

GeoAssist Limited	Site:	Land to Rear of 25 Ladybarn Lane			
	Job Ref:	6070 VMF	TP1		
Soil Infiltration Rate Test	Originator:	MB			
	Checked:	MR			
	Date:	06/11/2021			
Easting	385829.123	Northing	393906.469	Level (mAOD)	41.04

Test Pit Dimensions (m)

Inlet Pipe Invert Level (m) 0.5 Assumed

Width (m)	Length (m)	Depth (m)	Volume (m ³)	Effective Depth (m)
0.6	2.2	1.7	2.244	1.2

Test Results

Test Date: 15/09/2021

Groundwater: None

Soil Type: Made Ground to 0.30m

Brown slightly sandy silty CLAY to 1.70m

Date	Time (mins)	TEST 1 Depth Below Surface (m)	TEST 2 Depth Below Surface (m)	
15/09/2021	0	0.8		
15/09/2021	1	0.8		
15/09/2021	2	0.801		
15/09/2021	4	0.801		
15/09/2021	8	0.802		
15/09/2021	16	0.802		
15/09/2021	30	0.802		
15/09/2021	60	0.802		
15/09/2021	120	0.802		
15/09/2021	240	0.802		

Calculations

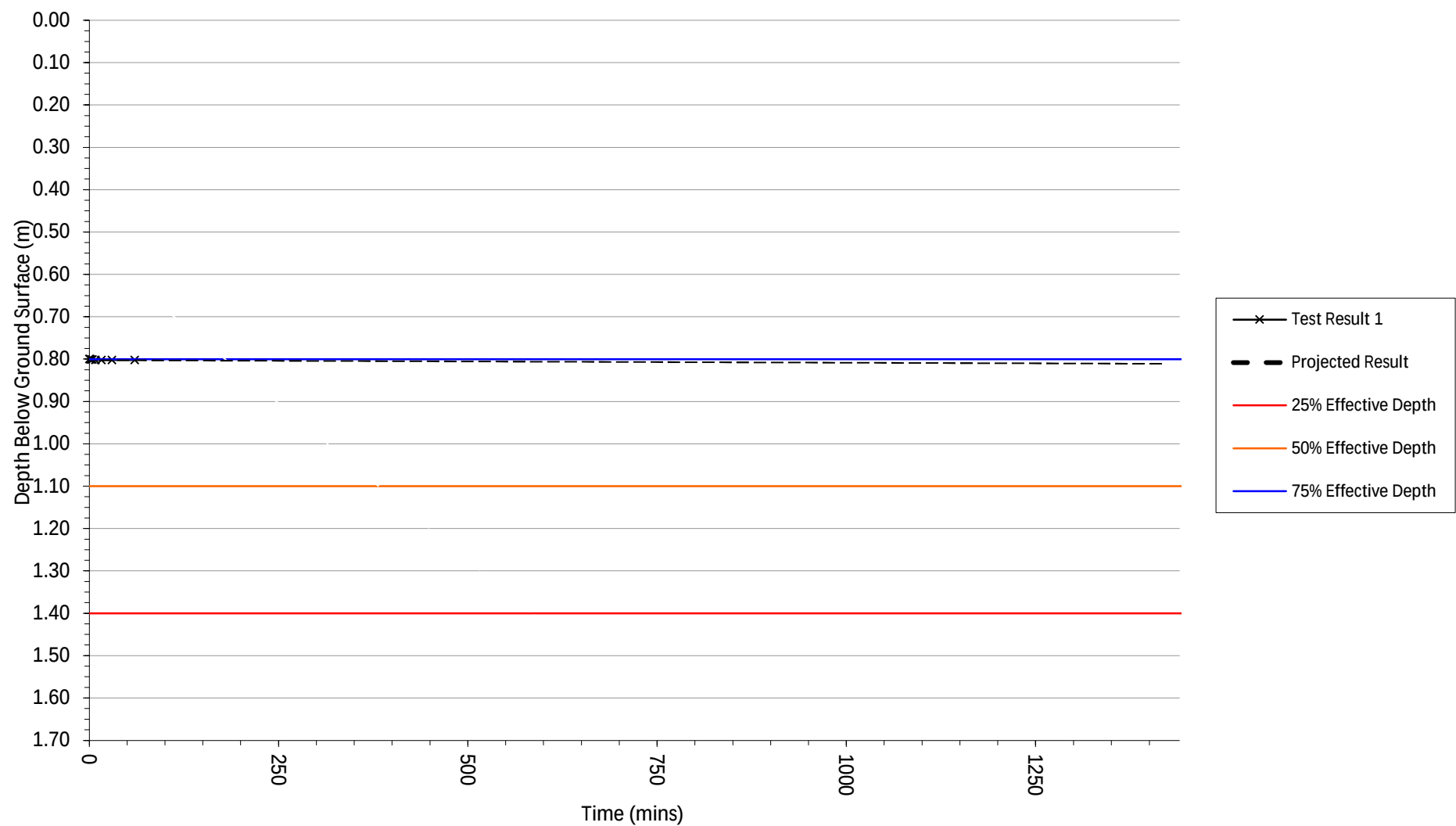
Effective Depth (m)	
75%	0.80
25%	1.40
50%	1.10

