

Contextual Information

6. Both Rectory Road and Sycamore Road have a record of vulnerability to surface water and groundwater flooding following persistent rainfall events. Existing records of flooding in Rectory Road from the Environment Agency date from 1960, 1990 and 2000.
7. Hampshire Highways records from 2006 show both Rectory Road and Sycamore Road flooding following persistent rainfall. This caused internal flooding of 11 properties along Rectory Road with a further 6 properties flooding externally. It also resulted in flooding of both the roads and pavements impeding access along the main route for pedestrians and safe passage of vehicles to Farnborough station and the north of Farnborough from Rectory Road and along Sycamore Road.
8. In May 2009, flooding occurred on Sycamore Road as a result of heavy rainfall which caused the public sewers to surcharge and resulted in surface water and foul flooding in residents' gardens. In 2015/16, Thames Water installed large offline storage in Sycamore Road to protect properties from hydraulic foul sewer flooding. It has, however, been confirmed that the foul and surface water systems within Sycamore Road are completely independent of each other and that there is a residual risk of flooding from surface water. A review of flood risk and mitigation options undertaken in 2017 indicated that surcharging of the drainage system in Sycamore Road was a less significant source of flood risk than surface water runoff from King Georges Field.
9. A detailed study of the flood risk in the Rectory Road area was undertaken in 2016. The study established that the cause of flooding was related to the magnitude of the rainfall event. Flooding on the road and the front of properties caused by insufficient drainage capacity occurred during less significant rainfall events, whereas less frequent but more significant rainfall events caused flooding of properties backing onto the recreation ground. The most significant flood events occurred when surface water flowed in-between the houses and combined with the flooding of the highway at the front of the properties on Rectory Road.
10. A suite of measures to reduce the risk of flooding on both Rectory Road and Sycamore Road has now been developed in liaison with Rushmoor Borough Council, which owns and manages the adjacent open spaces, King Georges Field and Rectory Road Recreation Ground. The proposals seek to re-establish historic flow pathways to guide floodwater away from properties and the highway towards the River Blackwater.

The package of measures comprises:

- improvements to the existing drainage system to reconnect the historic drainage system;
- reinstatement of the historic water course;
- use of minor bunding to re-establish historic flow pathways;
- reducing the bund at the west boundary of the A331 to enable desired flow path;
- implementation of an overflow pipe under the A331; and

- construction of new surface water drainage to improve connectivity.
11. This report seeks to gain Executive Member approval to procure, spend and enter into the necessary contractual agreements to implement the proposed flood alleviation measures in Rectory Road and Sycamore Road, Knellwood, Farnborough, at an estimated cost of £475,000.
 12. The scheme is to be funded from contributions from Hampshire County Council's Flood Risk and Coastal Defence Programme, Department for Environment, Food and Rural Affairs (DEFRA) Flood Defence Grant in Aid funding (FDGiA), and Thames Regional Flood and Coastal Committee (TRFCC) local levy. The availability of funding from FDGiA and local levy are both subject to agreement of an Outline Business Case.
 13. The flood alleviation measures for both locations are to be procured as one scheme, which will be phased in its delivery. Works will start on Rectory Road and proceed with a second phase at Sycamore Road to allow excess excavated material from Rectory Road to be re-used at Sycamore Road for bunding.

Finance

14.	<u>Estimates</u>	<u>£'000</u>	<u>% of total</u>	<u>Funds Available</u>	<u>£'000</u>
	Design Fee	109.3	23	FDGiA	85
	Client Fee	14.2	3	Local Levy	65
	Supervision	33.2	7	HCC	325
	Construction	318.3	67		
	Land	0			
	Total	<u>475.0</u>	<u>100</u>	Total	<u>475</u>

The current cost estimate includes 15% optimism bias.

