

DEP Contract [Contract]
DEP Project: [Project Description]
Prepared By: [Consultant/Sub Name]

NYC Department of Environmental Protection
Bureau of Environmental Planning and Analysis -- Green Infrastructure
Borough of X, New York



Interim Geotechnical Report Summary Table for ROW GI Practices (Excluding Permeable Pavement) Submission # 2.01

GI ID No.	Soil Data (Laboratory Results or Historical Boring Soil Description)				Permeability Analysis			Groundwater Table Depth (ft)	Bedrock Depth (ft)	General Geotechnical Notes	Siting Analysis					Consultant Recommendation [Date]		
	Nearest Boring ID No.	Depth (ft)	USCS Symbol	% Passing No 200 Sieve	Nearest Permeability Test ID No.	Permeability Test Depth (ft)	Average Permeability Coef. (in/hr)				ROWGI Length (ft)	ROWGI Width(ft)	Calculated Stormwater Mgmt Capacity (CF)	Available Upstream Distance - Sited* (ft)	Minimum Required Upstream Distance** (ft)	Recommendation for Survey	Stone Column Depth (ft) , if applicable	Additional Notes
2017a	0921-31	0-0.5	Concrete		PT-2017a (1)	5	0.00											
		0.5-24	F-M Brown sand, trace silt, trace gravel (SP)			10	0.26	31.4	NE		13	5	825.54	16	173	Preliminary (For Survey)		
		24-51.5	Fine brown sand, trace silt (SP)		PT-2017a (2)	5	6.01											
2022a	B-2022a	5-7	SP-SM	5.5%	PT-2022a	5	0.23											
		7-9	SP-SM	6.4%		10	0.09	NE	NE		13	5	190.27	18	72	Preliminary (For Survey)	-	Hydraulically Connected to 2022b
		11-13	SP	2.7%														
		18-20	SP	4.2%														
2022b	B-2022a	5-7	SP-SM	5.5%	PT-2022a	5	0.23											
		7-9	SP-SM	6.4%		10	0.09	NE	NE		13	5	190.27	225	72	Preliminary (For Survey)	-	Hydraulically Connected to 2022a
		11-13	SP	2.7%														
		18-20	SP	4.2%														
2022c	B-2022c	5-7	SP	4.5%	PT-2022c	5	0.07											
		7-9	SP	1.9%		10	2.32	NE	NE	Organic clay was encountered at 9'	13	4	116.58	150	44	Rejected	-	
		11-13	SP	1.3%														
		18-20	SP	1.7%														
2199b	B-2199b	3-5	SP	3.5%	PT-2199b	3	1.29											
		5-7	SP	1.3%		6	2.61	8	NE	Shallow GWT was encountered at 8ft and shallow Geotechnical procedure was followed	13	5	311.09	30	109	Preliminary (For Survey)		ROWRG Recommended
		7-9	SP	2.9%														
2199c	B-2199b	3-5	SP	3.5%	PT-2199b	3	1.29											
		5-7	SP	1.3%		6	2.61	8	NE		13	5	311.09	170	109	Preliminary (For Survey)		ROWRG Recommended
		7-9	SP	2.9%														
IB2221a	B-IB2221a(1)	5-7	SP	1.5%	PT-IB2221a	5	0.28											
		7-9	SP	1.7%		10	1.47	NE	NE	Refusal at 9' in boring. Moved to offset location.	13	4	142.83	330	62	Preliminary (For Survey)	-	Clearance to building = 8 ft
	B-IB2221a(2)	11-13	SP	1.8%														Vault survey will be conducted
		18-20	SP	1.9%														HDPE recommended
2210a	B-2210a	5-7	SC	28.0%	PT-2210a	5	4.23											
		7-9	SP	1.9%		10	0.43	NE	NE		10	5	558.22	70	203	Preliminary (For Survey)	13	
		11-13	SP	3.3%														
		18-20	SP	2.2%														
2210b	B-2210b	5-7	SC	10.0%	PT-2110b(1)	5	0.00											
		7-9	SP	15.0%		10	2.82	NE	NE		11	5	110.61	100	40	Preliminary (Interim Rejection)		
		11-13	SP	3.1%	PT-2110b(2)	5	0.05											
		18-20	SP	2.5%														