$a s_{50}$ 3.36 m²
 $0.675 V_{p75-25}$ 0.792 m³
 $1.225 a_{p50}$ 4.68 m²
 t_{p75-25} 10000000 seconds projected (greater than)

Soil Infiltration Rate f Less than 1.7E-08 m/sec

Notes: Trial Pit did not half empty within 24 Hrs therefore test failed. Second refill not required. Soil infiltration rate is not suitable for soakaway drainage

Results of Field Observations 6070 VMF TP1 Soakaway Test



GeoAssist Limited	Site:	Land to Rear of 25 Ladybarn Lane			
	Job Ref:	6070 VMF	TP2		
	Originator:	MB			
	Checked:	MR			
Soil Infiltration Rate Test	Date:	06/11/2021			
Easting	385830.747	Northing	393920.259	Level (mAOD)	40.71

Test Pit Dimensions (m)

Inlet Pipe Invert Level (m) 0.5 Assumed

Width (m)	Length (m)	Depth (m)	Volume (m ³)	Effective Depth (m)
0.6	2.6	1.85	2.886	1.35

Test Results

Test Date: 15/09/2021

Groundwater: None

Soil Type: Made Ground to 0.70m

Brown slightly sandy silty CLAY to 1.80m

Date	Time (mins)	TEST 1 Depth Below Surface (m)	TEST 2 Depth Below Surface (m)	
15/09/2021	0	0.97		
15/09/2021	1	0.98		
15/09/2021	2	0.98		
15/09/2021	4	0.98		
15/09/2021	10	1		
15/09/2021	20	1.01		
15/09/2021	40	1.03		
15/09/2021	60	1.05		
15/09/2021	120	1.09		
15/09/2021	240	1.13		
15/09/2021	1440	1.2		

