BROWNFIELD SOLUTIONS

SOAKAWAY INFILTRATION TEST REPORT

Sa01 — Test 1

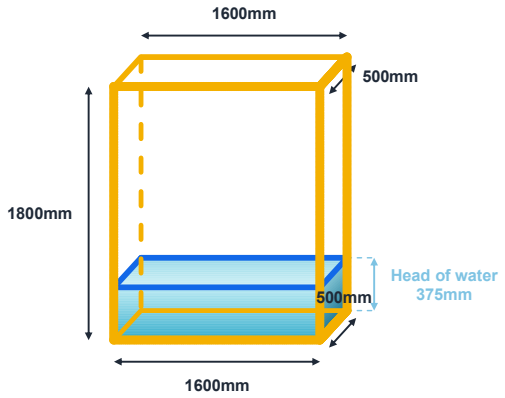
TEST DETAILS							
Location ID	SA01	Test Number	Test 1	Date of Test	28/09/2026	Logged By	TW
Site / Project	C6579 Wrexham FC Training Ground			Checked By	JM		

TEST PIT PARAMETERS											
Length at top (mm)	1600	Length at bottom (mm)	1600	Width at top (mm)	500	Width at bottom (mm)	500	Excavation depth (mm)	1800	Depth tested (mm)	375	mm
Void ratio	1.00	Strata description	Very loose Sand and gravel					Pit details	Open			

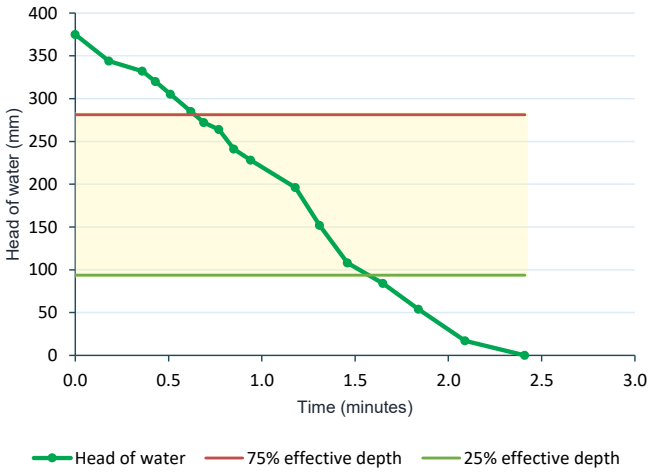
SITE RECORDED DATA

Date	Clock time	Time (mins)	Depth to water (mm)	Head of water (mm)
28/09/2026	08:29:22	0.00	1425.00	375.00
28/09/2026	08:29:33	0.18	1456.00	344.00
28/09/2026	08:29:44	0.36	1468.00	332.00
28/09/2026	08:29:48	0.43	1480.00	320.00
28/09/2026	08:29:52	0.51	1495.00	305.00
28/09/2026	08:29:59	0.62	1515.00	285.00
28/09/2026	08:30:03	0.69	1528.00	272.00
28/09/2026	08:30:08	0.77	1536.00	264.00
28/09/2026	08:30:13	0.85	1559.00	241.00
28/09/2026	08:30:18	0.94	1572.00	228.00
28/09/2026	08:30:33	1.18	1604.00	196.00
28/09/2026	08:30:41	1.31	1648.00	152.00
28/09/2026	08:30:50	1.46	1692.00	108.00
28/09/2026	08:31:01	1.65	1716.00	84.00
28/09/2026	08:31:12	1.84	1746.00	54.00
28/09/2026	08:31:27	2.09	1783.00	17.00
28/09/2026	08:31:46	2.41	1800.00	0.00

TEST PIT CONSTRUCTION



HEAD OF WATER AGAINST TIME



BRE 365 DATA ANALYSIS

Initial head of water	375.00	mm
Minimum recorded head	0.00	mm
Water level at 75% effective depth	281.25	mm
Water level at 25% effective depth	93.75	mm
Interpolated time at 75% level	0.64	mins
Interpolated time at 25% level	1.57	mins
Time to drain 75% to 25%	0.93	mins
Factored volume of water	0.300000	m^3
Volume of water discharged	0.150000	m^3
Discharge area	1.587500	m^2
Soil infiltration rate	**1.013E-01**	**m/min**
Soil infiltration rate	**1.689E-03**	**m/sec**
BRE 365 COMPLIANCE	**Compliant with BRE 365**	

