

# BOREHOLE RECORD - Rotary Open Hole

Project NMCN M621 IMPROVEMENTS

Engineer BWB CONSULTING LIMITED

Borehole Project No **RO211**  
PY210401


Client NMCN PLC

National Grid Coordinates 428616.1 E  
431581.6 N

Ground Level 36.84 m OD

Drilling		Properties/Sampling			Strata		Scale 1:50		
Core Run/Depth (Core Dia/Time)	Depth Cased & (to Water)	Type TCR/SCR%	Length Max/Min	RQD %	Description General	Description Detail	Depth	Legend	Level m OD
					Grass over TOPSOIL: Dark brown sandy friable clay.		G.L.		36.84
					MADE GROUND: Firm light greyish brown mottled grey slightly sandy slightly gravelly clay. Gravel is subangular to subrounded fine to coarse of sandstone, mudstone, coal and brick.	Between 0.40-1.00m, pocket of subrounded fine to coarse gravel and cobbles of sandstone.	0.25		36.59
					GREY CLAY**		1.20		35.64
					YELLOWISH BROWN SANDSTONE**		4.50		32.34


Drilling				Progress					Groundwater					
Depth	Hole Dia	Technique	Crew	Depth of Hole	Depth Cased	Depth to Water	Date	Time	Depth Struck	Depth Cased	Rose to	in Mins	Depth Sealed	Remarks on Groundwater
1.20	0.40	Inspection Pit	AW/PB	G.L.			25/03/21	20:00						
4.00	0.12	Rotary Open Hole	AW/PB	35.00	4.00		26/03/21	02:30						Water added.
35.00	0.11	Rotary Open Hole	AW/PB											

**Remarks**  Inspection pit hand excavated to 1.20m depth and no services were found. Logged by **AW**

**AGS\*\* Drillers description.** Backfill details from base of hole: bentonite seal up to 0.50m, arisings up to ground level. Figure 1 of 4  
Flush: 7.50-18.00m, Water, 100% returns; 18.00-25.50m, Water, 80% returns; 25.50-27.00m, Water, 60% returns; 27.00-28.50m, Water, 80% returns; 28.50-30.00m, Water, 70% returns; 30.00-31.50m, Water, 80% returns; 31.50-33.00m, Water, 70% returns; 33.00-35.50m, Water, 80% return. 07/07/2021

Symbols and abbreviations are explained on the accompanying key sheet.

All dimensions are in metres. Logged in accordance with BS5930:2015 + A1:2020





Ground Level 36.84 m OD



[illegible]

# INSITU TESTING - Soakaway Test

Form INS010 Rev 2

Project M62J Junction 1-7 Improvements

Borehole No. RO211

Test No 1

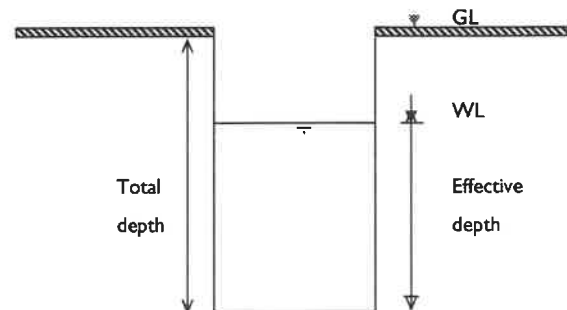
Project No PY210401

Date 25/03/2021

Client NMCN

ELAPSED TIME (mins)	DEPTH of water below ground level (m)	HEAD (m)	HEAD (%)
0.00	0.17	3.33	95.14
0.50	0.17	3.33	95.14
1.00	0.17	3.33	95.14
1.50	0.18	3.32	94.86
2.00	0.18	3.32	94.86
2.50	0.18	3.32	94.86
3.00	0.18	3.32	94.86
3.50	0.18	3.32	94.86
4.00	0.18	3.32	94.86
5.00	0.18	3.32	94.86
6.00	0.18	3.32	94.86
7.00	0.18	3.32	94.86
8.00	0.19	3.32	94.71
9.00	0.19	3.32	94.71
10.00	0.19	3.32	94.71
15.00	0.19	3.32	94.71
20.00	0.19	3.32	94.71
30.00	0.19	3.32	94.71
45.00	0.20	3.30	94.29
60.00	0.20	3.30	94.29

## BOREHOLE SOAKAWAY



Borehole diameter = 0.146 m

Borehole depth = 3.500 m

Effective depth (Head of Water) = 3.500 m

Initial depth from GL	=	0.170m	
% of effective depth	Head (m)	Depth from GL (m)	Time (mins)
75%	2.625	0.875	
25%	0.875	2.625	
Vp75-25	=	m <sup>3</sup>	
ap50	=	m <sup>2</sup>	
tp75-25	=	min	
Soil Infiltration, f	=	* m/sec	

Sheet 1 of 2

Remarks Unable to calculate Soil Infiltration (f) due to insufficient reduction in effective head of water during the test period.  
The test was terminated at 60 minutes under instruction of the Client.