2222a	B-2222a	5-7	SP	3.4%	PT-2222a	5	1.10									Preliminary (For Survey)	-	Clearance to building >10 ft
		7-9	SP	5.0%		10	0.18	NE	NE		10	5	219.13	120	96			Vault survey not necessary
		11-13	SP	2.3%														
		18-20	SP	1.0%														
2177a	B-2177a	5-7	SP	5.0%	PT-2177a(1)	5	RI									Preliminary (For Survey)		
		7-9	SP	1.2%		10	1.46	NE	NE		20	5	1212.13	25	472			
		11-13	SP	1.1%	PT-2177a(2)	5	5.40											
		18-20	SP	1.2%														
2177b	B-2177a	5-7	SP	5.0%	PT-2177a(1)	5	RI											
		7-9	SP	1.2%		10	1.46	NE	NE		20	5	1212.13	65	472	Reserved		
		11-13	SP	1.1%	PT-2177a(2)	5	5.40											
		18-20	SP	1.2%														
GS2216a	B-GS2216a	5-7	SM	21.8%	PT-GS2216a (1)	5	NP									Preliminary (Interim Rejection)		
		7-9	SP	1.4%		10	3.91	NE	NE	Refusal at 5' PT test both at original and offset location	13	3		40				
		11-13	SP	3.9%	PT-GS2216a (2)	5	NP											
		18-20	SP	3.5%														
GS2216b	B-GS2216a	5-7	SM	21.8%												Preliminary		Recommendation is to make GS2216b Preliminary, infer boring from GS2216a and PT Only
		7-9	SP	1.4%							13	3		140				
		11-13	SP	3.9%														
		18-20	SP	3.5%														

See 'Notes' for specific instructions on using template

*The distance between the inlet of the GI practice and either the inlet of an upstream GI practice or the top of the tributary area

**Minimum required length of upstream distance, D, determined by the following formula: $D = (12 * [\text{Calculated Stormwater Mgmt Capacity}]) / (1.1 * [\text{TDA width}])$

# of sites submitted:	Proceed	9
	Do not proceed/reject	3
	Pending	0
	Reserved	1
	Preliminary	1
		14

DEP Contract ID:
DEP Project:
Prepared By:

[Contract]
[Project Description]
[Consultant/Sub Name]

NYC Department of Environmental Protection
Bureau of Environmental Planning and Analysis -- Green Infrastructure
Borough of X, New York