BROWNFIELD SOLUTIONS

SOAKAWAY INFILTRATION TEST REPORT

Sa01 — Test 2

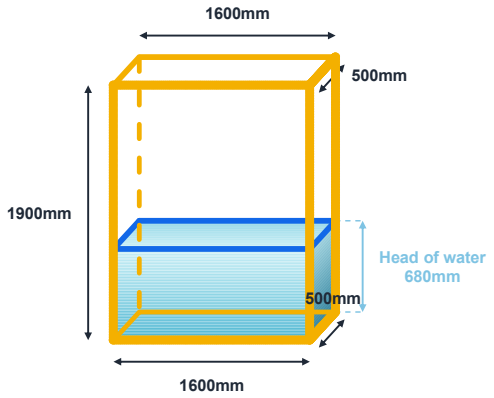
TEST DETAILS							
Location ID	SA01	Test Number	Test 2	Date of Test	28/09/2026	Logged By	TW
Site / Project	C6579 Wrexham FC Training Ground			Checked By	JM		

TEST PIT PARAMETERS											
Length at top (mm)	1600	Length at bottom (mm)	1600	Width at top (mm)	500	Width at bottom (mm)	500	Excavation depth (mm)	1900	Depth tested (mm)	680	mm
Void ratio	1.00	Strata description	Very sandy and gravel					Pit details	Open			

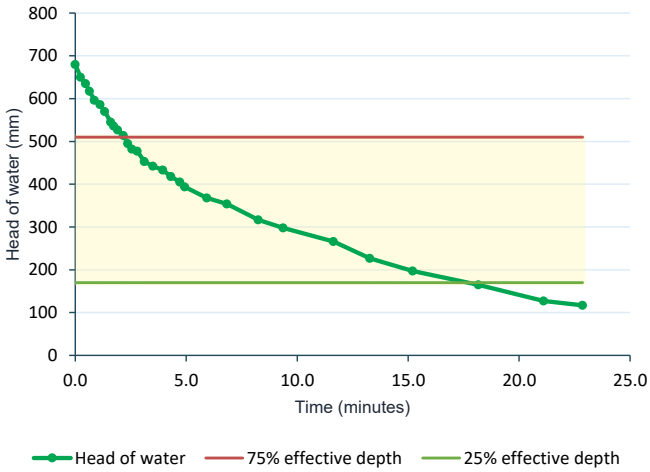
SITE RECORDED DATA

Date	Clock time	Time (mins)	Depth to water (mm)	Head of water (mm)
28/09/2026	09:31:46	0.00	1220.00	680.00
28/09/2026	09:32:01	0.24	1250.00	650.00
28/09/2026	09:32:14	0.47	1265.00	635.00
28/09/2026	09:32:25	0.65	1283.00	617.00
28/09/2026	09:32:38	0.86	1304.00	596.00
28/09/2026	09:32:53	1.12	1314.00	586.00
28/09/2026	09:33:06	1.33	1330.00	570.00
28/09/2026	09:33:22	1.60	1355.00	545.00
28/09/2026	09:33:31	1.74	1364.00	536.00
28/09/2026	09:33:41	1.91	1373.00	527.00
28/09/2026	09:33:57	2.17	1386.00	514.00
28/09/2026	09:34:09	2.37	1405.00	495.00
28/09/2026	09:34:20	2.56	1418.00	482.00
28/09/2026	09:34:35	2.80	1423.00	477.00
28/09/2026	09:34:54	3.12	1447.00	453.00
28/09/2026	09:35:16	3.50	1458.00	442.00
28/09/2026	09:35:43	3.95	1467.00	433.00
28/09/2026	09:36:05	4.31	1482.00	418.00
28/09/2026	09:36:29	4.72	1495.00	405.00
28/09/2026	09:36:43	4.94	1506.00	394.00
28/09/2026	09:37:42	5.93	1532.00	368.00
28/09/2026	09:38:37	6.84	1546.00	354.00
28/09/2026	09:40:01	8.25	1583.00	317.00
28/09/2026	09:41:08	9.37	1602.00	298.00
28/09/2026	09:43:24	11.63	1634.00	266.00
28/09/2026	09:45:03	13.28	1673.00	227.00
28/09/2026	09:46:59	15.21	1703.00	197.00
28/09/2026	09:49:56	18.17	1735.00	165.00
28/09/2026	09:52:53	21.11	1773.00	127.00
28/09/2026	09:54:38	22.86	1783.00	117.00

