

Scheme Title: 6. Park View Drainage Improvements

Description of Scheme:

The project involves improvements to the existing drainage system at Park View playing fields.

The football pitches are served by a series of land drains which drain into a submersible pumping station, which in turn, pumps the surface water into Liggard Brook.

This issues with the site are:-

- The football pitches nearest at the periphery site (north end nearest the school) frequently flood, with the remainder being frequently boggy, and unplayable
- The pumping station frequently cannot cope with the volume of surface water
- The outfall from the pumping station becomes frequently compromised or blocked by high water levels in Liggard Brook
- There is no facility in the valve chamber for an auxiliary suction

Some of the problems have been compounded by a backfilled ditch at the north end of the site boundary, and higher adjacent ground levels. It is proposed to construct a swale in this location and use the backfill as a bund, on the line of the old ditch, to provide additional storage capacity during periods of prolonged heavy rainfall. In addition, localised regrading and levelling will be undertaken to prevent standing water.

It is also proposed to re-construct the submersible pumping station, increasing the size of the wet well, providing pumps of greater capacity, providing a new valve chamber with an auxiliary suction, and providing a new raised outfall into Liggard Brook. The existing pumps are over 14 years old and approaching the end of their design life.

The proposed auxiliary suction in the valve chamber will permit a vactor to suck out the contents of the wet well. The current arrangement makes it very difficult to position a hose in the bottom of the wet well to perform this task and does not comply with industry guidelines.

Over recent years, the level of Liggard Brook has increased, meaning the outfall is frequently under water. Re-construction of the outfall will enable it to be raised and discharge more freely.

A detailed breakdown of the funding strategy is detailed below –

Capital cost plan:

Cost Heading	Description	Total £
Swale and bund	Creation of a natural looking seeded hollow and bank	6,000
Grading and Levelling	Localised regrading to the Northern Boundary	8,000
New wet well	Increase size of circular wet well	8,000
New pumps	Replace 2 no. pumps of greater output	5,000
New valve chamber & associated pipework	Demolish and rebuild a larger surface level chamber	2,500
New outfall & associated pipework	Demolish and build new higher level outfall headwall	5,000
Preliminaries	Site offices, welfare, fencing 15%	4,000
Contingencies		1,500
Total Scheme Cost:		£40,000

Outputs (i.e. details of what the investment will specifically deliver):

- To improve the land drainage of the existing playing fields
- To meet statutory health and safety and industry requirements
- Safer working environment
- Reduce the risk of football fixtures and events being cancelled
- Wider enjoyment of playing fields from general users

Contribution to corporate objectives (how does the proposal achieve or help deliver priorities within the Corporate Plan and other key corporate strategies?)

- Environment - Provide coastal defences and drainage infrastructure to protect against flooding
- Environment - Provide high quality parks and open spaces
- Tourism - Provide high quality leisure, tourism, arts, sports and recreation facilities

Budget Resource Requirements - Breakdown of initial capital costs and future revenue implications

Estimated **Total Capital costs** of bid: **£40,000**

Annual future **additional Revenue costs** arising from the bid as applicable: Nil

Value and phasing of bid (amend dates as necessary):

2021/22 £40,000	2022/23 £000	2023/24 £000	2024/25 £000	Total £000

Existing resources in the Capital Programme relating to this scheme (as applicable):				
2021/22 £000	2022/23 £000	2023/24 £000	2024/25 £000	Total £000
Estimated timescales for the bid:				
Project Start Date : May 2021		Project Completion Date: September 2021		

Project Risks (outline any risks to delivery of the project and how these will be mitigated)		
Risk	Impact	Mitigating Action
Inclement weather and heavy ground frustrates contract	Increase cost and disturbance	Work planned for summer months
Football and sports fixtures affected and subsequent claims	Increased costs	Close liaison with Sports Development Officer and sports clubs and work programmed outside football/sports season
Pumps downtime during decommissioning coincides with adverse weather resulting in flooding	Increased costs and disturbance	Work planned for summer months and auxiliary pumps provided

Endorsement of bid by Director		
Signature 	Position: Director of Development Services ...	Date 15 December 2020