



Section D: Your funding application	
Community Group	<b>Summerley Estate Reservoir Flood Prevention Improvement Project</b>
Project Title	Flood Alleviation Project for the Summerley Estate and Surrounding Areas
Description of issues, needs and/or initiatives	
<p><b>Issues</b></p> <p>The watercourse East of Bramfield Road and the interconnecting network within the Summerley Estate is a fundamental part of the overall drainage system in the Felpham area.</p> <p>The system ultimately discharges to sea at Jacken Close through a Public Surface Water Sewer outfall pipe, which receives surface water runoff from roads and roofs, as well as land drainage/groundwater. That part of the system within the Summerley Estate not only provides drainage for part of the estate but also provides attenuation for the wider network which extends beyond the estate itself.</p> <p><u>The</u> application is in regard to the improvement of this watercourse, in order to help reduce the risk of future flooding. . .</p> <p>Extensive de-silting has been undertaken of the North – South, as well as West to East reservoir and will continue to be maintained. However bank erosion to the West to East watercourse has intensified – particularly in areas adjacent to the footpath running alongside the watercourse and adjacent to no. 8 Bramfield Road. Sections of bank are collapsing and beginning to impede the flow of water. The adjacent footpath is also beginning to subside as a result.</p> <p>As the issue is getting progressively worse, the risk of flooding is also increasing, and therefore it is extremely important that action is taken to stabilise the banks.</p> <p><b>Solution</b></p> <p>A study has been undertaken by local residents and in conjunction with Arun District Council recommending that stabilising the bank using concrete bag-work would be the most practical way forward.</p> <p>This will ensure that the watercourse continues to pass on water and provide flood storage when required, in order to assist with flood prevention across the Felpham area.</p>	
Brief description of proposed works or activity	

## Section D: Your funding application

To prepare the base and realign the existing eroded bank for the areas as shown on the technical specification plan provided by Arun District Council (Paul Cann / Kevin Macknay).

Prepare the re-aligned bank and place and fill concrete bag wall bags to the full height of the existing bank all in accordance with the plans and sections prepared by the Arun District Council. (As per attached documents.)

### Spec of works

1. To close the footpath.
2. To take down existing fence and stack to one side.
3. To dig out base of watercourse on the west side to install an oak board from the outlet approx. 42m long and 400mm high x 400mm wide and fill with concrete and 12mm steel starter bars for the concrete filled sand bag new headwall.
4. To dig out and build a single width concrete filled sandbag new headwall from the top of the new laid concrete approx. 42m long and approx. 2.5m high.
5. To tie in the concrete bag work into the existing headwalls/wall and extend up to footpath height.
6. To tamp bags in position and pin together with 12mm reinforcing bars.
7. To back fill behind concrete filled sand bags making a level finish at the top of the footpath level.
8. All waste material to be removed from site.
9. To remove concrete rubble from east bank.
10. To remove two sleepers and cut existing vertical upright flush with the top.
11. To clear site and reopen the footpath.

How long has the community been aware of the issue or needs you aim to address?	7 years	
What are the Operation Watershed objectives this work will achieve? <i>(please tick)</i>	Protects homes, properties, businesses and access from flooding	✓
	Improves and or develops 'Community Commitment' to deliver the project including all and any future maintenance	✓
	Makes material change improvements to existing infrastructure	✓
	Improves local understanding of maintenance, obligations and responsibilities	✓
	Improves maintenance and or increases capacity of drainage and watercourse	✓
	Supports development of joint working with other groups addressing flood issues	✓