TEST PIT CONSTRUCTION



HEAD OF WATER AGAINST TIME



BRE 365 DATA ANALYSIS

Initial head of water	680.00	mm
Minimum recorded head	117.00	mm
Water level at 75% effective depth	510.00	mm
Water level at 25% effective depth	170.00	mm
Interpolated time at 75% level	2.21	mins
Interpolated time at 25% level	17.71	mins
Time to drain 75% to 25%	15.50	mins
Factored volume of water	0.544000	m^3
Volume of water discharged	0.272000	m^3
Discharge area	2.228000	m^2
Soil infiltration rate	**7.879E-03**	**m/min**
Soil infiltration rate	**1.313E-04**	**m/sec**
BRE 365 COMPLIANCE	**Compliant with BRE 365**	

BROWNFIELD SOLUTIONS

SOAKAWAY INFILTRATION TEST REPORT

Sa01 — Test 3

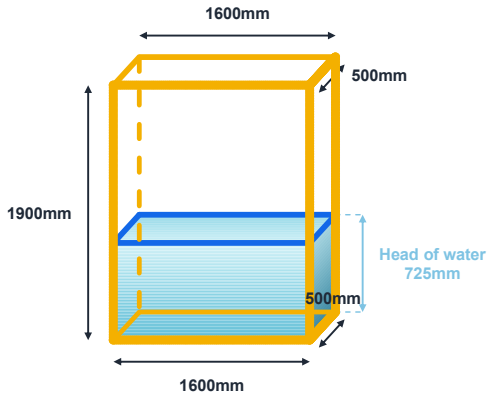
TEST DETAILS							
Location ID	SA01	Test Number	Test 3	Date of Test	28/09/2026	Logged By	TW
Site / Project	C6579 Wrexham FC Training Ground			Checked By	JM		

TEST PIT PARAMETERS											
Length at top (mm)	1600	Length at bottom (mm)	1600	Width at top (mm)	500	Width at bottom (mm)	500	Excavation depth (mm)	1900	Depth tested (mm)	725	mm
Void ratio	1.00	Strata description	Very sandy garvel					Pit details	Open			

