

<b>DECISION-MAKER:</b>	DIRECTOR OF ECONOMIC DEVELOPMENT
<b>SUBJECT:</b>	APPROVAL OF THE SURFACE WATER MANAGEMENT PLAN
<b>DATE OF DECISION:</b>	28 NOVEMBER 2011
<b>REPORT OF:</b>	HEAD OF PLANNING AND SUSTAINABILITY
<b>STATEMENT OF CONFIDENTIALITY</b>	
Not applicable	

### **BRIEF SUMMARY**

The purpose of this report is to seek approval of the Southampton Surface Water Management Plan (SWMP) which outlines recommendations to manage the areas identified as being at potential high risk from surface water flooding in the City. The SWMP maps the surface water flood risk areas within Southampton, determining the potential extent and consequences in order to establish the priority areas. Following a high-level appraisal of the options, the recommendations outline the preferred option to manage the risk for each of the identified priority areas.

### **RECOMMENDATIONS:**

- (i) To approve the Southampton Surface Water Management Plan
- (ii) To endorse the action plan that will need to be implemented to manage surface water flood risk within the city.

### **REASONS FOR REPORT RECOMMENDATIONS**

1. To enable sustainable and strategic management of surface water flood risk within the identified high risk areas throughout the City.
2. Endorsement of the action plan will provide a mechanism for management through a series of different activities.
3. Approval of the SWMP, and subsequent implementation of the action plan, will facilitate future applications for national funding towards schemes to manage surface water flood risk.
4. The SWMP will assist with the delivery of the Council's statutory duties and responsibilities under the Flood and Water Management Act, namely the development of the Local Flood Risk Management Strategy which must outline the assessment of local flood risk (which includes surface water), measures to manage the risk and anticipated implementation of the identified measures.

### **ALTERNATIVE OPTIONS CONSIDERED AND REJECTED**

5. The alternative would be to not approve, and thus implement, the SWMP. This option was rejected on the basis that it would not encourage proactive management of surface water flood risk, it would result in wasted expenditure on completing the SWMP and would not assist with the delivery of the Council's statutory duty to complete a Local Flood Risk Management Strategy.

## **DETAIL (Including consultation carried out)**

6. The SWMP (Appendix 1) maps the surface water flood risk areas throughout the city determining the potential extent and consequences in order to establish the priority high risk hot-spot areas. Following a high-level appraisal of the options, the SWMP outlines a number of recommendations which detail the preferred option to manage the risk for each of the high risk hot-spot areas.
7. Eight high risk hot-spot areas were identified (Members Room Document 1 – Figure HTS-001):
  - Merging point of Tanners Brook and Holly Brook
  - A33 Millbrook Road West
  - Southampton Central Station
  - City Centre (St Andrews Road)
  - City Centre (Queens Park)
  - West Quay retail area (Western Esplanade/Harbour Parade)
  - Stoneham Way (junction with Wide Lane)
  - Shoreburs Greenway (Millers Pond)
8. The following measures were considered to manage surface water flood risk in the high risk hot-spot areas:
  1. Do nothing
  2. Do minimum
  3. Maintenance/repair of existing infrastructure
  4. Additional, extended or enlarged infrastructure
  5. Flow attenuation measures in sewers and/or watercourses
  6. ABP outlet upgrade works
  7. On-line control & features
  8. Sustainable Drainage (SUDS) schemes
  9. SUDS in key development sites
9. The options were assessed using a high level benefit and costing criteria to identify the preferred option for each high risk hot-spot area. The preferred options are outlined below:

**Merging point of Tanners Brook & Holly Brook & A33 Millbrook Road West**

  - Installation of in-channel features to Tanners Brook channel section between Winchester Road and Millbrook Road West
  - Installation of on-line control features to Holly Brook watercourse section between Southampton Common and West Hill Court
  - Implementation of a SUDS scheme within Lordsdale Greenway area adjacent to Tanners Brook
  - Implementation of a SUDS scheme to attenuate flood water runoff within Southampton Sports Centre grounds

