

Redbourne Parish Council

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Notes of the Redbourne Flooding Update meeting held at 11.00am on Thursday 27th May 2021, via Microsoft Teams.

Present:

Ward Councillors:	Cllr Neil Poole Cllr Trevor Foster Cllr John England
NLC Officers	Chris Ramsbottom - Head of Service Assets and Infrastructure Alan Drury - North Lincs Council Mike Brown – North Lincs Council Mike Simpson – North Lincs Council Mick Johnson – North Lincs Council
Pell Frischmann	Jonathan Hubbard Stephen Maxwell
Redbourne Parish Council:	Cllr Lynn Wainwright, Chair. Holly Hanson, Clerk to Redbourne Parish Council

2 members of the public attended.

Chris Ramsbottom opened the meeting.

Mike Brown gave an update on works progress to date.

Proposed new headwall and trash screen and associated culvert works at B1206 – The Design of the headwall and Trash screen located off the B1206 is complete.

A Bill of Quantity for the trash screen/headwall works has been priced by the Contractor.

This headwall and trash screen works will follow on from the Emmerson House channel works. It is anticipated the programme of works will take 2-3 weeks to complete.

Clearway are programmed to commence Culvert patching and lining works on the 27/05/21 on the culvert under the B1206 as identified by CCTV survey and previous inspection.

Downstream flood mitigation works (Emmerson House area) – Design and modelling works have been completed to restore and increase capacity through the existing channel within the curtilage of Emmerson House.

Terms have been agreed between NLC and the Landowner for access/site storage requirements for the Construction works within the grounds of Emmerson House. NLC have also programmed Tree works for w/c 21/06/21 to permit entry to Emmerson House from the adjacent field for Contractor's access and site storage requirements.

The IDB Contractor has confirmed lead-in times of materials and estimates programme of works to take between 3-4 weeks on site.

NLC to issue BoQ to Contractor for Emmerson House works w/c 24/05/21.

July 2021 commence works on site, this programmed start date is dependent on legal issues been fully resolved and relevant permissions in place.

Downstream flood mitigation works (Relief Channel) – The Design of the downstream relief channel element is now complete. NLC Estates & Property Team are currently engaged in negotiations with the Landowners

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regarding land acquisition options. The programme and delivery of this phase of works will follow on from any such agreements.

A15 Island Plantation flood storage area – The design of the upstream storage element, following input and investigation by NLC has been completed.

NLC are currently engaged in negotiations with the Landowners regarding land acquisition options. The programme and delivery of this phase of works will follow on from any such agreements.

Pell Frischmann's Surveying Contractor attended the A15 attenuation pond Site 15/05/21 to peg out the proposed extents of land required, as requested by the Landowner.

Discussions have been held with NLC's Ecology Officer and interest expressed over replanting of the area through the Northern Forest Initiative. A meeting is to be held with the local Woodland Trust representative to agree planting detail in line with the Northern Forest Guidance. The aim is to arrange this meeting early June 2021.

A landowner commented that from their perspective nothing had happened, they had still not received Heads of Terms as requested, and there had still been no discussions with NLC past the initial meeting with NLC Surveyors. There had been no full explanation from engineers as to how they envisaged the site to be developed, and no conservation plan. The Landowner wished it to be noted that he still maintained that the Cause of flooding was inadequate culverts, that they had seen nothing to convince them that this was not the case, and therefore was not convinced that the planned works would resolve the issues.

Chris Ramsbottom confirmed that Heads of Terms should be with the Landowner shortly.

The landowner stated that specifically the culverts in School Lane, if replaced would need to be replaced with box or slab culverts,

Jonathan Hubbard responded that some are bridging units, and some are more substantial, however the major issue with changing them was land issues and the impact on private land of what would be a large construction job. Box Culverts would only serve to move the problem downstream so all culverts would need to be replaced and this would destroy the visual beauty of the Beck. Attenuation slows the flow of water to what the existing culverts can cope with.

Chris Ramsbottom asked for explanation of the methodology of the plan.

Jonathan Hubbard responded that there would always be a flood risk, and whilst the Attenuation Pond would reduce the number of flood events, there would always be occasions where it would not hold the water back sufficiently. The system had been designed for a 120minute storm event, not back-to-back storms, and that the data was from a base level of the ground being completely saturated, so the system is designed for a rain event on top of this.

A Landowner asked how important regular supervision and maintenance was to the system.

Stephen Maxwell responded stating that it is essential and there is a necessity for regular planned maintenance.

Chris Ramsbottom confirmed that there would be a regular planned maintenance schedule put in place and adhered to.

Cllr Wainwright wished to emphasise the importance of maintenance as this has not historically been carried out routinely, citing a blocked pipe at the Attenuation Pond that had been blocked since the land was cleared, therefore the current maintenance schedule is not being adhered to.

Cllr Poole asked for further details of the catchment area of Redbourne Beck.

Jonathan Hubbard displayed a map and explained that the A15 acts as a throttle for the Beck due to the culvert under the road. The catchment area for the Beck would take in all upstream water.

Cllr Poole asked what would happen if there was a further restriction at the A15 to act as a bund upstream of the Attenuation Pond so water could not come from the West. Stating that the topography of the land was sloping, and felt that this option should have already been investigated.

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Jonathan Hubbard responded that it was looked at early on in the scheme, however the topography of the land would result in this creating a statutory reservoir, requiring emergency arrangements for drawdown which would be costly and would also restrict future developments.

A representative of a landowner asked if further explanation of the effect downstream of removing the culverts could be provided.

Jonathan Hubbard shared the hydraulic model, showing that some of the culverts would 'pond' as their capacity was reached, and to successfully enlarge all the culverts would require the entire beck to be reprofiled and would be 2-3metres wide at some points with a very sterile concrete appearance. In addition, flow also rises up at bends which would require an increase in pipe size. Widening the Beck would cause massive disruption to the Village

The representative of the landowner asked if a narrower channel would 'push' the water through the Village faster.

Jonathan Hubbard responded that up to a point this would be the effect, however then the narrow width would cause turbulence which would slow the flow of water.

Cllr Wainwright stated that listening to the attendees from Pell Frischmann was reassuring, but stated that this sharing of information should have happened far earlier in the scheme. Going on to state that communications had been appalling throughout which had caused much resentment in the Village, as residents had not been informed or consulted.

Jonathan Hubbard stated that COVID restrictions had changed working practices, and that there would usually have been a site visit on a project such as this but stated that he would be happy to visit now if this would be beneficial.

Cllr Poole stated that for all parties to feel confident Pell Frischmann need to attend a site meeting.

All parties agreed that this was a necessary next step.

Action:

Site visit to be arranged with Pell Frischman, NLC Officers, Parish Council, Landowners and residents.