

BRE 365 Soil Infiltration Testing			
Project Ref	P21.109	Hole Ref	RSK1
Site Name	Boweries	Test Number	Test 1



Test Number	Test 1
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Pit Size		Time in mins	
Length	1.00	17.5	75%
Width	0.35	70	25%
Depth	0.60		

Permeability Graph

Time in minutes	Permeability (%)
0.00	100.0
2.00	98.0
4.00	95.0
6.00	92.0
8.00	90.0
10.00	88.0
12.00	86.0
14.00	84.0
16.00	82.0
18.00	80.0
20.00	78.0
25.00	72.0
30.00	66.0
35.00	60.0
40.00	55.0
45.00	50.0
50.00	45.0
55.00	40.0
60.00	35.0
65.00	30.0
70.00	25.0
75.00	20.0
80.00	15.0
85.00	12.0
90.00	10.0
95.00	8.0
100.00	6.0
105.00	4.0
110.00	2.0
115.00	1.0
120.00	0.0

BRE 365 Soil Infiltration Testing

Project Ref P21.109

Hole Ref	RSK1
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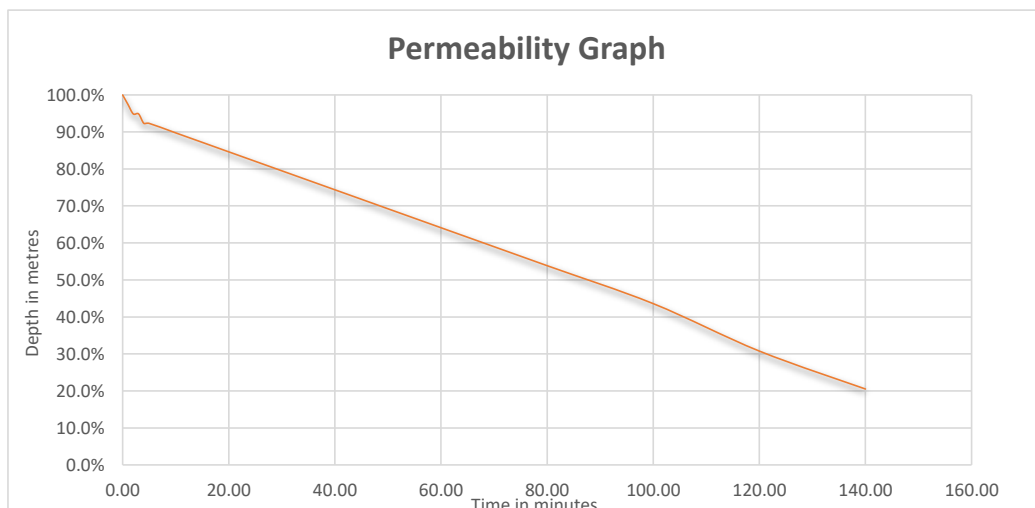
Site Name Boweries

Test Number Test 2

[illegible]

Pit Size		Time in mins	
Length	1.00	40	75% 25%
Width	0.35	130	
Depth	0.60		

Infiltration Rate	from 75%-25%	1.44197E-05
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BRE 365 Soil Infiltration Testing			
Project Ref	P21.109	Hole Ref	RSK1
Site Name	Ryefield Farmhouse	Test Number	Test 3