15.	<u>Maintenance Implications</u>	<u>£'000</u>	<u>% Variation to Committee's budget</u>
	Net increase in current expenditure	0.5	0.000%
	Capital Charge	46.0	0.029%

16. Revenue and maintenance implications of the scheme are costed to be less than £500 per year. Net increase in current expenditure is 0%, and capital charge is less than 0.01% variation to Committee Budget. Most of the new infrastructure is to be maintained by Rushmoor Borough Council on a ten-yearly cycle.

Programme

17. Indicative programme for the Rectory and Sycamore Scheme:

Task Name	Start	Finish
Detailed design	12/19	09/20
Project Appraisal -	10/20	10/20
Tender and Contract Award	10/20	12/20
Mobilisation	01/21	01/21
Construction	02/21	05/21

Scheme Details

18. At Rectory Road (Appendix 1:1), new bunds, and an improved network of gullies and pipes will be implemented to help redirect flows along historic flow paths determined by the topography of the land. A new surface water drainage system to the north of Rectory Road and reinstatement of a historic ditch will improve connectivity between the existing Rectory Road drainage system and highways land where water can be stored prior to being directed via an existing filter drain towards a highway pumping station, which pumps floodwater into the River Blackwater. An overflow pipe may be installed transversely under the A331, south of the east west railway line, with associated works in the northbound verge of the onslip.
19. At Sycamore Road (Appendix 1:2), new bunds and reinstatement of existing bunds along the boundary of the car park will help re-direct flows towards new and existing gullies with improved connectivity. These are to be connected with the existing surface water drainage system.

Departures from Standards

20. None.

Consultation and Equalities

21. Hampshire County Council has been working closely with the Environment Agency, Rushmoor Borough Council and Thames Water to find appropriate measures to reduce the risk of flooding on Rectory Road and Sycamore Road.
22. In 2015, the Council sent a questionnaire to 59 residents on Rectory Road to ask for first-hand information about the flooding incidents in the area. 29 residents responded and provided useful information about flooding in the area and how it affected the properties and roads. This informed the scope of the flood scheme and implications for properties on Rectory Road, the recreation ground, the highway and railway bridge, the SSE sub-station, and Thames Water and Network Rail assets.
23. Following the completion of the feasibility stages, Thames Water, Network Rail, the Environment Agency, and Rushmoor Borough Council were

consulted regarding the options to be taken forward in Rectory Road. Their input informed the scope of additional work to explore further property level resilience and bunding to attenuate and manage surface water flows.

24. Hampshire County Council members, Rushmoor Borough Council ward councillors, King Georges Playing Field Trust, and Network Rail have been consulted and are supportive of the proposals for Rectory Road and Sycamore Road.
25. Over 200 residents from Rectory and Sycamore Road were invited to an online public information event in October 2020. The event, which was attended by residents and four councillors, was positively received. The presentation has been shared via a webpage.
26. The occupiers and owners of properties who are directly impacted by the scheme have also been informed of the works. The residents assisted with access to the historic ditch to undertake an ecological assessment.

Statutory Procedures

27. Reinstatement of the historic connection into the existing Network Rail ditch to the east of Rectory Road shall be delivered via a Section 100 (1)(c) notice under the Highways Act 1980 served on Network Rail.
28. A temporary traffic regulation order to close Rectory Road will be required to install a pipe/channel across the road to connect the pipe on the western side of Rectory Road to the historic connection above. An ordinary water course consent will not be required.
29. Permits to work will be required in accordance with Hampshire County Council's Streetworks procedures.

Land Requirements

30. On Rectory Road most of the proposed works will be undertaken on Rushmoor Borough Council land, on existing highway, or on County Council owned land. There is agreement with Rushmoor Borough Council to undertake works on Rushmoor Borough Council land and this will be consolidated into a formal agreement prior to the works commencing.
31. The land required for the reinstatement of the historic ditch is unregistered. No owner has yet been identified and discussions are ongoing with a local resident. However, as it is classified as land adjoining or lying near to the highway the land can be utilised under Section 100 (1)(c) ¹of the Highways

¹ S.100(1)HA 1980 – the highway authority for a highway may, for the purpose of draining it or otherwise preventing surface water from flowing on to it, do all or any of the following (a) construct or lay, in the highway or in land adjoining or lying near to the highway, such drains as they consider necessary; (b) erect barriers in the highway or in such land as aforesaid to divert surface water into or through any existing drain; (c) scour, cleanse and keep open all drains situated in the highway or aforesaid

Act 1980 for the purpose of draining the highway or preventing surface water from flowing on to it.

