



CVIII ENGINEERING GROUP, INC.

GEOTECHNICAL, STRUCTURAL & TRANSPORTATION ENGINEERING

PERCOLATION TEST REPORT

(USUAL OPEN HOLE TEST - CONSTANT HEAD)

CLIENT: PACHECO ARCHITECTURE

4990 SW 72ND AVENUE, SUITE 101

MIAMI, FL 33155

DATE: FEBRUARY 24, 2022

ORDER#: 22-0228

PERC#: P1

PROJECT NAME: PROPOSED DRAINAGE DESIGN

PROJECT LOCATION: 8965 SW 63RD COURT, PINECREST, FL 33156

CALCULATION OF HYDRAULIC CONDUCTIVITY (K-VALUE)

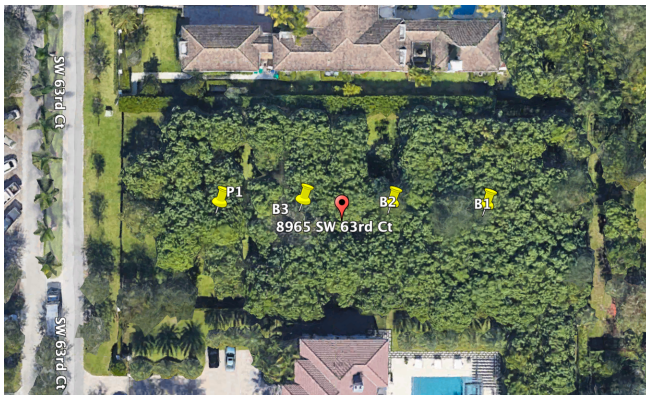
ELAPSED TIME (MIN)	WATER (GAL)	WATER TABLE (FT)	FIELD DATA INFO & PARAMETERS:	
0	0.0	8.00	TOTAL DEPTH BORE HOLE (FT)	15.00
1	7.0	8.00	HOLE DIAMETER OR PERFORATED CASING DIAMETER (FT)	0.50
2	7.0	8.00	DEPTH OF WATER TABLE BELOW GROUND SURFACE (FT)	8.00
3	7.0	8.00	SATURATED HOLE DEPTH (FT)	7.00
4	7.0	8.00	AVERAGE FLOW RATE AT CONSTANT DEPTH (GAL/MIN)	7.00
5	7.0	8.00	BORE HOLE PURGED	YES
6	7.0	8.00	EFFECTIVE CONSTANT HEAD DURING PUMP (FT ABOVE W.T)	8.00
7	7.0	8.00	STABILIZED FLOW RATE AT CONSTANT HEAD (CFS)	0.0156
8	7.0	8.00	K-VALUE 1.11578E-04 CFS/FT ² - FT OF HEAD	
9	7.0	8.00		
10	7.0	0.00		

SUB-SURFACE INVESTIGATION

DEPTH BELOW GROUND SURFACE	SOIL DESCRIPTION
0'0" TO 0'2"	TOPSOIL
0'2" TO 1'0"	BROWN SAND
1'0" TO 15'0"	SOFT SANDY LIMESTONE

REMARKS: THE ABOVE TEST WAS PERFORMED AND CALCULATED AS PRESENTED IN THE MANUAL "DESIGN OF EXFILTRATION TRENCH TO MEET SFWMD REGULATORY CRITERIA & FDOT CRITERIA"

PERC TEST LOCATION SITE PLAN



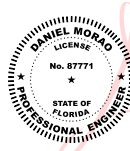
RESPECTFULLY SUBMITTED,

CVIII ENGINEERING GROUP, INC.

DANIEL MORAO, P.E.

PROFESSIONAL ENGINEER NO. 87771

STATE OF FLORIDA



Digitally signed
by Daniel Morao
Date: 2022.02.28
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version:
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RAW DATA CALCULATION TABLE

DEEP OF WATER TABLE (H2)	(H2)	8.00
SATURATED HOLE DEPTH (DS)	(DS)	7.00
DIAMETER OF TEST HOLE (D)	(D)	0.50
STABILIZED FLOW RATE (CFS)	SFR-(CFS)	0.0156
FORMULA	A	0.062393333
FORMULA	B	1.570759633
FORMULA	C	356
FORMULA	D	0.039721758
FORMULA = A/(B*C)	K	0.000111578
FORMULA = (D)/(C)	K - CHECK	0.000111578