

**Report to Chief Officer (Highways and Transportation)**

**Date: 24 November 2015**

**Subject: Approval for minor drainage schemes for 2015/16 in South East Leeds**

**Capital Scheme Number: 32440 / 000 / 000**

Are specific electoral Wards affected? If relevant, name(s) of Ward(s): <b>Kippax &amp; Methley and Garforth &amp; Swillington</b>	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Are there implications for equality and diversity and cohesion and integration?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Is the decision eligible for Call-In?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Does the report contain confidential or exempt information? If relevant, Access to Information Procedure Rule number: Appendix number: <b>N/A</b>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No

**Summary of main issues**

1. There is a long history of property flooding in the SE of the District going back to the 1980's and significant recent flooding recorded in 1997, 2000, 2002 (twice), 2004, 2007, 2012, 2014 and most recently in August 2015.
2. A number of minor drainage schemes have been identified that would increase the standard of flood protection in the SE Leeds.
3. The benefits of the proposed schemes will be a significant reduction in the risk of flooding to a number of residential properties; which are all known to be at risk. There will also be potential wider indirect benefits to other residential properties in the vicinity and to the public highway through better management of surface water runoff.

**Recommendations**

- 4 The Chief Officer (Highways and Transportation) is requested to:
  - i) Approve the implementation of the proposed schemes to reduce flood risk across SE Leeds, at a cost of £158,000;
  - ii) Approve the injection of £8,000 into the capital programme, being an additional contribution from the Yorkshire Water Authority;

- iii) Give authority to incur capital expenditure of £158,000 on progressing and implementing the proposed schemes in 2015/16, funded from LCC Capital resources £150,000 and a contribution from the Yorkshire Water Authority £8,000.

## 1. Purpose of this report

- 1.1 To give authority to incur capital expenditure on proposed schemes which will benefit the communities across South East Leeds through reducing flood risk.

## 2 Background Information

- 2.1 There is a long history of property flooding in the SE of the District going back to the 1980's and significant recent flooding recorded in 1997, 2000, 2002 (twice), 2004, 2007 and 2012. On Friday 8th August 2014 further significant flooding was experienced in the area with over 100 residential properties flooded internally and an additional 300 properties externally. Further flooding occurred on 22<sup>nd</sup> August 2015, again causing huge pain and worry to residents that had flooded only 12 months previously. The sources of flooding are a complex mixture of surface water runoff from fields and urban areas and also fluvial flooding directly from Lin Dyke and its tributaries.

- 2.2 A study into flooding in the Lin Dyke catchment, centred on Garforth, was undertaken by Leeds City Council (LCC) in conjunction with the Environment Agency (EA), Yorkshire Water Services (YWS) and other partner organisations in 2008. This West Garforth, Integrated Urban Drainage Pilot (IUDP) Study involved hydraulic modelling of a section of the Garforth surface water drainage and culverted watercourse network which outfalls to Lin Dyke.

- 2.3 A number of flood alleviation and drainage improvement schemes have been implemented, following on from this study, to increase the standard of flood protection to properties in the Lin Dyke catchment. Most notably:

- Leeds Road Pumping Station, Allerton Bywater – pumping station scheme to reduce instances of highway flooding. Completed in 2011.
- Barley Hill Recreation Ground Flood Alleviation Scheme, Garforth – surface water SUDS scheme utilising a recreation ground as a temporary flood storage area. Completed in 2012.
- Lowther Road Flood Alleviation Scheme, Garforth – 100m long culverted watercourse bypass. Completed in February 2014.
- Ramsden Street Flood Alleviation Scheme, Kippax – 270m long earth flood embankment to increase flood protection to 32 residential properties. Completed in July 2015.

- 2.4 A further scheme is also currently in progress with funding secured from the Environment Agency (EA) at:

- Hawthorn Terrace, Garforth – a scheme to reduce flood risk to 10 residential properties from field runoff. Currently at design stage with construction commencing in January 2016.