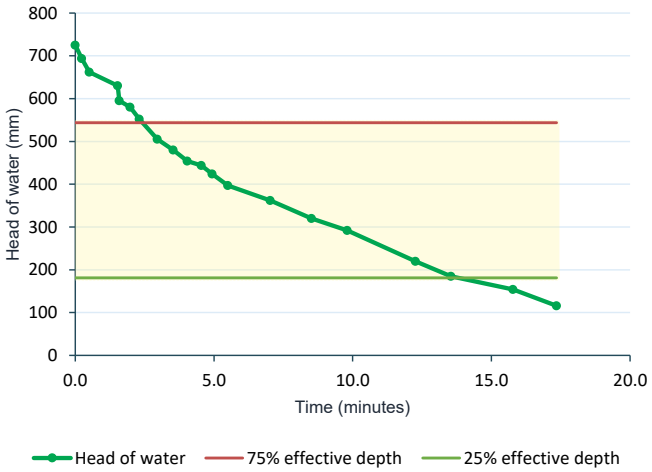
SITE RECORDED DATA

Date	Clock time	Time (mins)	Depth to water (mm)	Head of water (mm)
28/09/2026	11:20:51	0.00	1175.00	725.00
28/09/2026	11:21:05	0.23	1206.00	694.00
28/09/2026	11:21:22	0.51	1238.00	662.00
28/09/2026	11:22:23	1.53	1270.00	630.00
28/09/2026	11:22:27	1.59	1305.00	595.00
28/09/2026	11:22:50	1.98	1320.00	580.00
28/09/2026	11:23:10	2.31	1348.00	552.00
28/09/2026	11:23:49	2.96	1395.00	505.00
28/09/2026	11:24:23	3.53	1420.00	480.00
28/09/2026	11:24:54	4.04	1446.00	454.00
28/09/2026	11:25:24	4.55	1456.00	444.00
28/09/2026	11:25:47	4.94	1476.00	424.00
28/09/2026	11:26:21	5.50	1503.00	397.00
28/09/2026	11:27:53	7.03	1538.00	362.00
28/09/2026	11:29:22	8.52	1580.00	320.00
28/09/2026	11:30:40	9.81	1608.00	292.00
28/09/2026	11:33:07	12.27	1680.00	220.00
28/09/2026	11:34:24	13.55	1715.00	185.00
28/09/2026	11:36:38	15.78	1746.00	154.00
28/09/2026	11:38:12	17.35	1784.00	116.00

TEST PIT CONSTRUCTION



HEAD OF WATER AGAINST TIME



BRE 365 DATA ANALYSIS		
Initial head of water	725.00	mm
Minimum recorded head	116.00	mm
Water level at 75% effective depth	543.75	mm
Water level at 25% effective depth	181.25	mm
Interpolated time at 75% level	2.42	mins
Interpolated time at 25% level	13.82	mins
Time to drain 75% to 25%	11.40	mins
Factored volume of water	0.580000	m^3
Volume of water discharged	0.290000	m^3
Discharge area	2.322500	m^2
Soil infiltration rate	**1.096E-02**	**m/min**
Soil infiltration rate	**1.826E-04**	**m/sec**
BRE 365 COMPLIANCE	**Compliant with BRE 365**	

BROWNFIELD SOLUTIONS

SOAKAWAY INFILTRATION TEST REPORT

Sa02 — Test 1

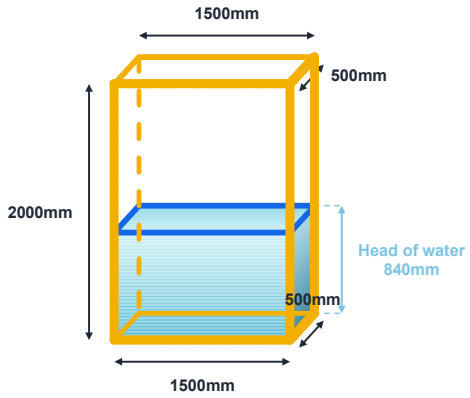
TEST DETAILS							
Location ID	SA02	Test Number	Test 1	Date of Test	29/09/2026	Logged By	TW
Site / Project	C6579 Wrexham FC Training Ground			Checked By	JM		

TEST PIT PARAMETERS											
Length at top (mm)	1500	Length at bottom (mm)	1500	Width at top (mm)	500	Width at bottom (mm)	500	Excavation depth (mm)	2000	Depth tested (mm)	840	mm
Void ratio	1.00	Strata description	Very sandy gravel					Pit details	Open			

