


Sevenoaks District Council

Community Infrastructure Levy Spending Board

Bid for Funding Pro-forma

Infrastructure Only


Scheme name:	Upper Darent Flood Alleviation Project
Description of Scheme:	<p>This project covers the area from Westerham to Sundridge and has identified a suite of works to reduce flood risk to existing property and the A25 Highway. Some works have already been successfully completed at Sundridge in partnership with Kent County Council (Medway Valley Countryside Partnership) & South-East Rivers Trust (SERT). Works include new channels, improved drainage, flood embankments and natural flood management measures at a number of locations.</p>
Is this scheme promoted by your organisation in partnership with another organisation (s)?	<p>Yes</p> <p>Who is involved in the Partnership. Organisation Name (s): Kent County Council - Medway Valley Countryside Partnership (KCC)</p> <p>Responsible individuals (s): Louise Smith</p> <p>Signature (s) on behalf of other supporting organisations (s):</p>  <p>Please provide details of the Agreements you have in place with your partners. Including the % of money guaranteed for the scheme from each organisation.</p> <p>Works completed at Sundridge followed a Collaborative Agreement between the two parties. The EA made a contribution of 33%. A second collaborative agreement exists to develop more substantial works at Westerham, which should reduce flood risk to property and to the A25 highway. This is based on 40/60% between EA and KCC respectively for the first tranche of works. KCC Highways have completed works to reduce flood risk arising from surface water runoff onto the A25 Highway.</p>


	<p>More substantial works for Westerham has a funding allocation from Central Government (Flood Defence Grant in Aid). An initial assessment has identified the preferred option but this is subject to further modelling to assess viability. This modelling is to be completed March 2018 and will inform detailed design and cost estimates.</p> <p>Additional works at Sundridge are also planned, which will reduce flood risk from the River Darent to the A25 Highway and residential property.</p>
Is planning permission required for the scheme?	<p>Planning consent may be required for works at Westerham. An application has not been made as the option and design are yet to be confirmed.</p> <p>If no - please explain why? At Sundridge, the EA may be able to use permissive powers to undertake works to the watercourse for the purposes of flood management.</p>
Details of any other consent required (if appropriate (e.g. conservation, Listed Buildings, other Govt Bodies):	<p>Consent required: Consent may be required at Sundridge as the River Darent passes adjacent to a listed Historic Park (Coombe Bank). Consultation has already begun with KCC Heritage Officer. We will work closely with Darent Valley Landscape Partnership scheme, who intend to deliver parkland restoration in this area.</p> <p>Date applied for / granted: tbc when further design details are available.</p>
<u>Need for the Scheme</u>	
List of projects or development that result in the need for this scheme:	<p>To reduce flood risk to the existing A25 Highway and property at several locations between Westerham and Sundridge.</p> <p>It will unlock existing sites currently at risk of flooding to enable redevelopment.</p> <p>It will work alongside the outcomes of any future approved Westerham Master Plan.</p>
How is the scheme related to these developments (additional information, such as usage forecasts and existing and alternative capacity assessments, can be attached as an appendix):	<p>Works delivered by the scheme will reduce frequency and depth of flooding to the Darent floodplain and A25 corridor. This will improve the resilience of the transport infrastructure by ensuring it remains functional during flood events, particularly at Sundridge and Westerham. In particular, the opportunity exists to reduce flooding to the A25 at the junction with Goodley Stock Road. This is used as the bus turning area and is also the main route for Westerham commuters travelling to Oxted Station. This flood risk is illustrated in Appendix 1. It will also reduce disruption to existing business and community services. Overall the scheme will improve community flood resilience. Outputs from high level flood modelling at Sundridge illustrate the reduction in flood risk to the A25, are attached as Appendix 2.</p>

