



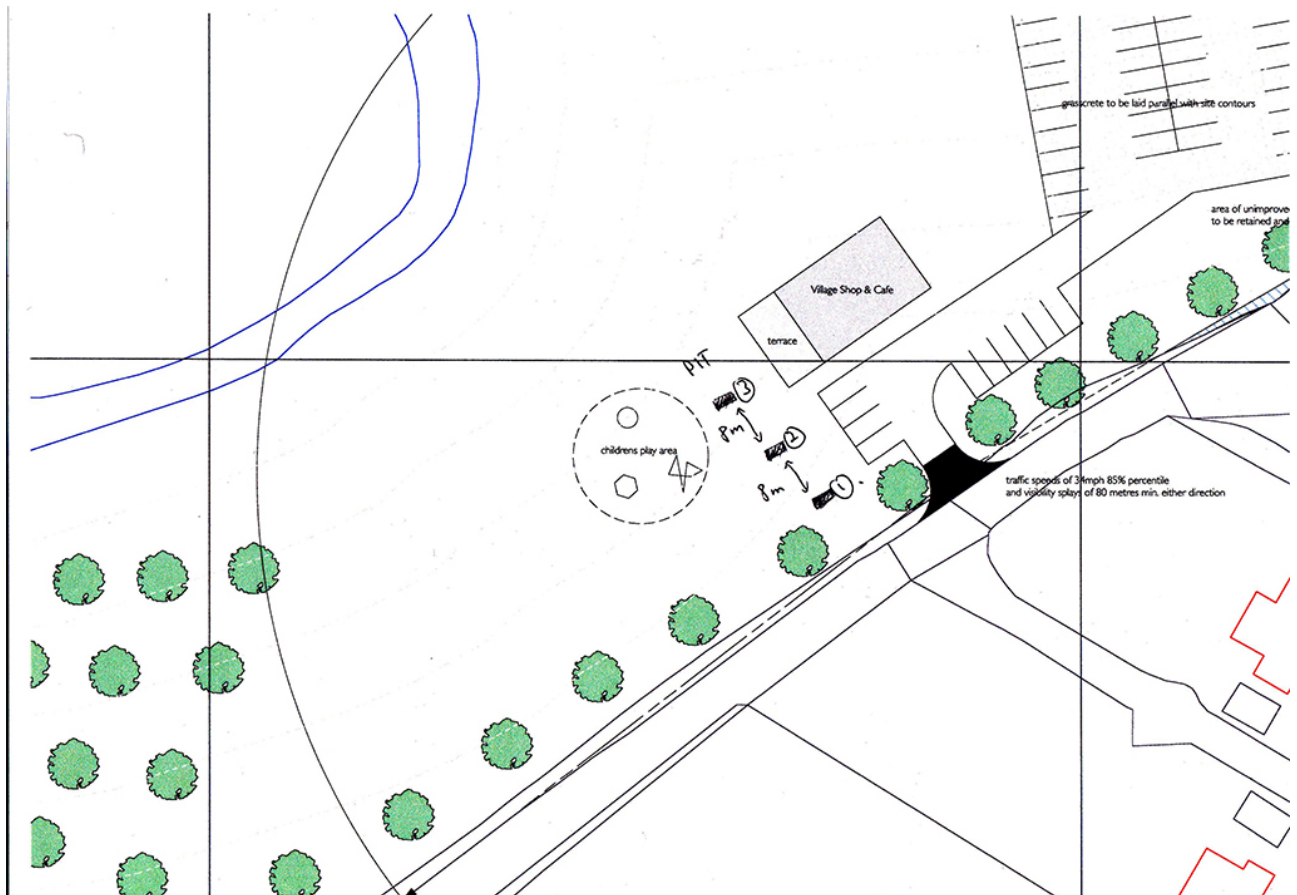
Heart of the Village (Cradley) Ltd

Soak Away Investigation

An investigation has been carried out to determine the infiltration rate of water in the soil. Infiltration tests were undertaken in accordance with BRE365 guidance.

Method

The site plan below shows the location of the proposed development. Three soakaway trenches were dug to the south and south west of the proposed development. These are labeled and marked on the plan below.



All investigations and recordings were completed on February 10 and 11, 2016. A hydraulic digger dug the trenches; the target depth was one meter. The trenches were measured and recorded.

A measuring pole was carefully positioned in each trench and the water was then added. The time that the trench was filled and the water levels were recorded. The water levels were checked and recorded at various times throughout February 10. 24-hours later all trenches were still at least half full so no further tests were completed.

Results:**Trench 1**

Length (m)	1.04	
Width (m)	0.38	
Depth (m)	1.40	
	Time	Water Level (m)
Feb 10, 2016	9.41	1.40
1	10.08	1.38
2	10.35	1.37
3	12.24	1.36
4	12.56	1.35
5	14.36	1.34
6	17.15	1.32
Feb 11, 2016	9.15	1.25

Trench 2

Length (m)	1.03	
Width (m)	0.38	
Depth (m)	1.00	
	Time	Water Level (m)
Feb 10, 2016	9.35	1.00
1	10.00	0.95
2	10.34	0.94
3	10.55	0.92
4	12.23	0.90
5	12.55	0.90
6	14.35	0.88
7	17.14	0.85
Feb 11, 2016	9.13	0.76

Trench 3

Length (m)	1.06	
Width (m)	0.38	
Depth (m)	1.01	
	Time	Water Level (m)
Feb 10, 2016	9.30	1.00
1	9.45	0.92
2	10.10	0.85
3	10.36	0.80
4	10.54	0.75
5	11.25	0.73
6	12.20	0.70
7	12.55	0.68
8	14.34	0.63
9	17.12	0.58
Feb 11, 2016	9.12	0.47

Conclusion

The results from all 3 trenches had similar characteristics as the results show. Trench 3 drained the most but not significantly.

Photographs



Pit 1 on Feb 10, 2016



Pit 2 on Feb 10, 2016



Pit 3 on Feb 10, 2016



All 3 pits on Feb 10, 2016



Filling pit 1 on Feb 10, 2016



Pit 1 on Feb 11, 2016



Pit 2 on Feb 11, 2016



Pit 3 on Feb 11, 2016