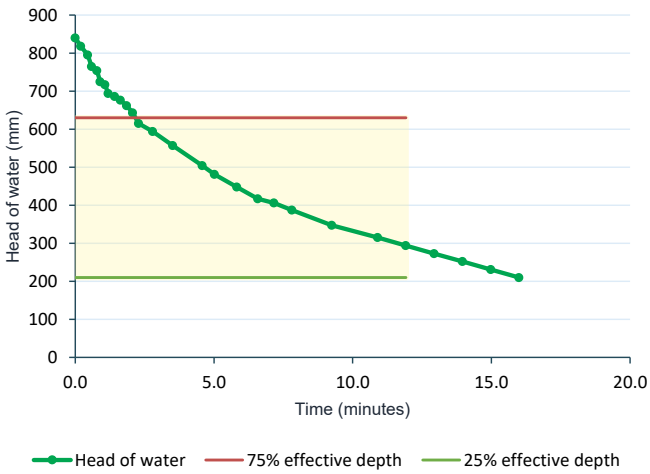
SITE RECORDED DATA

Date	Clock time	Time (mins)	Depth to water (mm)	Head of water (mm)
29/09/2026	07:57:22	0.00	1160.00	840.00
29/09/2026	07:57:34	0.20	1182.00	818.00
29/09/2026	07:57:49	0.45	1205.00	795.00
29/09/2026	07:57:58	0.59	1235.00	765.00
29/09/2026	07:58:09	0.78	1246.00	754.00
29/09/2026	07:58:16	0.90	1275.00	725.00
29/09/2026	07:58:26	1.07	1283.00	717.00
29/09/2026	07:58:34	1.19	1306.00	694.00
29/09/2026	07:58:48	1.42	1314.00	686.00
29/09/2026	07:59:00	1.63	1324.00	676.00
29/09/2026	07:59:13	1.85	1338.00	662.00
29/09/2026	07:59:26	2.07	1357.00	643.00
29/09/2026	07:59:40	2.29	1385.00	615.00
29/09/2026	08:00:10	2.79	1406.00	594.00
29/09/2026	08:00:54	3.52	1443.00	557.00
29/09/2026	08:01:57	4.58	1496.00	504.00
29/09/2026	08:02:23	5.02	1519.00	481.00
29/09/2026	08:03:12	5.83	1552.00	448.00
29/09/2026	08:03:57	6.58	1583.00	417.00
29/09/2026	08:04:32	7.16	1594.00	406.00
29/09/2026	08:05:11	7.81	1613.00	387.00
29/09/2026	08:06:37	9.25	1653.00	347.00
29/09/2026	08:08:16	10.90	1685.00	315.00
29/09/2026	08:09:18	11.92	1706.00	294.00
29/09/2026	08:10:19	12.94	1727.00	273.00
29/09/2026	08:11:21	13.96	1748.00	252.00
29/09/2026	08:12:22	14.98	1769.00	231.00
29/09/2026	08:13:23	16.00	1790.00	210.00

TEST PIT CONSTRUCTION



HEAD OF WATER AGAINST TIME



BRE 365 DATA ANALYSIS

Initial head of water	840.00	mm
Minimum recorded head	294.00	mm
Water level at 75% effective depth	630.00	mm
Water level at 25% effective depth	210.00	mm
User chosen Water Level 1	630.00	mm
User chosen Water Level 2	210.00	mm
Time to drain from Water Level 1 to 2	14.00	mins
Factored volume of water	0.630000	m^3
Volume of water discharged	0.315000	m^3
Discharge area	2.430000	m^2
Soil infiltration rate	**9.259E-03**	**m/min**
Soil infiltration rate	**1.543E-04**	**m/sec**
BRE 365 COMPLIANCE	**Compliant with BRE 365**	

BROWNFIELD SOLUTIONS

SOAKAWAY INFILTRATION TEST REPORT

Sa02 — Test 2

TEST DETAILS

Location ID	SA02	Test Number	Test 2	Date of Test	29/09/2026	Logged By	TW
Site / Project	C6579 Wrexham FC Training Ground			Checked By	JM		

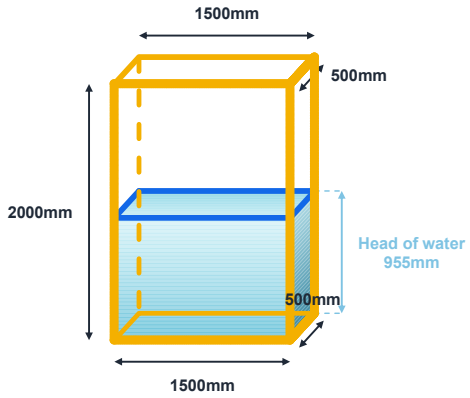
TEST PIT PARAMETERS

Length at top (mm)	1500	Length at bottom (mm)	1500	Width at top (mm)	500	Width at bottom (mm)	500	Excavation depth (mm)	2000	Depth tested (mm)	955	mm
Void ratio	1.00	Strata description	Very sandy gravel					Pit details	Open			

