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ALTERNATING LEACH DRAIN SYSTEMS

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<u>SOIL CLASSIFICATION</u>		
Number of Bedrooms	SAND	LOAM CLAY
	leach drain (number x length)	leach drain (number x length)
2 or less	2 x 7m	2 x 10m
3	2 x 9m	2 x 13m
4 or more	2 x 10m	2 x 14m

1. LEACH DRAIN SPECIFICATION

1.1 Dimensions

- a) Length _____ (refer to above table)
- b) Dimensions - 840mm wide x 600mm high (4 courses).
- c) Effective Depth - 450mm (3 courses).
- d) **NB:** Lids of Drain - 840mm overall width.

1.2 Sandfill - Clean and Coarse

- a) 2 metres of sand between lengths of drain.
- b) 2 metres of sand to surround external side and ends of drain.
Sand surrounding inverted leach drains to be retained by a clay bund or dwarf brick wall.
- c) 150mm of sand to cover lids of drain.

1.3 Height of Lids

(Dependant upon an assessment of site conditions by an Environmental Health Officer.)

2. DIVERTER DEVICE SPECIFICATION

- a) Outlet from pump pit or second septic tank to discharge to an approved Diverter "Y", Three Way Valve or Diversion Pit.
- b) Stainless steel metal fittings or other approved materials are only to be used in the internal construction of the above devices.
- c) Devices to be constructed so that one outlet to a leach drain is open at all times and the inlet cannot be blocked off under any circumstances by normal operation.
- d) The plate, plunger or lever of the device used to divert flow to either leach drain to be surrounded by a concrete box fitted with a hinged metal lid. Lid to the box to be brought to the surface of the surrounding ground and placed in an accessible position.
- e) All of the above diverter devices are to be approved by the City of Gosnells prior to installation.