Section D: Your funding application			
What will the scheme protect? <i>(please tick)</i>	Residential properties	<i>Number</i>	50+
	Commercial Premises	<i>Number</i>	
	Public Highway		✓
	Private Access		✓
Has the project identified any vulnerable people who will benefit from this work/activity?	Yes There are has a high proportion of elderly, many with mobility issues, as well as families with young children in the area - this will assist greatly		✓
Does the project align with any existing emergency plan or is this something that will be looked at as part of the project?	Yes This project is in line with the ADC & West Sussex Flood Prevention plans		✓
Who is going to do the work for you?	<b>KJB</b>		
For contracted works what is the estimated cost of the proposed project?  <i>(Please provide <b>competitive quotes from 3 contractors</b>):</i>	See Appendix A for full quotes:  A3. KJB Quote - £27,220 + VAT = £32,664		
Total amount of grant funding you are applying for:	£32,664		
Identify any match funding for project	<p>Summerley Private Estate residents have provided funding for the additional work in maintaining the watercourses as follows:</p> <ul style="list-style-type: none"> <li>• North to South reservoir Tree Felling &amp; bank debris clearance</li> <li>• West to East reservoir debris clearance &amp; tree felling</li> <li>• Storm Trash screen installation &amp; maintenance, including CCTV pipe inspection and repairs</li> <li>• Re-laying &amp; tarmac of public footpath</li> <li>• New fencing and maintenance access gate running alongside North – South reservoir</li> <li>• Annual manhole, headwall and pipe inspections</li> <li>• Dry pond channel reinstatement</li> <li>• Equating to an approximate total so far: £20,000.00</li> <li>• With ongoing annual costs of approx. £7000.00</li> </ul>		



**Community Commitment Statement: Please provide a statement detailing;**

*What the Group is contributing to the delivery of this project in terms of management, funding, volunteers;*

*What the Group will contribute to further outcomes after completion of this project;*

*What commitment the Group will make to ongoing maintenance where appropriate;*

*How this project will bring your community closer together.*

The Summerley Estate Committee members, Ground & Gardens Lead and Secretary will be very hands on with decision making and liaising with the residents throughout the project to ensure the least disruption to all those affected. (approx. 4 – 6 weeks)

This project an essential phase of the extensive flood defence mechanisms that the Summerley Estate Community, alongside the Felpham Conservation & surrounding neighbourhoods have installed/carried out since the Flooding in June 2012.

Following these proposed works the Summerley Estate Community will continue to work closely with Arun District Council and West Sussex County Council to improve and maintain the storm water watercourse going forward.

The Summerley Estate residents will continue to fund the day to day maintenance of the North to South reservoir and the adjacent West to East reservoir, including the trees and shrubs, silt removal and the trash screen / pipe inspections.

Ultimately, by proactively alleviating potential drainage issues in the future, Summerley Estate residents as well as the wider community in The Summerley Fields, George V, towards Middleton-on-Sea, Felpham Village, housing between the sea front through to Hoe Lane and towards the South Downs will benefit.

It is important also to acknowledge the positive wellbeing and peace of mind that this project will bring to the local community, who have experienced the consequences of extensive flooding. In addition, promote local communities to actively get involved with the ongoing maintenance following the improvement work carried out.

We have seen that **the previous projects have substantially improved the “local residents’ self-help maintenance routines”** and within the Summerley Estate Association we are committing to setting aside funds for any ongoing maintenance work, whilst liaising regularly with ADC to make sure we continue flood prevention going forward.

This major piece of work, as well as an ongoing process which will be implemented by the Summerley Estate Association, will ensure the watercourse is left clear of debris and continues to be maintained.

Name of WSCC County Councillor:

[Click here](#) to find your councillor

**Hilary Flynn**

Member Signature:

A2. Landbuild Quote £47,525.00 + VAT:

### Scope of the Works

This Scope of Works is to be read in conjunction with the attached Conditions.

Item	Description	£ ex VAT
1	To take down existing fence and stack to one side ready for re-erection .	£250.00
2	To dig out base of watercourse on the west side to install an oak board from the outlet approx. 42m long and 400mm high x 400mm wide and fill with concrete and 12mm steel starter bars for the concrete filled sand bag headwall. Ditch to be cleared and desilted as necessary.	£15,000.00
3	To dig out and build a single bag width concrete filled sandbag headwall from top of the new laid estimated as approx. 42m long and an average of 2.5 m 'high' up the ditch slope.	£22,500.00
4	Variation price per <u>sq.m</u> for area in variation to the above estimate area of sand bag. Area variation to be agreed with the Employer prior to action.	£250.00 – rate may vary depending on location of <u>bagwork</u> required
5	To tie in the concrete bag work into the existing headwalls/wall and extend up to footpath height.	Incl.
6	To tamp bags in position and pin together with 10 mm <u>dia</u> Stainless reinforcing bars.	£2500.00
7	To back fill behind concrete filled sand bags making a level finish at the top of the footpath level.	£2500.00
8	All waste material to be removed from site.	£4000.00
9	To remove concrete rubble from east bank.	£450.00
10	To remove two sleepers and cut existing vertical upright flush with the top.	£325.00
11	To clear site and reopen the footpath.	Incl.
	Total ( ex VAT ) Items 1 - 3 plus 5 - 11	£47,525.00



A3. KJB Quote - £27,220 + VAT:

Summerley Estate - Ditch Works

Page 1 of 5

| Scope of the Works

This Scope of Works is to be read in conjunction with the attached Conditions.