### **Southampton Central Station & West Quay retail area (Western Esplanade/Harbour Parade)**

- Installation of on-line control features to Rolles Brook watercourse section between Southampton Common and West Hill Court (immediately north of Central Station)
- Implementation of a SUDS scheme to attenuate flood water runoff in Southampton Common

### **Shoreburs Greenway (Millers Pond)**

- De-culverting the watercourse through Millers Pond

### **City Centre (St Andrews Road), City Centre (Queens Park) & Stoneham Way (junction with Wide Lane)**

- CCTV surveying and inspection of the surface water network
- Prioritising planned highways related maintenance works to these areas

10. Development and review of the SWMP was conducted in conjunction with the following professional partners:

- Environment Agency
- Southern Water
- ABP
- Network Rail
- West Quay

This partnership working will continue throughout implementation of the SWMP.

11. The volume 2 report (Appendix 2 – data received from partners) has been redacted in line with the exemptions made available under the Freedom of Information Act. These include items containing personal information and health and safety issues.
12. **Action Plan:** The identified actions outlined in the Action Plan (Appendix 3) are necessary to enable the implementation of the SWMP.

## **RESOURCE IMPLICATIONS**

### **Capital/Revenue**

13. Resources for project activities (such as the feasibility studies of the recommended scheme options) have been identified in existing budgets. Resources for the design and implementation of future capital schemes (dependent on the outcome of the feasibility) have not presently been identified in future budgets. A range of sources of funding will be explored to finance the delivery of the feasible capital schemes.
14. Delivery of the passive activities within the action plan will be absorbed in normal staff costs and delivered through work elements by existing staff.

### **Property/Other**

15. There are no immediate property implications arising from the SWMP. Should

property implications be identified as implementation of the SWMP develops, these will be brought to members after consultation with relevant interested parties.

16. There are no additional identified resource implications.

## **LEGAL IMPLICATIONS**

### **Statutory power to undertake proposals in the report:**

17. The statutory power to undertake proposals to manage surface water flood risks are held by Southampton City Council under the Land Drainage Act 1991, although these are permissive powers.

### **Other Legal Implications:**

18. The SWMP will assist with the delivery of the Council's statutory duties and responsibilities as a Lead Local Flood Authority under the Flood & Water Management Act 2010.

## **POLICY FRAMEWORK IMPLICATIONS**

19. The SWMP will provide technical support to inform the flood risk management elements/policies within the series of documents comprising the Local Development Framework.

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**KEY DECISION?** Yes

<b>WARDS/COMMUNITIES AFFECTED:</b>	BARGATE, BEVOIS, FREEMANTLE, MILLBROOK, SHIRLEY, SHOLING & SWAYTHLING
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## **SUPPORTING DOCUMENTATION**

**Non-confidential appendices are in the Members' Rooms and can be accessed on-line**

### **Appendices**

1.	Southampton Surface Water Management Plan Volume 1 report
2.	Southampton Surface Water Management Plan Volume 2 report
3.	Southampton Surface Water Management Plan Action Plan

### **Documents In Members' Rooms**

1.	Southampton Surface Water Management Plan Volume 3 report
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### **Integrated Impact Assessment**

Do the implications/subject of the report require an Integrated Impact Assessment (IIA) to be carried out.	No
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## Other Background Documents

**Integrated Impact Assessment and Other Background documents available for inspection at:** Volume 1, Volume 2 and the Action Plan are available to view and download from <http://intranet.southampton.gov.uk/economic-development/PlanningSustainability/sustainability.aspx>

Volume 3 is available to view at Planning & Sustainability, Floor 1, 45 Castle Way, Southampton.

Title of Background Paper(s)

Relevant Paragraph of the Access to Information Procedure Rules / Schedule 12A allowing document to be Exempt/Confidential (if applicable)

1.	None	
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