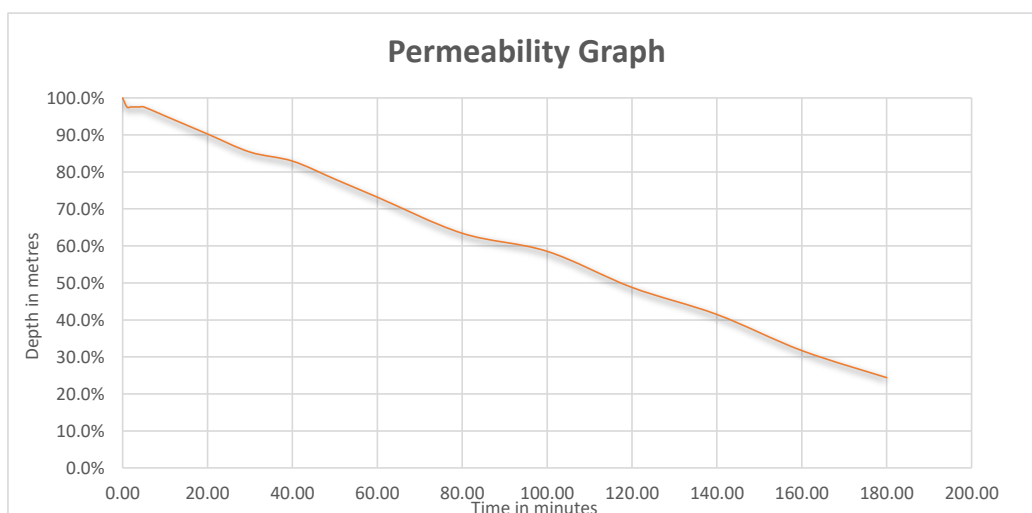


IMPACT
GEOTECHNICAL

Test 3

Pit Size		Time in mins	
Length	1.00	55	75%
Width	0.35	180	25%
Depth	0.60		

1.05885E-05



BRE 365 Soil Infiltration Testing			
Project Ref	P21.109	Hole Ref	RSK2
Site Name	Boweries	Test Number	Test 1



Test Number	Test 1
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Pit Size		Time in mins	
Length	1.00	20	75%
Width	0.30	140	25%
Depth	0.90		

Permeability Graph

The graph displays a smooth, decreasing curve representing permeability over time. The y-axis is labeled 'Depth in metres' and ranges from 0.0% to 100.0% in 10.0% increments. The x-axis is labeled 'Time in minutes' and ranges from 0.00 to 180.00 in 20.00 increments. The curve starts at (0, 100.0%) and ends at approximately (160, 21.0%).

Time in minutes	Permeability (%)
0.00	100.0
10.00	85.0
20.00	75.0
40.00	60.0
60.00	50.0
80.00	43.0
100.00	38.0
120.00	32.0
140.00	27.0
160.00	21.0

BRE 365 Soil Infiltration Testing	
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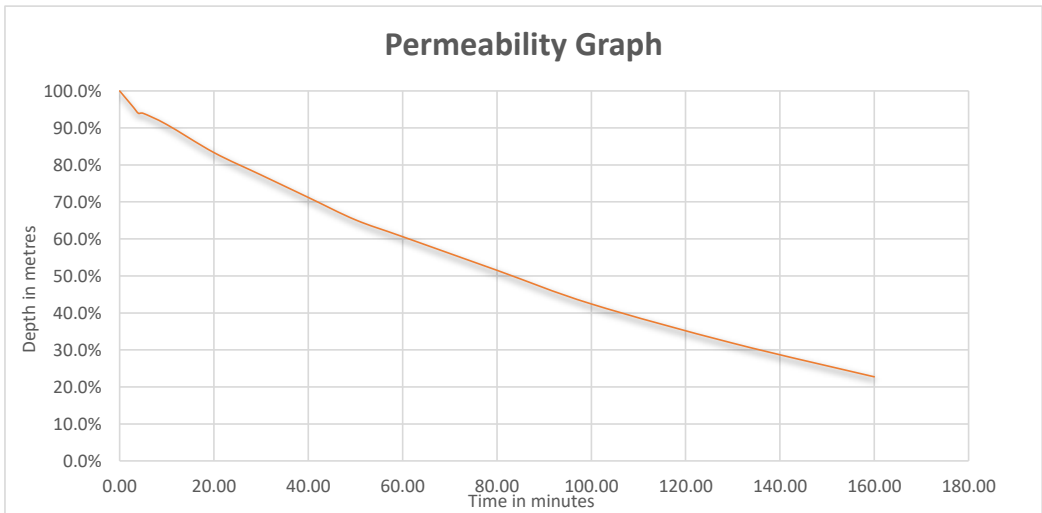


Test Number Test 2

Time in minutes	Depth to water surface (m)	Depth of water (m)	Percentage of water depth at start
0.00	0.240	0.66	100.0%
1.00	0.250	0.65	98.5%
2.00	0.260	0.64	97.0%
3.00	0.270	0.63	95.5%
4.00	0.280	0.62	93.9%
5.00	0.280	0.62	93.9%
10.00	0.300	0.60	90.9%
20.00	0.350	0.55	83.3%
30.00	0.390	0.51	77.3%
40.00	0.430	0.47	71.2%
50.00	0.470	0.43	65.2%
60.00	0.500	0.40	60.6%
80.00	0.560	0.34	51.5%
100.00	0.620	0.28	42.4%
130.00	0.690	0.21	31.8%
160.00	0.750	0.15	22.7%
160.00	0.750	0.15	22.7%

