-192				
16									
17					96-192	End of exploration at 16 feet. Slight groundwater seepage encountered @ 6' Estimated seasonal high water @ 38"			9
18									
19					96-192				
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-14	

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-215 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +82.5			Final Test Pit Depth (ft.): 13 Date Start - Finish: 2/29/2024 - 2/29/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				2/29/24		7			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	3	0-6	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, loose, clear smooth boundary, common fine roots			1		
2			6-66	Yellowish brown (10YR, 5/8) clay, 5% gravel, moderate medium subangular blocky, moist, friable, clear wavy boundary			2		
3							3		
4							4		
5							5		
6				Dark reddish brown (5YR, 3/2) sandy loam, 5% gravel, moderate medium subangular blocky, moist, friable, clear smooth boundary, few fine faint pink (5YR, 7/3) mottles encountered from 72 inches to 84 inches			6		
7							7		
8	@, T2	8	66-144				8		
9							9		
10							10		
11							11		
12							12		
13			144-156	Dark reddish brown (5YR, 3/2) shale, 15% silt loam, wet - refusal @ 13'			13		
14				End of exploration at 13 feet.					
15				Slight groundwater seepage encountered @ 7.5'					
16				Rapid groundwater seepage encountered @ 9'					
17				Estimated seasonal high water @ 72"					
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-15	

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists				Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-216 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja		
Logged By: Chris Fulton Contractor: Neary Operator: Joey				Test Pit Location: See Plan Ground Surface Elev. (ft.): +80.7			Final Test Pit Depth (ft.): 12 Date Start - Finish: 3/1/2024 - 3/1/2024		
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				3/1/24		8.5			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	3	0-6	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, loose, gradual smooth boundary, common fine roots			1		
2			6-60	Dark yellowish brown (10YR, 4/4) sandy clay loam, 5% gravel, moderate medium subangular blocky, moist, friable, gradual smooth boundary			2		
3							3		
4							4		
5							5		
6	S2, T2	7	60-108	Reddish brown (5YR, 4/3) silt loam, moderate medium subangular blocky, wet, friable, diffuse smooth boundary, few fine prominent pinkish gray (5YR, 7/2) mottles encountered from 66 inches to 72 inches			6		
7							7		
8							8		
9							9		
10	S3	11	108-144	Reddish brown (5YR, 4/3) siltstone, 25% silt loam, wet			10		
11				- refusal @ 12'			11		
12				End of exploration at 12 feet. Rapid groundwater seepage encountered @ 8.5' Estimated seasonal high water @ 66"			12		
13									
14									
15									
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.									Plate No.: 3-16

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-217 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +79.6			Final Test Pit Depth (ft.): 12 Date Start - Finish: 3/1/2024 - 3/1/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				3/1/24		5			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	2	0-6	Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, loose, gradual smooth boundary, common fine roots			1	1	
2			6-48	Dark yellowish brown (10YR, 4/4) sandy clay loam, 5% gravel, moderate medium subangular blocky, moist, friable, clear wavy boundary					
3	S2, T2	5	48-108	Brownish yellow (10YR, 6/8) sandy loam, 5% gravel, moderate medium crumb, moist, friable, clear wavy boundary, many coarse prominent light gray (10YR, 7/2) mottles encountered throughout layer			5	6	
4			108-144	Reddish brown (5YR, 4/3) siltstone, 25% silt loam, wet					
5				- refusal @ 12'					
6				End of exploration at 12 feet.					
7				Moderate groundwater seepage encountered @ 5'					
8		Rapid groundwater seepage encountered @ 9'							
9		Estimated seasonal high water @ 48"							
10							10		
11							11		
12							12		
13									
14									
15									
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-17	

TEST PIT LOG											
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-218 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja					
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +81.0			Final Test Pit Depth (ft.): 12 Date Start - Finish: 3/1/2024 - 3/1/2024					
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)							
				Date	Time	Water Depth	Stab.Time				
				3/1/24		8					
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark		
1	S1, T1	2	0-6	Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, gradual smooth boundary, common fine roots			1	1			
2			6-32	Dark yellowish brown (10YR, 4/4) silt loam, 5% gravel, moderate medium subangular blocky, moist, friable, clear smooth boundary, few fine roots							
3			32-84	Reddish brown (5YR, 4/3) silt loam, 15% gravel, moderate medium subangular blocky, friable, clear smooth boundary, common coarse prominent pinkish gray (5YR, 7/2) mottles encountered from 80 inches to 84 inches							
4	S2, T2	6	84-144	Reddish brown (5YR, 4/3) siltstone, 25% silt loam, wet			6	6			
5				- refusal @ 12'							
6				End of exploration at 12 feet.							
7				Rapid groundwater seepage encountered @ 8'							
8				Estimated seasonal high water @ 80"							
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
REMARKS											
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-18			

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-219 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +79.4			Final Test Pit Depth (ft.): 14 Date Start - Finish: 3/1/2024 - 3/1/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab. Time		
				3/1/24		6			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	3	0-6	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, loose, gradual smooth boundary, common fine roots			1		
2			6-42	Dark yellowish brown (10YR, 4/4) clay, 5% gravel, moderate medium subangular blocky, moist, friable, clear wavy boundary, few fine roots, many coarse prominent light gray (10YR, 7/2) mottles encountered from 22 inches to 42 inches			2		
3	S2, T2	6	42-108	Reddish brown (5YR, 4/3) fine sandy loam, 15% gravel, moderate medium crumb, wet, firm, clear wavy boundary			3		
4							4		
5							5		
6	S3	10	108-168	Reddish brown (5YR, 4/3) siltstone, 25% silt loam, wet			6		
7							7		
8							8		
9							9		
10				- refusal @ 14'			10		
11				End of exploration at 14 feet.			11		
12				Moderate groundwater seepage encountered @ 6'			12		
13				Rapid groundwater seepage encountered @ 10'			13		
14				Estimated seasonal high water @ 22"			14		
15									
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-19	

TEST PIT LOG											
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-220 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja					
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +80.8			Final Test Pit Depth (ft.): 11 Date Start - Finish: 3/1/2024 - 3/1/2024					
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)							
				Date	Time	Water Depth	Stab. Time				
				3/1/24		6.5					
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark		
1	S1, T1	3	0-6	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, gradual smooth boundary, common fine roots			1				
2			6-84	Brownish yellow (10YR, 6/8) clay, 5% gravel, moderate medium subangular blocky, moist, friable, clear wavy boundary, few fine roots, few fine faint light gray (10YR, 7/2) mottles encountered from 28" to 84"			2				
3							3				
4	S2, T2	8	84-108	Brownish yellow (10YR, 6/8) sandy loam, 5% gravel, moderate medium crumb, wet, friable, clear wavy boundary, common coarse faint light gray (10YR, 7/2) mottles encountered throughout layer			4				
5			108-132	Reddish brown (5YR, 4/3) siltstone, 25% silt loam, wet			5				
6				- refusal @ 11'			6				
7							7				
8				End of exploration at 11 feet. Moderate groundwater seepage encountered @ 6.5' Rapid groundwater seepage encountered @ 9' Estimated seasonal high water @ 28"			8				
9							9				
10							10				
11							11				
12											
13											
14											
15											
16											
17											
18											
19											
20											
REMARKS											
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-20			

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-221 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +82.8			Final Test Pit Depth (ft.): 15 Date Start - Finish: 2/29/2024 - 2/29/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				2/29/24		13			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	3	0-6	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, clear smooth boundary, common fine roots			1		
2			6-60	Yellowish brown (10YR, 5/8) clay, 5% gravel, moderate medium subangular blocky, moist, friable, clear wavy boundary, many coarse prominent light gray (10YR, 7/2) mottles encountered from 36 inches to 60 inches			2		
3	S2, T2	7	60-108	Yellowish brown (10YR, 5/8) loamy sand, 15% gravel, moderate medium crumb, moist, friable, clear wavy boundary			3		
4	S3, T3	10	108-180	Brownish yellow (10YR, 6/8) loamy sand, 5% gravel, moderate medium subangular blocky, moist, friable, common coarse prominent light gray (10YR, 7/2) mottles encountered throughout layer			4		
5				- refusal on sandstone bedrock @ 15'			5		
6				End of exploration at 15 feet.			6		
7				Slight groundwater seepage encountered @ 13'			7		
8				Estimated seasonal high water @ 108"			8		
9							9		
10							10		
11							11		
12							12		
13							13		
14							14		
15							15		
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-21	

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-222 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +80.8			Final Test Pit Depth (ft.): 13 Date Start - Finish: 3/11/2024 - 3/11/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				3/11/24		10.5			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	3	0-6	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, gradual smooth boundary, common fine roots			1		
2			6-60	Dark yellowish brown (10YR, 4/4) clay, strong medium subangular blocky, moist, firm, gradual smooth boundary			2		
3	S2, T2	7	60-120	Dark reddish brown (5YR, 3/2) fine sandy loam, 5% gravel, moderate medium subangular blocky, moist, friable, diffuse smooth boundary, few coarse prominent pinkish gray (5YR, 7/2) mottling throughout layer			3		
4			120-156	Dark reddish brown (5YR, 3/4) siltstone, 15% silt loam, wet			4		
5	S3	11		- refusal @ 13'			5		
6				End of exploration at 13 feet. Rapid groundwater seepage @ 10.5' Estimated seasonal high water @ 60"			6		
7							7		
8							8		
9							9		
10							10		
11							11		
12							12		
13							13		
14									
15									
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-22	

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-223 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +83.3			Final Test Pit Depth (ft.): 15 Date Start - Finish: 3/11/2024 - 3/11/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				3/11/24		14.5			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	3	0-6	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, clear smooth boundary, common fine roots			1		
2			6-48	Dark yellowish brown (10YR, 4/4) clay, 5% gravel, moderate medium subangular blocky, moist, firm, clear smooth boundary			2		
3							3		
4							4		
5	S2, T2	6		Brownish yellow (10YR, 6/8) fine sandy loam, moderate medium crumb, moist, friable, many coarse prominent light gray (10YR, 7/2) mottling encountered at 54 to 180 inches			5		
6							6		
7							7		
8							8		
9							9		
10							10		
11							11		
12							12		
13	S3, T3	13	48-180				13		
14							14		
15							15		
16				End of exploration at 15 feet. Slight groundwater seepage encountered @ 14.5' Estimated seasonal high water @ 54"					
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-23	

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-224 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +80.2			Final Test Pit Depth (ft.): 15 Date Start - Finish: 3/11/2024 - 3/11/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				3/11/24		14			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	3	0-8	Topsoil - Black (10YR, 2/1) silt loam, weak medium crumb, moist, friable, clear smooth boundary, common medium roots			1	1	
2				Yellowish brown (10YR, 5/6) clay, 5% gravel, moderate medium subangular blocky, moist, friable, gradual smooth boundary					
3	S2, T2	8	8-72	Brownish yellow (10YR, 6/8) loamy sand, weak fine crumb, moist, friable, many coarse prominent very pale brown (10YR, 8/3) mottles encountered throughout layer			7	7	
4									
5							8	8	
6									
7							9	9	
8									
9							10	10	
10									
11							11	11	
12									
13				- cemented @ 13'			12	12	
14									
15				End of exploration at 15 feet.			13	13	
16				Slight groundwater seepage encountered @ 14'					
17	Estimated seasonal high water @ 72"								
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-24	

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists				Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-225 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja		
Logged By: Chris Fulton Contractor: Neary Operator: Joey				Test Pit Location: See Plan Ground Surface Elev. (ft.): +78.1			Final Test Pit Depth (ft.): 12 Date Start - Finish: 3/11/2024 - 3/11/2024		
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				3/11/24		9.75			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	3	0-8	Topsoil - Black (10YR, 2/1) silt loam, weak medium crumb, moist, friable, clear smooth boundary, common medium roots			1	1	
2				Yellowish brown (10YR, 5/4) clay, 5% gravel, moderate medium subangular blocky, moist, sticky, clear smooth boundary, few fine roots					
3			8-54						
4									
5	S2	8	54-144	Reddish brown (5YR, 4/3) shale, 45% silt loam, moist, few coarse prominent pinkish gray (5YR, 7/2) mottles encountered from 66 inches to 144 inches			5	5	
6									
7									
8									
9									
10									
11									
12				- refusal @ 12'					
13				End of exploration at 12 feet. Rapid groundwater seepage encountered @ 9.75' Estimated seasonal high water @ 66"					
14									
15									
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.									Plate No.: 3-25

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-226 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +78.8			Final Test Pit Depth (ft.): 14 Date Start - Finish: 3/11/2024 - 3/11/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				3/11/24		12			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	2	0-8	Topsoil - Black (10YR, 2/1) silt loam, weak medium crumb, moist, friable, clear smooth boundary, common medium roots			1		
2			8-54	Yellowish brown (10YR, 5/6) clay, 5% gravel, moderate medium subangular blocky, moist, friable, gradual smooth boundary, few fine roots			2		
3							3		
4							4		
5				Brownish yellow (10YR, 6/8) loamy sand, strong medium crumb, moist, friable, gradual smooth boundary, many coarse prominent very pale brown (10YR, 8/3) mottles encountered throughout layer			5		
6							6		
7	S2, T2	7	54-144				7		
8							8		
9							9		
10							10		
11							11		
12							12		
13							13		
14				- refusal @ 14' on shale bedrock			14		
15				End of exploration at 14 feet. Rapid groundwater seepage encountered @ 14' Estimated seasonal high water @ 54"					
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-26	

TEST PIT LOG										
 GZA GeoEnvironmental, Inc. Engineers and Scientists				Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-227 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey				Test Pit Location: See Plan Ground Surface Elev. (ft.): +72.7			Final Test Pit Depth (ft.): 9.5 Date Start - Finish: 3/8/2024 - 3/8/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)						
				Date	Time	Water Depth		Stab.Time		
		3/8/24		4.5						
		3/8/24		8.5						
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification				Depth (ft)	Water Content (%)	Remark
1	S1, T1	2	0-8	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, gradual smooth boundary, common fine roots				1		
2			8-30	Brownish yellow (10YR, 6/6) clay, 5% gravel, moderate medium subangular blocky, moist, plastic, gradual smooth boundary, few fine roots, many coarse prominent light gray (10YR, 7/2) mottles encountered from 9 inches to 30 inches				2		
3	S2, T2	4	30-114	Brownish yellow (10YR, 6/8) loamy sand, weak fine crumb, moist, friable, many coarse prominent very pale brown (10YR, 8/3) mottles encountered throughout layer				3		
4				- refusal @ 9.5' on sandstone bedrock				4		
5				End of exploration at 9.5 feet.				5		
6				Slight groundwater seepage encountered @ 4.5'				6		
7				Rapid groundwater seepage encountered @ 8.5'				7		
8				Estimated seasonal high water @ 9"				8		
9								9		
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
REMARKS										
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.										Plate No.: 3-27

TEST PIT LOG										
 GZA GeoEnvironmental, Inc. Engineers and Scientists				Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-228 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey				Test Pit Location: See Plan Ground Surface Elev. (ft.): +72.4			Final Test Pit Depth (ft.): 12 Date Start - Finish: 3/8/2024 - 3/8/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)						
				Date 3/8/24		Time		Water Depth 8.5		Stab.Time
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification				Depth (ft)	Water Content (%)	Remark
1	S1, T1	2	0-8	Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, gradual smooth boundary, common fine roots				1	19.5	
2			8-36	Brownish yellow (10YR, 6/6) clay, moderate medium subangular blocky, moist, plastic, gradual smooth boundary, many coarse prominent white (10YR, 8/1) mottles encountered from 12 inches to 36 inches						
3	S2, T2	5	36-72	Brownish yellow (10YR, 6/6) loamy sand, weak fine crumb, moist, firm, diffuse smooth boundary, many coarse prominent light gray (10YR, 7/2) and white (10YR, 8/1) mottles encountered throughout layer				6	19.5	
4										
5										
6										
7	S3	8	72-144	Dark reddish brown (5YR, 3/2) siltstone, 30% silt loam, moist, few coarse prominent pinkish gray (5YR, 7/2) mottles encountered throughout layer				7	19.5	
8										
9										
10										
11										
12				- refusal @ 12'						
13				End of exploration at 12 feet. Rapid groundwater seepage encountered @ 8.5' Estimated seasonal high water @ 12"						
14										
15										
16										
17										
18										
19										
20										
REMARKS										
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.										Plate No.: 3-28

