

D E Spencer & Sons UK Ltd
Nupend
Stonehouse
Gloucestershire
GL10 3SS
01453 822764
12 October 2020

RE: Churchdown Parish Council. Churchdown Recreation Park, Ponds Survey

On Tuesday 6 October 2020, I visited the site of the ponds we constructed back in 2012. I managed to uncover most of the pipework, where the pipes are laid at water level, some of the ponds are linked with a low level pipe, about 300 – 400mm below water level, others, the pipes are at water level.

Most of the ponds are working well with water levels at the designed level, the only one being slightly high is reed bed A, which has a water level 125mm higher than the design level, the inlet pipe should be running clear but is 70% submerged.

This should be easily rectified by clearing around the outlet pipe, which is about 500mm below water level and connects at a low level to pond A.

Around the other ponds, I cleared away excess reeds from the inlet and outlet pipes to ensure they are running correctly.

Water is passing through all of the ponds and outletting into the watercourse at the main outfall. I would not recommend carrying out any maintenance work at this stage, other than possibly more clearing around pipework to improve flow and reduce chances of blockages and, attempt to reduce the water level in reed bed A, by excavating down to the outlet pipe and cleaning or replacing some of the filter media surrounding the pipe.

The following pages show photos of all of the inlet and outlet pipes of each pond, some not visible as they are low level connections. These low-level connecting pipes are clear of obstructions.

Also attached are the original plans we were working to, these show all of the ponds and reed beds and which are connected with high or low level pipework.

Yours sincerely

Clive Spencer
D E Spencer & Sons UK Ltd

Photo shows 225mm pipe supplying Reed Bed A, from the nearby manhole, this pipe should be running clear and is about 70% submerged.



Location of pipe from Reed Bed A, pipe is around 500mm below water level and is surrounded with a filter media. Cleaning or replacing some of the media should reduce the water level so that the inlet pipe is clear.



Photo shows location of pipe into Pond A, low level connecting pipe





Outlet pipe from Pond A, high level, this pipe sets the water level in Pond A.



Inlet pipe to Pond B, high level, running clear, bottom photo shows the outlet pipe from Pond B, low level, just visible below water level.



Location of inlet pipe to Pond C,
low level connection



Outlet from Pond C, high level,
running clear, bottom photo shows

the inlet pipe to Pond D



100mm land drain from the playing field, outfalling into Pond D



Outlet pipe from Pond D, low level.
Bottom photo shows low level pipe
inlet to Pond E.



Pipe outlet from Pond E



Inlet pipe to Reed Bed B, bottom photo shows the outlet pipe from Reed Bed B, this is a 150mm pipe added after the original low level pipe was installed. This was because the water did not drain quickly enough through the filter media. The 150mm pipe was installed to maintain the water level.