<u>Please provide an explanation of the 'public benefit' of the scheme proposed for residents in Sevenoaks District:</u>	
Economic	<p>During the floods of winter 2013/14, the A25 at Sundridge to Brasted was flooded on several occasions, not only resulting in flooding to property but also causing traffic delays and temporary closure of the road.</p> <p>Flooding of the A25 at Westerham also occurred, contributing to flooding to residential property.</p> <p>Flood risk to a retail premises and a garage workshop will also be reduced as a result of completion of works at Sundridge. Improving community flood resilience also improves business continuity to all businesses, including those not directly affected by flooding.</p> <p>Keeping the A25 free of floodwater is considered essential for maintaining the flow of traffic. Alternative routes are not suitable for commercial vehicles or buses.</p>
Social	<p>Following completion of the scheme at Westerham, in addition to reduced flooding to the A25, flood risk would also be reduced to eight residential properties and an electricity sub station. These properties are considered to be at high risk to flooding. Recent works at Sundridge has already reduced flood risk to the A25 and 14 residential dwellings, but not eliminated the risk completely.</p> <p>Flooding of the A25 may still occur, restricting access to local facilities including the Medical Centre and Village Hall. The final stage of works at Sundridge will reduce this risk further.</p> <p>Reducing frequency and depth of flooding reduces the negative impact of flooding on the health and emotional wellbeing of the entire community. This in turn will reduce longer term economic costs by reducing the impact on health and social services.</p>
Environmental	<p>Works at Sundridge have already reconnected the River Darent with the floodplain, by restoring natural channel features and allowing the natural floodplain to flood more frequently. This reduces the risk to the A25 and residential property.</p> <p>It also improves fish passage and restores a section of channel to a natural, cleaner fast flowing section. Delivery of these projects helps meet targets set under the Water Framework Directive.</p>
Is the need for the scheme identified in any adopted strategy/plan? E.g. Neighbourhood Plan, Work programme of a Statutory Body, Infrastructure Plan (Reg 1,2,3 list). If so, which?	<p>The Upper River Darent is within the Environment Agency North Kent Rivers Catchment Flood Management Plan (CFMP) as sub-area 2. The policy for this area is to "take action with others to store water or manage runoff in locations that provide overall flood risk reduction or environmental benefits." All the proposed works meet this policy objective. The proposal for flood alleviation at Westerham was also allocated Grant in Aid funding following the flood events of winter 2013/14. However, the potential scheme will not be fully funded and so contributions will be required from others.</p> <p>This project is also identified as a priority project within the KCC Kent Local Flood Risk Management Strategy 2017-2023 due to be published in December 2017.</p> <p>It is also within the Darent Valley Partnership Scheme which includes the Interreg Climate Resilient Community based Catchment Planning & Management Project (Triple C).</p>

Funding	
Total project cost:	£ 330K
Funding required from CIL:	£29K
Identify other funding sources for this project, what contribution they are making and why these can not be used to fund the scheme in its entirety	1) Flood Defence Grant in Aid from DeFRA (145K).
	2) The Triple C project will contribute 106K
	3) KCC (50k of which 35k already spent/committed)
	<p>Summary</p> <p>Nine projects have been identified, of which two have been completed or are nearly completed. The Triple C funding should be allocated for works which also help to improve the landscape so cannot be used for reducing flood risk where there is no landscape or heritage improvement. A scheme to provide flood protection to the A25 at Westerham and adjacent properties will be the most costly and is unlikely to be fully funded. Some of the allocation has already been used to reduce highways flooding and the subsequent impact on flooding of property at both Westerham and Sundridge. If successful, the CIL funding will be used for the higher priority schemes where there is both benefit to individual properties, local infrastructure and the wider community.</p>
Is this bid for staged payments?	No
Will staged payments be accepted?	Yes Details of anticipated funding requirements and timetable: 2018-2020
Has a bid(s) for CIL funding been made to relevant town and parish councils?	Bid made: No

