

**Proposed Decision to be taken by the
Deputy Leader (Finance and Property) on or after
21 July 2017**

**Addition of Cherington Flood Risk Management Scheme to
the 2017/18 Capital Programme**

Recommendation

That the Deputy Leader (Finance and Property) adds the Cherington Flood Alleviation scheme to Warwickshire County Council's 2017/18 capital programme.

1.0 Key Issues

- 1.1 Warwickshire County Council's (WCC) Local Flood Risk Management Strategy provides the structure for how it assesses local flood risk in Warwickshire. The associated Surface Water Management Plan provides the prioritisation for flood risk management work.
- 1.2 Cherington has a history of repeated flooding and the work that has been done in modelling and developing flood mitigation solutions in Cherington is consistent with WCC's strategic objectives and plans.

Scheme specific details are included below:

Cherington Project

- 1.3 The village of Cherington lies 5km southeast of Shipston-on-Stour and is located on the River Stour.
- 1.4 The main source of flooding risk to the village is surface water from a steep sided catchment overwhelming local drainage features.
- 1.5 In May 2016 WCC Flood Risk Management team was successful in obtaining £35,000 'Local Levy' funding from the Regional Flood and Coastal Committee and we have used this to develop a model which linked surface water flow paths with a two dimensional topographical information to better understand the flooding mechanisms impacting Cherington, undertake an options appraisal and develop a business case to support a further bid for additional grant funding to deliver a capital scheme.

- 1.6 Of all the options appraised, the provision of Property Level Resilience measures (PLR) provided the most cost effective solution.
- 1.7 PLR surveys have been carried out at 15 properties and approval of the business case has been granted by the Environment Agency (EA). This has secured the additional £64,850 Flood Defence Grant in Aid (FDGiA) funding to deliver a capital scheme.

2.0 Options and Proposal

- 3.2 A number of options have been considered with PLR being identified as the preferred and the most economically viable option to reduce internal property flooding within Cherington village.
- 3.3 The initial focus of the options appraisal concentrated on providing attenuation and increasing conveyance through the village by upsizing existing culverts but these options proved too expensive.
- 3.4 The specific proposal is for PLR to 15 properties. These properties were identified after a flood risk mapping exercise and community engagement with residents who expressed an interest in participating in the scheme. Individual property owners will be responsible for ongoing maintenance.
- 3.5 The protection provided will be tailored to the specific needs of each property being defended. Typical protection would include installation of anti-flood air brick and vent covers, flood doors, demountable flood barriers, sump pumps beneath floor level and waterproofing to external walls and other porous surfaces.
- 3.6 Procurement will be via competitive tendering.
- 3.7 The financial implications from this approval request are:

The total scheme estimate is £135,500 which includes internal staff time, property surveys and contract delivery.

WCC has received one grant towards the cost of this scheme of £35,000 from the Regional Flood and Coastal Committee. This has been spent in completing the feasibility and appraisal. It is proposed to leave this as revenue expenditure.

WCC have now been allocated an additional £64,850 from the EA to deliver the proposed scheme.

An additional £35,700 will come from the funding given by WCC for Flood Risk Management over the period 2014 to 2018.

It is proposed that these last two items, amounting to £100,550, forms the capital scheme.

3.0 Timescales associated with the decision and next steps

3.1 Subject to approval the installation of PLR could commence in October 2017.

Supporting Papers

Appendix 1: E mail / Letter from the Environment Agency confirming approval of a property level protection scheme in Cherington.

Appendix 2: Outline project delivery programme

Background Papers

None

	Name	Contact Information
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The report was circulated to the following members prior to publication:

Local member: Councillor Jo Barker

Other Members: Councillors N.Davies and Dirveiks



Barry Ridgway <barryridgway@warwickshire.gov.uk>

RE: PAFS - Progress Update

1 message

Vincent, Sarah <sarah.vincent@environment-agency.gov.uk>
To: Barry Ridgway <barryridgway@warwickshire.gov.uk>

13 June 2017 at 08:26

Morning Barry,

I'm glad you had a lovely break, I've definitely got USA on my list of destinations in the near future so I'll look into Southern USA. My break was great thank you, didn't get away but very relaxing at home.

I believe someone in my team completed a couple of partnership funding calculators for Princethorpe, Long Marston and Queens Road so they all got submitted. We had to make a few changes to a couple of the projects to ensure the figures and gateway dates etc. added up so it might be worth us having a catch up in the next couple of weeks to run through all the projects and where they are in the programme refresh.

Positive news is that both Ladbroke and Cherington have been approved so it's just the paperwork that needs to follow. Apologies for not sending through the approval letters sooner, I've drafted them and now need to get my Area Flood Risk Manager, Ian Jones, to sign them before sending them out. For your reference the scheme numbers are below and will be confirmed in the approval letters.