Pit Size		Time in mins	
Length	1.00	35	75%
Width	0.30	140	25%
Depth	0.90		

Infiltration Rate	from 75%-25%	1.35702E-05
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BRE 365 Soil Infiltration Testing			
Project Ref	P21.109	Hole Ref	RSK2
Site Name	Boweries	Test Number	Test 3



Test Number Test 3

Pit Size		Time in mins	
Length	1.00	40	75%
Width	0.30	160	25%
Depth	0.90		

Permeability Graph

The graph illustrates the decrease in permeability over time. The y-axis represents 'Depth in metres' (labeled as such, but the values are percentages from 0.0% to 100.0%), and the x-axis represents 'Time in minutes' (0.00 to 180.00). The data points are connected by a smooth orange line.

Time in minutes	Depth in metres (%)
0.00	100.0%
5.00	95.0%
10.00	90.0%
15.00	85.0%
20.00	80.0%
30.00	75.0%
40.00	70.0%
50.00	65.0%
60.00	60.0%
70.00	55.0%
80.00	50.0%
90.00	45.0%
100.00	40.0%
120.00	35.0%
140.00	30.0%
160.00	25.0%

BRE 365 Soil Infiltration Testing			
Project Ref	P21.109	Hole Ref	RSK3
Site Name	Boweries	Test Number	Test 1



Test Number	Test 1
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Pit Size		Time in mins	
Length	1.00	7	75%
Width	0.35	35	25%
Depth	0.70		

Permeability Graph

Time in minutes	Permeability (%)
0.00	100.0
1.00	98.0
2.00	95.0
3.00	90.0
4.00	85.0
5.00	82.0
6.00	78.0
7.00	75.0
8.00	72.0
9.00	68.0
10.00	65.0
11.00	62.0
12.00	58.0
13.00	55.0
14.00	52.0
15.00	50.0
16.00	48.0
17.00	46.0
18.00	44.0
19.00	42.0
20.00	40.0
21.00	38.0
22.00	36.0
23.00	34.0
24.00	32.0
25.00	30.0
26.00	28.0
27.00	26.0
28.00	24.0
29.00	22.0
30.00	20.0
31.00	18.0
32.00	16.0
33.00	14.0
34.00	12.0
35.00	10.0

BRE 365 Soil Infiltration Testing

Project Ref P21.109

Hole Ref RSK3

Site Name Boweries

Test Number Test 2



Time in minutes	Depth to water surface (m)	Depth of water (m)	Percentage of water depth at start
0.00	0.250	0.45	100.0%
0.50	0.260	0.44	97.8%
1.00	0.270	0.43	95.6%
1.50	0.270	0.43	95.6%
2.00	0.270	0.43	95.6%
2.50	0.280	0.42	93.3%
3.00	0.280	0.42	93.3%
3.50	0.280	0.42	93.3%
4.00	0.280	0.42	93.3%
4.50	0.290	0.41	91.1%
5.00	0.290	0.41	91.1%
6.00	0.290	0.41	91.1%
7.00	0.290	0.41	91.1%
8.00	0.300	0.40	88.9%
9.00	0.300	0.40	88.9%
10.00	0.310	0.39	86.7%
15.00	0.330	0.37	82.2%
20.00	0.350	0.35	77.8%
25.00	0.370	0.33	73.3%
30.00	0.390	0.31	68.9%
45.00	0.450	0.25	55.6%
60.00	0.490	0.21	46.7%
75.00	0.520	0.18	40.0%
90.00	0.550	0.15	33.3%
105.00	0.580	0.12	26.7%
120.00	0.610	0.09	20.0%
120.00	0.610	0.09	20.0%