Would the scheme be fully funded if the CIL contribution is agreed:	Yes. However, due to the nature of the project which consists of multiple projects which collectively form a catchment based community flood alleviation scheme, the scope of work will be determined by available funding.
Has this scheme benefited from CIL funding previously:	No
<u>Deliverability</u>	
Does your organisation have the legal right to carry out the proposed scheme?	Yes If not, you must attach documentation showing that the statutory provider of this service supports this scheme.
Anticipated start date for delivery of the scheme:	2017. One project has already been delivered successfully by reducing flood risk to property and the A25 at Sundridge (see Appendix 1). Other works are also underway in Westerham
Anticipated finish date for the delivery of the scheme:	2021/22
Anticipated date when CIL funding will need to be made available:	Financial yr 2018/19
Does land need to be purchased to facilitate the scheme:	No Details: We are working with relevant landowners to undertake appropriate improvement works
Please provide a consultation plan to let SDC know when they can expect progress reports on the project.	Project Reports will be provided at Catchment Improvement (Darent Valley Landscape Partnership) Group of which SDC Planning dept are represented.
Please provide details of the management and timescales of the project.	Regular project meetings are held between professional partners. Stages of work are currently informed by a number of factors including hydraulic modelling projects and funding availability. Modelling is due to be completed March 2018 which will enable progression. Match funding from Darent Valley Landscape Partnership Group recently confirmed and will also enable progression with immediate effect.
Has consultation been carried out on the scheme or is any planned?	Carried out / Planned / No Consultation planned Details: Community consultation was undertaken at Sundridge. Specific community consultation will take place for each individual project and will also with the Catchment Improvement Group (CIG). (Note: Results can be attached separately if necessary.)

<p>Is a relevant SDC ward member(s) supportive of the scheme?</p>	<p>Yes</p> <p>Signature of at least one SDC ward member:</p> <p>Please see email from Councillor Esler</p> <p>Note - An e-mail from them to cil@sevenoaks.gov.uk would also be sufficient.</p>
<p>Is the relevant town/parish council supportive of the scheme?</p>	<p>Yes - Westerham Town Council</p> <p>Signature of a town/parish council chairman, clerk or chief executive:</p> <p>Email below from Westerham Town council</p> <p>Note - An e-mail from them to cil@sevenoaks.gov.uk would also be sufficient.</p> <p style="text-align: center;"></p> <p style="text-align: center;">RE Proposed CIL bid.msg</p>
<p><u>Maintenance</u></p>	
<p>Which organisation will be responsible for ongoing maintenance:</p>	<p>EA will maintain permissive powers for works on "main river". Agreements with riparian landowners will also be obtained. Riparian responsibility is unlikely to alter from the existing obligations.</p>
<p>Are funding arrangements in place for maintenance:</p>	<p>Yes</p> <p>Details: EA will continue with operational maintenance budgets</p>
<p>Any further comments:</p>	<p>In summary, we consider reducing flood risk through the catchment of the Upper Darent will enable communities to redevelop and release opportunities for sustainable growth. The EA and KCC have a proven track record of delivering flood risk improvement projects and will continue to develop the professional relationship in this area. Both organisations recognise the need to utilise expertise from within the respective organisations and from external groups such as South East Rivers Trust (SERT) and community groups. The development of flood resilient communities is a key objective of the EA and KCC to ensure Kent maintains a good economic and natural environment in which to live and work. The proposed works form part of several strategies, including the Catchment Flood Management Plan and the Darent Catchment Improvement Plan of which SDC is a professional partner. Funding has already been made available via the EA, KCC and Interreg (Triple C) but additional CIL funds will provide match funding to complete the current proposed programme of works. We have an established working relationship with Westerham Town Council who are supportive of the scheme. Sundridge Parish Council have also been essential to the delivery of works at Sundridge. The EA and KCC</p>