Interim Geotechnical Report Summary Table for Permeable Pavement											Sub Area 2																								
Location	Soil Data (Laboratory Results or Historical Boring Soil Description)				Permeability Analysis			Groundwater Table Depth (ft)	Bedrock Depth (ft)	General Geotechnical Notes	PP ID No.	Recommendation for Survey	Consultant Recommendation [Date]					Approximate Street Slope (%)	DEP Recommendation [Date]																
	Nearby Boring ID No.	Depth (ft)	USCS Symbol	% Passing No 200 Sieve	Nearby Permeability Test ID No.	Permeability Test Depth (ft)	Average Permeability Coef. (in/hr)						Approximate ROW/PP Length with Storage	Relevant Boring ID(s) from Nearby Locations	Relevant Permeability Test ID(s) from Nearby	Stone Column Depth (ft), if applicable	Additional Notes		Recommendation for Survey	(Storage & Infiltration/Storage Only)	Approximate ROW/PP Length with Storage	Relevant Boring ID(s) from Nearby Locations	Relevant Permeability Test ID(s) from Nearby Locations	Stone Column Depth (ft), if applicable	Additional Notes	PP panel width (ft)									
64th Street between 15th Avenue and 16th Avenue					PT-GS2001A(1)	5	3.5609	NE	NE	PT-GS2001A(1) Refusal at 5.5' bgs	PP2001	Rejected									Rejected								Water Main Conflict						
					PT-GS2001A(2)	10	NP			PT-GS2001A(2) Refusal at 6' bgs																									
					PT-GS2001B(1)	5	0.6331	NE	NE	PT-GS2001B(1) Refusal at 6.5' bgs																									
					PT-GS2001B(2)	10	NP			PT-GS2001B(2) Refusal at 6' bgs																									
					PT-IB2001-1B	5	0.0111	NE	NE		PP2001-1	Rejected									Rejected								Water Main Conflict						
						10	0.0051																												
	B-IB2001-1C	5'-7'	CL-ML	61.6%	PT-IB2001-1C	5	0.0151	NE	NE	B-IB2001-1C refusal at 17' bgs																									
		7'-9'	GM	21.1%		10	0.0051			Sample 4 taken from 15'-17'																									
		11'-13'	SM	37.9%						Poor permeability at 5' and 10'																									
		15'-17'	SM	31.4%						High fines throughout																									
					PT-IB2001-1D	5	0.0740	NE	NE																										
						10	0.1008																												
	B-IB2001-1E	5'-7'	CL	92.91%	PT-IB2001-1E	5	0.0273	NE	NE	High fines 5'-9'																									
		7'-9'	CL	88.73%		10	0.0279																												
		11'-13'	SW-SM	8.93%																															
		18'-20'	SM	15.50%																															
B-2002B	5'-7'	SP-SM	10.38%	PT-2002B	5	0.5077	NE	NE	B-2002B refusal at 17' bgs	PP2002	Preliminary (For Survey)	2002B	245	70	B-2002B	PT-2002B		-0.10%	Preliminary (For Survey)	Storage & Infiltration	2002B	90	190					4							
	7'-9'	GM	12.51%		10	0.0864			Sample 4 not taken										Poor permeability at 10'	Preliminary (For Survey)	Storage	N/A	50												
	11'-13'	SM	15.82%																																
					PT-GS2002-1B	5	0.0158	NE	NE	Poor permeability at 5'	PP2002-1	Preliminary (Interim Rejection)									Preliminary (For Survey)	Storage	N/A	400				4							
					10	0.6825																													
					PT-2002-1D	5	0.0125	NE	NE	Poor permeability at 5' and 10'																									
					10	0.0108																													
					PT-IB2002-1E	5	0.0691	NE	NE	Poor permeability at 5' and 10'																									
					10	0.0057																													
B-IB2002-1F	5'-7'	ML	76.20%	PT-IB2002-1F	5	0.1347	NE	NE	Poor permeability at 10'																										
	7'-9'	GM	23.66%		10	0.0056			B-IB2002-1F refusal at 17' bgs																										
	11'-13'	SM	28.80%						Sample 4 taken from 15'-17'																										
	15'-17'	GM	20.65%						High fines 5'-7'																										
15th Avenue between 64th Street and 65th Street	B-IB2003A	5'-7'	SM	21.66%	PT-IB2003A	5	0.0214	NE	NE	Poor permeability at 5' and 10'	PP2003	Rejected									Preliminary (For Survey)	Storage & Infiltration	IB2003A	50	180				2						
		7'-9'	SP-SM	8.40%		10	0.0185																												
		11'-13'	SM	13.85%																															
		18'-20'	GM	17.30%																															
					PT-IB2003B	5	0.2333	NE	NE		PP2004	Preliminary (For Survey)	IB2004C	170	45	B-IB2004C	PT-IB2004C		-0.89%	Preliminary (For Survey)	Storage & Infiltration	IB2003A	50	180				4							
						10	0.9571																												
					PT-IB2004B	5	2.3771	NE	NE	Poor permeability at 10'																									
						10	0.1128																												
B-IB2004C	5'-7'	SP-SM	7.51%	PT-IB2004C	5	5.9115	NE	NE	B-IB2004C refusal at 15.5' bgs																										
	7'-9'	SW-SM	8.12%		10	0.1068			Sample 4 not taken																										
	11'-13'	GW-GM	9.14%						Poor permeability at 10'																										
				PT-IB2004D	5	0.2778	NE	NE																											
					10	0.0294																													
15th Avenue between 65th Street and 66th Street	B-2005A	5'-7'	SM	16.62%	PT-2005A	5	0.7199	NE	NE	B-2005A refusal at 18.5' bgs	PP2005	Rejected									Preliminary (For Survey)	Storage & Infiltration	2005A	35	60				2						
		7'-9'	SM	14.10%		10	0.0805			Sample 4 taken from 18'-18.5'																									
		11'-13'	GP-GM	9.52%						Poor permeability at 10'																									
		18'-18.5'	SW-SM	10.29%																															
					PT-2005B	5	4.9920	NE	NE																										
						10	1.1935																												
					PT-2005D	5	0.2295	NE	NE																										
						10	1.3446																												
					PT-IB2006A	5	0.2291	NE	NE		PP2006	Preliminary (For Survey)	2006C	135	70	B-2005C B-2006C	PT-2006C		-0.79%	Preliminary (For Survey)	Storage & Infiltration	2005A	35	60				4							
						10	NP			PT-IB2006A refusal at 6', not reattempted due to inspector error																									
				PT-IB2006B	5	0.1045	NE	NE	Poor permeability at 5'																										
					10	0.8634																													
B-2006C	5'-7'	CL-ML	70.70%	PT-2006C	5	0.3965	NE	NE	Sample 2 taken from 9'-11'																										
	9'-11'	SM	13.33%		10	12.4876			High fines 5'-7'																										
	11'-13'	SW-SM	10.07%																																
	18'-20'	SM	12.14%																																