INFILTRATION CALCULATED FROM 75%-25% WATER DEPTH RANGE

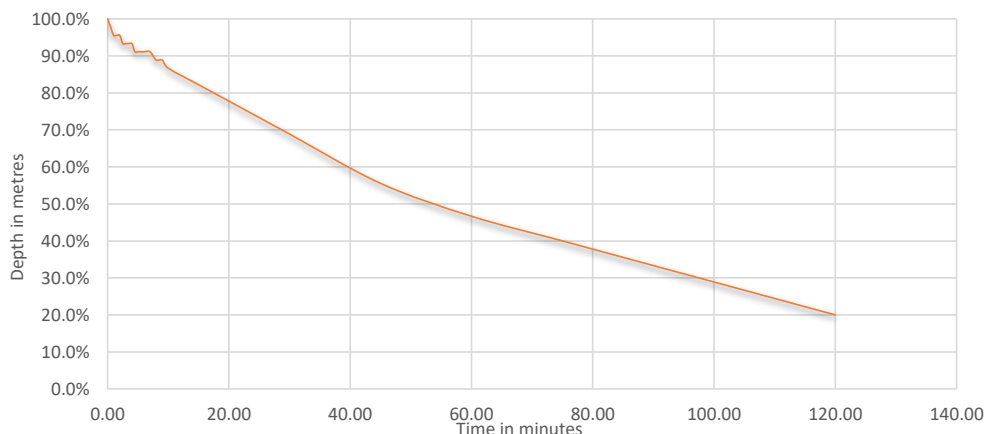
Pit Size		Time in mins	
Length	1.00	22	75%
Width	0.35	106	25%
Depth	0.70		

Infiltration Rate

from 75%-25%

1.63185E-05

Permeability Graph



BRE 365 Soil Infiltration Testing

Project Ref P21.109

Hole Ref RSK3

Site Name Boweries

Test Number Test 3



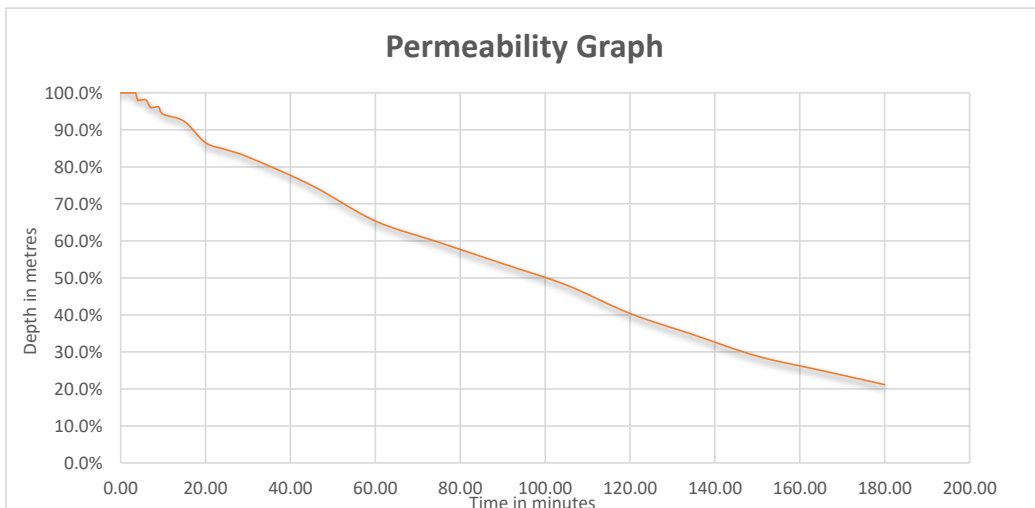
Time in minutes	Depth to water surface (m)	Depth of water (m)	Percentage of water depth at start
0.00	0.180	0.52	100.0%
0.50	0.180	0.52	100.0%
1.00	0.180	0.52	100.0%
1.50	0.180	0.52	100.0%
2.00	0.180	0.52	100.0%
2.50	0.180	0.52	100.0%
3.00	0.180	0.52	100.0%
3.50	0.180	0.52	100.0%
4.00	0.190	0.51	98.1%
4.50	0.190	0.51	98.1%
5.00	0.190	0.51	98.1%
6.00	0.190	0.51	98.1%
7.00	0.200	0.50	96.2%
8.00	0.200	0.50	96.2%
9.00	0.200	0.50	96.2%
10.00	0.210	0.49	94.2%
15.00	0.220	0.48	92.3%
20.00	0.250	0.45	86.5%
25.00	0.260	0.44	84.6%
30.00	0.270	0.43	82.7%
45.00	0.310	0.39	75.0%
60.00	0.360	0.34	65.4%
75.00	0.390	0.31	59.6%
90.00	0.420	0.28	53.8%
105.00	0.450	0.25	48.1%
120.00	0.490	0.21	40.4%
135.00	0.520	0.18	34.6%
150.00	0.550	0.15	28.8%
165.00	0.570	0.13	25.0%
180.00	0.590	0.11	21.2%
180.00	0.590	0.11	21.2%