GEOTECHNICS

# INSITU TESTING - Soakaway Test

Form INS010 Rev 2

Project M62J Junction I-7 Improvements

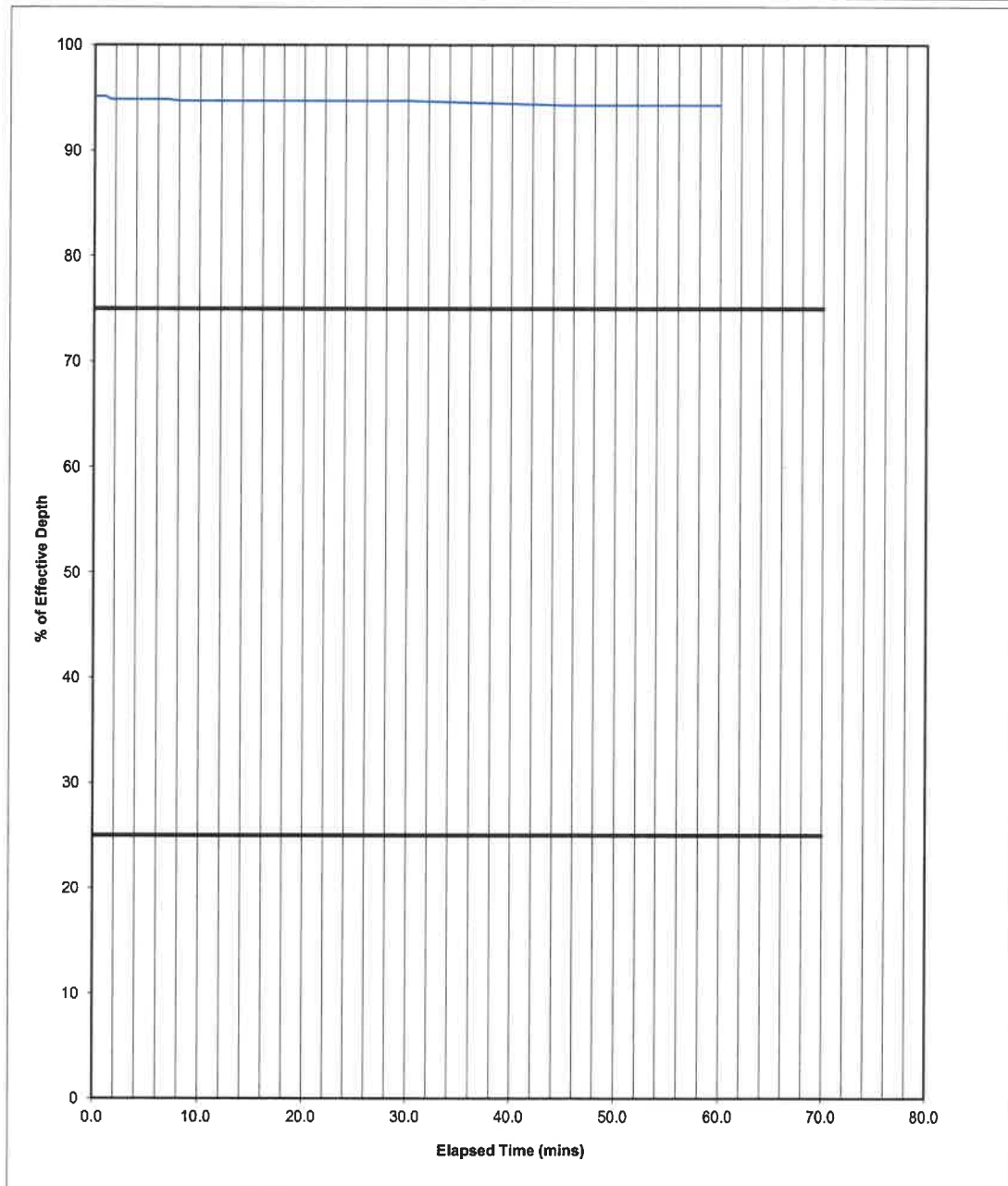
Borehole No. RO211

Test No 1

Project No PY210401

Client NMCN

Date 25/03/2021



tp75	=
tp25	=

Remarks Unable to calculate Soil Infiltration (f) due to insufficient reduction in effective head of water during the test period.  
The test was terminated at 60 minutes under instruction of the Client.

Sheet 2 of 2

GEOTECHNICS







# BOREHOLE RECORD - Rotary Open Hole

Project NMCN M621 IMPROVEMENTS

Engineer BWB CONSULTING LIMITED

Borehole Project No R0208  
PY210401

Client NMCN PLC

National Grid Coordinates 428586.1 E  
431679.1 N

Ground Level 37.52 m OD

Drilling		Properties/Sampling				Strata		Scale 1:50		
Core Run/Depth (Core Dia/Time)	Depth Cased & (to Water)	Type	Length	RQD		Description General	Description Detail	Depth	Legend	Level m OD
		TCR/SCR%	Max/Min	%						