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-229 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +79.2			Final Test Pit Depth (ft.): 13 Date Start - Finish: 3/11/2024 - 3/11/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				3/11/24		11.5			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	3	0-18	Topsoil - Black (10YR, 2/1) silt loam, 5% gravel, weak medium crumb, moist, friable, clear smooth boundary, common medium roots			1		
2			18-84	Fill - Dark yellowish brown (10YR, 4/6) clay, moderate medium subangular blocky, moist, friable, abrupt wavy boundary, few fine roots			2		
3			84-120	Brownish yellow (10YR, 6/8) sandy loam, moderate medium crumb, moist, firm, gradual smooth boundary, many coarse prominent light gray (10YR, 7/2) mottles encountered from 96 inches to 120 inches			3		
4	S2, T2	9	120-156	Reddish brown (5YR, 4/3) siltstone, 4.5% silt loam, moist			4		
5			120-156	- refusal @ 13'			5		
6			120-156	End of exploration at 13 feet. Rapid groundwater seepage encountered @ 11.5' Estimated seasonal high water @ 96"			6		
7							7		
8							8		
9							9		
10							10		
11							11		
12							12		
13							13		
14									
15									
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.									Plate No.: 3-29

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-230 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +73.6			Final Test Pit Depth (ft.): 14 Date Start - Finish: 3/8/2024 - 3/8/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab. Time		
	3/8/24		5						
	3/8/24		8.5						
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	2	0-8	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, gradual smooth boundary, common fine roots			1		
2			8-38	Yellowish brown (10YR, 5/6) clay, 155 gravel, moderate medium subangular blocky, moist, plastic, clear wavy boundary, few fine roots, common medium distinct light gray (10YR, 7/2) mottles encountered from 14 inches to 38 inches			2		
3	S2, T2	5	38-168	Brownish yellow (10YR, 6/6) sandy loam, weak fine crumb, moist, firm, many coarse prominent light gray (10YR, 7/2) mottles encountered throughout layer			3		
4							4		
5							5		
6							6		
7							7		
8							8		
9				- cemented @ 9'			9		
10							10		
11							11		
12							12		
13				13					
14				14					
15				End of exploration at 14 feet. Moderate groundwater seepage encountered @ 5' Rapid groundwater seepage encountered @ 8.5' Unable to advance due to groundwater infiltration Estimated seasonal high water @ 14"					
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-30	

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-231 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +75.3			Final Test Pit Depth (ft.): 15 Date Start - Finish: 3/11/2024 - 3/11/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab. Time		
	3/11/24		7.5						
	3/11/24		11						
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1	2	0-6	Black (10YR, 2/1) silt loam, 5% gravel, weak medium crumb, moist, sticky, clear smooth boundary, common medium roots			1		
2			6-32	Yellowish red (5YR, 4/6) loamy sand, moderate medium crumb, moist, friable, clear wavy boundary			2		
3	S2, T1	3		Dark reddish brown (5YR, 3/3) clay, 15% gravel, strong medium subangular blocky, moist, friable, diffuse smooth boundary, few coarse prominent pink (5YR 8/3) mottles encountered throughout layer			3		
4			32-96				4		
5							5		
6							6		
7							7		
8							8		
9							9		
10	S3	10		Reddish brown (5YR, 5/4) sandy loam, 5% gravel, strong coarse subangular blocky, wet, cemented, common medium distinct pinkish gray (5YR, 6/2) mottles encountered throughout layer			10		
11							11		
12							12		
13							13		
14							14		
15							15		
16				End of exploration at 15 feet. Moderate groundwater seepage encountered @ 7.5' Rapid groundwater seepage encountered @ 11' Estimated seasonal high water @ 32"					
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-31	

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-232 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +75.0			Final Test Pit Depth (ft.): 15 Date Start - Finish: 3/7/2024 - 3/7/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				3/7/24		15			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	2	0-6	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, loose, clear smooth boundary, common fine roots			1		
2			6-48	Dark yellowish brown (10YR, 4/6) sandy clay loam, 15% gravel, weak medium crumb, moist, sticky, clear wavy boundary, few medium roots					
3	S2, T2	7	48-180	Brownish yellow (10YR, 6/8) loamy sand, 5% gravel, moderate medium crumb, moist, firm, common coarse prominent light gray (10YR, 7/2) mottles encountered throughout layer			6		
4									
5									
6	S3	12	48-180	End of exploration at 15 feet. Rapid groundwater seepage encountered @ 6.5' Unable to advance due to groundwater infiltration Estimated seasonal high water @ 48"			10		
7									
8									
9									
10	REMARKS								
11									
12									
13									
14									
15	REMARKS								
16									
17									
18									
19									
20									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-32	

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-233 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +75.0			Final Test Pit Depth (ft.): 12 Date Start - Finish: 3/7/2024 - 3/7/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab. Time		
	3/7/24		5.2						
	3/7/24		10						
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	2	0-6	Topsoil - Dark yellowish brown (10YR, 4/4) sil loam, weak fine crumb, moist, loose, clear smooth boundary, common fine roots			1		
2			6-42	Yellowish brown (10YR, 5/6) sandy clay, 5% gravel, moderate medium subangular blocky, moist, firm, clear irregular boundary, common coarse prominent (10YR, 7/2) mottles encountered from 36 inches to 42 inches					
3	S2	5	42-72	Dark yellowish brown (10YR, 4/6) loamy sand, 25% gravel, weak medium granular, moist, loose, clear wavy boundary			5		
4									
5									
6	S3, T2	7	72-144	Very pale brown (10YR, 7/3) loamy sand, moderate medium crumb, wet, friable			6		
7									
8									
9									
10				End of exploration at 12 feet. Rapid groundwater seepage encountered @ 5.2' and 10' Unable to advance due to rapid groundwater infiltration Estimated seasonal high water @ 36"			10		
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-33	

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists				Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-234 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja		
Logged By: Chris Fulton Contractor: Neary Operator: Joey				Test Pit Location: See Plan Ground Surface Elev. (ft.): +71.9			Final Test Pit Depth (ft.): 12 Date Start - Finish: 3/8/2024 - 3/8/2024		
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				3/8/24		6			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	2	0-12	Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, clear smooth boundary, common medium roots			1	1	
2			12-32	Yellowish brown (10YR, 5/6) clay, 15% gravel, moderate medium subangular blocky, moist, friable, clear wavy boundary, few fine roots					
3	S2, T2	5	32-132	Brownish yellow (10YR, 6/6) loamy sand, weak fine crumb, moist, firm, diffuse smooth boundary, common coarse distinct light gray (10YR, 7/2) mottles encountered from 42 inches to 132 inches			3	3	
4									
5									
6									
7			132-144			Brownish yellow (10YR, 6/8) sandstone, wet - refusal @ 12'			11
12									
13				End of exploration at 12 feet. Moderate groundwater seepage encountered @ 6' Estimated seasonal high water @ 42"					
14									
15									
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-34	

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-235 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +72.2			Final Test Pit Depth (ft.): 15 Date Start - Finish: 3/8/2024 - 3/8/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab. Time		
	3/8/24		8						
	3/8/24		11						
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	1.5	0-6	Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, sticky, clear smooth boundary, common fine roots			1		
2			6-36	Brown (10YR, 4/3) clay, 15% gravel, weak medium crumb, moist, plastic, clear wavy boundary			2		
3	S2, T2	5		Brownish yellow (10YR, 6/8) loamy sand, weak fine crumb, moist, friable, common coarse prominent light gray (10YR, 7/2) mottles encountered throughout layer			3		
4							4		
5							5		
6							6		
7							7		
8							8		
9							9		
10							10		
11							11		
12							12		
13							13		
14							14		
15				- unable to advance due to rapid groundwater infiltration			15		
16				End of exploration at 15 feet.					
17				Moderate groundwater seepage encountered @ 8'					
18				Rapid groundwater seepage encountered @ 11'					
19				Estimated seasonal high water @ 36"					
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-35	

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists				Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-236 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja		
Logged By: Chris Fulton Contractor: Neary Operator: Joey				Test Pit Location: See Plan Ground Surface Elev. (ft.): +71.1			Final Test Pit Depth (ft.): 10 Date Start - Finish: 3/8/2024 - 3/8/2024		
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab. Time		
				3/8/24		7.5			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	2	0-8	Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, loose, clear smooth boundary, common medium roots			1		
2			8-36	Dark yellowish brown (10YR, 4/4) clay, 15% gravel, weak medium subangular blocky, moist, plastic, gradual wavy boundary, common coarse prominent light gray (10YR, 7/2) mottles encountered from 26 inches to 36 inches					
3	S2, T2	5	36-72	Brownish yellow (10YR, 6/8) loamy sand, weak fine crumb, moist, friable, clear wavy boundary, few fine faint light gray (10YR, 7/2) mottles encountered throughout layer			5		
4			72-96	Reddish brown (5YR, 4/3) clay, 5% gravel, weak medium subangular blocky, moist, friable, diffuse smooth boundary, common coarse prominent pinkish gray (5YR, 7/2) mottles encountered throughout layer					
5			96-110	Reddish brown (5YR, 4/3) sandstone, 15% silt loam, wet					
6				- refusal @ 10'			6		
7				End of exploration at 10 feet. Rapid groundwater seepage encountered @ 7.5' Estimated seasonal high water @ 26"			7		
8							8		
9							9		
10							10		
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.									Plate No.: 3-36

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-237 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +69.0			Final Test Pit Depth (ft.): 10 Date Start - Finish: 3/8/2024 - 3/8/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				3/8/24		7			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	2	0-8	Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, clear smooth boundary, common fine roots			1		
2			8-36	Yellowish brown (10YR, 5/6) clay, 5% gravel, weak medium subangular blocky, moist, plastic, clear smooth boundary, few fine roots, many coarse prominent white (10YR, 8/1) mottles encountered from 14 inches to 36 inches			2		
3	S2, T2	5	36-96	Reddish brown (5YR, 4/3) clay, 15% gravel, moderate medium subangular blocky, moist, plastic, diffuse smooth boundary, common coarse prominent pinkish gray (5YR, 7/2) mottles encountered throughout layer			3		
4							4		
5							5		
6									6
7							7		
8							8		
9							9		
10				Reddish brown (5YR, 4/3) siltstone, 15% silt loam, wet - refusal @ 10'			10		
11				End of exploration at 10 feet. Slight groundwater seepage encountered @ 7' Estimated seasonal high water @ 14"					
12									
13									
14									
15									
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-37	

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-238 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +68.5			Final Test Pit Depth (ft.): 8.5 Date Start - Finish: 3/8/2024 - 3/8/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				3/8/24		11			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	1.5	0-8	Dark yellowish brown (10YR, 4/3) silt loam, weak fine crumb, moist, friable, clear smooth boundary, common fine roots			1		
2			8-24	Yellowish brown (10YR, 5/6) clay, 5% gravel, moderate medium subangular blocky, moist, friable, clear smooth boundary, few fine roots, common medium distinct (10YR, 7/2) mottles encountered from 15 inches to 24 inches			2		
3	S2	4		Reddish brown (5YR, 4/3) siltstone, 30% silt loam, moist, few coarse prominent pinkish gray (5YR, 7/2) mottles encountered throughout layer			3		
4			24-102				4		
5							5		
6							6		
7							7		
8							8		
9				- refusal @ 8.5'					
10				End of exploration at 8.5 feet. Rapid groundwater seepage encountered @ 7.5' Estimated seasonal high water @ 15"					
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-38	

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-239 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +57.5			Final Test Pit Depth (ft.): 11 Date Start - Finish: 3/8/2024 - 3/8/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				3/8/24		7.5			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	2	0-12	Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, gradual smooth boundary, common medium roots			1	1	
2			12-48	Brownish yellow (10YR, 6/8) clay, 5% gravel, strong medium subangular blocky, moist, firm, clear wavy boundary, few fine roots, many coarse prominent white (10YR, 8/1) mottles encountered from 14 inches to 48 inches					
3			48-96	Yellowish brown (10YR, 5/6) loamy sand, 5% gravel, weak fine crumb, moist, friable, diffuse smooth boundary					
4	S2, T2	7	96-132	Yellowish brown (10YR, 5/6) sandstone, 5% loamy sand, wet - refusal @ 11'			11	11	
5									
6									
7									
8									
9									
10									
11									
12				End of exploration at 11 feet. Rapid groundwater seepage encountered @ 7.5' Estimated seasonal high water @ 14"					
13									
14									
15									
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-39	

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists				Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-240 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja		
Logged By: Chris Fulton Contractor: Neary Operator: Joey				Test Pit Location: See Plan Ground Surface Elev. (ft.): +66.9			Final Test Pit Depth (ft.): 10 Date Start - Finish: 3/8/2024 - 3/8/2024		
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				3/8/24		6			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	2	0-8	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, gradual smooth boundary, common medium roots			1		
2			8-36	Brownish yellow (10YR, 6/8) sandy clay loam, 15% gravel, moderate medium subangular blocky, moist, friable, clear wavy boundary, many coarse prominent light gray (10YR, 7/2) mottles encountered from 16 inches to 36 inches			2		
3	S2, T2	5	36-108	Brownish yellow (10YR, 6/8) loamy fine sand, weak fine crumb, moist, firm, diffuse smooth boundary, many coarse prominent light gray (10YR, 7/2) mottles encountered throughout layer			3		
4							4		
5							5		17.8
6							6		
7							7		
8					8				
9					9				
10					10				
11				Very pale brown (10YR, 8/3) sandstone, 5% loamy sand, wet - refusal @ 10'					
12				End of exploration at 10 feet. Rapid groundwater seepage encountered @ 6' Estimated seasonal high water @ 16"					
13									
14									
15									
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-40	

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-241 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +69.5			Final Test Pit Depth (ft.): 12 Date Start - Finish: 3/8/2024 - 3/8/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
	3/8/24		7.5						
	3/8/24		10.5						
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	3	0-6	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, clear smooth boundary, common fine roots			1		
2				Reddish brown (5YR, 4/3) clay, 5% gravel, strong coarse crumb, moist, firm, diffuse smooth boundary, common coarse prominent pinkish gray (10YR, 7/2) mottles encountered from 32 inches to 84 inches			2		
3			6-84				3		
4	S2	9		Reddish brown (5YR, 4/3) siltstone with 15% silt loam, wet, few coarse prominent pinkish gray (5YR, 7/2) mottles encountered throughout layer			4		
5			84-144				5		
6				- refusal @ 12'			6		
7				End of exploration at 12 feet.			7		
8				Moderate groundwater seepage encountered @ 7.5'			8		
9				Rapid groundwater seepage encountered @ 10.5'			9		
10				Estimated seasonal high water @ 32"			10		
11							11		
12							12		
13									
14									
15									
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-41	

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-242 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +66.7			Final Test Pit Depth (ft.): 13 Date Start - Finish: 3/8/2024 - 3/8/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				3/8/24		4			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	2	0-10	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, clear smooth boundary, common fine roots			1	1	
2			10-36	Brownish yellow (10YR, 6/8) sandy clay loam, 15% gravel, strong medium subangular blocky, slightly moist, firm, clear wavy boundary, many coarse prominent light gray (10YR, 7/2) mottles encountered from 16 inches to 36 inches					
3			36-102	Brownish yellow (10YR, 6/8) loamy sand, 5% gravel, weak medium crumb, moist, friable, gradual wavy boundary, many coarse prominent light gray (10YR, 7/2) mottles encountered throughout layer					
4	S2, T2	7	9	Reddish brown (10YR, 4/3) siltstone, with 15% silt loam, moist, few coarse prominent pinkish gray (5YR, 7/2) mottles encountered throughout layer			9	9	
10			102-156	- refusal @ 13'					
11					End of exploration at 13 feet. Moderate groundwater seepage encountered @ 4' Estimated seasonal high water @ 16"				
12									
13									
14									
15									
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-42	