Interim Geotechnical Report Summary Table for Permeable Pavement											Sub Area 2																				
Location	Soil Data (Laboratory Results or Historical Boring Soil Description)				Permeability Analysis			Groundwater Table Depth (ft)	Bedrock Depth (ft)	General Geotechnical Notes	PP ID No.	Recommendation for Survey	Consultant Recommendation [Date]						Approximate Street Slope (%)	DEP Recommendation [Date]											
	Nearby Boring ID No.	Depth (ft)	USCS Symbol	% Passing No 200 Sieve	Nearby Permeability Test ID No.	Permeability Test Depth (ft)	Average Permeability Coef. (in/hr)						Reference ID/Point	Approximate ROW/PP Length with Storage Distance Downstream of Reference (ft)	Approximate ROW/PP Length with Storage Distance Upstream of Reference (ft)	Relevant Boring ID(s) from Nearby Locations	Relevant Permeability Test ID(s) from Nearby	Stone Column Depth (ft), if applicable		Additional Notes	Recommendation for Survey	(Storage & Infiltration/Storage Only)	Reference ID/Point	Approximate ROW/PP Length with Storage Distance Downstream of Reference (ft)	Approximate ROW/PP Length with Storage Distance Upstream of Reference (ft)	Relevant Boring ID(s) from Nearby Locations	Relevant Permeability Test ID(s) from Nearby Locations	Stone Column Depth (ft), if applicable	Additional Notes	PP panel width (ft)	
15th Avenue between 66th Street and 67th Street											PP2010										Rejected							Sewer Main Conflict			
											PP2011										Rejected							Subway Route Conflict			
66th Street between 15th Avenue and Duryea Court	B-2012B	5'-7' 7'-9' 11'-13' 18'-20'	SM SP-SM SW-SM SW-SM	33.50% 5.41% 11.88% 11.74%	PT-2012B	5 10	0.0097 0.9818	NE	NE	Poor permeability at 5'	PP2012	Rejected										Preliminary (Interim Rejection)							Surrounding area mostly has Low PT at 5' or Clay		
					PT-2012D	5 10	0.8842 1.7160	NE	NE																						
					PT-IB2012E	5 10	0.2610 0.0574	NE	NE	Poor permeability at 10'																					
											PP2012-1											Preliminary (Interim Rejection)						Surrounding area mostly has Low PT at 5' or Clay			
	B-IB2013A	5'-7' 7'-9' 11'-13' 13'-15'	SW-SM SP-SM SP-SM SM	8.96% 6.13% 7.99% 12.56%	PT-IB2013A	5 10	0.0125 0.1337	NE	NE	Poor permeability at 5' B-IB2013A refusal at 15' bgs Sample 4 taken from 13'-15'	PP2013	Preliminary (For Survey)	IB2013A	100	105	B-IB2013A	PT-IB2013A				-0.12%	Preliminary (Interim Rejection)						Surrounding area mostly has Low PT at 5' or Clay			
					PT-2013-1A	5 10	0.1607 0.0064	NE	NE	Poor permeability at 10'	PP2013-1	Preliminary (For Survey)																Surrounding area mostly has Low PT at 5' or Clay			
	B-2013-1C	5'-7' 7'-9' 11'-13' 18'-20'	SC-SM SP-SM SM GP-GM	46.94% 6.03% 16.88% 10.21%	PT-2013-1C	5 10	0.6096 0.1022	NE	NE	Poor permeability at 10' High fines 5'-7'			2013-1C	50	115	B-2013-1C	PT-2030-1C				-0.13%	Preliminary (Interim Rejection)							Surrounding area mostly has Low PT at 5' or Clay		
	66th Street between Duryea Court and 16th Avenue					PT-IB2027A	5 10	2.1237 0.2830	NE	NE	Infer boring data from 2028B B-2028B refusal at 18.5' bgs Sample 4 from 18'-18.5'	PP2027	Rejected										Rejected							Water Main Conflict	
