

PZ22-12000041

12/20/2023

REPORT:

**SOIL PERMEABILITY TEST
S.F.W.M.D./D.O.T PERCOLATION EXFILTRATION
USUAL CONDITION TEST METHOD**

CLIENT: 2233 Atlantic Ave LLC

PROJECT: Percolation Testing

DATE: 6/5/2023

PROJECT LOCATION: 2233 East Atlantic Blvd, Pompano Beach FL

TEST NO: P-1

TEST LOCATION: 42' west of E Boundary; 50' south of N Boundary

W.O. NO: 23-1263

REPORTED TO: 2233 Atlantic Ave LLC

Attention: Mr. Gabriel Boano

1111 Kane Concourse Suite 517

Bay Harbor, FL 33154

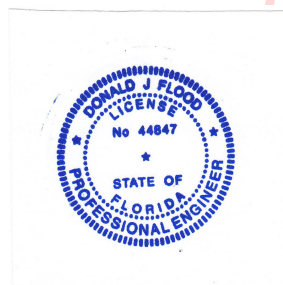
Permeability test was performed by drilling the test hole to a depth of fifteen feet (15'). At this depth, water was added to the test hole at an average stabilized rate of 2.45 gallon per minute (gpm) for a period of 10 minutes in order to maintain a constant head at the ground surface level. The Hydraulic Conductivity was calculated as follows:

$$H = \text{Depth to Groundwater Level: } 4.5 \text{ Ft}$$
$$d = \text{Diameter of Test Hole: } 8 \text{ Inches}$$
$$K = \text{Hydraulic Conductivity} = \frac{4Q}{\pi d(2H^2 + 4HDs + dH)} \times \frac{1}{448.8} \text{ (Conversion Factor gpm to cfs)}$$

Depth of Test Hole	Saturated Depth (Ds)	Stabilized Flow Rate (Q)	Hydraulic Conductivity (K)
15.0 Ft	10.5 Ft	2.36 Gal/Min	4.31E-05 cfs/ft ² per foot of head

SUBSURFACE PROFILE :

Depth	Soil Description
0' - 2'	Gray silica sand
2' - 6'	Tan silica sand
6' - 15'	Gray silica sand



Digitally signed by
Donald J Flood
Date: 2023.06.09
15:34:38 -04'00'

Field Technician: JC/ET

Respectfully Submitted,
WINGERTER LABORATORIES, INC.

DRC

SOIL PERMEABILITY TEST LOCATION MAP

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■ Testing Location



Professional Engineering & Testing

1120 E. 144th Street, North Miami, Florida 33181

Client: 2233 Atlantic Ave LLC
Project: Percolation Testing
Location: 2233 East Atlantic Boulevard
Pompano Beach, FL 33062

WLI W.O. #23-1263

DRC

DRC

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09/20/2023

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07/19/2023