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-243 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +66.2			Final Test Pit Depth (ft.): 11 Date Start - Finish: 3/8/2024 - 3/8/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab. Time		
	3/8/24		4						
	3/8/24		6.5						
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1	2	0-8	Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, sticky, gradual smooth boundary, common fine roots			1		
2	S2, T1	3	8-36	Dark yellowish brown (10YR, 4/6) sandy clay loam, 15% gravel, strong coarse subangular blocky, moist, firm, clear wavy boundary, common coarse distinct light gray (10YR, 7/2) mottles encountered from 24 inches to 36 inches			2		
3			36-64	Brownish yellow (10YR, 6/8) clay, 5% gravel, strong coarse subangular blocky, moist, firm, clear wavy boundary, many coarse prominent white (10YR, 8/1) mottles encountered throughout layer			3		
4	S3	8	64-120	Dark reddish gray (5YR, 4/2) clay, 15% gravel, moderate medium subangular blocky, moist, friable, diffuse smooth boundary, few coarse prominent pinkish gray (5YR, 7/2) mottles encountered throughout layer			4		
5			120-132	Dark reddish gray (5YR, 4/2) sandstone, 15% silt loam, wet - refusal @ 11'			5		
6				End of exploration at 11 feet. Slight groundwater seepage encountered @ 4' Moderate groundwater seepage encountered @ 6.5' Estimated seasonal high water @ 24"			6		
7							7		
8							8		
9							9		
10							10		
11							11		
12									
13									
14									
15									
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-43	

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-244 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +81.2			Final Test Pit Depth (ft.): 13 Date Start - Finish: 3/11/2024 - 3/11/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				3/11/24		12			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	3	0-6	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, clear smooth boundary, common fine roots			1	1	
2				Dark yellowish brown (10YR, 4/4) clay, 5% gravel, moderate medium subangular blocky, moist, plastic, clear smooth boundary					
3			6-48	Yellowish red (5YR, 4/6) clay, 15% gravel, strong coarse subangular blocky, slightly moist, firm, diffuse smooth boundary, few coarse prominent light gray (5YR, 7/1) mottles encountered from 54 inches to 108 inches					
4									
5	S2	7	48-108	Dark reddish brown (5YR, 3/2) siltstone, 25% silt loam, moist			3	3	
6									
7									
8									
9			108-156	- refusal @ 13'					
10									
11			108-156	End of exploration at 13 feet. Moderate groundwater seepage encountered @ 12' Estimated seasonal high water @ 54"			5	5	
12									
13									
14									
15									
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-44	

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-245 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +81.9			Final Test Pit Depth (ft.): 13 Date Start - Finish: 3/11/2024 - 3/11/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab. Time		
				3/11/24		12.5			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	3	0-6	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, loose, clear smooth boundary, common fine roots			1		
2				Yellowish brown (10YR, 5/6) clay, moderate medium subangular blocky, moist, plastic, diffuse smooth boundary, few fine roots, many coarse prominent light gray (10YR, 7/1) mottles encountered from 38 inches to 66 inches					
3	S2	7	6-66	Yellowish red (5YR, 4/6) clay, 15% gravel, massive, slightly moist, firm, gradual smooth boundary, common coarse prominent light gray (5YR, 7/1) mottles encountered throughout layer			6		
4									
5									
6	S3, T2	11	66-120	Brownish yellow (10YR, 6/8) loamy sand, weak fine crumb, moist, friable, few coarse prominent light gray (10YR, 7/1) mottles encountered throughout layer			10		
7									
8									
9									
10			120-156	- refusal @ 13'			13		
11									
12									
13									
14				End of exploration at 13 feet. Slight groundwater seepage encountered @ 12.5' Estimated seasonal high water @ 38"					
15									
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-45	

TEST PIT LOG													
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-246 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja							
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +75.5			Final Test Pit Depth (ft.): 15 Date Start - Finish: 3/7/2024 - 3/7/2024							
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M			Groundwater Depth (ft.)										
			Date	Time	Water Depth	Stab.Time							
			3/7/24		10.5								
			3/7/24		13								
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification				Depth (ft)					
1	S1, T1	3	0-6	Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, loose, clear smooth boundary, common fine roots				1					
2			6-60	Dark yellowish brown (10YR, 4/6) clay, moderate medium subangular blocky, moist, plastic, clear irregular boundary				2					
3								3					
4								4					
5								5					
6	S2, T2	6	6-60	Yellowish brown (10YR, 5/6) loamy sand, 5% gravel, moderate medium crumb, moist, firm, common coarse prominent light gray (10YR, 7/2) mottles encountered from 84 inches to 180 inches				6					
7			60-180					7					
8								8					
9								9					
10								10					
11								11					
12								12					
13								13					
14								14					
15				- color change to very pale brown (10YR, 7/3) @ 15'				15					
16				End of exploration at 15 feet. Slight groundwater seepage encountered @ 10.5' Rapid groundwater seepage encountered @ 13' Estimated seasonal high water @ 84"									
17													
18													
19													
20													
REMARKS													
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-46					

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-247 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +71.8			Final Test Pit Depth (ft.): 10 Date Start - Finish: 3/7/2024 - 3/7/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				3/7/24		7.5			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	3	0-6	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, loose, clear smooth boundary, common fine roots			1	1	
2				Brownish yellow (10YR, 6/8) clay, 5% gravel, moderate medium subangular blocky, moist, plastic, clear wavy boundary, common medium distinct light gray (10YR, 7/2) mottles encountered from 30 inches to 48 inches					
3			6-48	Dark yellowish brown (10YR, 4/6) sand, 25% gravel, single grain, loose					
4	- unable to advance due to rapid groundwater infiltration/caving								
5	S2, T2	6	48-120	End of exploration at 10 feet. Rapid groundwater seepage encountered @ 7.5' Estimated seasonal high water @ 30"			10	10	
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-47	

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-248 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +69.6			Final Test Pit Depth (ft.): 9 Date Start - Finish: 3/7/2024 - 3/7/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				3/7/24		4			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	3	0-8	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, loose, clear smooth boundary, common fine roots			1		
2				Brownish yellow (10YR, 6/8) silt loam, moderate medium subangular blocky, moist, firm, gradual wavy boundary, many coarse prominent white (10YR, 8/1) mottles encountered from 14 inches to 48 inches					
3			8-48	Dark yellowish brown (10YR, 4/6) sand, 15% gravel, weak medium crumb, wet, friable					
4	- unable to advance deeper than 9' due to groundwater infiltration and sidewalls caving								
5				S2, T2	6	48-108			
6	End of exploration at 9 feet.								
7	Moderate groundwater seepage encountered @ 4'								
8	Estimated seasonal high water @ 14"								
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-48	

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-249 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +65.6			Final Test Pit Depth (ft.): 15 Date Start - Finish: 3/7/2024 - 3/7/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				3/7/24		3.5			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	2	0-8	Topsoil - Dark yellowish brown (10YR, 4/6) silt loam, weak fine crumb, moist, loose, clear smooth boundary, common fine roots			1	1	
2			8-32	Brownish yellow (10YR, 6/8) clay, strong medium subangular blocky, moist, firm, clear wavy boundary, many coarse prominent light gray (10YR, 7/2) mottles encountered from 13 inches to 32 inches					
3			32-72	Dark yellowish brown (10YR, 4/6) sandy loam, 15% gravel, weak medium granular, wet, loose, gradual smooth boundary					
4	S2	5					5	5	
5									
6	S3	8					6	6	
7									
8			72-120	Reddish brown (5YR, 4/3) silt loam, massive, moist, plastic, diffuse smooth boundary					
9							7	7	
10									
11									
12									
13			120-180	Reddish brown (5YR, 4/3) siltstone, 15% silt loam, wet			8	8	
14									
15				- unable to advance due to groundwater infiltration					
16				End of exploration at 15 feet. Moderate groundwater seepage encountered @ 3.5' Estimated seasonal high water @ 13"			9	9	
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-49	

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-250 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +69.8			Final Test Pit Depth (ft.): 11 Date Start - Finish: 3/7/2024 - 3/7/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab. Time		
				3/7/24		8			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	3	0-8	Dark yellowish brown (10YR, 4/4) clay, weak fine crumb, moist, sticky, gradual smooth boundary, common fine roots			1	20.0	
2			8-42	Brownish yellow (10YR, 6/8) silt loam, strong medium subangular blocky, moist, friable, gradual smooth boundary, many coarse prominent white (10YR, 8/1) mottles encountered from 17 inches to 42 inches					
3	S2, T2	5	42-84	Brownish yellow (10YR, 6/8) loamy sand, weak medium crumb, moist, firm, common coarse prominent light gray (10YR, 7/2) mottles encountered throughout layer			5	20.0	
4			84-132	Dark reddish brown (5YR, 3/2) sandstone, 45% sandy loam, 25% gravel, wet					
5	S3	7		- unable to advance past 11' due to groundwater infiltration			10	11	
6									
7				End of exploration at 11 feet. Rapid groundwater seepage encountered @ 8' Estimated seasonal high water @ 17"					
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-50	

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-251 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +70.6			Final Test Pit Depth (ft.): 10 Date Start - Finish: 3/7/2024 - 3/7/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				3/7/24		5.5			
				3/7/24		9			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	3	0-6	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, loose, clear smooth boundary, common fine roots			1		
2				Brownish yellow (10YR, 6/8) sandy clay loam, moderate medium crumb, moist, plastic, clear irregular boundary, many coarse prominent white (10YR, 8/1) mottles encountered from 19 inches to 72 inches					
3	S2	7	6-72	Dark reddish brown (5YR, 3/2) sandstone, 25% silt loam, moist, few coarse prominent white (5YR, 8/1) mottles encountered throughout layer			7		
4				- refusal @ 10'					
5				End of exploration at 10 feet. Rapid groundwater seepage encountered @ 5.5' and 9' Estimated seasonal high water @ 19"			8		
6							9		
7							10		
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-51	

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists				Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-252 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja		
Logged By: Chris Fulton Contractor: Neary Operator: Joey				Test Pit Location: See Plan Ground Surface Elev. (ft.): +79.3			Final Test Pit Depth (ft.): 10 Date Start - Finish: 3/1/2024 - 3/1/2024		
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				3/1/24		6.5			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	2	0-6	Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, clear smooth boundary, common fine roots			1	1	
2			6-48	Reddish brown (5YR, 4/4) silt loam, 15% gravel, strong medium subangular blocky, moist, friable, gradual smooth boundary, common medium prominent pinkish gray (5YR, 7/2) mottles encountered from 24 inches to 48 inches					
3	S2	6	48-120	Reddish brown (5YR, 4/3) shale, 25% silt loam, moist, few coarse prominent pinkish gray (5YR, 7/2) mottles encountered throughout layer			6	6	
4									
5									
6				- refusal @ 10'			10	10	
7									
8									
9									
10									
11				End of exploration at 10 feet. Slight groundwater seepage encountered @ 6.5' Estimated seasonal high water @ 24"					
12									
13									
14									
15									
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.									Plate No.: 3-52

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-253 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +78.6			Final Test Pit Depth (ft.): 14 Date Start - Finish: 3/1/2024 - 3/1/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab. Time		
				3/1/24		9			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1	0.5	0-6	Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, loose, gradual smooth boundary, common fine roots			1		
2	S2, T1	2	6-30	Dark yellowish brown (10YR, 4/4) clay, 5% gravel, moderate medium subangular blocky, moist, friable, gradual smooth boundary, few fine roots			2		
3			30-90	Brownish yellow (10YR, 6/8) loamy sand, moderate medium granular, moist, firm, abrupt wavy boundary, many coarse prominent light gray (10YR, 7/2) mottles encountered from 36 inches to 90 inches			3		
4							4		
5							5		
6	S3, T2	6					6		
7							7		
8				Reddish brown (5YR, 4/3) siltstone, 25% silt loam, moist			8		
9							9		
10							10		
11							11		
12							12		
13							13		
14				- refusal @ 14'			14		
15				End of exploration at 14 feet. Moderate groundwater seepage encountered @ 9' Estimated seasonal high water @ 36"					
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-53	

TEST PIT LOG										
 GZA GeoEnvironmental, Inc. Engineers and Scientists				Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-254 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey				Test Pit Location: See Plan Ground Surface Elev. (ft.): +81.7			Final Test Pit Depth (ft.): 6.5 Date Start - Finish: 2/29/2024 - 2/29/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)						
				Date	Time	Water Depth		Stab.Time		
				2/29/24		NE				
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification				Depth (ft)	Water Content (%)	Remark
1	S1, T1	3	0-6	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, loose, clear smooth boundary, common fine roots				1	1	
2			6-42	Yellowish brown (10YR, 5/6) silt loam, 5% gravel, moderate medium subangular blocky, moist, friable, clear wavy boundary, common coarse prominent light gray (10YR, 7/2) mottles encountered from 28 inches to 42 inches						
3			42-78	Brownish yellow (10YR, 6/8) sandstone, 5% sandy loam, moist						
4				- refusal @ 6.5'						
5				End of exploration at 6.5 feet. Groundwater seepage not encountered Estimated seasonal high water @ 28"						
6										
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
REMARKS										
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.										Plate No.: 3-54

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-255 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +81.2			Final Test Pit Depth (ft.): 9 Date Start - Finish: 3/4/2024 - 3/4/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab. Time		
				3/4/24		7.5			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	3	0-6	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, gradual smooth boundary, common fine roots			1	20.58	
2				Dark yellowish brown (10YR, 4/4) clay, 5% gravel, weak medium subangular blocky, moist, plastic, clear wavy boundary, common medium distinct light gray (10YR, 7/2) mottles encountered from 22 inches to 48 inches					
3			6-48	Reddish brown (5YR, 4/3) sandstone, 25% loamy sand, moist					
4	- refusal @ 9'								
5	S2	7	48-108	End of exploration at 9 feet. Moderate groundwater seepage encountered @ 7.5' Estimated seasonal high water @ 22"			9		
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-55	

TEST PIT LOG											
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-256 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja					
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +81.9			Final Test Pit Depth (ft.): 13 Date Start - Finish: 3/4/2024 - 3/4/2024					
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)							
				Date	Time	Water Depth	Stab.Time				
				3/4/24		12					
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark		
1	S1, T1	3	0-6	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, gradual smooth boundary, common fine roots			1				
2				Brownish yellow (10YR, 6/8) silt loam, 5% gravel, moderate medium subangular blocky, moist, firm, clear smooth boundary							
3	S2, T2	6	6-60	Reddish brown (5YR, 4/3) loam, 25% gravel, moderate medium crumb, moist, friable, diffuse smooth boundary, few coarse prominent pinkish gray (5YR, 7/2) mottles encountered from 78 inches to 96 inches			5				
4											
5											
6											
7											
8			96-156	96-156	60-96	Reddish brown (5YR, 4/3) siltstone, 25% silt loam, moist			6		
9											
10											
11											
12											
13				- refusal @ 13'			13				
14				End of exploration at 13 feet. Moderate groundwater seepage encountered @ 12' Estimated seasonal high water @ 78"							
15											
16											
17											
18											
19											
20											
REMARKS											
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-56			

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists				Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-257 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja		
Logged By: Chris Fulton Contractor: Neary Operator: Joey				Test Pit Location: See Plan Ground Surface Elev. (ft.): +79.9			Final Test Pit Depth (ft.): 10.5 Date Start - Finish: 3/11/2024 - 3/11/2024		
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				3/11/24		NE			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	3	0-6	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, loose, clear smooth boundary, common fine roots			1	1	
2				Yellowish brown (10YR, 5/6) clay, moderate medium subangular blocky, moist, plastic, diffuse smooth boundary					
3			6-60						
4									
5									
6	S2	8	60-126	Reddish brown (10YR, 4/3) shale, 45% silt loam, moist, few coarse prominent pinkish gray (10YR, 7/2) mottles encountered from 96 inches to 126 inches			6	6	
7									
8									
9									
10			- refusal @ 10.5'						
11				End of exploration at 10.5 feet. Groundwater seepage not encountered Estimated seasonal high water @ 96"					
12									
13									
14									
15									
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.									Plate No.: 3-57

TEST PIT LOG												
 GZA GeoEnvironmental, Inc. Engineers and Scientists				Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-258 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja					
Logged By: Chris Fulton Contractor: Neary Operator: Joey				Test Pit Location: See Plan Ground Surface Elev. (ft.): +80.0			Final Test Pit Depth (ft.): 10 Date Start - Finish: 3/4/2024 - 3/4/2024					
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)								
				Date	Time	Water Depth	Stab. Time					
				3/4/24		9.5						
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark			
1	S1, T1	2	0-6	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, gradual smooth boundary, common fine roots			1					
2			6-38	Dark yellowish brown (10YR, 4/4) clay, 5% gravel, moderate medium subangular blocky, moist, plastic, clear wavy boundary			2					
3	S2, T2	5	38-96	Brownish yellow (10YR, 6/8) loamy sand, 5% gravel, weak fine crumb, moist, firm, clear wavy boundary, many coarse prominent light gray (10YR, 7/2) mottles encountered from 40 inches to 96 inches			3					
4							4					
5							5					
6					96-120	Reddish brown (5YR, 4/3) sandstone, 15% loamy sand, moist - refusal @ 10'			6			
7					7							
8				End of exploration at 10 feet. Rapid groundwater seepage encountered @ 9.5' Estimated seasonal high water @ 40"			8					
9							9					
10							10					
11												
12												
13												
14												
15												
16												
17												
18												
19												
20												
REMARKS												
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.									Plate No.: 3-58			

