



# PERCOLATION TEST REPORT

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Project:	Van Wyck Expressway Widening	Project No.:	187802
Client:	NYSDOT	Location:	Van Wyck Expressway
Install Date:	4/20/2018	Boring No.:	PT-X-02
Inspector:	Gabriela de Aragao	Hours:	8:30 AM 12:35 PM
Contractor:	Warren George, Inc.	Weather:	Partly Cloudy
Driller/Helper:	Jim Wilson, Eddie Fontanez	Temperature:	AM 37 deg F. PM 51 deg F.

## Installation and Stratigraphy Sketch:

		Casing Size:	HW
		Casing I.D.:	4.0 in.
		Casing O.D.:	4.5 in.
		Casing Stickup above ground:	2.5 ft.
		Ground Elev.:	32.0 ft.
		(See additional remarks below)	
		Drainage Material:	clean coarse sand
		Drainage Thickness:	4 in.
		Depth to Drainage Layer:	7.7 ft.
		Elevation at Top Drainage Layer:	24.4 ft.
		Depth to Casing Bottom:	8.0 ft.
		Elevation at Casing Bottom:	24.0 ft.
		(See additional remarks below)	

## Percolation Test Readings:

Test No.	Date Start	Date Finish	Time Start	Time Finish	Test Depth (ft.)	Length of Time Interval (min.)	Water Depth at Start Time Interval (in.)	Water Depth at End Time Interval (in.)	Drop in Water Level (in.)	Percolation Rate (in./hr.)
1	4/20/18	4/20/18	8:30	8:45	8.0	15	99.2	99.5	0.2	1.4
	4/20/18	4/20/18	8:45	9:00	8.0	15	99.5	99.8	0.4	
	4/20/18	4/20/18	9:00	9:15	8.0	15	99.8	100.3	0.5	
	4/20/18	4/20/18	9:15	9:30	8.0	15	100.3	100.7	0.4	
2	4/20/18	4/20/18	9:35	9:50	8.0	15	99.0	99.4	0.4	1.3
	4/20/18	4/20/18	9:50	10:05	8.0	15	99.4	99.8	0.5	
	4/20/18	4/20/18	10:05	10:35	8.0	30	99.8	100.3	0.5	
3	4/20/18	4/20/18	10:35	10:55	8.0	20	99.7	100.0	0.2	1.0
	4/20/18	4/20/18	10:55	11:15	8.0	20	100.0	100.2	0.2	
	4/20/18	4/20/18	11:15	11:35	8.0	20	100.2	100.7	0.5	
4	4/20/18	4/20/18	11:35	11:55	8.0	20	99.6	100.0	0.4	1.1
	4/20/18	4/20/18	11:55	12:15	8.0	20	100.0	100.3	0.4	
	4/20/18	4/20/18	12:15	12:35	8.0	20	100.3	100.7	0.4	

## Additional Remarks:

- 1 Test depth recorded below existing ground surface.
- 2 Depth to water level measured below the top of the casing.
- 3 Elevation is reported on the North American Vertical Datum of 1988 (NAVD 88) in U.S. Survey feet.