

DRC

WINGERTER LABORATORIES, INC.

Engineering Testing & Inspection Services
1820 N.E. 144th Street, North Miami, Florida 33181
Phone: (305) 944-3401 Fax: (305) 949-8698

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PZ22-12000041

12/20/2023

PZ22-12000041

07/03/2024

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

PROJECT LOCATION:

2233 East Atlantic Blvd, Pompano Beach FL

TEST LOCATION:

42' west of E Boundary; 50' south of N Boundary

REPORTED TO:

2233 Atlantic Ave LLC

Attention: Mr. Gabriel Boano

1111 Kane Concourse Suite 517

Bay Harbor, FL 33154

DATE: 6/5/2023

TEST NO: P-1

W.O. NO: 23-1263

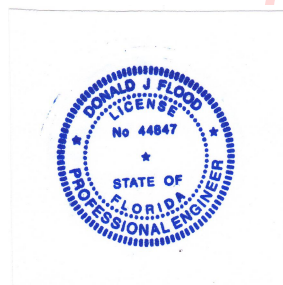
Permeability test was performed by drilling the test hole to a depth of fifteen feet (15'). At this depth, water was added to the test hole at an average stabilized rate of 2.45 gallon per minute (gpm) for a period of 10 minutes in order to maintain a constant head at the ground surface level. The Hydraulic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

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

| 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.

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09/20/2023

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Donald J. Flood, Jr., P.E.
Florida Registration No. 44847

PZ22-12000041

07/19/2023

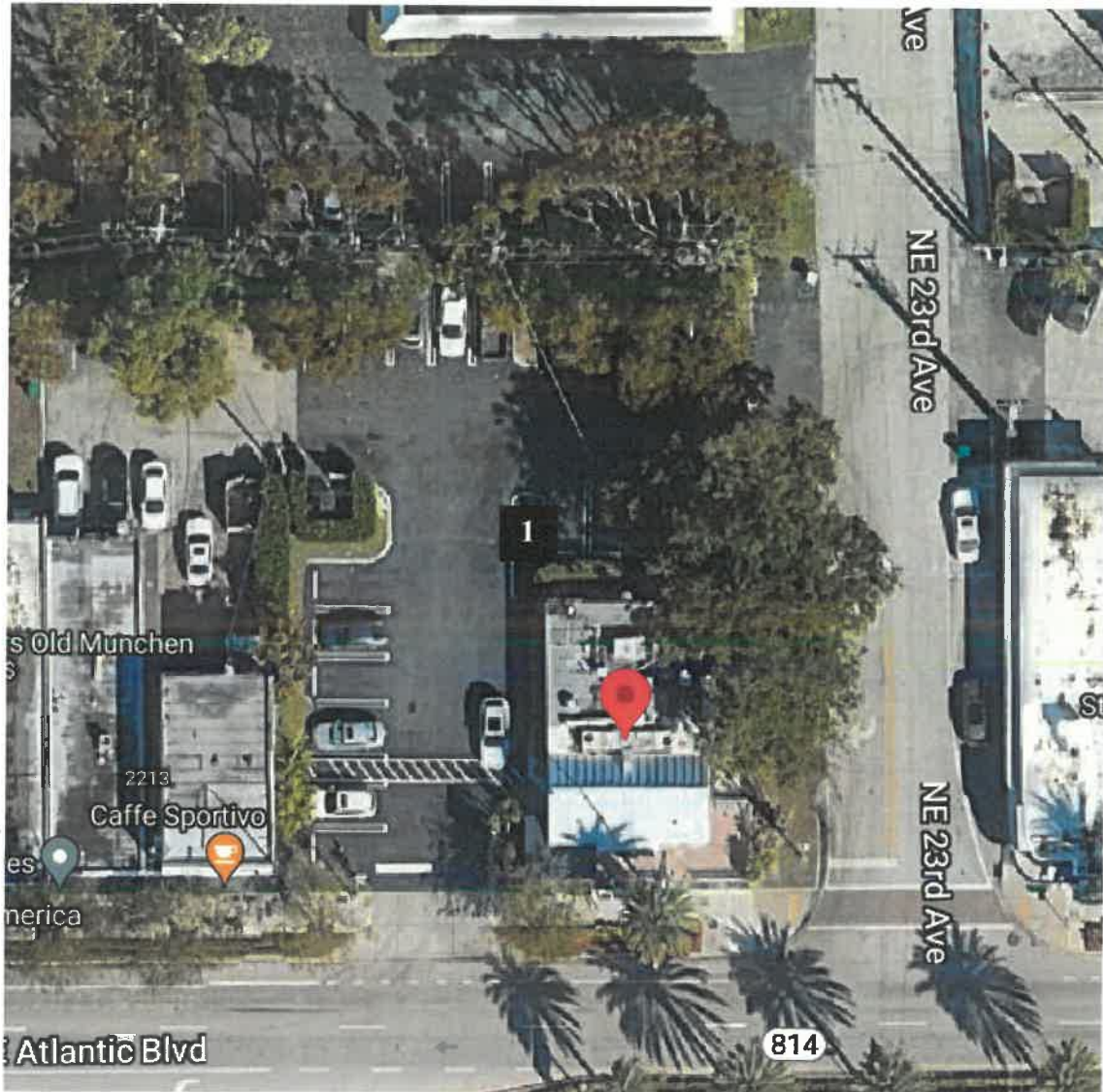
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SOIL PERMEABILITY TEST LOCATION MAP

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12/20/2023

PZ22-12000041
07/03/2024



■ 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

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