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-259 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +79.4			Final Test Pit Depth (ft.): 11 Date Start - Finish: 3/4/2024 - 3/4/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				3/4/24		10			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	3	0-6	Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, gradual smooth boundary, common fine roots			1		
2			6-72	Reddish brown (5YR, 4/3) silt loam, 15% gravel, moderate medium crumb, moist, friable, diffuse smooth boundary, few fine faint pinkish gray (5YR, 7/2) mottles encountered from 24 inches to 72 inches					
3	S2	8	72-132	Reddish brown (5YR, 4/3) siltstone, 45% silt loam, moist			7		
4									
5									
6							8		
7							9		
8							10		
9							11		
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-59	

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists				Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-260 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja		
Logged By: Chris Fulton Contractor: Neary Operator: Joey				Test Pit Location: See Plan Ground Surface Elev. (ft.): +79.9			Final Test Pit Depth (ft.): 11 Date Start - Finish: 3/4/2024 - 3/4/2024		
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				3/4/24		10.5			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	2	0-6	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, gradual smooth boundary, common fine roots			1	1	
2			6-28	Dark yellowish brown (10YR, 4/4) clay, 5% gravel, weak medium subangular blocky, moist, plastic, clear wavy boundary					
3				Brownish yellow (10YR, 6/8) sandy loam, weak fine crumb, moist, friable, diffuse smooth boundary, many coarse prominent light gray (10YR, 7/2) mottles encountered from 40 inches to 120 inches					
4							4	4	
5							5	5	
6	S2, T2	6	28-120				6	6	
7							7	7	
8							8	8	
9	S3	9					9	9	
10							10	10	
11			120-132	Brownish yellow (10YR, 6/8) sandstone, 25% loamy sand, moist - refusal @ 11'			11	11	
12				End of exploration at 11 feet. Moderate groundwater seepage encountered @ 10.5' Estimated seasonal high water @ 40"					
13									
14									
15									
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.									Plate No.: 3-60

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-261 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +79.3			Final Test Pit Depth (ft.): 15 Date Start - Finish: 3/4/2024 - 3/4/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab. Time		
				3/4/24		14.5			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	2	0-6	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, 5% gravel, weak fine crumb, moist, plastic, gradual wavy boundary, common fine roots			1	1	
2			6-48	Dark yellowish brown (10YR, 4/4) clay, 5% gravel, moderate medium subangular blocky, moist, plastic, clear wavy boundary					
3	S2, T2	6	48-180	Brownish yellow (10YR, 6/8) and very pale brown (10YR, 8/3) loamy sand, weak fine crumb, moist, friable, common coarse prominent light gray (10YR, 7/2) mottles encountered from 58 inches to 180 inches			6	6	
4				- cemented (dense)					
5									
6	S3	10	48-180	End of exploration at 15 feet. Slight groundwater seepage encountered @ 14.5' Estimated seasonal high water @ 58"			10	10	
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-61	

TEST PIT LOG												
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-262 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja						
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +79.2			Final Test Pit Depth (ft.): 15 Date Start - Finish: 3/4/2024 - 3/4/2024						
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)								
				Date	Time	Water Depth	Stab. Time					
				3/4/24		13						
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark			
1	S1, T1	2	0-6	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, gradual smooth boundary, common fine roots			1	16.2				
2			6-36	Yellowish brown (10YR, 5/6) clay, 5% gravel, moderate medium subangular blocky, moist, plastic, clear wavy boundary								
3	S2, T2	5	36-72	Brownish yellow (10YR, 5/6) and very pale brown (10YR, 8/3) fine sandy loam, weak fine crumb, moist, friable, clear wavy boundary, few fine faint light gray (10YR, 7/2) mottles encountered throughout layer			5	16.2				
4												
5												
6	S3, T3	7	72-96	Dark reddish brown (2.5YR, 3/3) silt loam, 15% gravel, moderate medium subangular blocky, moist, friable, diffuse smooth boundary			7	16.2				
7												
8			96-180	Dark reddish brown (2.5YR, 3/3) siltstone, 25% silt loam, moist			8	16.2				
9												
10												
11												
12												
13												
14												
15				- refusal @ 15'						15	16.2	
16				End of exploration at 15 feet. Rapid groundwater seepage encountered @ 13' Estimated seasonal high water @ 36"								
17												
18												
19												
20												
REMARKS												
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-62				

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-263 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +77.4			Final Test Pit Depth (ft.): 15 Date Start - Finish: 3/4/2024 - 3/4/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				3/4/24		13			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	3	0-6	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, diffuse smooth boundary, common fine roots			1		
2				Dark yellowish brown (10YR, 4/4) clay, 5% gravel, moderate medium subangular blocky, moist, friable, clear wavy boundary			2		
3			6-108				3		
4	S2, T2	7					4		
5							5		
6							6		
7							7		
8							8		
9							9		
10	S3	11	108-180	Very pale brown (10YR, 7/6) loamy sand, weak medium granular, slightly moist, friable, common coarse prominent light gray (10YR, 7/2) mottles encountered throughout layer			10		
11							11		
12							12		
13							13		
14							14		
15							15		
16				End of exploration at 15 feet. Slight groundwater seepage encountered @ 13' Estimated seasonal high water @ 108"					
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-63	

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists				Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-264 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja		
Logged By: Chris Fulton Contractor: Neary Operator: Joey				Test Pit Location: See Plan Ground Surface Elev. (ft.): +76.5			Final Test Pit Depth (ft.): 12 Date Start - Finish: 3/6/2024 - 3/6/2024		
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				3/6/24		11.5			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	0.5	0-6	Topsoil - Dark brown (7.5YR, 3/2) silt loam, weak medium crumb, moist, loose, clear wavy boundary, common medium roots			1	1	
2			6-16	Dark yellowish brown (10YR, 4/4) clay, moderate medium subangular blocky, moist, plastic, clear wavy boundary					
3	S2, T2	3	16-54	Dark reddish brown (5YR, 3/3) silt loam, 25% gravel, strong medium subangular blocky, moist, friable, clear smooth boundary			2	2	
4									
5		54-120	Yellowish brown (10YR, 6/8) and very pale brown (10YR, 8/3) loamy sand, moderate medium crumb, moist, friable, clear smooth boundary, common coarse prominent light gray (10YR, 7/2) mottles encountered throughout layer			3	3		
6									
7		120-144				4	4		
8	S3, T3			Very pale brown (10YR, 8/3) sandstone, 5% sandy loam, moist - refusal @ 12'					
9						5	5		
10									
11						6	6		
12									
13			End of exploration at 12 feet. Moderate groundwater seepage encountered @ 11.5' Estimated seasonal high water @ 54"			7	7		
14									
15						8	8		
16									
17						9	9		
18									
19						10	10		
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.									Plate No.: 3-64

TEST PIT LOG										
 GZA GeoEnvironmental, Inc. Engineers and Scientists				Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-265 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey				Test Pit Location: See Plan Ground Surface Elev. (ft.): +74.8			Final Test Pit Depth (ft.): 14 Date Start - Finish: 3/6/2024 - 3/6/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)						
				Date	Time	Water Depth		Stab. Time		
				3/6/24		NE				
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification				Depth (ft)	Water Content (%)	Remark
1	S1, T1	2	0-6	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, gradual smooth boundary, common fine roots				1		
2			6-48	Dark yellowish brown (10YR, 4/4) clay, 5% gravel, moderate medium subangular blocky, moist, friable, clear wavy boundary				2		
3	S2, T2	5	48-80	Brownish yellow (10YR, 6/8) and very pale brown (10YR, 7/3) loamy sand, moderate medium crumb, moist, friable, clear wavy boundary, common coarse prominent light gray (10YR, 7/2) mottles encountered between 64 inches and 80 inches				3		
4			80-108	Dark reddish brown (5YR, 3/2) clay, massive, moist, plastic, gradual smooth boundary				4		
5			108-168	Dark reddish brown (5YR, 3/4) siltstone, 5% silt loam, wet, friable				5		
6						End of exploration at 14 feet. Groundwater seepage not encountered				6
7								7		
8								8		
9								9		
10	S3	10						10		
11								11		
12								12		
13								13		
14								14		
15										
16										
17										
18										
19										
20										
REMARKS										
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.										Plate No.: 3-65

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-266 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +75.6			Final Test Pit Depth (ft.): 14 Date Start - Finish: 3/7/2024 - 3/7/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				3/7/24		11			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	3	0-6	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, clear smooth boundary, common fine roots			1		
2				Yellowish brown (10YR, 5/4) clay, moderate medium subangular blocky, moist, plastic, clear wavy boundary					
3	S2, T2	6	6-60	Reddish brown (5YR, 5/3) fine sandy loam, weak medium subangular blocky, moist, firm, clear smooth boundary			6		
4									
5									
6	S3	9	60-90	Dark reddish brown (5YR, 3/4) clay, 5% gravel, moderate medium crumb, slightly moist, plastic, diffuse smooth boundary, few coarse prominent pinkish gray (5YR, 7/4) mottles encountered throughout layer			7		
7									
8									
9			90-120	Dark reddish brown (5YR, 3/4) shale, 5% silt loam, moist, few coarse prominent pinkish gray (5YR, 7/2) mottles encountered throughout layer			8		
10									
11									
12			120-168	Dark reddish brown (5YR, 3/4) shale, 5% silt loam, moist, few coarse prominent pinkish gray (5YR, 7/2) mottles encountered throughout layer			9		
13									
14				- refusal @ 14'					
15	End of exploration at 14 feet. Slight groundwater seepage encountered @ 11' Estimated seasonal high water @ 90"								
16				11					
17									
18				12					
19									
20				13					
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-66	

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists				Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-267 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja		
Logged By: Chris Fulton Contractor: Neary Operator: Joey				Test Pit Location: See Plan Ground Surface Elev. (ft.): +72.5			Final Test Pit Depth (ft.): 10 Date Start - Finish: 3/7/2024 - 3/7/2024		
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				3/7/24		5.8			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	3	0-6	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, clear smooth boundary, common fine roots			1		
2			6-54	Brownish yellow (10YR, 6/8) silt loam, moderate medium crumb, moist, friable, clear wavy boundary, many coarse prominent light gray (10YR, 7/2) mottles encountered from 12 inches to 54 inches					
3	S2, T2	5	54-78	Brownish yellow (10YR, 6/8) loamy sand, 15% gravel, weak medium crumb, moist, friable, abrupt wavy boundary, few fine faint very pale brown (10YR, 8/3) mottles encountered throughout layer			5		
4			78-120	Brownish yellow (10YR, 6/8) sandstone, 5% loamy sand, wet					
5				- refusal @ 10'					
6				End of exploration at 10 feet. Rapid groundwater seepage encountered @ 5.8' Estimated seasonal high water @ 12"			6		
7							7		
8							8		
9							9		
10							10		
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.									Plate No.: 3-67

TEST PIT LOG										
 GZA GeoEnvironmental, Inc. Engineers and Scientists				Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-268 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey				Test Pit Location: See Plan Ground Surface Elev. (ft.): +78.1			Final Test Pit Depth (ft.): 11.5 Date Start - Finish: 3/6/2024 - 3/6/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)						
				Date	Time	Water Depth		Stab. Time		
				3/6/24		NE				
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification				Depth (ft)	Water Content (%)	Remark
1	S1, T1	2	0-6	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, gradual smooth boundary, common fine roots				1	1	
2			6-48	Dark yellowish brown (10YR, 4/4) sandy clay, 5% gravel, moderate medium subangular blocky, moist, friable, clear wavy boundary						
3	S2, T2	5	48-72	Brownish yellow (10YR, 6/8) and very pale brown (10YR, 8/3) fine sandy loam, moderate medium crumb, moist, friable, gradual smooth boundary, few fine faint light gray (10YR, 7/1) mottles				5	5	
4			72-132	Dark reddish brown (5YR, 3/2) silt loam, 25% gravel, moderate medium subangular blocky, moist, friable, diffuse smooth boundary						
5			132-128	Dark reddish brown (5YR, 3/2) siltstone, 15% silt loam, moist - refusal @ 11.5'						
6				End of exploration at 11.5 feet. Groundwater seepage not encountered Estimated seasonal high water @ 48"						
7										
8										
9										
10										
11										
12										
13										
14										
15										
16										
17										
18										
19										
20										
REMARKS										
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.										Plate No.: 3-68

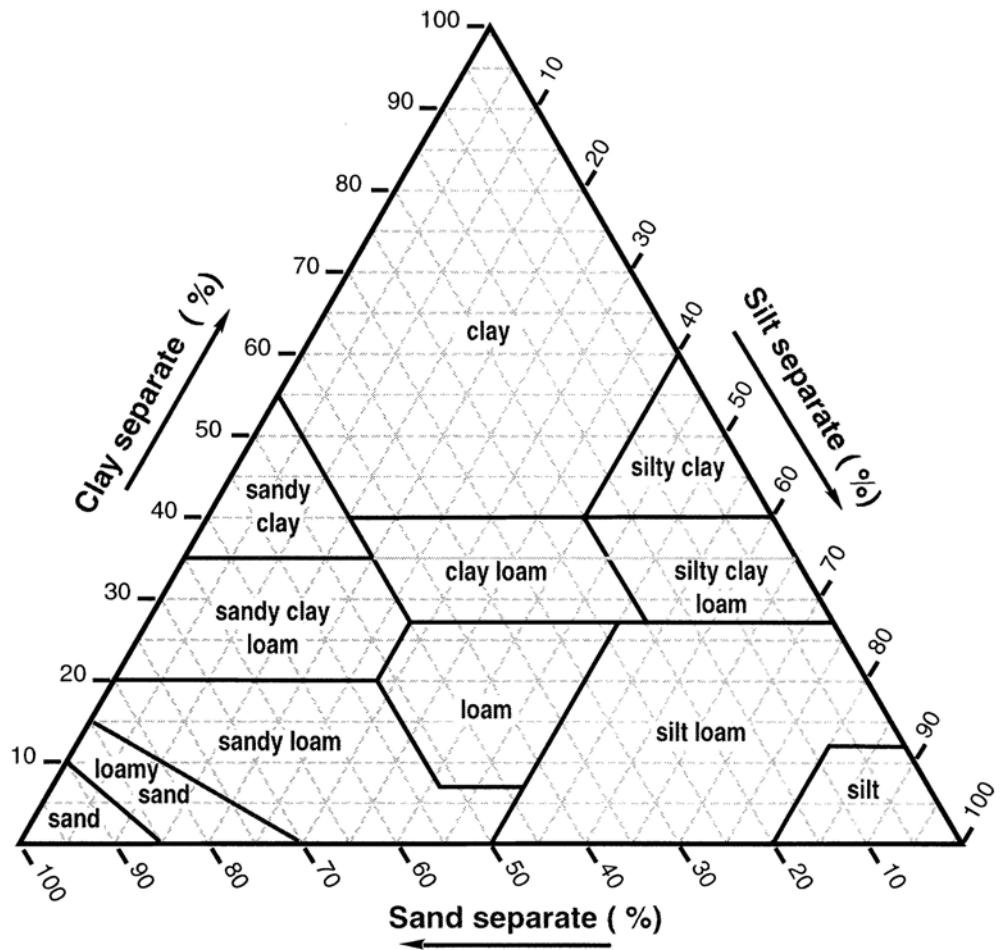
TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-269 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +80.3			Final Test Pit Depth (ft.): 9 Date Start - Finish: 3/6/2024 - 3/6/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab. Time		
				3/6/224		NE			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	3	0-6	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, weak fine crumb, moist, friable, gradual smooth boundary, common fine roots			1		
2				Dark yellowish brown (10YR, 4/4) clay, 5% gravel, moderate medium subangular blocky, moist, plastic, gradual smooth boundary					
3			6-48	Reddish brown (5YR, 4/3) silt loam, 30% gravel, moderate medium subangular blocky, moist, friable, gradual wavy boundary					
4									
5	S2, T2	6	48-96	Reddish brown (5YR, 4/3) and very pale brown (10YR, 8/3) sandstone, 5% sandy loam, moist - refusal @ 9'			6		
6									
7									
8			96-108		End of exploration at 9 feet. Groundwater not encountered Estimated seasonal high water >108"				
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-69	