Pit Size		Time in mins	
Length	1.00	45	75%
Width	0.35	165	25%
Depth	0.70		

Infiltration Rate

from 75%-25%

1.20142E-05



BRE 365 Soil Infiltration Testing			
Project Ref	P21.109	Hole Ref	RSK4
Site Name	Boweries	Test Number	Test 1



Test 1

Pit Size		Time in mins	
Length	0.30	45	75%
Width	1.00	190	25%
Depth	0.60		

8.0819E-06



BRE 365 Soil Infiltration Testing	
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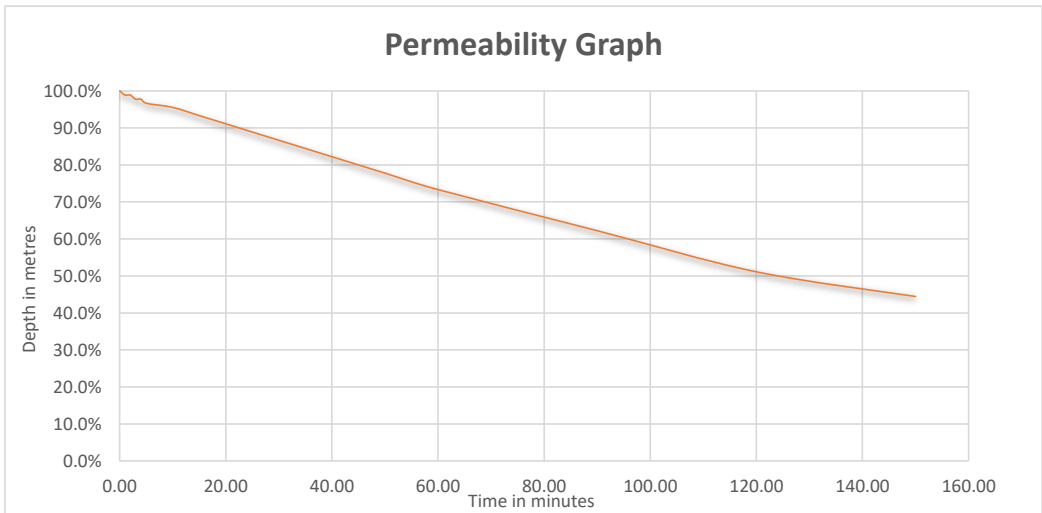


Test Number Test 2

Time in minutes	Depth to water surface (m)	Depth of water (m)	Percentage of water depth at start
0.00	0.150	0.45	100.0%
1.00	0.155	0.45	98.9%
2.00	0.155	0.45	98.9%
3.00	0.160	0.44	97.8%
4.00	0.160	0.44	97.8%
5.00	0.165	0.44	96.7%
10.00	0.170	0.43	95.6%
15.00	0.180	0.42	93.3%
20.00	0.190	0.41	91.1%
30.00	0.210	0.39	86.7%
40.00	0.230	0.37	82.2%
50.00	0.250	0.35	77.8%
60.00	0.270	0.33	73.3%
90.00	0.320	0.28	62.2%
120.00	0.370	0.23	51.1%
150.00	0.400	0.20	44.4%
150.00	0.400	0.20	44.4%

Pit Size		Time in mins	
Length	0.30	55	75%
Width	1.00	850	25% (Estimated)
Depth	0.60		

Infiltration Rate	from 75%-25%	1.59898E-06	(Estimated)
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BRE 365 Soil Infiltration Testing