		B-2028B	5'-7' 7'-9' 11'-13' 18'-18.5'	SM SM SM SM	18.64% 15.90% 16.26% 13.88%	PT-2028B	5 10	0.8702 0.1360	NE	NE	B-2028B refusal at 18.5' bgs Sample 4 from 18'-18.5'	PP2028	Preliminary (For Survey)																Surrounding area mostly has Low PT at 5' or Clay		
						PT-2028D	5 10	0.0128 0.0271	NE	NE	Poor permeability at 5' and 10'			2028B	215	55	B-2028B	PT-2028B				0.65%	Preliminary (Interim Rejection)								
B-2028E		5'-7' 7'-9' 11'-13' 18'-19'	CL-ML SC-SM SC-SM SM	81.26% 42.78% 41.60% 35.75%	PT-2028E	5 10	0.0161 1.5549	NE	NE	B-2028E refusal at 19' bgs Sample 4 taken from 18'-19' Poor permeability at 5' High fines throughout																					
Duryea Court between 66th Street and 67th Street	B-IB2014A	5'-7' 7'-9' 11'-13' 18'-20'	SM SW-SM SM SM	22.48% 9.76% 12.72% 14.64%	PT-IB2014A	5 10	0.0585 0.2739	NE	NE	Poor permeability at 5'	PP2014	Rejected										Preliminary (Interim Rejection)						Silt and Clay above 5' and Low PT			
	B-IB2015A	5'-7' 7'-9' 11'-13' 15'-16'	SM SM SM SP-SM	14.78% 12.97% 16.09% 8.61%	PT-IB2015A	5 10	1.8835 0.3265	NE	NE	B-IB2015A refusal at 16' bgs Sample 4 taken from 15'-16'	PP2015	Preliminary (For Survey)	IB2015A	220	110	B-IB2015A	PT-IB2015A				0.75%	Preliminary (Interim Rejection)						Silt and Clay above 5' and Low PT			
67th St between New Utrecht Avenue and 16th Avenue					PT-IB2048A	5 10	0.1632 0.0729	NE	NE	Low permeability at 10'	PP2048	Rejected										Rejected							Water Main Conflict		
	B-2048C	5'-7' 7'-9' 11'-13' 18'-20'	SW-SM SM SW-SM SW-SM	9.08% 13.19% 11.10% 8.02%	PT-2048C	5 10	0.3919 0.0476	NE	NE	Low permeability at 10'																					
	B-GS2016A	5'-7' 7'-9' 11'-13' 17'-18'	ML SM SM SM	56.13% 29.28% 30.86% 20.29%	PT-GS2016A	5 10	0.0058 0.0224	NE	NE	B-GS2016A refusal at 18' bgs Sample 4 taken from 17'-18' Poor permeability at 5' and 10' High fines 5'-7'																	Surrounding area mostly has silt and clay above 7' and Low PT at 5'				
	B-IB2016C	5'-7' 7'-9' 11'-13' 18'-20'	SM ML SM SM	27.39% 56.24% 27.79% 24.14%	PT-IB2016C	5 10	2.0675 0.0131	NE	NE	Poor permeability at 10' High fines 7'-9'	PP2016	Rejected																			
	B-GS2017B	5'-7' 7'-9' 11'-13' 17'-18'	CL-ML GM SM SM	82.20% 18.44% 17.45% 17.08%	PT-GS2017B	5 10	0.2760 0.0000	NE	NE	B-GS2017B refusal at 18' bgs Sample 4 taken from 17'-18' Poor permeability at 10' High fines 5'-7'	PP2017	Preliminary (Interim Rejection)														Surrounding area mostly has silt and clay above 7' and Low PT at 5'					
15th Avenue between 67th Street and Ovington Avenue	B-1095C	5'-7' 7'-9' 11'-13' 18'-20'	SC-SM SM SM SP-SM	18.4% 20.1% 12.2% 5.9%	PT-1095C	5 10	2.0586 0.0453	NE	NE	Poor permeability at 10'	PP1095	Rejected																			
	B-2019A	5'-7' 7'-9' 11'-13' 18'-20'	SC-SM SM SM SM	14.06% 15.45% 13.06% 24.02%	PT-2019A	5 10	2.2835 0.1085	NE	NE	Poor permeability at 10'	PP2019	Preliminary (For Survey)																B-2019A and B-2019B have silt above 5'			
	B-2019B	5'-7' 7'-9' 11'-13' 15'-17'	CL-ML SP SM SM	53.21% 2.05% 12.15% 18.41%	PT-2019B	5 10	1.7836 0.2011	NE	NE	B-2019B refusal at 17' bgs Sample 4 taken from 15'-17' High fines 5'-7'			2019B	150	65	B-2019A	PT-2019B				0.54%	Preliminary (Interim Rejection)									
					PT-2019D	5 10	3.0804 0.0295	NE	NE																						

