

Bolsover District Council

Executive

13th June 2016

Pleasley Vale – Mill 1 Dam Wall

Report of the Leader of the Council

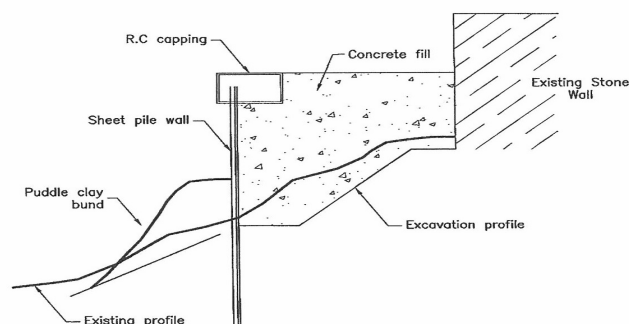
This report is public

Purpose of the Report

- To secure agreement to undertake essential work to Pleasley Vale Mill 1 pond including the identification of the necessary funding.

1 Report Details

- 1.1 Following concerns over water leakage through mill 1 dam wall, the council appointed Structural Design Associates, a consultancy civil and structural engineering company to carry out a structural appraisal of the dam wall.
- 1.2 They found that the stonework to the wall was in poor condition and water loss was evident through voids in the wall and at the base of the wall, that there are fractures to the outfall pipe work and fractures in stonework and concrete.
- 1.3 In order to put in place a robust permanent solution, a new dam wall will need to be constructed in front of the existing wall. This could either be constructed by using sheet piles backfilled with concrete (see diagram below) or through the use of a gabion basket wall construction. The cost of the work is estimated to be in the region of £150,000 for the sheet pile solution and around £120,000 for the gabion wall.



1.4 Planning permission will be required prior to starting any work on site and may have an impact on the preferred solution.

2 Conclusions and Reasons for Recommendation

2.1 It is strongly recommended that funding is allocated to deal with the issues with the dam wall. While there are not thought to be any concerns over the structural stability of the wall, at this point in time, if no action is taken, it is anticipated that the condition of the wall will only get worse over the coming months and years. At some point in time it will be necessary to address the structural stability of the dam wall, and in the meantime were it decided not to proceed then continued monitoring of the position – which would come at a cost – would be necessary.

3 Consultation and Equality Impact

3.1 Through consultation with the Leisure department it became evident that they had a desire to undertake enhancement work in the form of bank clearance works, dredging of the pond to remove a build up of silt and removal of the island in the middle of the pond. The work proposed through this report is to make the dam wall safe and does not include any costs associated with this additional work. The additional work is estimated to bring with it additional cost in the region of £100,000. If Executive were minded to consider this approach then a further report including a Business Plan outlining the proposed scheme together with the benefits of that scheme would be required.

4 Alternative Options and Reasons for Rejection

4.1 To do nothing, however this is likely to mean that the mill pond wall will continue to degrade, with the work identified still required at some point in the future.

5 Implications

5.1 Finance and Risk Implications

These are outlined in the body of the report. Given the scale of the project it will be charged against the Capital Programme. In the first instance it is recommended that such costs are funded from capital receipts with funding from the Transformation Reserve used if insufficient receipts are available.

5.2 Legal Implications including Data Protection

None

5.3 **Human Resources Implications**

None.

6 **Recommendations**

- 6.1 That Executive approve the inclusion of this scheme within the Capital Programme at a cost of £150,000 funded from capital receipts with officers to procure and implement the most cost effective solution to providing an upgraded Mill 1 pond dam wall.
- 6.2 That Executive consider whether the enhancement work highlighted by the Leisure Department in section 3 of the report is of sufficient priority to request a further report back (including a Business Case) on that element of the work.

7 **Decision Information**

Is the decision a Key Decision? (A Key Decision is one which results in income or expenditure to the Council of £50,000 or more or which has a significant impact on two or more District wards)	Yes
District Wards Affected	Pleasley
Links to Corporate Plan priorities or Policy Framework	All Priorities indirectly.

8 **Document Information**

Appendix No	Title
Background Papers (These are unpublished works which have been relied on to a material extent when preparing the report. They must be listed in the section below. If the report is going to Cabinet (NEDDC) or Executive (BDC) you must provide copies of the background papers)	
Report Author	Contact Number
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