Cherington - LDW 42108

Ladbroke - LDW 42105

Many thanks,

Sarah

Sarah Vincent

Advisor | Partnership and Strategic Overview Team

West Midlands Area | covering Birmingham, Solihull, Coventry & Warwickshire

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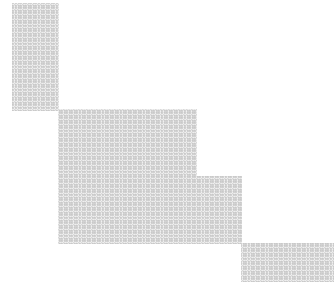
Contract 1 - PLR

Week Commencing

12/06/2017
 19/06/2017
 26/06/2017
 03/07/2017
 10/07/2017
 17/07/2017
 24/07/17
 ?

Tender Process

Secure Approval to commence procurement (Head of Service)
 Create Project on CSW Jets
 Advertise for potential Suppliers and gain expressions of interest
 Finalise Invitation to Tender and issue to suppliers
 Tender Period
 Tender Evaluation
 Secure Approval to Award
 Potential stand-still period (Opportunity for objections)
 Contract Award/ Notify unsuccessful tenderers/ Finalise project on CSW jets/
 Raise Purchase Order



Product Selection and Agreement

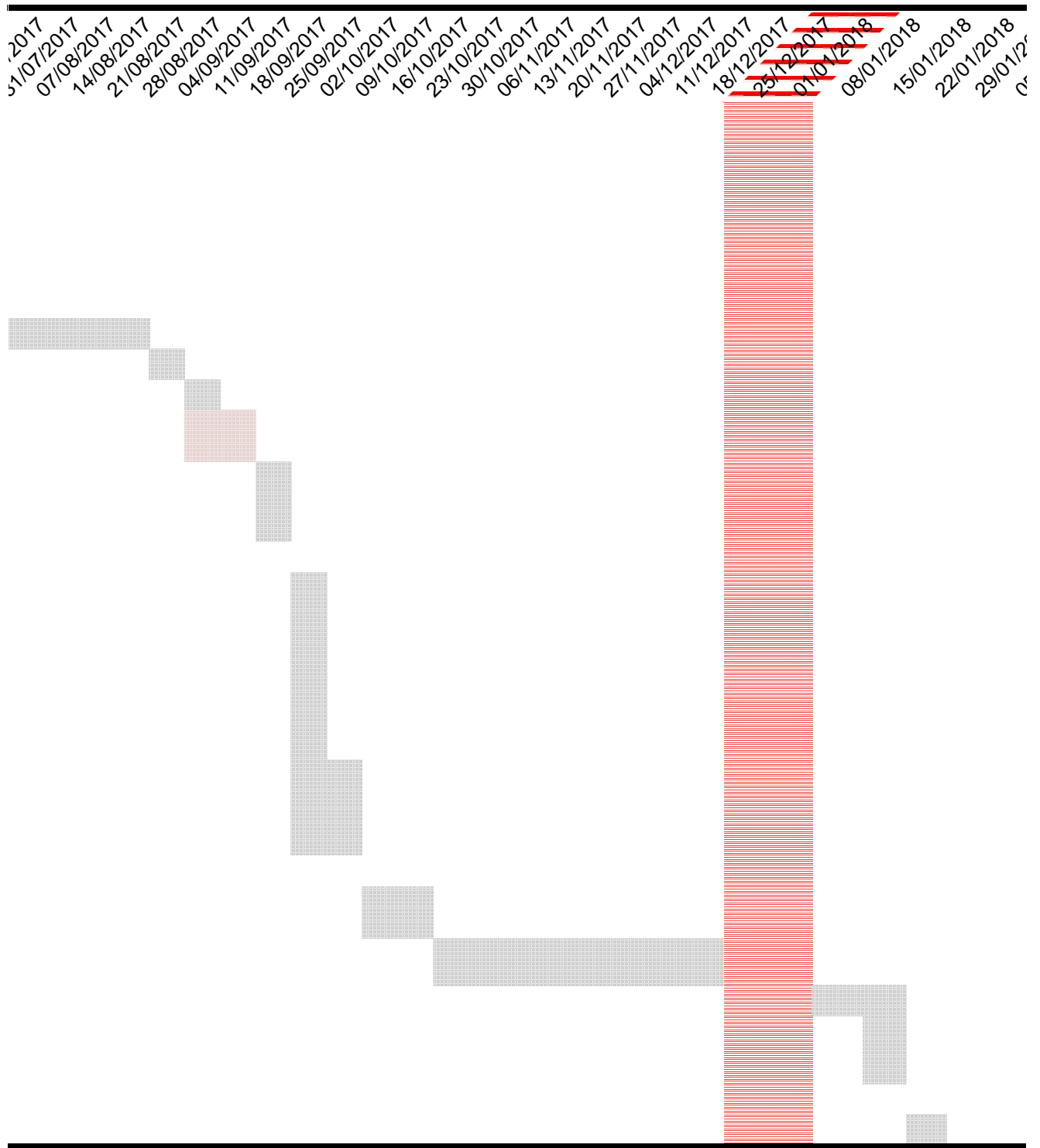
Surgery with residents
 Product selection (allow consideration for upgrades)
 Issue (and return of residents agreements)

Installation and Hand-over

Surveys and Measurements by appointed installer
 Manufacturing Period
 Installation Period
 Product Training and Handover

Post Project Review

Cherington Programme



-018
5/02/2018
12/02/2018
19/02/2018