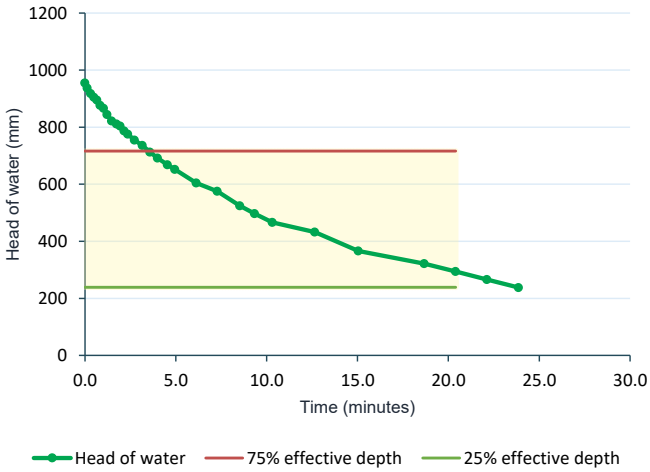
SITE RECORDED DATA

Date	Clock time	Time (mins)	Depth to water (mm)	Head of water (mm)
29/09/2026	09:21:33	0.00	1045.00	955.00
29/09/2026	09:21:40	0.13	1063.00	937.00
29/09/2026	09:21:52	0.32	1082.00	918.00
29/09/2026	09:22:02	0.49	1095.00	905.00
29/09/2026	09:22:12	0.66	1105.00	895.00
29/09/2026	09:22:23	0.84	1123.00	877.00
29/09/2026	09:22:34	1.03	1134.00	866.00
29/09/2026	09:22:46	1.22	1156.00	844.00
29/09/2026	09:23:01	1.47	1178.00	822.00
29/09/2026	09:23:16	1.73	1189.00	811.00
29/09/2026	09:23:29	1.94	1196.00	804.00
29/09/2026	09:23:42	2.16	1213.00	787.00
29/09/2026	09:23:54	2.36	1224.00	776.00
29/09/2026	09:24:16	2.72	1245.00	755.00
29/09/2026	09:24:42	3.16	1264.00	736.00
29/09/2026	09:25:07	3.57	1287.00	713.00
29/09/2026	09:25:32	3.99	1308.00	692.00
29/09/2026	09:26:05	4.54	1332.00	668.00
29/09/2026	09:26:29	4.94	1348.00	652.00
29/09/2026	09:27:40	6.13	1396.00	604.00
29/09/2026	09:28:49	7.28	1425.00	575.00
29/09/2026	09:30:04	8.52	1476.00	524.00
29/09/2026	09:30:53	9.34	1503.00	497.00
29/09/2026	09:31:51	10.31	1534.00	466.00
29/09/2026	09:34:12	12.65	1568.00	432.00
29/09/2026	09:36:35	15.04	1634.00	366.00
29/09/2026	09:40:13	18.67	1678.00	322.00
29/09/2026	09:41:56	20.40	1706.00	294.00
29/09/2026	09:43:40	22.13	1734.00	266.00
29/09/2026	09:45:24	23.86	1762.00	238.00

TEST PIT CONSTRUCTION



HEAD OF WATER AGAINST TIME



BRE 365 DATA ANALYSIS

Initial head of water	955.00	mm
Minimum recorded head	294.00	mm
Water level at 75% effective depth	716.25	mm
Water level at 25% effective depth	238.75	mm
User chosen Water Level 1	716.00	mm
User chosen Water Level 2	238.00	mm
Time to drain from Water Level 1 to 2	16.00	mins
Factored volume of water	0.716250	m^3
Volume of water discharged	0.358500	m^3
Discharge area	2.658000	m^2
Soil infiltration rate	**8.430E-03**	**m/min**
Soil infiltration rate	**1.405E-04**	**m/sec**
BRE 365 COMPLIANCE	**Compliant with BRE 365**	

BROWNFIELD SOLUTIONS

SOAKAWAY INFILTRATION TEST REPORT

Sa02 — Test 3

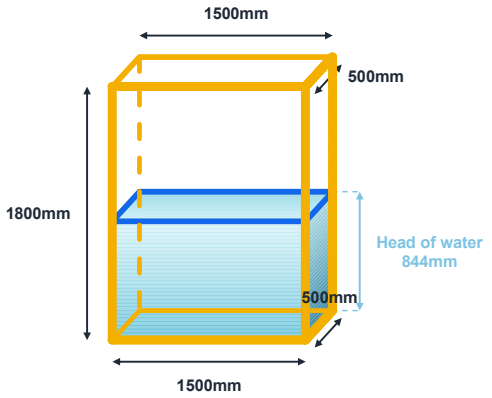
TEST DETAILS							
Location ID	SA02	Test Number	Test 3	Date of Test	29/09/2026	Logged By	TW
Site / Project	C6579 Wrexham FC Training Ground			Checked By	JM		

