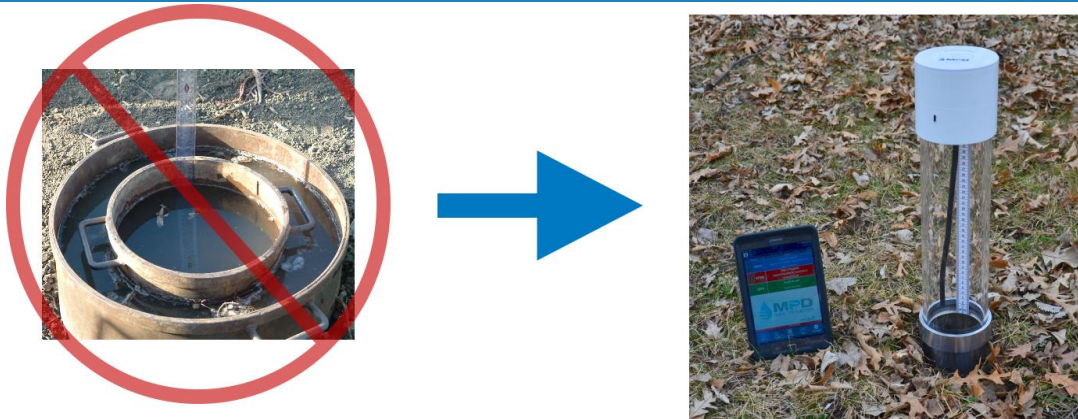


Infiltration - Hydraulic Conductivity

ASTM Standard D8152

Test Results in 30 to 60 minutes



Double Ring Infiltrator	MPD Infiltrator
Test time: 4 to 6 hours	Test Time: 30 to 60 Minutes
Hundreds of gallons of water required	Under 1 gallon of water
Manual - Labor Intensive	Automated
Requires a Licensed Engineer	Any person can operate
\$1,000+ per test	\$100 per test
Single data point for entire site	Average multiple tests per site
Human error	All data collection and mathematical processing performed automatically
Spend hours calculating and generating a report	Immediately download a standardized site report

Upstream Technologies MPD Infiltrator automates the [MPD ASTM STANDARD D8152](#) for calculating Field Hydraulic Conductivity (Ksat).

Automation of this standard removes human error. The software generated calculations and reports allow summer interns and technicians to easily perform the field tests (Engineer not required). Having a site-specific Ksat value improves the design of infiltration practices, allows verification of construction of these practices, and provides hard data for required annual inspections.



MPD Kits are sold in single or triple kits. 3 Tests may be run simultaneously by one person.

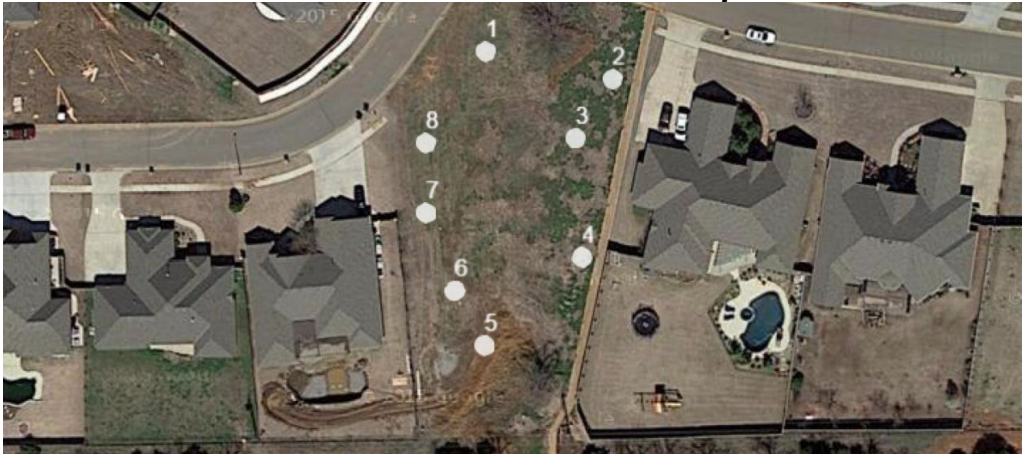
Sample MPD output report:

Infiltration Report

Walden Estates – Glenville, MN

Ksat best-fit site average: 8.2 in/hr (209mm/hr)

GPS Infiltration Test Site Map



#	Test	Ksat (cm/sec)	Ksat (cm/sec)	Ksat (in/hr)	C (cm)	Normalized Error ¹
1	Walden Estates #1	0.00572	0.00572	8.105	9.83234	0.729 %
2	Walden Estates #2	0.00588	0.00588	8.333	11.22839	0.781 %
3	Walden Estates #3	0.00581	0.00581	8.235	9.85275	0.732 %
4	Walden Estates #4	0.00572	0.00572	8.105	9.83234	0.729 %
5	Walden Estates #5	0.00578	0.00578	8.190	9.84549	0.731 %
6	Walden Estates #6	0.00575	0.00575	8.146	9.83869	0.730 %
7	Walden Estates #7	0.00584	0.00584	8.284	9.86052	0.733 %
8	Walden Estates #8	0.00578	0.00578	8.190	9.84549	0.731 %

View the video at: www.upstreamtechnologies.us/products/mpd.shtml