DEP Contract ID:
DEP Project:
Prepared By:

[Contract]
[Project Description]
[Consultant/Sub Name]

NYC Department of Environmental Protection
Bureau of Environmental Planning and Analysis – Green Infrastructure
Borough of X, New York



Interim Geotechnical Report Summary Table for Permeable Pavement											Sub Area 2																							
Location	Soil Data (Laboratory Results or Historical Boring Soil Description)				Permeability Analysis				Groundwater Table Depth (ft)	Bedrock Depth (ft)	General Geotechnical Notes	PP ID No.	Recommendation for Survey	Consultant Recommendation [Date]				Approximate Street Slope (%)	DEP Recommendation [Date]															
	Nearby Boring ID No.	Depth (ft)	USCS Symbol	% Passing No 200 Sieve	Nearby Permeability Test ID No.	Permeability Test Depth (ft)	Average Permeability Coef. (in/hr)	Approximate ROW/PP Length with Storage						Relevant Boring ID(s) from Nearby Locations	Relevant Permeability Test ID(s) from Nearby	Stone Column Depth (ft), if applicable	Additional Notes		Recommendation for Survey	(Storage & Infiltration/Storage Only)	Approximate ROW/PP Length with Storage		Relevant Boring ID(s) from Nearby Locations	Relevant Permeability Test ID(s) from Nearby Locations	Stone Column Depth (ft), if applicable	Additional Notes	PP panel width (ft)							
New Utrecht Avenue between 68th Street and Ovington Avenue											PP2021									Rejected								Subway Route Conflict						
											PP2018									Rejected								Subway Route Conflict						
											PP2020.2									Rejected								Subway Route Conflict						
Ovington Avenue between 15th Avenue and New Utrecht Avenue	B-3045B	3'-5' 5'-7'	SM SW-SM	16.00% 11.90%	PT-3045B	3 6	0.021 0.591	NE	NE	Low permeability at 3'	PP3045			3045B	68	50	B-3045B	PT-3045B			-16.83%													
					PT-IB2020A(1)	5 10	0.252 0.000	NE	NE	Poor permeability at 10'	PP2020.1									Preliminary (Interim Rejection)								Low PT at 3ft						
					PT-IB2020A(2)	10	0.082																											
Ovington avenue between New Utrecht avenue and 16th Avenue	B-3048A	3'-5' 5'-7'	SW-SM SW-SM	10.20% 7.10%	PT-3048A	3 6	6.839 0.063	NE	NE	Low permeability at 6'	PP3048			GS3048C	70	420	B-GS3048C	PT-GS3048C			5.55%													
	B-GS3048C	3'-5' 5'-7'	SP SP-SM	4.50% 7.80%	PT-GS3048C	3 6	3.432 0.679	NE	NE																									
	B-GS2022A	5'-7' 7'-9' 11'-13' 17'-18'	SM SP-SM SP-SM SM	18.02% 8.97% 9.65% 19.17%	PT-GS2022A	5 10	0.671 0.398	NE	NE	B-GS2022A refusal at 18' bgs Sample 4 taken from 17'-18'																								
					PT-IB2022B	5 10	2.629 0.081	NE	NE	Poor permeability at 10'	PP2022									Rejected								Due to Water Main Conflict						
					PT-GS2022C	5 10	0.619 1.216	NE	NE																									
	16th Avenue and 67th Street and 68th Street											PP2023														B-GS2017B	PT-GS2017B		Surrounding area has silt and clay above 7'					
											PP2024														B-IB2047B	PT-IB2047B		Surrounding area has silt and clay above 7'						
16th Avenue between 66th Street and 67th Street											PP2025																	Water Main Conflict						
	B-2026A	5'-7' 7'-9' 11'-13' 18'-20'	SP-SM SM SW-SM GW-GM	9.37% 15.84% 6.60% 8.89%	PT-2026A	5 10	0.5234 0.3650	NE	NE		PP2026	Preliminary (For Survey)	2026A	76	245	B-2026A	PT-2026A				0.75%	Preliminary (For Survey)	Storage	N/A	110					4				
65th Street between 16th Avenue and 17th Avenue	B-2030-1A	5'-7' 7'-9' 11'-13' 18'-20'	GM GP-GM SM SM	17.15% 11.28% 26.01% 14.02%	PT-2030-1A	5 10	0.0458 NP	NE	NE	PT-2030-1A refusal at 6.5', not reattempted Poor permeability at 5'	PP2030-1 GKOH15-04	Rejected									Rejected													
	B-IB2030-1B	5'-7' 7'-9' 11'-13' 18'-20'	GM GM GM GM	38.67% 14.75% 18.06% 13.20%	PT-IB2030-1B	5 10	0.0176 0.1502	NE	NE	Poor permeability at 5' B-IB2030-1B no recovery at 9'-11' Sample 3 taken from 11'-13'																								
	B-2030-1C	5'-7' 7'-9' 11'-13' 15'-16'	CL-ML SM GM SM	55.68% 30.02% 14.00% 17.07%	PT-2030-1C	5 10	0.0239 0.3557	NE	NE	B-2030-1C refusal at 16' bgs Sample 4 taken from 15'-16' High fines 5'-7' Poor permeability at 5'																								
					PT-3105A(1) PT-3105A(1)	5 10	0.0000 0.0690	NE	NE	5' PT attempt had no infiltration; offset completed.	PP3105 GKOH15-03																							
					PT-3105A(2) PT-3105A(2)	5 10	2.5384 NP																											
	B-3105B(1)	5'-7' 7'-9' 11'-13' 18'-20'	SM/SC SM/SC SP-SM/SC SW-SM/SC	30.27% 42.93% 10.04% 7.76%	PT-3105B(1)	5 10	0.1444 0.7363	NE	NE																									
					PT-3105C(1) PT-3105C(1)	5 10	0.4405 1.0507	NE	NE																									
	B-3105E(1)	5'-7' 7'-9' 11'-13' 18'-20'	SM/SC SW-SM/SC SM/SC SP-SM/SC	17.21% 9.96% 15.65% 10.49%	PT-3105E(1) PT-3105E(1)	5 10	0.0424 0.6456	NE	NE																									
	B-3105G(1)	5'-7' 7'-9'	SM/SC GP-GM/GC	15.27% 11.11%	PT-3105G(1) PT-3105G(1)	5 10	0.0000 0.1092	NE	NE																					SB terminated at 15' due to refusal				
		11'-13'	SM/SC	14.33%	PT-3105G(2) PT-3105G(2)	5 10	0.0721 NP																							First 5' PT attempt had no infiltration; offset completed.				
	B-3105H(1)	5'-7' 7'-9' 11'-13' 18'-20'	GM/GC SW-SM/SC SM/SC SM/SC	16.40% 9.84% 14.61% 18.33%	PT-3105H(1) PT-3105H(1)	5 10	0.2488 0.0264	NE	NE																									