32. On Sycamore Road, King Georges Playing Fields Trust which owns the King Georges Playing Field has confirmed that it will enter into a formal agreement with the County Council to allow the works to be undertaken on the playing fields prior to commencement of the works. The fields are managed by Rushmoor Borough Council. An Easement will be secured prior to the work commencing for construction and maintenance of new gullies in the field that will be connected to the Highways drainage system.

Maintenance Implications

33. The existing highways drainage is maintained by Hampshire County Council as the Highway Authority. It has been agreed that on completion, new assets located in the highway and on County Council land as a result of the scheme, and a reinstated historic ditch to convey highway water to Hampshire County Council land, will be designated as County Council assets and maintained accordingly on both sites.
34. On Rectory Road, the existing Thames surface water drainage system will continue to be maintained by Thames Water. The maintenance of proposed bunds, gullies, and surface water drainage on Rushmoor Borough Council land will be the responsibility of Rushmoor Borough Council.
35. On Sycamore Road, new drainage assets i.e. proposed bunds located in King Georges Playing Fields will be maintained by Rushmoor Borough Council.

REQUIRED CORPORATE AND LEGAL INFORMATION:

Links to the Strategic Plan

Hampshire maintains strong and sustainable economic growth and prosperity:	yes
People in Hampshire live safe, healthy and independent lives:	yes
People in Hampshire enjoy a rich and diverse environment:	yes
People in Hampshire enjoy being part of strong, inclusive communities:	no

Other Significant Links

Links to previous Member decisions:	
<u>Title</u> Flood Risk and Coastal Defence Programme - Priorities	<u>Date</u> September 2016
Direct links to specific legislation or Government Directives	
<u>Title</u> Flood and Water Management Act 2010	<u>Date</u> 2010

Section 100 D - Local Government Act 1972 - background documents

The following documents discuss facts or matters on which this report, or an important part of it, is based and have been relied upon to a material extent in the preparation of this report. (NB: the list excludes published works and any documents which disclose exempt or confidential information as defined in the Act.)

<u>Document</u>	<u>Location</u>
None	

EQUALITIES IMPACT ASSESSMENT:

1. Equality Duty

The County Council has a duty under Section 149 of the Equality Act 2010 ('the Act') to have due regard in the exercise of its functions to the need to:

- Eliminate discrimination, harassment and victimisation and any other conduct prohibited by or under the Act with regard to the protected characteristics as set out in section 4 of the Act (age, disability, gender reassignment, marriage and civil partnership, pregnancy and maternity, race, religion or belief, sex and sexual orientation);
- Advance equality of opportunity between persons who share a relevant protected characteristic within section 149(7) of the Act (age, disability, gender reassignment, pregnancy and maternity, race, religion or belief, sex and sexual orientation) and those who do not share it;
- Foster good relations between persons who share a relevant protected characteristic within section 149(7) of the Act (see above) and persons who do not share it.

Due regard in this context involves having due regard in particular to:

- The need to remove or minimise disadvantages suffered by persons sharing a relevant protected characteristic that are connected to that characteristic;
- Take steps to meet the needs of persons sharing a relevant protected characteristic that are different from the needs of persons who do not share it;
- Encourage persons sharing a relevant protected characteristic to participate in public life or in any other activity in which participation by such persons is disproportionately low.

2. Equalities Impact Assessment:

The impact of the scheme is considered to be neutral for groups with protected characteristics.

During construction it is anticipated that the scheme may cause disruption to residents, pedestrians, and road users as access to playing fields, pavement and roads may be restricted. However, works will be planned carefully to minimise any disruption caused.