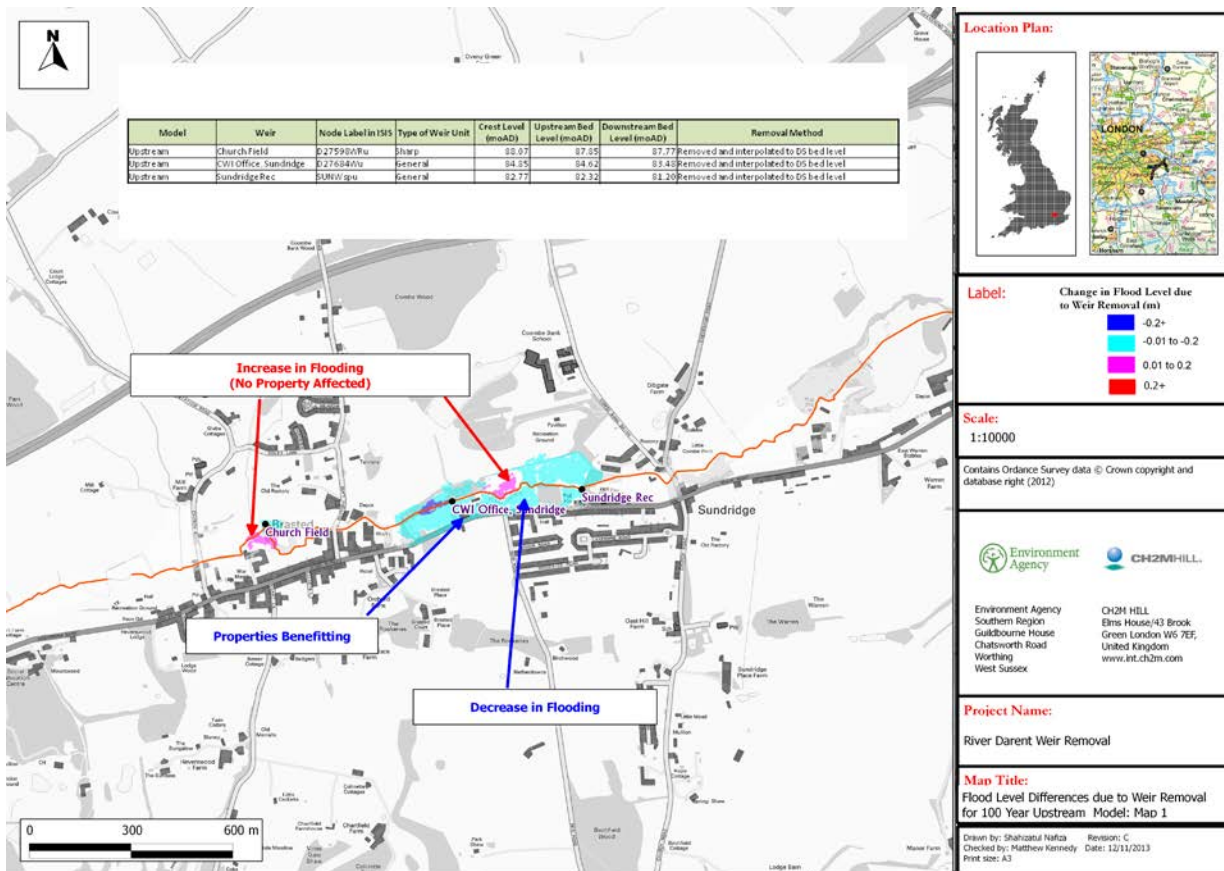
	staff involved in the project delivery and management have several years of experience in delivering this type of work. Both have a management structure to ensure successful delivery.
<u>Declaration</u>	
<p>I am authorised to submit this bid for funding on behalf of the organisation that I represent. At the time of writing, the information contained in this submission (including appendices) is correct and true to the best of my knowledge. If CIL funding is committed and circumstances change prior to the completion of the scheme, the organisation that I represent will notify Sevenoaks District Council. The Council will reserve the right to reconsider the allocation of funding. If CIL funding is committed to the above project then the organisation that I represent commits to providing Sevenoaks District Council with sufficient information to enable it to undertake its reporting requirements under the CIL Regulations 2010 (as amended), or any subsequent relevant regulations.</p>	
Signature	
Name	PETER WARING
Position	Senior Flood Risk Advisor
Organisation	Environment Agency
Name, role and contact details of the person that will be attending SDC's CIL Spending Board to support this bid:	<p>Peter Waring</p> <p>peter.waring@environment-agency.gov.uk</p>

Appendix 1

Flooding at junction of A25 and Goodley Stock Road



Appendix 2



This demonstrates the potential reduction in flood level at Sundridge by up to 0.2m, by removal of two weirs on the River Darent. In 2016, a bypass channel was constructed at Sundridge Recreation ground in lieu of weir removal in conjunction with two highway drainage channels to relieve surface water flooding on the A25. These works successfully prevented flooding to property in June 2016, when one month's rainfall fell within a few hours over the Darent catchment. Further detailed modelling is currently being undertaken to establish whether works are required to reduce the risk further. The results of this modelling are due by April 2018.