Location	Soil Data (Laboratory Results or Historical Boring Soil Description)				Permeability Analysis				Bedrock Depth (ft)	General Geotechnical Notes	PP ID No.	Recommendation for Survey	Consultant Recommendation [Date]						Approximate Street Slope (%)	DEP Recommendation [Date]											
	Nearby Boring ID No.	Depth (ft)	USCS Symbol	% Passing No 200 Sieve	Nearby Permeability Test ID No.	Permeability Test Depth (ft)	Average Permeability Coef. (in/hr)	Groundwater Table Depth (ft)					Approximate ROW/PP Length with Storage			Relevant Boring ID(s) from Nearby Locations	Relevant Permeability Test ID(s) from Nearby	Stone Column Depth (ft), if applicable		Additional Notes	Recommendation for Survey	(Storage & Infiltration/Storage Only)	Approximate ROW/PP Length with Storage			Relevant Boring ID(s) from Nearby Locations	Relevant Permeability Test ID(s) from Nearby Locations	Stone Column Depth (ft), if applicable	Additional Notes	PP panel width (ft)	
													Reference ID/Point	Distance Downstream of Reference (ft)	Distance Upstream of Reference (ft)								Reference ID/Point	Distance Downstream of Reference (ft)	Distance Upstream of Reference (ft)						
17th Avenue between 65th Street and 66th Street	B-IB2032A	5'-7'	SM	12.44%	PT-IB2032A	5	3.5434	NE	NE	B-IB2032A refusal at 16' bgs Sample 4 not taken	PP2032	Rejected									Rejected							Water Main Conflict			
		7'-9'	GP-GM	8.42%		10	3.8867																								
		11'-13'	GP	0.00%																											
	B-2055AA	5'-7'	SM	34.16%	PT-2055AA	5	1.3559	NE	NE	B-2055AA refusal at 15' bgs Sample 4 taken from 13'-15'	PP2055	Rejected									Rejected							Sewer Main Conflict			
		7'-9'	GM	24.30%		10	0.1463																								
		11'-13'	SM	39.31%																											
	13'-15'	CL-ML	53.34%																												
					PT-2055A	5	0.0503	NE	NE	Low permeability at 5'																					
						10	0.1515																								
66th Street between Wallaston Court and 17th Avenue	B-2033-2A	5'-7'	SM	25.20%	PT-2033-2A	5	0.0210	NE	NE	Poor permeability at 5' and 10'	PP2033-2	Preliminary (Interim Rejection)									Rejected								Water Main Conflict		
		7'-9'	GP-GM	10.81%		10	0.0477																								
		11'-13'	SM	20.25%																											
	B-2033-2E	5'-7'	GW-GM	8.70%	PT-2033-2E(1)	5	NP	NE	NE	Poor permeability at 10'																					
		7'-9'	GP-GM	6.62%		10	NP																								
		11'-13'	GW-GM	7.78%	PT-2033-2E(2)	5	0.1678																								
		15'-16.5'	GP-GM	10.49%		10	0.1165																								
					PT-2038B	5	0.7520																								
					10	0.0347																									
66th Street between Cameron Court and Wallaston Court	B-2033-1A	5'-7'	SM	33.22%	PT-2033-1A	5	0.1962	NE	NE	Poor permeability at 10'	PP2033-1	Rejected									Rejected								Water Main Conflict		
		7'-9'	SM	18.59%		10	0.0592																								
		11'-13'	SM	27.05%																											
		15'-17'	SM	12.27%																											
											PP2037										Preliminary (For Survey)	Storage & Infiltration	2033-1A	120	55					4	
66 Street between Ovington Ct and Cameron Ct											PP2033										Rejected								Water Main Conflict		
	B-2036B	5'-7'	SW-SM	7.27%	PT-2036B	5	0.8406	NE	NE		PP2036	Preliminary (For Survey)	2036B	120	20	B-2036B	PT-2036A PT-2036B			1.94%	Preliminary (For Survey)	Storage & Infiltration	2036B	100	75				4		
		7'-9'	SW-SM	7.14%		10	0.2653																								
		11'-13'	GP-GM	10.45%																											
		18'-20'	SP-SM	7.43%																											
66 Street between 16th avenue and Ovington Ct	B-2034B	5'-7'	GP-GM	10.06%	PT-2034B	5	0.5818	NE	NE	B-2034B Refusal at 15.5' due to dense gravelly sand	PP2034										Rejected								Water Main Conflict		
		7'-9'	SM	16.48%		10	NP																								
		11'-13'	SM	14.43%																											