Project Ref P21.109

Hole Ref RSK5

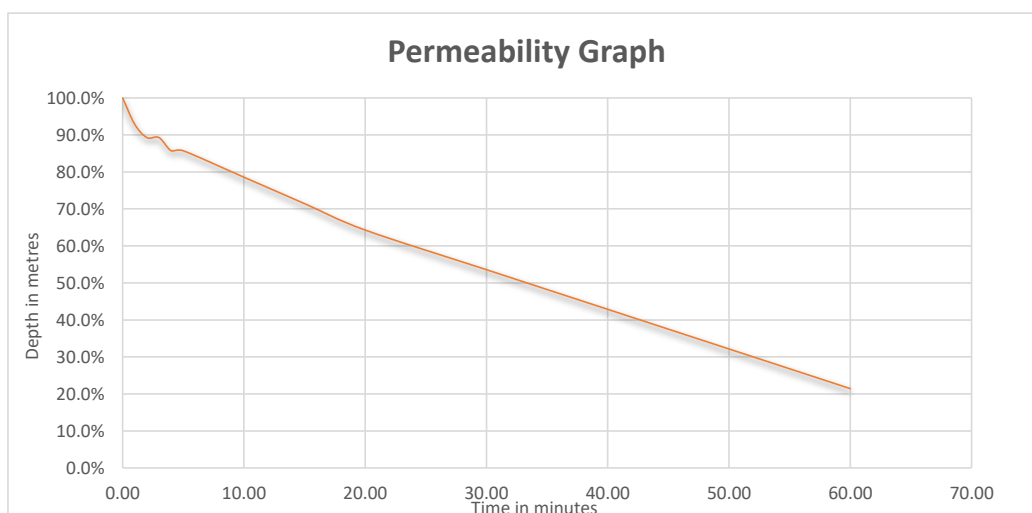
Site Name **Boweries**

Test Number	Test 1
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[illegible]

Pit Size		Time in mins	
Length	1.00	13	75%
Width	0.30	55	25%
Depth	0.50		

Infiltration Rate	from 75%-25%	2.51004E-05
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BRE 365 Soil Infiltration Testing

Project Ref P21.109

Hole Ref

RSK5

Site Name **Boweries**

Test Number

Test 2

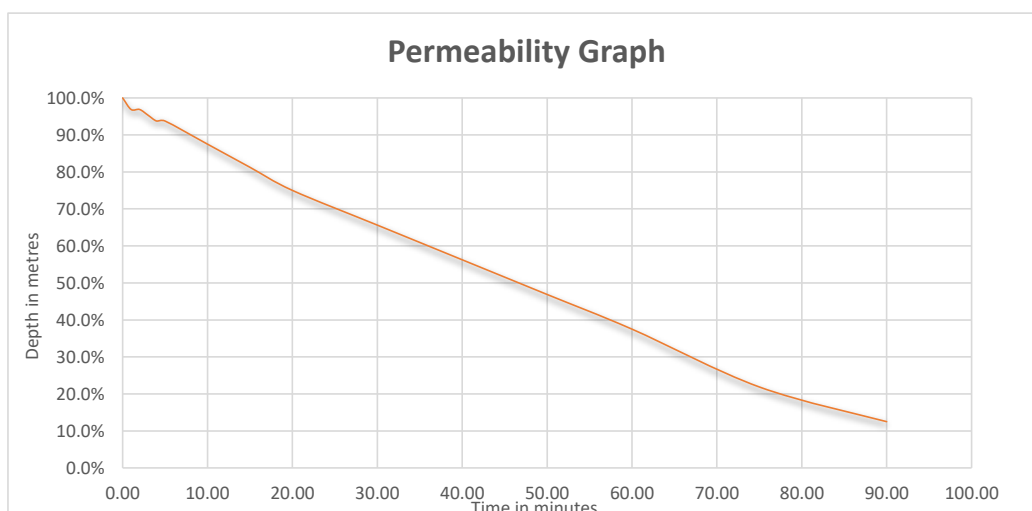
[illegible]

Pit Size		Time in mins	
Length	1.00	20	75%
Width	0.30	72	25%
Depth	0.50		

Infiltration Rate

from 75%-25%

2.14869E-05



BRE 365 Soil Infiltration Testing

Project Ref P21.109

Hole Ref

RSK5

Site Name **Boweries**

Test Number

Test 3

[illegible]

Pit Size		Time in mins	
Length	1.00	23	75%
Width	0.30	80	25%
Depth	0.50		

Infiltration Rate

from 75%-25%

1.96021E-05

