

Quote Ref: 0331/02/R/TTS/NPC

REF: Bumbles Green Leisure Center drainage works / testing (report).

Dear Madam,

Following initial visit and subsequent dye testing. we comment as follows:

- Foul waste residue was present around building under adjacent timber shed, within car park and approach road, approximately 2M into playing fields, on grass area between car park and adjacent dwelling, and around adjacent dwelling.
- We determined the foul waste had discharged from 2No chambers, adjacent to Leisure Centre building, possibly due to blockage or collapse of drain run down stream of chambers.
- We were instructed and carry out dye testing all to determine connections, runs and flow of drainage system (please see sketch attached).
- It was found that drainage from buildings upstream (from field) and Leisure Centre drainage were one single system, which had been altered at some point, incorporating a very tight righthand turn into new drainage run.
- Discharged from upstream was foul waste.
- The flow from upper filed into chambers 1 & 2 and from 2 to 4, was found to be slow and restricted.
- We conclude at the very minimum a blockage exists between chambers 2 and 4, possibly a collapse.
- The flow from chambers 4 to 5 was very good.
- Chamber 5, out to main road drainage was found to flow very well.
- 2No inlets from dwellings (1No from each side of access road) flowed through chamber 5, both were free flowing.

Conclusion:

- The drainage system between chambers 1 to 2 and 2 to 4 is restricted and flowing very slowly.
- The recent rainfall has overwhelmed the system from upstream
- This resulted in discharge of foul waste from chambers 1 & 2 and contamination around building and below adjacent timber shed, within car park and approach road, within playing field and grass area, between car park and adjacent dwelling and around dwelling.

Recommendations:

- We suggest that use of the general car park and grassed playing fields within a 4 m width from the field fence by the length of the car park and in line with the rear of the cottage should be closed off to the public until such time decontamination has taken place.
- The decontamination around adjacent dwelling is a matter of urgency.
- Installation of new section of drain run and bypassing of unused chambers 1, 2 and 3, that will also remove possible blockage / collapsed drain run section.
- Carry out flow test and report on findings following the works.

