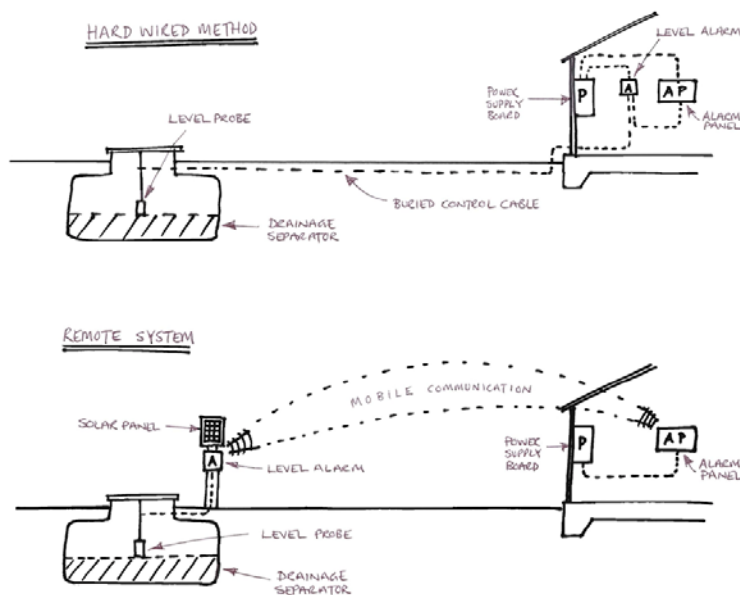


Remote Separator Alarms

During a recent site wide drainage system upgrade, a remote separator alarm system was used. Oil, grease and silt probes were installed in several separators on site. These were connected to a level alarm which activated when a level was exceeded. Traditionally these alarms had been hardwired to a power supply board, meaning either a long run of buried control or power cables. The remote system does away with the hardwiring through the use of solar charged battery power and mobile communication. A remote alarm panel (fitted with a sim card) is located in an optimum position on site. Each level alarm (also fitted with a sim card) can then be located adjacent to its relevant separator, powered by a small solar panel and communicating back to the remote alarm panel by mobile communication. The alarm panel is connected to the BMS system which gives a visual alarm display at selected FM computers.



- Cable excavations and ducting are minimised.
- Level Alarms can be conveniently placed next to separators, reducing cable runs.
- A single location for the Remote receiver alarm panel makes maintenance checks easier.
- Use of Solar Power reduces energy consumption.
- Mobile communication costs are minimal (£1/month per sim card @ 12/2009)

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