TEST PIT LOG									
 GZA GeoEnvironmental, Inc. Engineers and Scientists			Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-270 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey			Test Pit Location: See Plan Ground Surface Elev. (ft.): +77.3			Final Test Pit Depth (ft.): 3.2 Date Start - Finish: 3/6/2024 - 3/6/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)					
				Date	Time	Water Depth	Stab.Time		
				3/6/224		NE			
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification			Depth (ft)	Water Content (%)	Remark
1	S1, T1	1	0-6	Topsoil - Dark brown (7.5YR, 3/2) sandy loam, weak medium crumb, moist, clear wavy boundary, common fine roots			1		
2			6-24	Dark reddish brown (5YR, 3/2) clay, 25% gravel, moist, abrupt wavy boundary			2		
3			24-38	Very pale brown (10YR, 7/4) sandstone, 5% loamy sand, slightly moist - refusal @ 3.2'			3		
4				End of exploration at 3.2 feet. Groundwater seepage not encountered					
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17									
18									
19									
20									
REMARKS									
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.								Plate No.: 3-70	

TEST PIT LOG										
 GZA GeoEnvironmental, Inc. Engineers and Scientists				Ivy Realty Services, LLC Proposed Fusion at Plainsboro Plainsboro Township, NJ			EXPLORATION NO.: TP-271 SHEET: 1 of 1 PROJECT NO: 26.0092818.01 REVIEWED BY: Cory Karinja			
Logged By: Chris Fulton Contractor: Neary Operator: Joey				Test Pit Location: See Plan Ground Surface Elev. (ft.): +76.8			Final Test Pit Depth (ft.): 12 Date Start - Finish: 3/7/2024 - 3/7/2024			
Type of Excavator: Rubber-Tire Backhoe Excavator Model: Case 580 Super M				Groundwater Depth (ft.)						
				Date	Time	Water Depth		Stab.Time		
				3/7/24		9				
Depth (ft)	Sample No.	Sample Depth (ft.)	Stratum Depth (in.)	Sample Description and Identification				Depth (ft)	Water Content (%)	Remark
1	S1, T1	2	0-8	Topsoil - Dark yellowish brown (10YR, 4/4) silt loam, 5% gravel, weak fine crumb, moist, loose, gradual sm smooth boundary, common medium roots				1	1	
2				Reddish brown (5YR, 4/3) clay, 5% gravel, strong medium subangular blocky, moist, firm, gradual smooth boundary						
3	S2, T2	8	8-72	Reddish brown (5YR, 4/3) silt loam, 30% gravel, moderate medium subangular blocky, moist, friable, diffuse smooth boundary				6	6	
4										
5										
6										
7										
8										
9										
10										
11										
12				Reddish brown (5YR, 4/3) siltstone, 15% silt loam, wet - refusal @ 12'						
13	End of exploration at 12 feet. Moderate groundwater seepage encountered @ 9'									
14										
15										
16										
17										
18										
19										
20										
REMARKS										
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.										Plate No.: 3-71

Texture Triangle:

Fine Earth Texture Classes (—)



USDA SOIL CLASSIFICATION SYSTEM

Summary of Laboratory Tube Permeameter Permeability Test Results
Ivy Realty Services, LLC - Plainsboro Township, New Jersey
26.0092818.01

Test Pit No.	Depth (ft)	Permeability Replicate A (in/hr)	Permeability Replicate B (in/hr)	USDA Visual Soil Classification
TP-201	3	<0.06	<0.06	Clay
TP-202	2	<0.06	<0.06	Clay
TP-202	6	0.69	<0.06	Sandy Loam
TP-202	9	0.43	0.49	Sandy Clay
TP-203	3	<0.06	<0.06	Clay
TP-203	6	0.51	0.51	Sandy Loam
TP-204	3	<0.06	<0.06	Clay
TP-205	3	<0.06	<0.06	Clay
TP-205	7	0.38	0.44	Loamy Sand
TP-206	2	0.52	<0.06	Clay
TP-206	6	<0.06	<0.06	Sandy Clay Loam
TP-207	2	<0.06	<0.06	Clay
TP-207	5	<0.06	<0.06	Sandy Clay
TP-208	3	0.45	<0.06	Clay
TP-208	9	1.3	1.5	Loamy Sand
TP-209	3	<0.06	<0.06	Clay
TP-209	6	2.1	2.3	Sandy Loam
TP-210	3	<0.06	<0.06	Fine Sandy Loam
TP-211	1	0.14	1.6	Fill - Silt Loam
TP-211	2	0.18	1.1	Clay
TP-211	6	1.0	1.1	Sandy Loam
TP-212	3	<0.06	<0.06	Clay Loam
TP-212	6	0.40	0.49	Sandy Loam
TP-213	3	<0.06	<0.06	Clay
TP-213	6	1.3	1.7	Loamy Sand
TP-214	3	<0.06	<0.06	Clay
TP-214	6	5.4	6.3	Loamy Sand
TP-215	3	<0.06	<0.06	Clay
TP-215	8	0.14	0.45	Sandy Loam
TP-216	3	<0.06	<0.06	Sandy Clay Loam
TP-217	2	<0.06	<0.06	Sandy Clay Loam
TP-217	5	0.46	<0.06	Sandy Loam
TP-218	2	<0.06	<0.06	Silt Loam
TP-218	6	<0.06	<0.06	Silt Loam
TP-219	3	<0.06	<0.06	Clay Loam
TP-219	6	0.14	0.13	Fine Sandy Loam
TP-220	3	<0.06	<0.06	Clay
TP-221	3	<0.06	<0.06	Clay
TP-221	7	2.5	2.4	Loamy Sand
TP-222	3	<0.06	<0.06	Clay

Summary of Laboratory Tube Permeameter Permeability Test Results
Ivy Realty Services, LLC - Plainsboro Township, New Jersey
26.0092818.01

Test Pit No.	Depth (ft)	Permeability Replicate A (in/hr)	Permeability Replicate B (in/hr)	USDA Visual Soil Classification
TP-222	7	<0.06	<0.06	Fine Sandy Loam
TP-223	3	<0.06	<0.06	Clay
TP-223	6	0.35	0.40	Fine Sandy Loam
TP-224	3	<0.06	<0.06	Clay
TP-225	3	<0.06	<0.06	Clay
TP-226	2	<0.06	<0.06	Clay
TP-227	2	<0.06	<0.06	Clay
TP-228	2	<0.06	<0.06	Clay
TP-228	5	<0.06	<0.06	Loamy Sand
TP-229	3	<0.06	<0.06	Clay
TP-229	9	<0.06	<0.06	Sandy Loam
TP-230	2	<0.06	<0.06	Clay
TP-230	5	<0.06	<0.06	Sandy Loam
TP-231	3	<0.06	<0.06	Clay
TP-232	2	<0.06	<0.06	Sandy Clay Loam
TP-232	7	<0.06	<0.06	Loamy Sand
TP-233	2	<0.06	<0.06	Sandy Clay
TP-234	2	<0.06	<0.06	Clay
TP-234	5	<0.06	<0.06	Loamy Sand
TP-235	1.5	<0.06	<0.06	Clay
TP-236	2	<0.06	<0.06	Clay
TP-237	2	<0.06	<0.06	Clay
TP-237	5	<0.06	<0.06	Clay
TP-238	1.5	<0.06	<0.06	Clay
TP-239	2	<0.06	<0.06	Clay
TP-240	2	<0.06	<0.06	Sandy Clay Loam
TP-240	5	0.24	0.21	Loamy Fine Sand
TP-241	3	<0.06	<0.06	Clay
TP-242	2	<0.06	<0.06	Sandy Clay Loam
TP-243	3	<0.06	<0.06	Clay
TP-244	3	<0.06	<0.06	Clay
TP-245	3	<0.06	<0.06	Clay
TP-246	2	<0.06	<0.06	Clay
TP-246	6	0.67	0.67	Loamy Sand
TP-247	3	<0.06	<0.06	Clay
TP-248	3	<0.06	<0.06	Silt Loam
TP-249	2	<0.06	<0.06	Clay
TP-250	3	<0.06	<0.06	Silt Loam
TP-250	5	<0.06	0.40	Loamy Sand
TP-251	3	<0.06	<0.06	Sandy Clay Loam

Summary of Laboratory Tube Permeameter Permeability Test Results
Ivy Realty Services, LLC - Plainsboro Township, New Jersey
26.0092818.01

Test Pit No.	Depth (ft)	Permeability Replicate A (in/hr)	Permeability Replicate B (in/hr)	USDA Visual Soil Classification
TP-252	2	<0.06	<0.06	Silt Loam
TP-253	2	<0.06	<0.06	Clay
TP-253	6	0.14	<0.06	Loamy Sand
TP-254	3	<0.06	<0.06	Silt Loam
TP-255	3	<0.06	<0.06	Clay
TP-256	3	<0.06	<0.06	Silt Loam
TP-256	6	1.0	2.8	Loam
TP-257	3	<0.06	<0.06	Clay
TP-258	2	<0.06	<0.06	Clay
TP-258	5	<0.06	<0.06	Loamy Sand
TP-259	3	<0.06	<0.06	Silt Loam
TP-260	2	<0.06	<0.06	Clay
TP-260	6	3.5	3.3	Sandy Loam
TP-261	2	<0.06	<0.06	Clay
TP-262	2	<0.06	<0.06	Clay
TP-262	5	<0.06	<0.06	Fine Sandy Loam
TP-263	3	<0.06	<0.06	Clay
TP-263	10	0.78	1.2	Loamy Sand
TP-264	0.5	<0.06	<0.06	Clay
TP-264	3	<0.06	<0.06	Silt Loam
TP-265	2	<0.06	<0.06	Clay
TP-265	5	>20	17.8	Loamy Sand
TP-266	3	<0.06	<0.06	Clay
TP-266	6	<0.06	<0.06	Fine Sandy Loam
TP-267	3	<0.06	<0.06	Silt Loam
TP-268	2	<0.06	<0.06	Sandy Clay
TP-268	5	0.40	0.42	Fine Sandy Loam
TP-269	3	<0.06	<0.06	Clay
TP-269	6	<0.06	<0.06	Silt Loam
TP-270	1	<0.06	<0.06	Clay
TP-271	2	<0.06	<0.06	Clay

Summary of Hydrologic Soil Group
Ivy Realty Services, LLC - Plainsboro Township, New Jersey
26.0092818.01

Test Pit No.	Depth (ft)	Permeability Replicate A (in/hr)	Permeability Replicate B (in/hr)	USDA Visual Soil Classification	Hydrologic Soil Group (HSG)
TP-101	2.5	<0.06	<0.06	Silty Clay	D
TP-102	1.5	<0.06	<0.06	Clay Loam	D
TP-103	2	<0.06	<0.06	Loam	D
TP-104	2	<0.06	<0.06	Clay	D
TP-105	1.5	<0.06	<0.06	Clay Loam	D
TP-106	2	<0.06	<0.06	Clay	D
TP-107	2	<0.06	<0.06	Silty Clay	D
TP-108	2.5	<0.06	<0.06	Sandy Clay	D
TP-109	1.5	<0.06	<0.06	Clay Loam	D
TP-110	4	<0.06	<0.06	Sandy Clay Loam	D
TP-111	2	<0.06	<0.06	Silty Clay	D
TP-112	1.5	<0.06	<0.06	Loam	D
TP-113	2	<0.06	<0.06	Clay	D
TP-114	2	<0.06	<0.06	Loam	D
TP-115	2	<0.06	0.11	Loam	D
TP-116	2	1.1	1.2	Sandy Loam	B
TP-117	1.5	<0.06	<0.06	Fine Sandy Loam	D
TP-118	2	<0.06	<0.06	Silt Loam	D
TP-119	2	<0.06	<0.06	Clay Loam	D
TP-120	1.5	<0.06	<0.06	Clay Loam	D
TP-121	2.5	<0.06	<0.06	Loam	D
TP-122	2	<0.06	<0.06	Clay Loam	D
TP-123	2	<0.06	<0.06	Fine Sandy Loam	D
TP-124	2	<0.06	<0.06	Loam	D
TP-125	2.5	<0.06	<0.06	Sandy Clay	D
TP-126	2	<0.06	<0.06	Loam	D
TP-127	1.5	<0.06	<0.06	Loam	D
TP-128	2	<0.06	<0.06	Loam	D
TP-129	1.5	<0.06	<0.06	Loam	D
TP-130	1.5	<0.06	<0.06	Loam	D
TP-131	2	<0.06	<0.06	Loam	D
TP-132	1.5	<0.06	<0.06	Loam	D
TP-201	3	<0.06	<0.06	Clay	D
TP-202	2	<0.06	<0.06	Clay	D
TP-203	3	<0.06	<0.06	Clay	D
TP-204	3	<0.06	<0.06	Clay	D
TP-205	3	<0.06	<0.06	Clay	D
TP-206	2	0.52	<0.06	Clay	D
TP-207	2	<0.06	<0.06	Clay	D
TP-208	3	0.45	<0.06	Clay	D

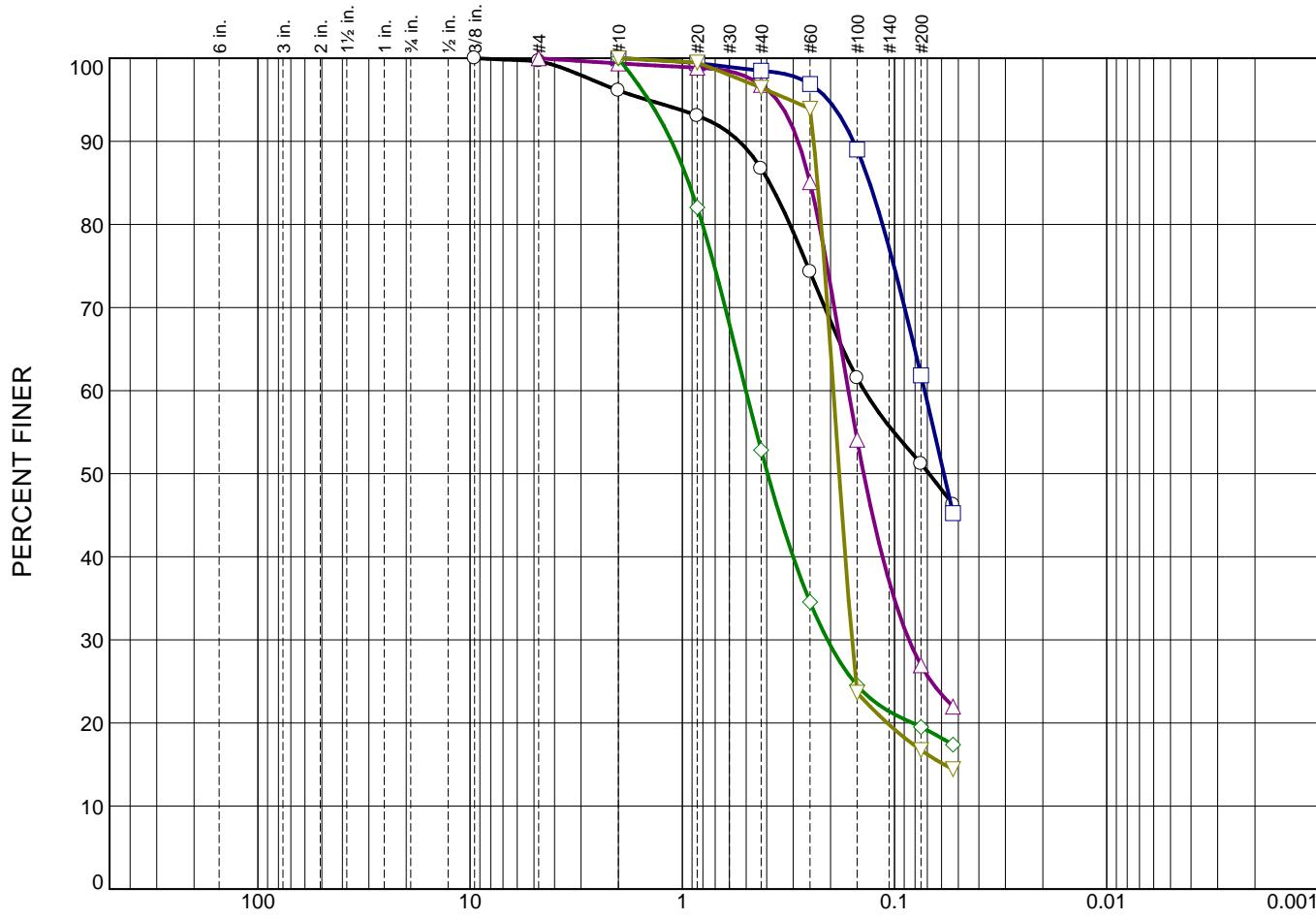
Summary of Hydrologic Soil Group
Ivy Realty Services, LLC - Plainsboro Township, New Jersey
26.0092818.01

