

## INSTRUCTIONS

### Site Preparation and Excavation Instructions O'Reilly Oakstown BAF 8PE Wastewater Treatment System.

- When choosing the location to dig, first consult your **Site Characterisation Report** as submitted to the planning authority. This will show the proposed location of the system and the design of the percolation area in detail. It will also note the presence of rock or a high water table, in which case a rock-breaker or water-pump can be organised in advance. It is important to observe the EPA Separation Guidelines as shown below. See table 1. These show the minimum distance the system and percolation area may be from the house etc.

FEATURE	MINIMUM SEPARATION (m)	
	Oakstown BAF Sewage treatment System Recommendations	
	Oakstown BAF Sewage treatment System	Irrigation Area
Dwelling served	7 <sup>(1)</sup>	10 <sup>(3)</sup>
Adjacent dwelling	7 <sup>(1)</sup>	10 <sup>(3)</sup>
Wall	3 <sup>(1)</sup>	3
Road	4 <sup>(1)</sup>	4
Site boundary	3 <sup>(1)</sup>	3
Portable water source	10	30 - 100 <sup>(2)</sup>
Watercourse	10	10

TABLE 1

- Ensure that there is a solid unimpeded access for the Oakstown truck back to the hole. Clear any build up of clay from around the hole to allow the truck to reverse to within one metre of the hole.
- In very wet conditions, it is best to leave the last few bucketfuls to be dug when the truck arrives. If the ground is rocky, it is advisable to dig the hole ahead of time to minimise delays on-site.
- Ensure there are no power lines or other hazards above the excavation site.
- We recommend an inspection chamber (AJ) be fitted just before the BAF Unit.

### Digging Instructions

- Generally the Oakstown BAF 2-Tank System is installed side by side as follows: See Diagram 1. Dig a hole 3300mm (11ft) square. This comfortably accommodates both tanks and leaves space to fit the connecting pipes. The depth of the hole for the first tank is 1500mm (5ft) below the inlet pipe.

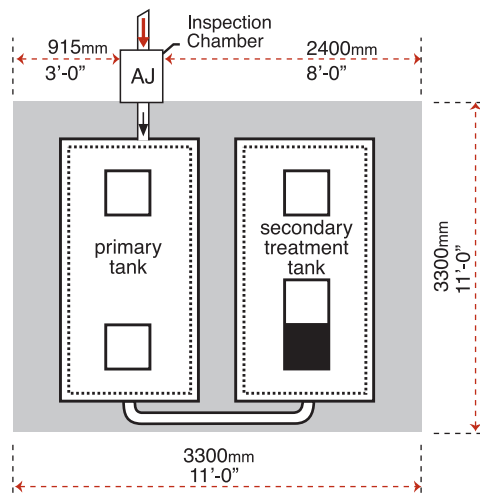


DIAGRAM 1

Two Tank BAF Unit as shown from above



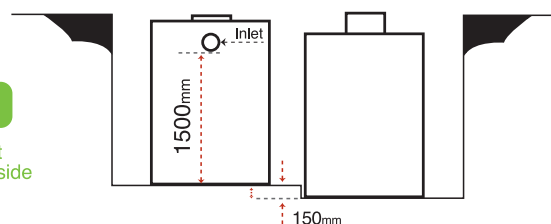
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The second tank sits 150mm (6inch) lower as shown in **Diagram 2**:

DIAGRAM 2

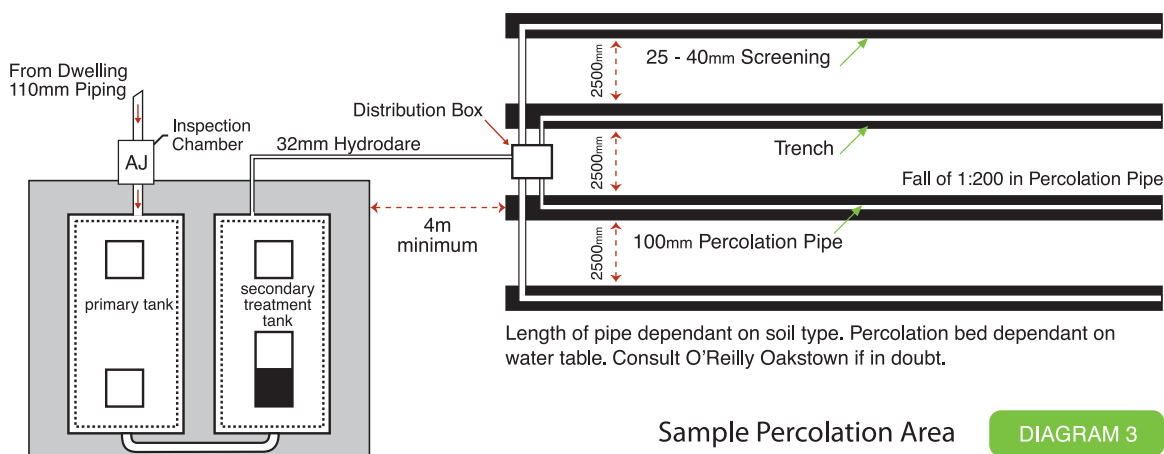
Two Tank BAF unit as shown side by side



- 7 When fitting tanks in **tandem**, dig a hole 6700mm (22ft) long by 1825mm (6ft) wide. Again dig 1500mm (5ft) below the invert for the first tank and drop 100mm (4inch) for the second tank.
- 8 Although it is not essential, a bed of screenings will help to ensure a level surface for each tank.
- 9 Before fitting the connecting pipe, backfill between and around the tanks with clay. Compact the clay underneath the connecting pipe with the digger bucket and cover the pipes with sand/gravel when fitted, to prevent the pipe sinking under pressure.
- 10 Please make sure that the **final finished ground level** is 75mm (3inch) below the top of the risers to prevent flooding of the electronic controls in exceptionally wet weather. If in doubt, we can hold off on commissioning the system until landscaping is finished and fit extra risers then if required.
- 11 Our driver will leave sufficient 7-Core Cable to reach the house. Our technician will commission the system by installing the air pump, water pump and electronic controls and wiring them at the system. He will leave the "internal panel" for connection by your electrician to the mains with the most senior person on site. If there is nobody on site, it will be left inside the "Green Box" on the system itself.

## Percolation

- 12 It is important to refer to the relevant **Site Characterisation Report** for size and design of the percolation area. The following diagram is only a simple outline.



Sample Percolation Area

DIAGRAM 3

(NOT TO SCALE)

## Maintenance

- 13 Please call O'Reilly Oakstown when moving in or when the system has been connected. Our technician will carry out a site visit to ensure the system has been wired, switched on and the risers are above the surrounding topsoil. A technician will visit the site to carry out a full service towards the end of the first year.