

Flood Engineer's Summary of Findings

Watercourse 1

This is going to be cleared imminently by Thame Town Council once they have attained all quotes from contractors.

This work needs to be completed by the 01/04.

Cox Wood

The water appears to be trapped in this area and needs connecting up to watercourse 1 as far downstream as possible, once watercourse 1 has been cleared. With this land being higher than that of watercourse 2, this water cannot be left to build up.

Connection between watercourse 1 and watercourse 2

This needs to be properly managed, with all water remaining in watercourse 1, for as long as possible. Will suggested a pen stock valve.

Watercourse 2

The watercourse will need to be carefully graded in accordance with the proposed levels in red that I have provided at various meterage to assist the contractor. You will note that I have allowed for a 0.1 m freeboard (siltation area) beneath the 0.15 m pipe at the downstream end. The aim here is to absolutely maximise the capacity of the watercourse at the rear of the properties, whilst ensuring there is a positive gradient for the water to drain down.

There is a fallen tree around + 191 m that needs removing.

The tree recorded on the topo may be obstructing flow, so widening of the channel may need to be considered, if it transpires that this is the case.

This work needs to be completed by the 01/04.**(it has subsequently been agreed with the engineer that removal of vegetation growth and high spots are the most urgent maintenance requirements for watercourse 2 by this date – the full change in levels can follow)**

Pond area adj to Cuttlebrook

This area is full of silt and needs clearing. I appreciate any works within 8 m of the Cuttlebrook may require consent from the EA and therefore, the EA will need to be engaged with. Can you assist with this Gareth?

Bund

With regard to the bund, I am going to put some drawings together soon. However, for information and so you can review against existing levels, the crest level of the bund will be proposed at 106.16 . This information is also provided on the attached.