Item	Description	£ ex. VAT
1	To take down existing fence and stack to one side ready for re-erection.	£ 500.00
2	To dig out base of watercourse on the west side to install an oak board from the outlet approx. 42m long and 400mm high x 400mm wide and fill with concrete and 12mm steel starter bars for the concrete filled sand bag headwall. Ditch to be cleared and desilted as necessary.	£ 8560.00
3	To dig out and build a single bag width concrete filled sandbag headwall from top of the new laid estimated as approx. 42m long and an average of 2.5 m 'high' up the ditch slope.	£ 13750.00
4	Variation price per sq.m for area in variation to the above estimate area of sand bag. Area variation to be agreed with the Employer prior to action.	£ 130.96
5	To tie in the concrete bag work into the existing headwalls/wall and extend up to footpath height.	£ 650.00
6	To tamp bags in position and pin together with 10 mm dia Stainless reinforcing bars.	£ 400.00
7	To back fill behind concrete filled sand bags making a level finish at the top of the footpath level.	£ 1260.00
8	All waste material to be removed from site.	£ 1000.00
9	To remove concrete rubble from east bank.	£ 450.00
10	To remove two sleepers and cut existing vertical upright flush with the top.	£ 150.00
11	To clear site and reopen the footpath.	£ 500.00
	Total net cost £ 27220 + VAT	
	Total ( ex VAT ) Items 1 - 3 plus 5 - 11	

**Section D: Your funding application**

Community Group	<b>Flood Alleviation Project to the Willowbrook Area</b>
-----------------	--

Project Title	<b>Willowbrook Storm Water Course Project – 10 Meter Bank Stabilisation Willowbrook Ditch/Holding Pond</b>
---------------	--

Description of issues, needs and/or initiatives

**Issues**

The Willowbrook Pond Outlet at the north end of the Willowbrook Pond is fundamental because it serves to discharge all the storm water arising from over 50 local houses and properties in the surrounding area, local street drainage and part of the Elmer Road highway drainage.

The restrictions in the size of the pipe, together with existing and flood surge silt and debris was the direct cause of mass local flooding to at least 40 properties in June 2012.

Since extensive de-silting and dredging of the Willowbrook pond in May 2016 it has become clear that the previous bank erosion to the pond has become exacerbated – particularly in the North East Corner adjacent to number 18 Willowbrook.

Future erosion of the bank (particularly in storm surge conditions) will again inevitably increase the risk of the only outlet becoming blocked and causing flooding to local properties.

**Needs**

A study has been undertaken by local residents and in conjunction with Mr Paul Cann of Arun District Council Coastal Drainage Department recommending that stabilising the bank using concrete bag work would reduce the risk of further storm flooding.

This work links in with points 5.22 and 5.24 of the OPUS REPORT dated October 2014.

**Initiatives**

Access via no 18's property/land is no longer an option so the group will not be able to undertake the critical ongoing maintenance. The 10m of bank stabilisation work, beyond number 18, will allow for the continuation of a level platform at the top of the sandbags to provide the necessary access, via Willowbrook's land, to a firm and safe footpath. Going forward, this will enable us to carry out critical ongoing maintenance to the watercourse leading up to the sump and pipe outlet.



**Section D: Your funding application**

Brief description of proposed works or activity

To extend the original 30 metres of bank works by a further 10m , providing essential access via Willowbrook’s land to enable the residence association to carry out ongoing maintenance purposes.

To prepare a base and realign the existing eroded bank for 10m as shown on the attached plan and photograph.

To prepare the re-aligned bank and place and fill concrete bag wall bags to the full height of the existing bank all in accordance with the original plans and sections prepared by the Arun District Council.

**Specification of works**

To dig out base of ditch on the east side to install a base board from the brick outlet 10m long and 400mm high making a 400mm wide trench.

To fill the trench with concrete and steel starter bars for the concrete filled sand bag headwall.

To dig out and build a single width concrete filled sandbag headwall from the top of the new concrete approx. 10m long and 2m high.