Calculations

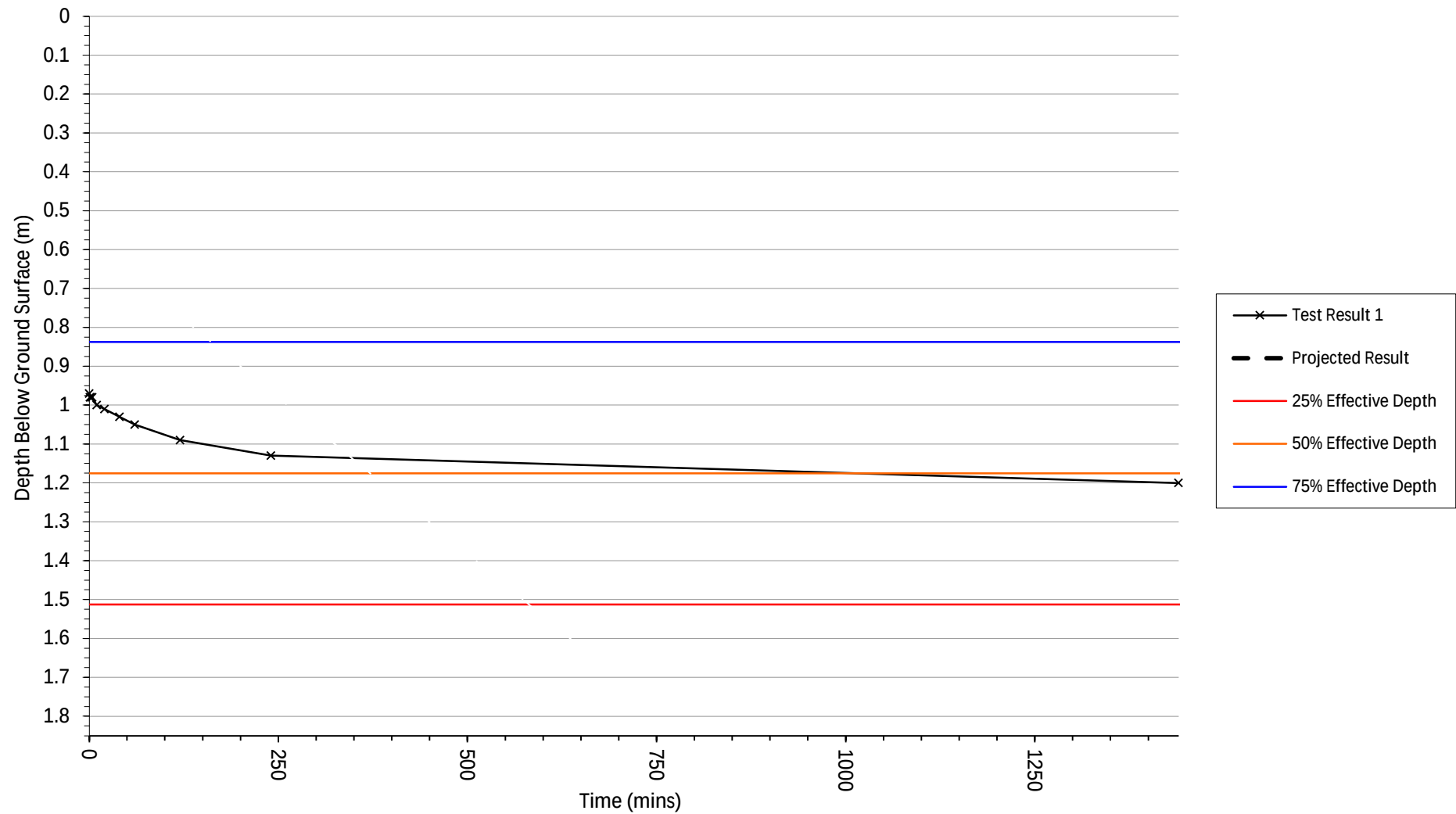
Effective Depth (m)	
75%	0.84
25%	1.51
50%	1.18