TEST PIT PARAMETERS											
Length at top (mm)	1500	Length at bottom (mm)	1500	Width at top (mm)	500	Width at bottom (mm)	500	Excavation depth (mm)	1800	Depth tested (mm)	844	mm
Void ratio	1.00	Strata description	Very sandy gravel					Pit details	Open			

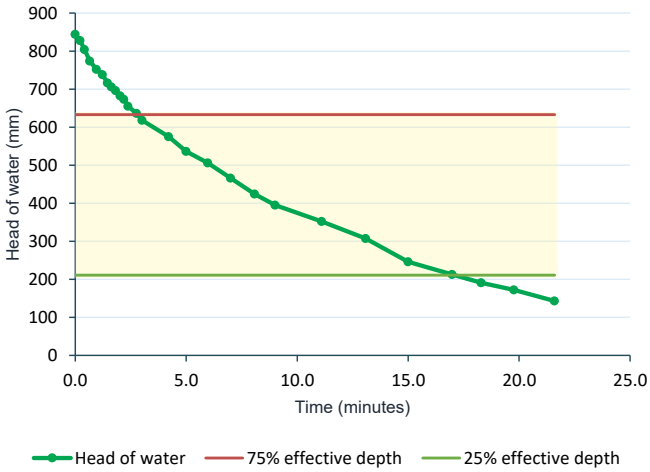
SITE RECORDED DATA

Date	Clock time	Time (mins)	Depth to water (mm)	Head of water (mm)
29/09/2026	10:26:29	0.00	956.00	844.00
29/09/2026	10:26:43	0.22	972.00	828.00
29/09/2026	10:26:54	0.42	996.00	804.00
29/09/2026	10:27:09	0.66	1026.00	774.00
29/09/2026	10:27:27	0.96	1048.00	752.00
29/09/2026	10:27:43	1.23	1062.00	738.00
29/09/2026	10:27:57	1.45	1084.00	716.00
29/09/2026	10:28:07	1.63	1094.00	706.00
29/09/2026	10:28:18	1.82	1104.00	696.00
29/09/2026	10:28:31	2.03	1118.00	682.00
29/09/2026	10:28:41	2.19	1127.00	673.00
29/09/2026	10:28:52	2.38	1145.00	655.00
29/09/2026	10:29:15	2.76	1164.00	636.00
29/09/2026	10:29:30	3.01	1182.00	618.00
29/09/2026	10:30:42	4.21	1225.00	575.00
29/09/2026	10:31:30	5.00	1264.00	536.00
29/09/2026	10:32:27	5.97	1294.00	506.00
29/09/2026	10:33:30	7.00	1334.00	466.00
29/09/2026	10:34:34	8.08	1376.00	424.00
29/09/2026	10:35:30	9.01	1405.00	395.00
29/09/2026	10:37:36	11.11	1448.00	352.00
29/09/2026	10:39:35	13.09	1493.00	307.00
29/09/2026	10:41:29	15.00	1554.00	246.00
29/09/2026	10:43:28	16.98	1587.00	213.00
29/09/2026	10:44:47	18.29	1609.00	191.00
29/09/2026	10:46:16	19.77	1628.00	172.00
29/09/2026	10:48:05	21.60	1657.00	143.00

TEST PIT CONSTRUCTION



HEAD OF WATER AGAINST TIME



BRE 365 DATA ANALYSIS

Initial head of water	844.00	mm
Minimum recorded head	143.00	mm
Water level at 75% effective depth	633.00	mm
Water level at 25% effective depth	211.00	mm
Interpolated time at 75% level	2.80	mins
Interpolated time at 25% level	17.10	mins
Time to drain 75% to 25%	14.30	mins
Factored volume of water	0.633000	m^3
Volume of water discharged	0.316500	m^3
Discharge area	2.438000	m^2
Soil infiltration rate	**9.080E-03**	**m/min**
Soil infiltration rate	**1.513E-04**	**m/sec**
BRE 365 COMPLIANCE	**Compliant with BRE 365**	