To tamp bags in position and pin together with 12mm reinforcing bars.

To back fill behind concrete filled sand bags making a level finish at the top of the new wall.

How long has the community been aware of the issue or needs you aim to address?	2012		
What are the Operation Watershed objectives this work will achieve? <i>(please tick)</i>	Protects homes, properties, businesses and access from flooding		✓
	Improves and or develops 'Community Commitment' to deliver the project including all and any future maintenance		✓
	Makes material change improvements to existing infrastructure		✓
	Improves local understanding of maintenance, obligations and responsibilities		✓
	Improves maintenance and or increases capacity of drainage and watercourse		✓
	Supports development of joint working with other groups addressing flood issues		✓
What will the scheme protect? <i>(please tick)</i>	Residential properties	Number	50+





Section D: Your funding application			
	Commercial Premises	<i>Number</i>	0
	Public Highway		✓
	Private Access		✓
Has the project identified any vulnerable people who will benefit from this work/activity?	Yes (details provided)		✓
Does the project align with any existing emergency plan or is this something that will be looked at as part of the project?	Yes (details provided)		✓
Who is going to do the work for you?	KJB Contractors		
For contracted works what is the estimated cost of the proposed project?  <i>(Please provide <b>competitive quotes from 3 contractors</b>):</i>	£7,000 including VAT  Quote attached		
Total amount of grant funding you are applying for:	£2,000		
Identify any match funding for project	£2,165 contribution from Willowbrook Residents  £2,835 held by Middleton Parish Council on Willowbrook's behalf for flood defence works		



**Community Commitment Statement: Please provide a statement detailing;**

*What the Group is contributing to the delivery of this project in terms of management, funding, volunteers;*

*What the Group will contribute to further outcomes after completion of this project;*

*What commitment the Group will make to ongoing maintenance where appropriate;*

*How this project will bring your community closer together.*

The Directors and Secretary will be very hands on with decision making and liaising with the residents throughout the project to ensure the least disruption to all those affected.

This project is the final stage of the extensive flood defence mechanisms that the Willowbrook Community have installed/carried out since the Flooding in June 2012.

Following these proposed works the Willowbrook Community will continue to work closely with Arun District Council and West Sussex County Council to improve and maintain the storm water watercourse going forward.

The Willowbrook residents will continue to fund the day to day maintenance of the holding pond itself, the trees and shrubs and the East bank as per their Riparian Ownership obligations.

Ultimately, by proactively alleviating potential drainage issues in the future not only will Willowbrook residents benefit but also the wider community in The Litten, Ancton Lodge Lane, Lodge Close, Farm Close, Meadow Way and Lane End Road.

It is important also to acknowledge the positive wellbeing and peace of mind that this project would likely bring to the local community, who have experienced the consequences of extensive flooding, going forward.

The previous projects have substantially improved the "local residents' self-help maintenance routines" by adding 3 widely spaced and properly constructed sumps and headwalls to aid the regular residents maintenance and clearance of debris etc. from the open watercourse.

Name of WSCC County Councillor: <a href="#">Click here</a> to find your councillor	<b>Councillor Jackie Pendleton</b>
Member Signature:	

<b>Project Title:</b>	<b>Willowbrook Storm Water Course Project – Bank Stabilisation Willowbrook Ditch/Holding Pond</b>
<b>County Councillor signature</b>	<i>J Pendleton</i>
<b>C&amp;ED Officer Name</b>	
<b>C&amp;ED Contact Details</b>	

**Section D: Your funding application**

Community Group

Bolnore Farm lane residents association

Project Title

Bridleway drainage Bolnore Farm lane

Description of issues, needs and/or initiatives

Bolnore farm lane slopes downwards from north to south which causes rainwater to run down towards and into several properties that have been flooded. Surface water runs down the steep lane and off surrounding buildings on either side and then comes into the properties at the end of the lane. With the most recent flooding to properties happening in June 2019.

The water also floods down the adjacent bridleway washing away the compacted base and has meant the Public Rights of Way Team have had to replace the surface on previous occasions. The bridleway and Bolnore farm lane when it rains is very difficult and dangerous to use. It is a route that is regularly used by local residents and many students of the local schools as a low vehicle route to take a short and safe

journey to and from their schools. Ashton House nursing home elderly residents often use the lane for exercise and fresh air and the very popular Mid Sussex marathon weekend in May traverses this route.