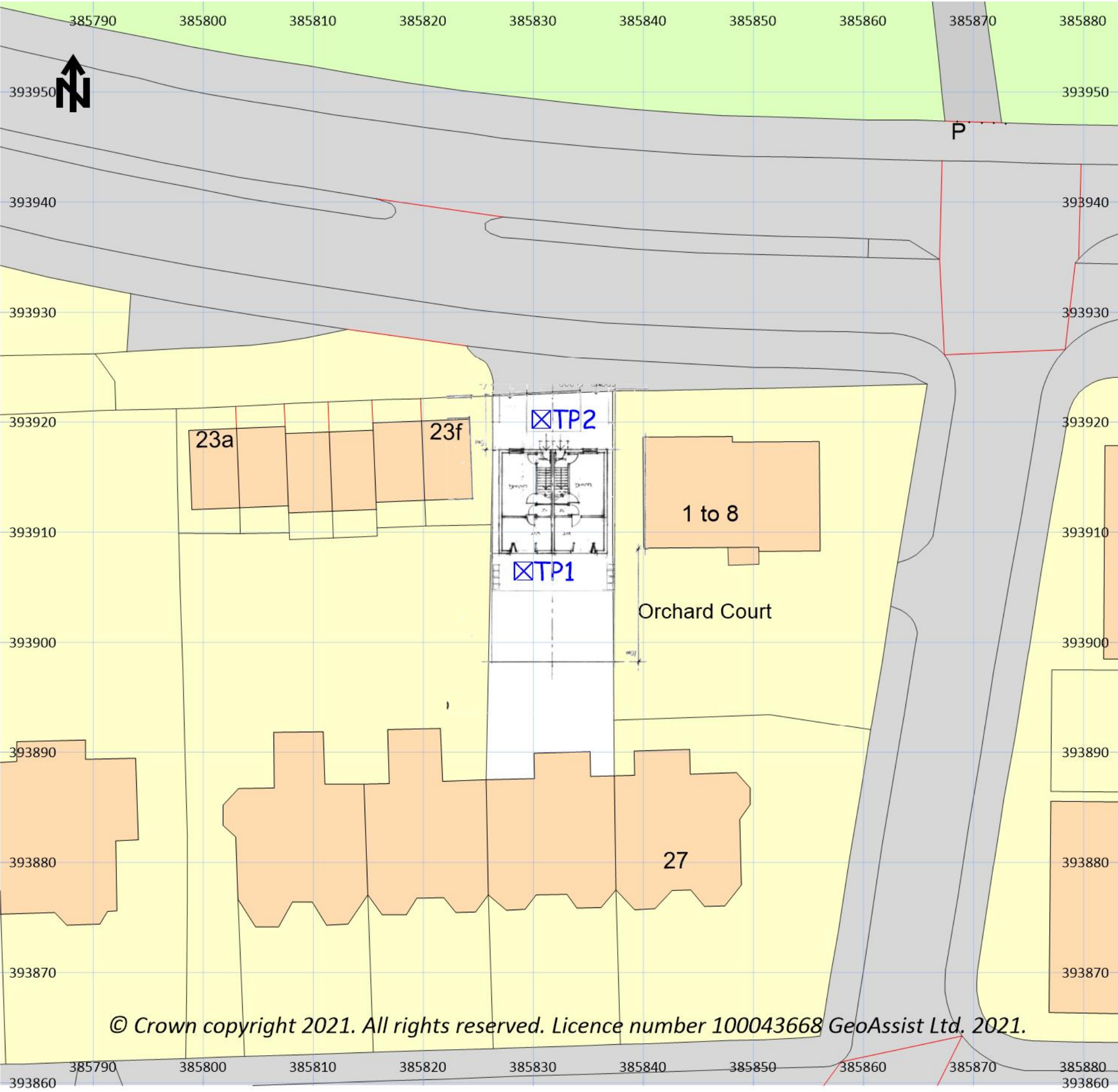
$$\begin{aligned}
 &as_{50} && 4.32 \text{ m}^2 \\
 &0.675 V_{p75-25} && 1.053 \text{ m}^3 \\
 &1.225 a_{p50} && 5.88 \text{ m}^2 \\
 &t_{p75-25} && 600000 \text{ seconds projected}
 \end{aligned}$$

Soil Infiltration Rate f 3.0E-07 m/sec

Notes: Trial Pit did not half empty within 24 Hrs therefore test failed. Second refill not required. Soil infiltration rate is not suitable for soakaway drainage

Results of Field Observations 6070 VMF TP2 Soakaway Test





A1 Site Plan

Site Name	Land to rear of 25 Ladybarn Road
Location	Fallowfield, Manchester
GeoAssist Ref	6070VMF
Client	Airshack Projects Ltd
	396 Wilmsow Road Manchester M20 3BN
Planning Consultant	
NGR (centre of site)	385832,393909
Production Date	Sept 2021
Survey Method	
Surveyor	Others
Status	Final v1.00
Base Survey	OSGB36