Test Pit No.	Depth (ft)	Permeability Replicate A (in/hr)	Permeability Replicate B (in/hr)	USDA Visual Soil Classification	Hydrologic Soil Group (HSG)
TP-209	3	<0.06	<0.06	Clay	D
TP-210	3	<0.06	<0.06	Fine Sandy Loam	D
TP-211	1	0.14	1.6	Fill - Silt Loam	C
TP-212	3	<0.06	<0.06	Clay Loam	D
TP-213	3	<0.06	<0.06	Clay	D
TP-214	3	<0.06	<0.06	Clay	D
TP-215	3	<0.06	<0.06	Clay	D
TP-216	3	<0.06	<0.06	Sandy Clay Loam	D
TP-217	2	<0.06	<0.06	Sandy Clay Loam	D
TP-218	2	<0.06	<0.06	Silt Loam	D
TP-219	3	<0.06	<0.06	Clay Loam	D
TP-220	3	<0.06	<0.06	Clay	D
TP-221	3	<0.06	<0.06	Clay	D
TP-222	3	<0.06	<0.06	Clay	D
TP-223	3	<0.06	<0.06	Clay	D
TP-224	3	<0.06	<0.06	Clay	D
TP-225	3	<0.06	<0.06	Clay	D
TP-226	2	<0.06	<0.06	Clay	D
TP-227	2	<0.06	<0.06	Clay	D
TP-228	2	<0.06	<0.06	Clay	D
TP-229	3	<0.06	<0.06	Clay	D
TP-230	2	<0.06	<0.06	Clay	D
TP-231	3	<0.06	<0.06	Clay	D
TP-232	2	<0.06	<0.06	Sandy Clay Loam	D
TP-233	2	<0.06	<0.06	Sandy Clay	D
TP-234	2	<0.06	<0.06	Clay	D
TP-235	1.5	<0.06	<0.06	Clay	D
TP-236	2	<0.06	<0.06	Clay	D
TP-237	2	<0.06	<0.06	Clay	D
TP-238	1.5	<0.06	<0.06	Clay	D
TP-239	2	<0.06	<0.06	Clay	D
TP-240	2	<0.06	<0.06	Sandy Clay Loam	D
TP-241	3	<0.06	<0.06	Clay	D
TP-242	2	<0.06	<0.06	Sandy Clay Loam	D
TP-243	3	<0.06	<0.06	Clay	D
TP-244	3	<0.06	<0.06	Clay	D
TP-245	3	<0.06	<0.06	Clay	D
TP-246	2	<0.06	<0.06	Clay	D
TP-247	3	<0.06	<0.06	Clay	D
TP-248	3	<0.06	<0.06	Silt Loam	D

Summary of Hydrologic Soil Group
Ivy Realty Services, LLC - Plainsboro Township, New Jersey
26.0092818.01

Test Pit No.	Depth (ft)	Permeability Replicate A (in/hr)	Permeability Replicate B (in/hr)	USDA Visual Soil Classification	Hydrologic Soil Group (HSG)
TP-249	2	<0.06	<0.06	Clay	D
TP-250	3	<0.06	<0.06	Silt Loam	D
TP-251	3	<0.06	<0.06	Sandy Clay Loam	D
TP-252	2	<0.06	<0.06	Silt Loam	D
TP-253	2	<0.06	<0.06	Clay	D
TP-254	3	<0.06	<0.06	Silt Loam	D
TP-255	3	<0.06	<0.06	Clay	D
TP-256	3	<0.06	<0.06	Silt Loam	D
TP-257	3	<0.06	<0.06	Clay	D
TP-258	2	<0.06	<0.06	Clay	D
TP-259	3	<0.06	<0.06	Silt Loam	D
TP-260	2	<0.06	<0.06	Clay	D
TP-261	2	<0.06	<0.06	Clay	D
TP-262	2	<0.06	<0.06	Clay	D
TP-263	3	<0.06	<0.06	Clay	D
TP-264	0.5	<0.06	<0.06	Clay	D
TP-265	2	<0.06	<0.06	Clay	D
TP-266	3	<0.06	<0.06	Clay	D
TP-267	3	<0.06	<0.06	Silt Loam	D
TP-268	2	<0.06	<0.06	Sandy Clay	D
TP-269	3	<0.06	<0.06	Clay	D
TP-270	1	<0.06	<0.06	Clay	D
TP-271	2	<0.06	<0.06	Clay	D

Gradation Curve(s)



GRAIN SIZE - mm.

% Cobbles	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.3	3.6	9.4	35.5	51.2
□	0.0	0.0	0.0	0.0	1.5	36.7	61.8
△	0.0	0.0	0.0	0.6	2.6	69.9	26.9
◇	0.0	0.0	0.0	0.0	47.2	33.3	19.5
▽	0.0	0.0	0.0	0.0	3.6	79.7	16.7

SOIL DATA

SYMBOL	SOURCE	SAMPLE NO.	DEPTH (ft.)	Material Description	USCS
○	TP-204	1	3	Sandy Clay Loam (MC=14.6%)	CL
□	TP-206	2	6	Sandy Clay Loam (MC=33.4%)	CL
△	TP-223	2	6	Fine Sandy Loam (MC=24.8%)	SM
◇	TP-228	2	5	Loamy Sand (MC=19.5%)	SM
▽	TP-240	2	5	Loamy Fine Sand (MC=17.8%)	SM

GZA GeoEnvironmental, Inc.

Somerset, NJ

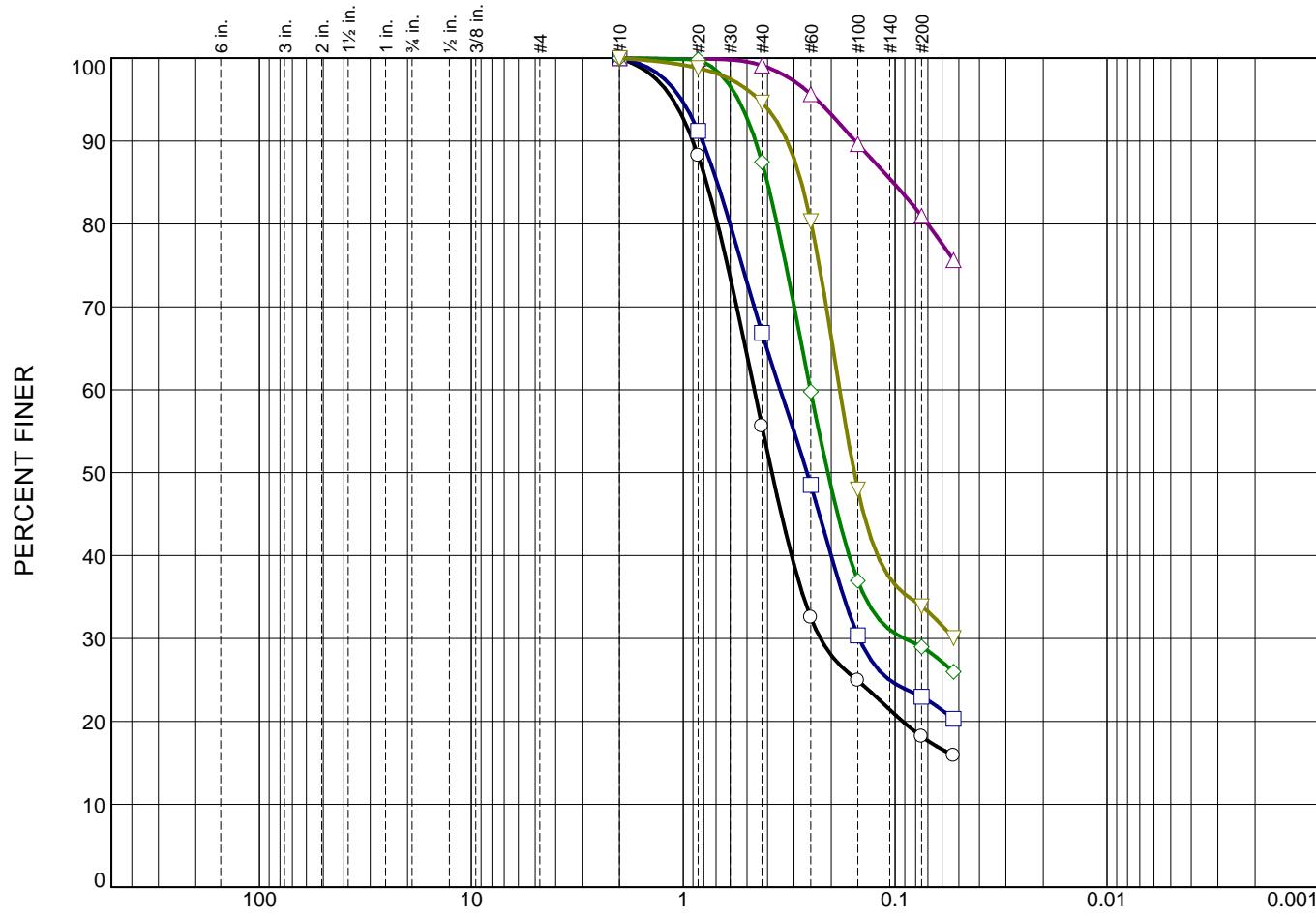
Client: Ivy Realty Services, LLC

Project: Proposed Fusion @ Plainsboro Development - Plainsboro Township, New Jersey

Project No.: 26.0092818.01

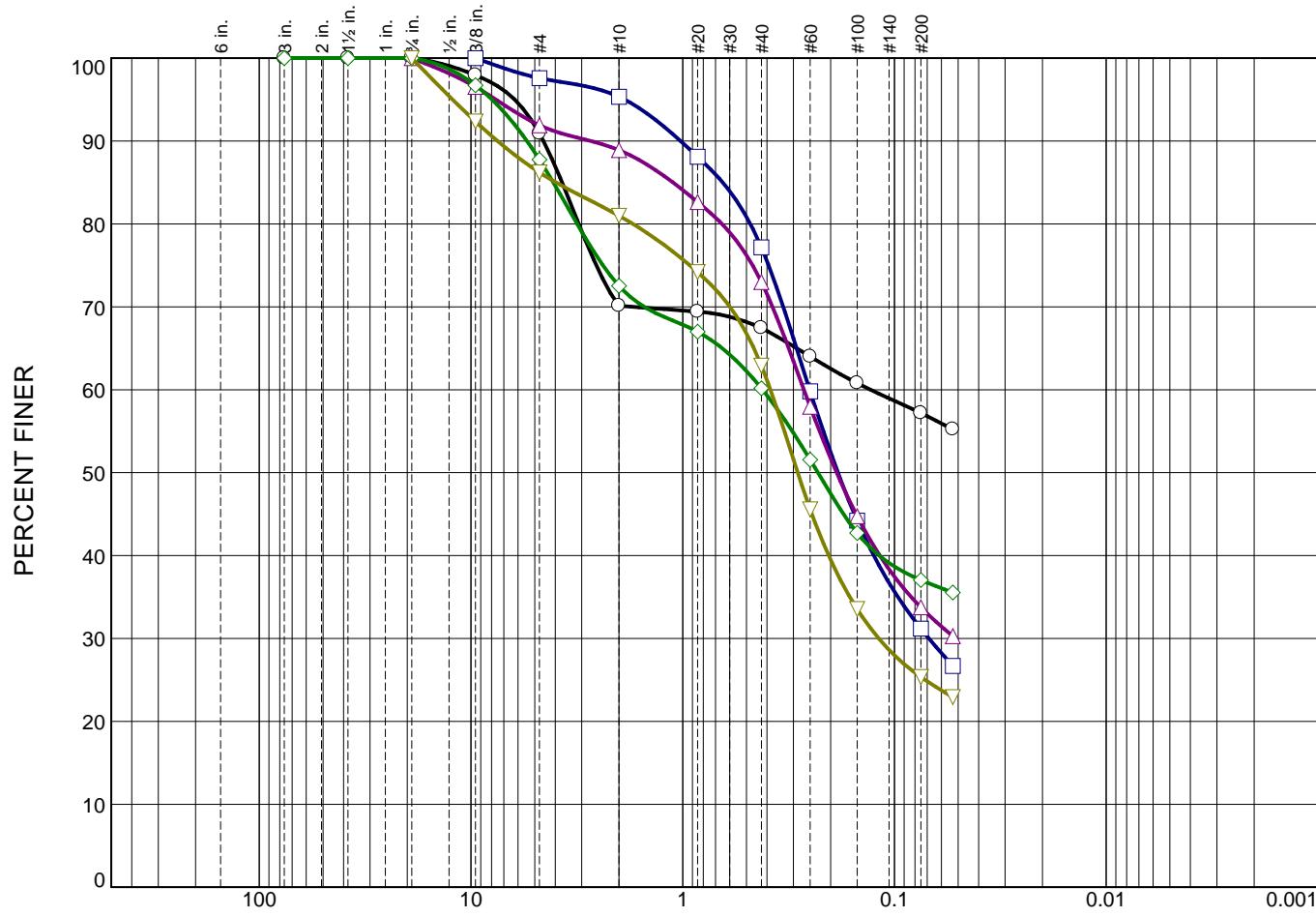
Plate 8A

Gradation Curve(s)



SOIL DATA					
SYMBOL	SOURCE	SAMPLE NO.	DEPTH (ft.)	Material Description	USCS
○	TP-246	2	6	Loamy Sand (MC=17.3%)	SM
□	TP-250	2	5	Loamy Sand (MC=20.0%)	SM
△	TP-255	1	3	Clay (MC=20.5%)	CL
◇	TP-262	2	5	Fine Sandy Loam (MC=16.5%)	SM
▽	TP-268	2	5	Fine Sandy Loam (MC=22.0%)	SM

Gradation Curve(s)

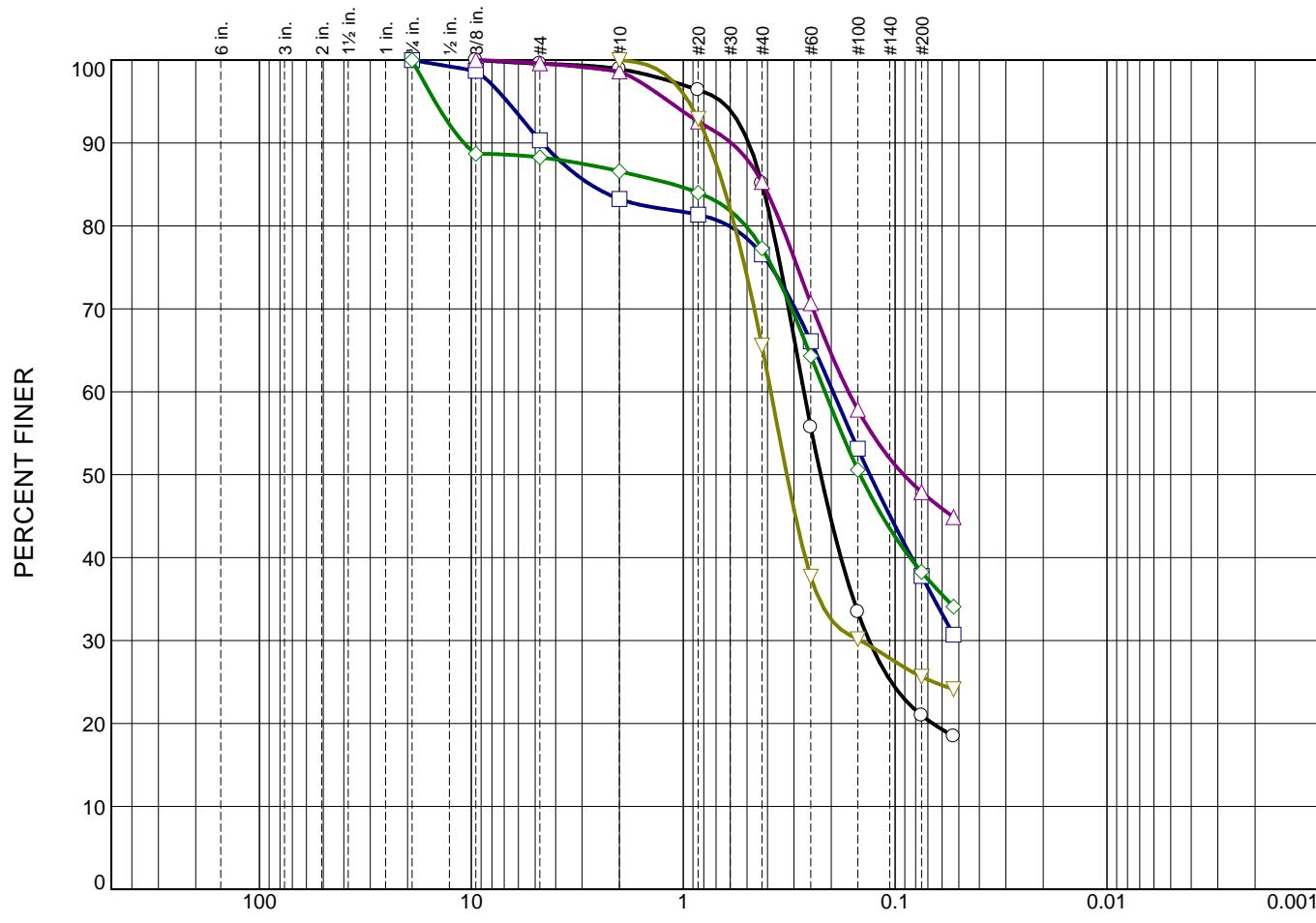


% Cobbles	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	9.1	20.8	2.6	10.3	57.2
□	0.0	0.0	2.4	2.3	18.1	46.0	31.2
△	0.0	0.0	8.1	3.0	15.9	39.2	33.8
◇	0.0	0.0	12.2	15.3	12.3	23.1	37.1
▽	0.0	0.0	13.8	5.2	18.1	37.6	25.3

