

GeoAssist Limited	Site:	Development at Greenhill Road, Mddleton	
	Job Ref:	6127 VGH	TP2
	Originator:	MB	
	Checked:	MR	
Soil Infiltration Rate Test		Date:	17/08/2023

Easting 388598.074 Northing 405165.58 Level (mAOD) 104.38

Test Pit Dimensions (m)

Inlet Pipe Invert Level (m) 0.8 Assumed

Width (m)	Length (m)	Depth (m)	Volume (m ³)	Effective Depth (m)	
0.6	2	2.2	2.64	1.35	

Test Results

Test Date: 17/08/2023

Principal Material Type

Orange very silty SAND with rare gravel

Date	Time (mins)	TEST 1 Depth Below Surface (m)	Date	Time (mins)	TEST 2 Depth Below Surface (m)	Date	Time (mins)	TEST 3 Depth Below Surface (m)
17.08.23 09:00	0	1.08						
17.08.23 09:01	1	1.09						
17.08.23 09:05	5	1.11						
17.08.23 09:10	10	1.12						
17.08.23 09:30	30	1.17						
17.08.23 10:00	60	1.21						
17.08.23 11:00	120	1.28						
17.08.23 13:00	240	1.38						
17.08.23 14:00	300	1.4						
17.08.23 16:00	420	1.43						

Calculations

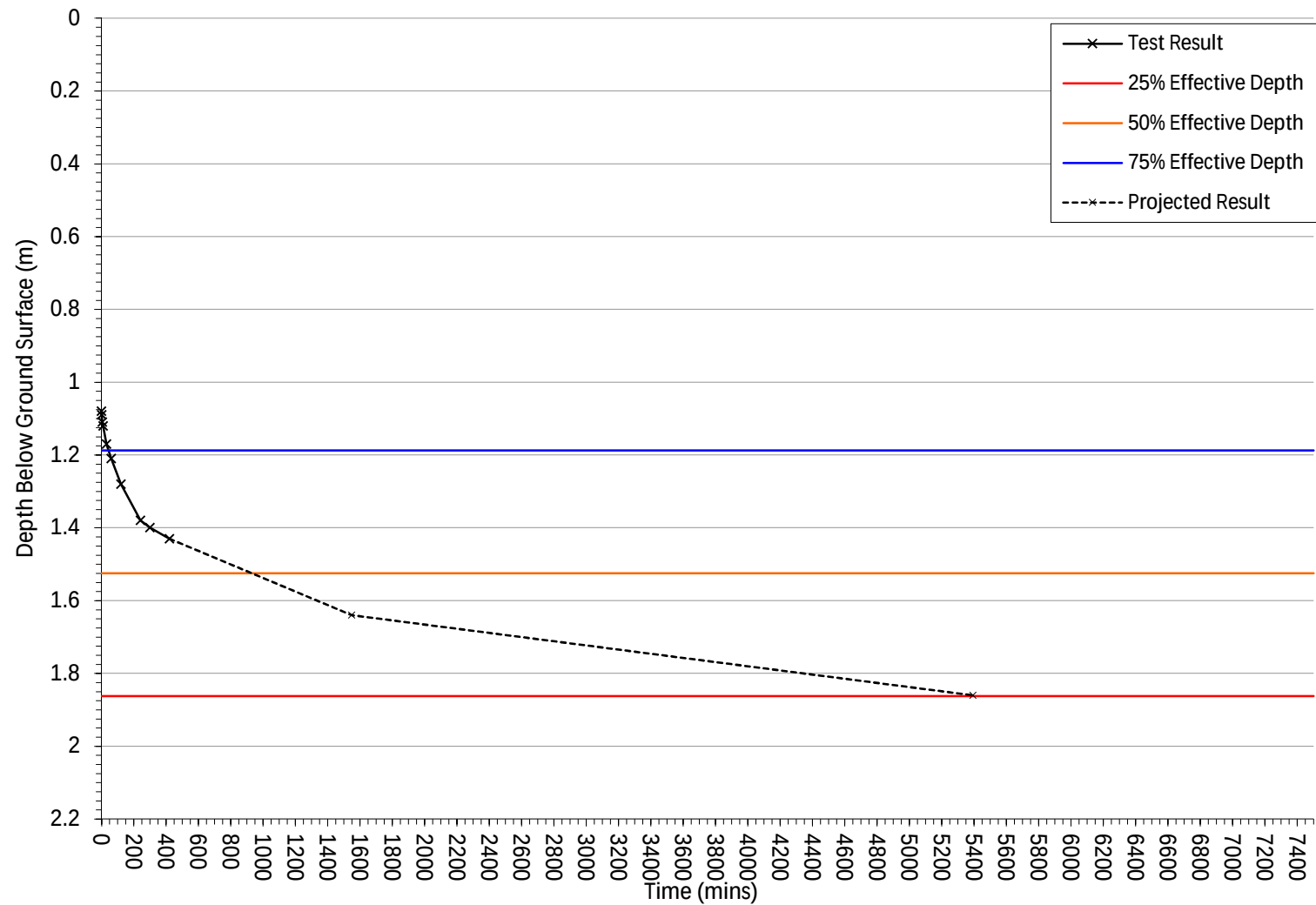
Effective Depth (m)	
75%	1.19
25%	1.86
50%	1.53

$$\begin{aligned}
 &as_{50} && 3.51 \text{ m}^2 \\
 &0.675 V_{p75-25} && 0.81 \text{ m}^3 \\
 &1.225 a_{p50} && 4.71 \text{ m}^2 \\
 &t_{p75-25} && \text{318000 seconds (projected)}
 \end{aligned}$$

Soil Infiltration Rate f from Test 1 **5.4E-07** m/sec

Notes:

Results of Field Observations 6127 VGHM TP12 Soakaway Test 17th Aug 2023





A1 Soakaway Test

Site Name	Development at Greenhill Road
Location	Middleton
GeoAssist Ref	6127VGH
Client	J Walker Homes Limited
	Joshua House 35 Joshua Lane Middleton Manchester M24 2AY
Planning Consultant	Trevena Blake & Associates
NGR (centre of site)	388610,405180
Production Date	August 2023
Survey Method	
Surveyor	Others
Status	Final v1.00
Base Survey	OSGB36

TP1 Unsuitable
TP2 Soakaway Test Location



A2 TP Photographs

Site Name	Development at Greenhill Road
Location	Middleton
GeoAssist Ref	6127VGH
Client	J Walker Homes Limited
	Joshua House 35 Joshua Lane Middleton Manchester M24 2AY
Planning Consultant	Trevena Blake & Associates
NGR (centre of site)	388610,405180
Production Date	July 2023
Survey Method	
Surveyor	Others
Status	Final v1.00
Base Survey	OSGB36

Photo 1 Left TP1
Photo 2 Right TP2