



**CURTIS PARK – 1901 NW 24TH AVENUE
 CITY OF MIAMI - CAPITAL IMPROVEMENTS AND
 TRANSPORTATION PROGRAMS
 MIAMI-DADE COUNTY, FLORIDA**

HRES
 HR Engineering Services, Inc.

Curtis Park – Percolation Test Locations Map

DRAWN BY : JPV	DATE: 06/12/15
Project No: HR15-1056R	SCALE: NTS

**SUMMARY OF AUGER BORING RECORDS
CURTIS PARK - 1901 NW 24TH AVENUE
CITY OF MIAMI
CAPITAL IMPROVEMENTS AND TRANSPORTATION PROGRAMS
MIAMI-DADE COUNTY, FLORIDA
HR ENGINEERING SERVICES, INC.
HRES PROJECT No. HR15-1055R
JUNE 12, 2015**

PERCOLATION TEST No.	NORTHING	EASTING	RANGE IN DEPTH FT.	STRATUM	APPROXIMATE GROUNDWATER DEPTH FT.
P-1	531590.624	908252.187	0.0-0.5	1	5.4
			0.5-6.0	2	
			6.0-15.0	5	
P-2	531593.348	907970.505	0.0-0.5	1	6.3
			0.5-7.0	2	
			7.0-15.0	6	
P-3	531073.709	907993.597	0.0-0.5	1	4.2
			0.5-5.0	2	
			5.0-7.0	5	
			7.0-15.0	6	
P-4	531356.675	907774.449	0.0-0.5	1	5.2
			0.5-7.0	2	
			12.5-15.0	6	
P-5 (1)	530895.888	908229.905	0.0-0.5	1	4.4
			0.5-4.0	2	
			4.0-7.0	3	
			7.0-15.0	5	
P-6	530729.507	907995.598	0.0-0.5	1	5.0
			0.5-7.0	2	
			7.0-15.0	6	
P-7	530530.137	908213.935	0.0-0.5	1	4.6
			0.5-4.0	2	
			4.0-7.0	3	
			7.0-15.0	6	

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PERCOLATION TEST No.	NORTHING	EASTING	RANGE IN DEPTH FT.	STRATUM	APPROXIMATE GROUNDWATER DEPTH FT.
P-8 (1)	530306.864	908009.571	0.0-0.5	1	4.3
			0.5-4.0	2	
			4.0-7.0	4	
			7.0-15.0	6	
P-9	530409.084	907773.700	0.0-0.5	1	4.2
			0.5-7.5	2	
			7.5-15.0	6	
P-10	530689.483	907738.179	0.0-0.5	1	4.4
			0.5-5.0	2	
			5.0-8.0	5	
			8.0-15.0	6	

SOILS INFORMATION TABLE

- STRATUM 1:** Organic silty fine sand, (topsoil), A-8
- STRATUM 2:** Silty fine sand or slightly organic silty fine sand with traces of limerock, A-2-4
- STRATUM 3:** Organic silty fine sand with traces of limerock and man made debris (trash), A-8
- STRATUM 4:** Sandy silt, A-4
- STRATUM 5:** Silty fine sand with some limerock/limestone lenses, A-1-b
- STRATUM 6:** Limestone

Notes:

(1) Fuel odor on samples retrieved from the auger boring

Plane coordinates were taken using a hand-held GPS and are approximate within 10 feet.

**SUMMARY OF PERCOLATION TEST RESULTS
USUAL OPEN-HOLE - FDOT METHOD
CURTIS PARK - 1901 NW 24TH AVENUE
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JUNE 11, 2015**

TEST No.	TEST DATE	NORTHING	EASTING	DEPTH TO WATER BEFORE TEST, H ft.	DEPTH TO WATER DURING TEST, ft.	HEAD, Du ft.	HOLE DEPTH ft.	HOLE DIAMETER, d inches	RATE OF FLOW, P		k, HYDRAULIC CONDUCTIVITY cfs/ft ² -ft. Head
									gpm	cfs	
P-1	06/10/15	531590.624	908252.187	5.4	0.0	5.4	15.0	6.0	3.4	0.00758	7.3E-05
P-2	06/10/15	531593.348	907970.505	6.3	0.0	6.3	15.0	6.0	7.1	0.01582	1.3E-04
P-3	06/10/15	531073.709	907993.597	4.2	0.0	4.2	15.0	6.0	2.1	0.00468	5.5E-05
P-4	06/10/15	531356.675	907774.449	5.2	0.0	5.2	15.0	6.0	2.4	0.00535	5.3E-05
P-5	06/09/15	530895.888	908229.905	4.4	0.0	4.4	15.0	6.0	7.2	0.01604	1.8E-04
P-6	06/09/15	530729.507	907995.598	5.0	0.0	5.0	15.0	6.0	1.9	0.00423	4.3E-05
P-7	06/10/15	530530.137	908213.935	4.6	0.0	4.6	15.0	6.0	1.7	0.00379	4.1E-05
P-8	06/09/15	530306.864	908009.571	4.3	0.0	4.3	15.0	6.0	6.7	0.01493	1.7E-04
P-9	06/09/15	530409.084	907773.700	4.2	0.0	4.2	15.0	6.0	4.1	0.00914	1.1E-04
P-10	06/09/15	530689.483	907738.179	4.4	0.0	4.4	15.0	6.0	1.5	0.00334	3.8E-05

for 0 to 15 ft., $K_{10} = P / 3.1416 * d * Du \{ Du/2 + Ds \}$, where $Ds = \text{Hole Depth} - H$
Plane coordinates were taken using a hand-held GPS and are approximate within 10 feet.