SOIL DATA

SYMBOL	SOURCE	SAMPLE NO.	DEPTH (ft.)	Material Description	USCS
○	TP-105	2	1.5	Clayey Silt, some f-c Sand, trace fine Gravel (MC=18.0%)	ML
□	TP-111	S2	4	Fine to medium Sand, some Silt, trace fine Gravel (MC=12.2%)	SM
△	TP-116	S3	5	Fine to medium Sand, some Silt, trace fine Gravel (MC=9.9%)	SM
◇	TP-122	2	4	F-c Sand, and clayey Silt, little fine Gravel (MC=17.9%)	SM
▽	TP-128	S3	4.5	Fine to medium Sand, some Silt, little fine Gravel (MC=10.6%)	SM

Gradation Curve(s)



% Cobbles	% Gravel		% Sand			% Fines	
	Coarse	Fine	Coarse	Medium	Fine	Silt	Clay
○	0.0	0.0	0.4	0.7	13.8	64.1	21.0
□	0.0	0.0	9.7	7.0	6.7	38.8	37.8
△	0.0	0.0	0.4	1.0	13.3	37.4	47.9
◇	0.0	0.0	11.7	1.7	9.3	39.0	38.3
▽	0.0	0.0	0.0	0.0	34.5	39.9	25.6

SOIL DATA					
SYMBOL	SOURCE	SAMPLE NO.	DEPTH (ft.)	Material Description	USCS
○	B-101	S3	4-6	Fine to medium Sand, some Silt, trace fine Gravel (MC=12.7%)	SM
□	B-103	S3	4-6	Fine to coarse Sand, and Silt, trace fine Gravel (MC=10.4%)	SM
△	B-105	S3	4-6	F-m Sand, and clayey Silt, trace fine Gravel (MC=18.7%)	SM
◇	B-107	S2	2-4	F-m Sand, and clayey Silt, little fine Gravel (MC=13.5%)	SM
▽	B-109	S3	4-6	Fine to medium Sand, some Silt (MC=14.0%)	SM

APPENDIX I – Test Boring Logs (2023)

TEST BORING LOG											
 GZA GeoEnvironmental, Inc. <i>Engineers and Scientists</i>				Ivy Realty Services, LLC Proposed Mixed-Use Development Plainsboro Township, NJ				EXPLORATION NO.: B-101 SHEET: 1 of 1 PROJECT NO.: 26.0092818.I00 REVIEWED BY: Cory Karinja			
Logged By: Jeremy Weremeichik Drilling Co.: Boring Brothers Driller: Paul/Rich				Type of Rig: Track Rig Rig Model: CME-55 Drilling Method: Mud Rotary		Boring Location: See Plan Ground Surface Elev. (ft.): +72.5 Date Start - Finish: 1/13/2023 - 1/13/2023		Final Boring Depth (ft.): 13.5			
Hammer Type: Automatic Hammer Hammer Weight (lb.): 140 Auger or Casing O.D./I.D Dia (in.): 4.25/4								Groundwater Depth (ft.)			
								Date	Time	Water Depth	Stab. Time
								1/13/23	6		
Depth (ft)	Sample			Symbol	Sample Description and Identification				Depth (ft)	Water Content (%)	Remark
	No.	Depth (ft.)	Blows (per 6 in.)		SPT Value						
5	S1	0-2	2 2 2 2	4	12" Topsoil				5	12.7	
	S2	2-4	2 5 6 6		11	Brown clayey silt, and fine to medium sand (moist)(medium)					
	S3	4-6	16 11 15 22	26		- (stiff)					
	S4	6-8	28 19 12 16		31	Pale brown fine to medium sand, some silt, trace fine gravel (moist)(medium dense)					
	S5	8-10	7 12 10 10	22		- (dense)					
	S6	10-12	10 20 36 52		SM	Pale yellow fine to coarse sand, trace to little silt (wet)(medium dense)					
10					- (very dense)						
15					- auger refusal @ 13.5 on sandstone						
20					End of exploration at 13.5 feet. Groundwater encountered @ 6'						
REMARKS											
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.										Plate No.: 3-1	

TEST BORING LOG															
 GZA GeoEnvironmental, Inc. <i>Engineers and Scientists</i>				Ivy Realty Services, LLC Proposed Mixed-Use Development Plainsboro Township, NJ				EXPLORATION NO.: B-102 SHEET: 1 of 1 PROJECT NO.: 26.0092818.I00 REVIEWED BY: Cory Karinja							
Logged By: Jeremy Weremeichik Drilling Co.: Boring Brothers Driller: Paul/Rich			Type of Rig: Track Rig Rig Model: CME-55 Drilling Method: Mud Rotary		Boring Location: See Plan Ground Surface Elev. (ft.): +71.5 Date Start - Finish: 1/13/2023 - 1/13/2023		Final Boring Depth (ft.): 11								
Hammer Type: Automatic Hammer Hammer Weight (lb.): 140 Auger or Casing O.D./I.D Dia (in.): 4.25/4						Groundwater Depth (ft.)									
Hammer Fall (in.): 30						Date 1/13/23	Time 	Water Depth 10	Stab. Time						
Depth (ft)	Sample			Symbol	Sample Description and Identification					Depth (ft)	Water Content (%)				
	No.	Depth (ft.)	Blows (per 6 in.)	SPT Value							Remark				
	S1	0-2	1 1 2 1	3		12" Topsoil									
	S2	2-4	5 4 7 12	11	ML	Brown clayey silt, and fine to medium sand (moist)(soft) - (stiff)									
5	S3	4-6	12 10 12 8	22	SM	Strong brown fine to coarse sand, little silt, trace fine gravel (moist)(medium dense)					5				
	S4	6-8	10 24 25 20	49		- color change to pale yellow (dense)									
	S5	8-10	18 11 18 13	29	SM	Strong brown fine to coarse sand, some fine gravel, little silt, with sandstone fragments (wet)(medium dense)									
10	S6	10-11	20 50/3"	50/3"		- spoon refusal @ 11' on sandstone					10				
15						End of exploration at 11 feet. Groundwater encountered @ 10'									
20															
REMARKS															
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.										Plate No.: 3-2					

TEST BORING LOG												
 GZA GeoEnvironmental, Inc. <i>Engineers and Scientists</i>				Ivy Realty Services, LLC Proposed Mixed-Use Development Plainsboro Township, NJ				EXPLORATION NO.: B-103 SHEET: 1 of 1 PROJECT NO: 26.0092818.I00 REVIEWED BY: Cory Karinja				
Logged By: Jeremy Weremeichik Drilling Co.: Boring Brothers Driller: Paul/Rich				Type of Rig: Track Rig Rig Model: CME-55 Drilling Method: Mud Rotary		Boring Location: See Plan Ground Surface Elev. (ft.): +76.5 Date Start - Finish: 1/13/2023 - 1/13/2023		Final Boring Depth (ft.): 14				
Hammer Type: Automatic Hammer Hammer Weight (lb.): 140 Auger or Casing O.D./I.D Dia (in.): 4.25/4								Groundwater Depth (ft.)				
								Date	Time	Water Depth	Stab. Time	
								1/13/23	6			
Depth (ft)	Sample				Symbol	Sample Description and Identification				Depth (ft)	Water Content (%)	Remark
	No.	Depth (ft.)	Blows (per 6 in.)	SPT Value								
	S1	0-2	1 1 2 2	3		18" Topsoil						
	S2	2-4	3 4 4 10		8	ML	Brown silt, and fine to medium sand (moist)(soft) - (stiff)					
5	S3	4-6	10 9 8 9	17		SM	Brown fine to coarse sand, and silt, trace fine gravel (moist)(medium dense)				5	10.4
	S4	6-8	10 10 12 10		22		- color change to pale yellow					
10	S5	8-10	20 25 12 10	37		SM	Dusky red fine to coarse sand, and clayey silt, little fine to coarse gravel (wet)(dense)				10	
	S6	10-12	10 8 12 10		20		- (medium dense)					
							- auger refusal @ 14' on siltstone					
15						End of exploration at 14 feet. Groundwater encountered @ 6'						
20												
REMARKS												
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.											Plate No.: 3-3	

TEST BORING LOG																
 GZA GeoEnvironmental, Inc. <i>Engineers and Scientists</i>				Ivy Realty Services, LLC Proposed Mixed-Use Development Plainsboro Township, NJ				EXPLORATION NO.: B-104 SHEET: 1 of 1 PROJECT NO.: 26.0092818.I00 REVIEWED BY: Cory Karinja								
Logged By: Jeremy Weremeichik Drilling Co.: Boring Brothers Driller: Mike/Terrance			Type of Rig: Track Rig Rig Model: CME-55 Drilling Method: Mud Rotary			Boring Location: See Plan		Final Boring Depth (ft.): 13								
Hammer Type: Automatic Hammer Hammer Weight (lb.): 140 Auger or Casing O.D./I.D Dia (in.): 4.25/4			Hammer Fall (in.): 30			Groundwater Depth (ft.)										
						Date 1/12/23	Time 	Water Depth NE	Stab. Time							
Sample																
Depth (ft)	No.	Depth (ft.)	Blows (per 6 in.)	SPT Value	Symbol	Sample Description and Identification					Depth (ft)					
											Water Content (%)					
											Remark					
5	S1	0-2	5 4 6 4	10		12" Topsoil										
	S2	2-4	7 5 6 4	11	ML	Brown clayey silt, and fine to medium sand, trace fine gravel (moist)(stiff)										
	S3	4-6	10 11 10 6	21	ML	Dusky red clayey silt, little fine to coarse sand (moist)(very stiff)					5					
	S4	6-8	10 10 11 11	21	ML											
	S5	8-10	10 10 12 4	22		- grading with fractured siltstone fragments					10					
	S6	10-12	16 26 26 30	52		Dusky red fractured siltstone										
15						End of exploration at 13 feet. Groundwater not encountered										
20	REMARKS															
	See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.															
	Plate No.: 3-4															

TEST BORING LOG															
 GZA GeoEnvironmental, Inc. <i>Engineers and Scientists</i>				Ivy Realty Services, LLC Proposed Mixed-Use Development Plainsboro Township, NJ				EXPLORATION NO.: B-105 SHEET: 1 of 1 PROJECT NO.: 26.0092818.I00 REVIEWED BY: Cory Karinja							
Logged By: Jeremy Weremeichik Drilling Co.: Boring Brothers Driller: Mike/Terrance			Type of Rig: Track Rig Rig Model: CME-55 Drilling Method: Mud Rotary		Boring Location: See Plan Ground Surface Elev. (ft.): +79.8 Date Start - Finish: 1/12/2023 - 1/12/2023		Final Boring Depth (ft.): 14								
Hammer Type: Automatic Hammer Hammer Weight (lb.): 140 Auger or Casing O.D./I.D Dia (in.): 4.25/4						Groundwater Depth (ft.)									
Hammer Fall (in.): 30						Date 1/12/23	Time 	Water Depth NE	Stab. Time						
Depth (ft)	Sample			Symbol	Sample Description and Identification					Depth (ft)	Water Content (%)				
	No.	Depth (ft.)	Blows (per 6 in.)	SPT Value							Remark				
	S1	0-2	2 3 3 3	6		14" Topsoil									
	S2	2-4	4 3 3 3	6	ML	Brown clayey silt, and fine sand, trace fine gravel (moist)(medium)									
5	S3	4-6	7 3 3 2	6	SM	Light brown fine to medium sand, and clayey silt, trace fine gravel (very moist)(loose)					5 18.7				
	S4	6-8	7 8 8 6	16		- (medium dense)									
	S5	8-10	8 6 12 14	18	SM	Pale yellow fine to coarse sand, little silt (moist)(medium dense)					10				
10	S6	10-12	16 16 15 9	31		- (dense)									
						- auger refusal @ 14' on sandstone									
15						End of exploration at 14 feet. Groundwater not encountered									
20															
REMARKS															
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.										Plate No.: 3-5					

TEST BORING LOG



GZA GeoEnvironmental, Inc.

Engineers and Scientists

**Ivy Realty Services, LLC
Proposed Mixed-Use Development
Plainsboro Township, NJ**

EXPLORATION NO.: B-106
SHEET: 1 of 1
PROJECT NO: 26.0092818.I00
REVIEWED BY: Cory Karinja

Logged By: Jeremy Weremeichik
Drilling Co.: Boring Brothers
Driller: Mike/Terrance

Type of Rig: Track Rig
Rig Model: CME-55
Drilling Method: Mud R

Boring Location: See Plan **Final B**
Ground Surface Elev. (ft.): +81.8
Date Start - Finish: 1/12/2023 - 1/12/2023

Final Boring Depth (ft.): 15.5

Hammer Type: Automatic Hammer

Hammer Weight (lb.): 140

Driller: Mike/Terrance **Drilling Method:** Mud Rotary **Date Start - Finish:** 1/12/2023 - 1/12/2023

Hammer Fall (in.): 30

Ground Surface Elev. (ft.): +81.8

Date Start/Finish: 1/12/2023 - 1

Date Start - Finish: 1/12/2023 - 1/12/2023

Auger or Casing O.D./I.D. Dia (in.): 4.25/4

Groundwater Depth (ft.)

Time

Stab. Time

Depth (ft)	Sample				Symbol	Sample Description and Identification	Depth (ft)	Water Content (%)	Remark	
	No.	Depth (ft.)	Blows (per 6 in.)	SPT Value						
5	S1	0-2	6 4 3 3	7	ML	12" Topsoil	5	5		
	S2					Brown clayey silt, and fine sand, trace fine gravel (moist)(medium)				
	S3	2-4	6 5 7 8	12		Pale yellow fine to coarse sand, little silt (moist)(medium dense)				
	S4			SM						
	S5	4-6	8 6 6 5		12					
	S6									
	S7	6-8	12 11 9 5		20					
10									10	
		8-10	8 10 12 12		22					
15								- grading with sandstone fragments	15	
		10-12	6 11 11 12		22					
20					Pale yellow sandstone - spoon refusal @ 15.5'					
					End of exploration at 15.5 feet. Groundwater encountered @ 10'					

See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.