The issue has only increased over the last year with the development of Ashton house nursing home (north of the issue) forcing more water down the lane.

There needs to be a workable drainage solution that can collect the surface water at the end of the lane diverting the water from the properties safely and discharging appropriately into the bridleway.

**Brief description of proposed works or activity**

Bridlepath and lane will need to be shut for 7 days to car and foot traffic.

Existing drain to be removed and replaced with Aco S300 heavy duty drainage channel and sump unit to outfall to new soakaway. Channel and sump to be bedded on and surrounded in 150mm 30N concrete.

225mm porous filter drain bedded and surrounded in type B filter material and bridleway surface reinstated with 200mm type 1 granular base. New 1200mm diameter soakaway to be fitted in bridleway.

How long has the community been aware of the issue or needs you aim to address?	5+ years but recently it has worsened significantly		
What are the Operation Watershed objectives this work will achieve? (please tick)	Protects homes, properties, businesses and access from flooding		y
	Improves and or develops 'Community Commitment' to deliver the project including all and any future maintenance		y
	Makes material change improvements to existing infrastructure		y
	Improves local understanding of maintenance, obligations and responsibilities		y
	Improves maintenance and or increases capacity of drainage and watercourse		y
	Supports development of joint working with other groups addressing flood issues		
What will the scheme protect? (please tick)	Residential properties	Number	6
	Commercial Premises	Number	0
	Public Highway		
	Private Access		y
Has the project identified any vulnerable people who will benefit from this work/activity?	Yes		
Does the project align with any existing emergency plan or is this something that will be looked at as part of the project?	No		
Who is going to do the work for you?	Council recommended contractor		
For contracted works what is the estimated cost of the proposed project? <i>(Please provide competitive quotes from 3 contractors):</i>	<b>12,757 + VAT (B and M plant hire)</b> <b>12,813.25+VAT (Horizon building services)</b> <b>12,500+VAT provisional (Hamilton construction services)</b>		
Total amount of grant funding you are applying for:	<b>Gbp 15,308.40</b>		
Identify any match funding for project			

**Community Commitment Statement: Please provide a statement detailing;**

*What the Group is contributing to the delivery of this project in terms of management, funding,*

volunteers;

What the Group will contribute to further outcomes after completion of this project;

What commitment the Group will make to ongoing maintenance where appropriate;

How this project will bring your community closer together.

The residents group have been involved in the project working with WSCC Public Rights of Way, Mid Sussex DC Drainage Team and WSCC over the past months to develop a workable scheme.

The project will be managed by the residents association which has already undertaken work to shore up the existing drain and had to replace the speed hump which was eroded by the water with a new modern rubber sleeping policeman.

Once the work has been completed the resident's association volunteers will undertake monitoring, debris clearance and appropriate maintenance.

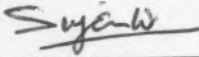
The wider community will benefit from a safer environment from trip hazards, cleaner routes to school/work. It will make the bridleway more accessible for vulnerable people and brings together neighbours to meet on foot when walking to and from Haywards Heath which will help build friendships/communities.

The Lane/Bridleway is used in the Mid-Sussex marathon weekend course run in May around Haywards Heath as it is non-vehicular. The run passes the junction of Bolnore farm lane and the bridleway several times on the laps and this year the trip hazard may be an issue for them which is a reason why we think it is imperative this is dealt with soon.

The Lane and Bridleway, as a safe and low vehicle route, is used by a wide variety of local residents including the elderly and school children as a safe route to school. Reducing flooding at the lowest southern point will mean access is improved greatly.

A summary of the project is provided in the public notice in appendix 1 and they are invited to make any comments on this to the project manager and decision maker. It will also be available for inspection at the office of the project manager or administrative services team for 10 days. For further information see: [www.wsc.gov.uk](#)

For more information regarding funding will be held on the WSCC website. All council and council owned land will be notified.

Name of WSCC County Councillor: <a href="#">Click here to find your councillor</a>	<b>Mr Peter Bradbury</b>
Member Signature:	pp- 

Project Title:	
County Councillor signature	
C&ED Officer Name	
C&ED Contact Details	

**FOR OFFICIAL USE ONLY**

Reference Number:	Date	By
Application received and logged		
Member supported?		
Cabinet member approved		
Certified for payment (OW programme manager)		
Certified for payment (H of H&T?)		