

SOAKAWAY TEST TO BRE DIGEST 365

PREPARATION

- Excavate a soakage trial pit to a sufficient size.
- The trial pit should be typically 0.3m to 1m wide and 1m to 3m long.
- Sides should be trimmed and squared vertically and if necessary for stability, filled with granular material. If this is necessary, a full height, perforated, vertical observation tube should be positioned in the pit so that water levels can be monitored with a dip tape.
- Narrow and/or short pits use less water for the test but may be more difficult to trim prior to testing.
- Any significant variation in ground conditions for test depth should be reported to Hydrock.

TESTING

- A lot of water will be required during the test so a water bowser may be required.
- The water inflow should be rapid and filled from the **base of the soak-away to the top of the soak away**.
- Allow the pit to drain to near empty; each time record the water level and time from filling (using the attached tables), at intervals sufficiently close to clearly define water level versus time. The three fillings should be on the same or consecutive days.

	LENGTH	WIDTH	DEPTH
DIMENSIONS OF PIT	1.1	0.4	0.840

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1 st TEST	TIME (MINS)	DEPTH TO TOP OF WATER MEASURED FROM GROUND LEVEL (mm)
14:36	0	0
	2	190
	4	400
	6	500
	8	560
	10	600
	12	630
	14	660
	16	690
	18	720
	20	750
	22	780

2 nd TEST	TIME (MINS)	DEPTH TO TOP OF WATER MEASURED FROM GROUND LEVEL (mm)
15:08	0	0
	2	170
	4	360
	6	470
	8	520
	10	560
	12	600
	14	630
	16	660
	18	680
	20	700
	22	720

3 rd TEST	TIME (MINS)	DEPTH TO TOP OF WATER MEASURED FROM GROUND LEVEL (mm)
15:50	0	0
	4	350
	8	500
	12	590
	16	620
	20	670
	24	720
	28	780