Plate No.: 3-6

TEST BORING LOG																
 GZA GeoEnvironmental, Inc. <i>Engineers and Scientists</i>				Ivy Realty Services, LLC Proposed Mixed-Use Development Plainsboro Township, NJ				EXPLORATION NO.: B-107 SHEET: 1 of 1 PROJECT NO.: 26.0092818.I00 REVIEWED BY: Cory Karinja								
Logged By: Jeremy Weremeichik Drilling Co.: Boring Brothers Driller: Paul/Rich			Type of Rig: Track Rig Rig Model: CME-55 Drilling Method: Mud Rotary		Boring Location: See Plan Ground Surface Elev. (ft.): +77.4 Date Start - Finish: 1/13/2023 - 1/13/2023		Final Boring Depth (ft.): 14									
Hammer Type: Automatic Hammer Hammer Weight (lb.): 140 Auger or Casing O.D./I.D Dia (in.): 4.25/4						Groundwater Depth (ft.)										
Hammer Fall (in.): 30						Date 1/13/23	Time 	Water Depth NE	Stab. Time							
Depth (ft)	Sample			Symbol	Sample Description and Identification					Depth (ft)	Water Content (%)					
No.	Depth (ft.)	Blows (per 6 in.)	SPT Value							Remark						
S1	0-2	2 2 4 3	6		12" Topsoil											
S2	2-4	2 4 4 4	8	SM	Brown fine to medium sand, and clayey silt, little fine gravel (moist)(loose)						13.5					
S3	4-6	8 8 10 12	18		Brown fine to coarse sand, trace to little silt, trace fine gravel (moist)(medium dense)						5					
S4	6-8	14 16 10 7	26	SM												
S5	8-10	10 11 14 11	25													
S6	10-12	10 7 8 10	15	SM	Pale yellow fine to medium sand, little silt (moist)(medium dense)						10					
					- auger refusal @ 14' on probable sandstone											
15					End of exploration at 14 feet. Groundwater not encountered											
20																
REMARKS																
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.										Plate No.: 3-7						

TEST BORING LOG																
 GZA GeoEnvironmental, Inc. <i>Engineers and Scientists</i>				Ivy Realty Services, LLC Proposed Mixed-Use Development Plainsboro Township, NJ				EXPLORATION NO.: B-108 SHEET: 1 of 1 PROJECT NO.: 26.0092818.I00 REVIEWED BY: Cory Karinja								
Logged By: Jeremy Weremeichik Drilling Co.: Boring Brothers Driller: Paul/Rich			Type of Rig: Track Rig Rig Model: CME-55 Drilling Method: Mud Rotary		Boring Location: See Plan Ground Surface Elev. (ft.): +82.3 Date Start - Finish: 1/12/2023 - 1/12/2023		Final Boring Depth (ft.): 18									
Hammer Type: Automatic Hammer Hammer Weight (lb.): 140 Auger or Casing O.D./I.D Dia (in.): 4.25/4						Groundwater Depth (ft.)										
Hammer Fall (in.): 30						Date 1/12/23	Time 	Water Depth 12	Stab. Time							
Depth (ft)	Sample			Symbol	Sample Description and Identification					Depth (ft)	Water Content (%)					
No.	Depth (ft.)	Blows (per 6 in.)	SPT Value							Remark						
S1	0-2	3 3 4 4	7		12" Topsoil											
S2	2-4	5 5 5 4	10	ML	Dusky red clayey silt, and fine to medium sand, trace fine gravel (moist)(medium) - (stiff)											
S3	4-6	7 6 9 8	15	SM	Pale yellow fine to medium sand, little silt (moist)(medium dense)					5						
S4	6-8	9 8 14 32	22													
S5	8-10	17 16 14 16	30	ML	Dusky red clayey silt, trace fine sand (moist)(very stiff)					10						
S6	10-12	22 20 26 22	46	SM	Pale yellow fine to medium sand, some silt (moist)(dense)											
S7	15-17	19 20 33 54	53		Dusky red silt, and fine to medium sand, trace fine gravel (wet)(hard) - auger refusal @ 18' on probable siltstone					15						
					End of exploration at 18 feet. Groundwater encountered @ 12'											
20																
REMARKS																
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.										Plate No.: 3-8						

TEST BORING LOG												
 GZA GeoEnvironmental, Inc. <i>Engineers and Scientists</i>				Ivy Realty Services, LLC Proposed Mixed-Use Development Plainsboro Township, NJ				EXPLORATION NO.: B-109 SHEET: 1 of 1 PROJECT NO.: 26.0092818.I00 REVIEWED BY: Cory Karinja				
Logged By: Jeremy Weremeichik Drilling Co.: Boring Brothers Driller: Mike/Terrance				Type of Rig: Track Rig Rig Model: CME-55 Drilling Method: Mud Rotary		Boring Location: See Plan Ground Surface Elev. (ft.): +85.6 Date Start - Finish: 1/12/2023 - 1/12/2023		Final Boring Depth (ft.): 11.5				
Hammer Type: Automatic Hammer Hammer Weight (lb.): 140 Auger or Casing O.D./I.D Dia (in.): 4.25/4								Groundwater Depth (ft.)				
								Date	Time	Water Depth	Stab. Time	
								1/12/23	8			
Depth (ft)	Sample				Symbol	Sample Description and Identification				Depth (ft)	Water Content (%)	Remark
	No.	Depth (ft.)	Blows (per 6 in.)	SPT Value								
	S1	0-2	6 7 9 8	16		14" Topsoil						
	S2	2-4	10 6 8 8		14	ML	Brown clayey silt, and fine to medium sand, trace fine gravel (moist)(very stiff)					
5	S3	4-6	14 13 10 5	23	SM	Pale yellow fine to medium sand, some silt (moist)(medium dense)				5	14.0	
	S4	6-8	7 7 5 7	12								
	S5	8-10	6 11 32 30	43	SM	Pale yellow fine to coarse sand, trace to little silt (wet)(dense)				10		
10	S6	10-11.5	33 32 80/5"	112/11"		- no recovery from 10' to 11.5' (very dense) - spoon refusal @ 11.5' on sandstone						
15						End of exploration at 11.5 feet. Groundwater encountered @ 8'						
20												
REMARKS												
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.											Plate No.: 3-9	

TEST BORING LOG														
 GZA GeoEnvironmental, Inc. <i>Engineers and Scientists</i>				Ivy Realty Services, LLC Proposed Mixed-Use Development Plainsboro Township, NJ				EXPLORATION NO.: B-110 SHEET: 1 of 1 PROJECT NO.: 26.0092818.I00 REVIEWED BY: Cory Karinja						
Logged By: Jeremy Weremeichik Drilling Co.: Boring Brothers Driller: Mike/Terrance				Type of Rig: Track Rig Rig Model: CME-55 Drilling Method: Mud Rotary		Boring Location: See Plan Ground Surface Elev. (ft.): +83.0 Date Start - Finish: 1/12/2023 - 1/12/2023		Final Boring Depth (ft.): 13.5						
Hammer Type: Automatic Hammer Hammer Weight (lb.): 140 Auger or Casing O.D./I.D Dia (in.): 4.25/4						Groundwater Depth (ft.)								
Hammer Fall (in.): 30						Date 1/12/23	Time 	Water Depth NE	Stab. Time					
Sample														
Depth (ft)	No.	Depth (ft.)	Blows (per 6 in.)	SPT Value	Symbol	Sample Description and Identification					Depth (ft)			
											Water Content (%)			
											Remark			
5	S1	0-2	2 6 6 6	12		16" Topsoil								
					ML	Brown clayey silt, and fine to medium sand (moist)(stiff)								
	S2	2-4	6 6 7 9	13		Dusky red fine to medium sand, some silt (moist)(medium dense)								
					SM						5			
	S3	4-6	5 12 8 12	20										
					SM	Pale yellow fine to medium sand, little silt, trace fine gravel (moist)(dense)								
10	S4	6-8	14 14 16 18	30										
					SM						10			
15	S5	8-10	14 16 18 20	34										
					SM	- grading with sandstone fragments								
20	S6	10-12	12 20 50 50/3"	70		- auger refusal @ 13.5' on probable sandstone								
						End of exploration at 13.5 feet. Groundwater not encountered								
REMARKS														
See Log Key for exploration of sample description and identification procedures. Stratification lines represent approximate boundaries between soil and bedrock types. Actual transitions may be gradual. Water level readings have been made at the times and under the conditions stated. Fluctuations of groundwater may occur due to other factors than those present at the times the measurements were made.										Plate No.: 3-10				

**APPENDIX II – Summary of Laboratory Tube
Permeameter Permeability Test Results (2023)**

Summary of Laboratory Tube Permeameter Permeability Test Results

Ivy Realty Services, LLC - Plainsboro Township, New Jersey

26.0092818.00

Test Pit No.	Depth (ft)	Permeability Rate A (in/hr)	Permeability Rate B (in/hr)	USDA Visual Soil Classification
TP-101	2.5	<0.06	<0.06	Silty Clay
TP-101	6	1.8	3.3	Loamy Sand
TP-102	1.5	<0.06	<0.06	Clay Loam
TP-102	6.5	3.8	2.9	Loamy Sand
TP-103	2	<0.06	<0.06	Loam
TP-104	2	<0.06	<0.06	Clay
TP-104	6	1.0	3.3	Fine Sandy Loam
TP-105	1.5	<0.06	<0.06	Clay Loam
TP-105	6	<0.06	<0.06	Fine Sandy Loam
TP-106	2	<0.06	<0.06	Clay
TP-106	4.5	<0.06	<0.06	Silty Clay
TP-107	2	<0.06	<0.06	Silty Clay
TP-107	4	<0.06	<0.06	Silt Loam
TP-108	2.5	<0.06	<0.06	Sandy Clay
TP-108	6.5	5.9	7.0	Sandy Loam
TP-109	1.5	<0.06	<0.06	Clay Loam
TP-109	3.5	<0.06	<0.06	Silt Loam
TP-109	6	2.1	2.5	Sandy Loam
TP-110	4	<0.06	<0.06	Sandy Clay Loam
TP-110	6	1.0	1.1	Fine Sandy Loam
TP-111	2	<0.06	<0.06	Silty Clay
TP-111	4	<0.06	<0.06	Fine Sandy Loam
TP-111	6.5	1.2	0.63	Fine Sandy Loam
TP-112	1.5	<0.06	<0.06	Loam
TP-112	4.5	<0.06	<0.06	Sandy Clay
TP-113	2	<0.06	<0.06	Clay
TP-114	2	<0.06	<0.06	Loam
TP-114	4	0.81	0.50	Fine Sandy Loam
TP-115	2	<0.06	0.11	Loam
TP-115	4.5	<0.06	<0.06	Fine Sandy Loam
TP-115	8	9.1	10.2	Loamy Sand
TP-116	2	1.1	1.2	Sandy Loam
TP-116	5	0.07	0.09	Fine Sandy Loam
TP-117	1.5	<0.06	<0.06	Fine Sandy Loam
TP-117	3	<0.06	<0.06	Sandy Clay Loam
TP-118	2	<0.06	<0.06	Silt Loam
TP-118	4	<0.06	<0.06	Silty Clay Loam
TP-119	2	<0.06	<0.06	Clay Loam
TP-119	4	<0.06	<0.06	Silty Clay Loam
TP-120	1.5	<0.06	<0.06	Clay Loam

Summary of Laboratory Tube Permeameter Permeability Test Results

Ivy Realty Services, LLC - Plainsboro Township, New Jersey

26.0092818.00

Test Pit No.	Depth (ft)	Permeability Rate A (in/hr)	Permeability Rate B (in/hr)	USDA Visual Soil Classification
TP-120	4	2.8	4.5	Fine Sandy Loam
TP-120	7.5	<0.06	<0.06	Loamy Fine Sand
TP-121	2.5	<0.06	<0.06	Loam
TP-121	5	0.12	0.13	Fine Sandy Loam
TP-122	2	<0.06	<0.06	Clay Loam
TP-122	7.5	9.9	7.8	Sandy Loam
TP-123	2	<0.06	<0.06	Fine Sandy Loam
TP-123	4	1.5	1.6	Fine Sandy Loam
TP-124	2	<0.06	<0.06	Loam
TP-124	4	<0.06	<0.06	Silty Clay
TP-125	2.5	<0.06	<0.06	Sandy Clay
TP-125	5	<0.06	<0.06	Sandy Clay
TP-125	10	<0.06	<0.06	Silt Loam
TP-126	2	<0.06	<0.06	Loam
TP-126	4	0.11	0.11	Fine Sandy Loam
TP-126	7	4.3	4.3	Fine Sandy Loam
TP-126	10	1.3	1.4	Loamy Sand
TP-127	1.5	<0.06	<0.06	Loam
TP-127	4	1.1	1.1	Sandy Loam
TP-127	7.5	<0.06	<0.06	Sandy Clay
TP-128	2	<0.06	<0.06	Loam
TP-128	4.5	0.77	0.47	Fine Sandy Loam
TP-128	8	<0.06	<0.06	Loamy Fine Sand
TP-129	1.5	<0.06	<0.06	Loam
TP-129	3.5	<0.06	<0.06	Sandy Clay Loam
TP-130	1.5	<0.06	<0.06	Loam
TP-130	4	1.2	1.6	Loamy Sand
TP-131	2	<0.06	<0.06	Loam
TP-131	4.5	0.79	0.69	Fine Sandy Loam
TP-131	6	2.3	2.3	Sandy Loam
TP-132	1.5	<0.06	<0.06	Loam
TP-132	4.5	<0.06	0.11	Fine Sandy Loam

APPENDIX III - Limitations

APPENDIX III

Limitations

A. Subsurface Information

Locations: The locations and elevations of the explorations were surveyed and staked in the field by Van Note-Harvey, a licensed surveyor in the state of New Jersey. TP-271 was offset from its staked location and the elevation for the test pit was determined by interpolation between contours shown on topographic plans provided to us. The locations and elevations of the explorations should be considered accurate only to the degree implied by the method used.

Interface of Strata: The stratification lines shown on the individual logs of the subsurface explorations represent the approximate boundaries between soil types, and the transitions may be gradual.

Field Logs/Final Logs: A field log was prepared for each exploration by a member of our staff. The field log contains factual information and interpretation of the soil conditions between samples. Our recommendations are based on the final logs as shown in this report and the information contained therein, and not on the field logs. The final logs represent our interpretation of the contents of the field logs, and the results of the laboratory observations and/or tests of the field samples.

Water Levels: Water level readings have been made in the explorations at times and under conditions stated on the individual logs. These data have been reviewed and interpretations made in the text of this report. However, it must be noted that fluctuations in the level of the groundwater will occur due to variations in rainfall, temperature, and other factors.

Pollution/Contamination: Unless specifically indicated to the contrary in this report, the scope of our services was limited only to investigation and evaluation of the geotechnical aspects of the site conditions, and did not include any consideration of potential site pollution or contamination resulting from the presence of chemicals, metals, radioactive elements, etc. This report offers no facts or opinions related to potential pollution/contamination of the site.

Environmental Considerations: Unless specifically indicated to the contrary in this report, this report does not address environmental considerations which may affect the site development, e.g., wetlands determinations, flora and fauna, wildlife, etc. The findings and recommendations of this report are not intended to supersede any environmental conditions which should be reflected in the site planning.

B. Applicability of Report

This report has been prepared in accordance with generally accepted soils engineering practices for the exclusive use of Ivy Realty Services, LLC for specific application to the design of the proposed Fusion at Plainsboro mixed-use development. No other warranty, expressed or implied, is made.

This report may be referred to in the project specifications for general information purposes only, but should not be used as the technical specifications for the work, as it was prepared for design purposes exclusively.

C. Reinterpretation of Recommendations

Change in Location or Nature of Facilities: In the event that any changes in the nature, design or location of the stormwater facilities are planned, the findings contained in this report shall not be considered valid unless the changes are reviewed and findings of this report modified or verified in writing.

Changed Conditions During Construction: The findings submitted in this report are based in part upon the data obtained from 71 widely-spaced test pit excavations performed for this study and our review of 10 widely spaced test borings and 32 widely-spaced test pit excavations for a 2023 study. The nature and extent of variations between the explorations may not become evident until construction. If variations then appear evident, it will be necessary to reevaluate the recommendations of this report.

Changes in State-of-the-Art: The findings contained in this report are based upon the applicable standards of our profession at the time this report was prepared.

D. Use of Report by Prospective Bidders

This soil investigation report was prepared for the project by GZA GeoEnvironmental Inc. (GZA) for stormwater design purposes and may not be sufficient to prepare an accurate bid. Contractors utilizing the information in the report should do so with the express understanding that its scope was developed to address stormwater design considerations. Prospective bidders should obtain the owner's permission to perform whatever additional explorations or data gathering they deem necessary to prepare their bid accurately.

E. Construction Observation

We recommend that GZA be retained to provide on-site soils engineering services during the earthwork construction phase of the work. This is to observe compliance with the design concepts and to allow changes in the event that subsurface conditions differ from those anticipated prior to the start of construction.