DEP Contract ID:
DEP Project:
Prepared By:

[Contract]
[Project Description]
[Consultant/Sub Name]

NYC Department of Environmental Protection
Bureau of Environmental Planning and Analysis – Green Infrastructure
Borough of X, New York



Interim Geotechnical Report Summary Table for Permeable Pavement											Sub Area 2																													
Location	Soil Data (Laboratory Results or Historical Boring Soil Description)				Permeability Analysis				Groundwater Table Depth (ft)	Bedrock Depth (ft)	General Geotechnical Notes	PP ID No.	Protection								Approximate Street Slope (%)	DEP Recommendation [Date]																		
	Nearby Boring ID No.	Depth (ft)	USCS Symbol	% Passing No 200 Sieve	Nearby Permeability Test ID No.	Permeability Test Depth (ft)	Average Permeability Coef. (in/hr)	Consultant Recommendation [Date]					Relevant Boring ID(s) from Nearby Locations	Relevant Permeability Test ID(s) from Nearby	Stone Column Depth (ft), if applicable	Additional Notes	Recommendation for Survey	Storage & Infiltration/Storage Only	Approximate ROW/PP Length with Storage			Relevant Boring ID(s) from Nearby Locations	Relevant Permeability Test ID(s) from Nearby Locations	Stone Column Depth (ft), if applicable	Additional Notes	PP panel width (ft)														
								Reference ID/Point											Distance Downstream of Reference (ft)	Distance Upstream of Reference (ft)							Reference ID/Point	Distance Downstream of Reference (ft)	Distance Upstream of Reference (ft)											
Cameron Ct between 66th Street and 67th Street	B-IB2044A	5'-7'	GM	16.49%	PT-IB2044A	5	0.7213	NE	NE	Low permeability at 10'	PP2043	Preliminary (For Survey)	IB2044A	25	250	B-IB2044A	PT-IB2044A PT-IB2044B			-0.91%	Preliminary (For Survey)	Storage & Infiltration	IB2044A	30	150					4										
		7'-9'	SW-SM	9.97%		10	0.0144																																	
		11'-13'	SM	13.93%																																				
		18'-20'	SW-SM	10.91%																																				
					PT-IB2044B	5	0.0922	NE	NE	Low permeability at 5'	PP2044										Preliminary (For Survey)	Storage & Infiltration	IB2044A	30	150					2										
						10	0.3487																																	
Ovington Ct between 66th Street and 67th Street	B-IB2045B	5'-7'	SM	15.34%	PT-IB2045B	5	0.7722	NE	NE	18'-20' sample contains small fragments of plastic	PP2045	Preliminary (For Survey)	IB2045B	50	250	B-IB2045B	PT-IB2045B PT-IB2046A			-0.06%	Preliminary (For Survey)	Storage & Infiltration	IB2045B	60	150					4										
		7'-9'	SM	12.40%		10	0.9709																																	
		11'-13'	GP-GM	11.02%																																				
		18'-20'	SW-SM	8.37%																																				
						PT-IB2046A	5	0.6404	NE	NE		PP2046										Rejected								Water Main Conflict										
67th St between 17th Avenue and 16th Avenue	B-IB2047B	5'-7'	CL	75.60%	PT-IB2047B	5	0.3628	NE	NE	High fines from 5'-7'	PP2047	Rejected										Rejected								Water Main Conflict										
		7'-9'	SM	31.73%		10	0.0063			Low permeability at 10'																				Water Main Conflict										
		11'-13'	GM	17.81%																									Water Main Conflict											
		18'-20'	SP-SM	10.64%																									Water Main Conflict											
																													Water Main Conflict											
																													Water Main Conflict											
																													Water Main Conflict											
																													Water Main Conflict											
																													Water Main Conflict											
																													Water Main Conflict											
																												Water Main Conflict												
17th Avenue between 67 Street and 68 Street											PP2050											Rejected								Sewer Main Conflict										
											PP2062												Rejected							Sewer Main Conflict										