2.5 In addition to the above implemented and in progress schemes further “proposed schemes” have been identified to increase the standard of flood protection in the Lin Dyke catchment and in Garforth in particular. These schemes, listed below, are currently at the preliminary design stage and will require capital funding in future years to progress further:

- Glebelands Recreation Ground, Garforth – proposed SUDS scheme to control surface water runoff from the recreation ground and thereby reduce property flooding.
- Barley Hill Recreation Ground Phase 2 – proposed scheme to increase volume of surface water storage in existing SUDS scheme and thereby reduce property flooding.
- Wakefield Rd, Garforth - proposals to direct the flow of a watercourse from Garforth into an adjacent watercourse, which runs around the urban area.

### **3 Main Issues**

- 3.1 The proposed works in Appendix 1 will make an immediate improvement to the flood risk faced by a number of properties across the area and delivers part of the work identified in the Strategy on S31 Lin Dyke Catchment.
- 3.2 The works involve the improvement of the current drainage across the SE of the District. These are seen as minor works that have a significant impact to the public that can be implemented over a fairly short timescale.
- 3.3 The proposed works will reduce the risk of flooding to residential properties in many locations. At present these properties flood on a frequent basis.
- 3.4 The proposed works will not increase the flows of water downstream and therefore will not increase the risk of flooding to properties downstream of the sites.
- 3.5 Planning applications are not required. The works are largely within the Highway and will require street works permits.
- 3.6 It is intended to undertake the works in the 2015/16 financial year.

### **4. Corporate Considerations**

#### **4.1 Consultation and Engagement**

- 4.1.1 The Ward Members will be consulted on the works in their individual wards.
- 4.1.2 Yorkshire Water Services and LCC Highways will be consulted as the scheme design progresses to ensure that the proposals do not negatively impact on their assets.
- 4.1.3 Further engagement will take place as the individual schemes are developed.

#### **4.2 Equality and Diversity / Cohesion and Integration**

- 4.2.1 An EDCI screening has been completed and indicated that an Equality Impact Assessment is not required for what is being proposed.

4.2.2 It should be noted that by carrying out these works the Council will be ensuring the safety of the local community and in particular more vulnerable residents such as those who are elderly or have a disability and may struggle to get to safety if flooding occurred.

### 4.3 **Council policies and City Priorities**

4.3.1 The proposed works will provide improvements to the community and the neighbourhood by reducing the risk of flooding to this area.

4.3.2 The Council is meeting its responsibility as Lead Local Flood Authority in reducing flood risk.

### 4.4 **Resources and value for money**

4.4.1 The total estimated scheme costs are £158,000 (£150,500 construction cost and £7,500 staff costs). The scheme costs will be funded from the £150,000 allocated LCC Capital Resources in 2015/16 and a contribution of £8,000 from the Yorkshire Water Authority.

## 4.5 Capital Funding and Cash Flow

Funding Approval :	Capital Section Reference Number :						
Previous total Authority to Spend on this scheme	TOTAL	TO MARCH	FORECAST				
	£000's	2015 £000's	015/16	2016/17	2017/18	2018/19	2019 on
			£000's	£000's	£000's	£000's	£000's
LAND (1)	0.0						
CONSTRUCTION (3)	0.0						
FURN & EQPT (5)	0.0						
DESIGN FEES (6)	0.0						
OTHER COSTS (7)	0.0						
<b>TOTALS</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
Authority to Spend required for this Approval	TOTAL	TO MARCH	FORECAST				
	£000's	2015 £000's	015/16	2016/17	2017/18	2018/19	2019 on
			£000's	£000's	£000's	£000's	£000's
LAND (1)	0.0		0.0				
CONSTRUCTION (3)	150.5		150.5				
FURN & EQPT (5)	0.0		0.0				
DESIGN FEES (6)	7.5		7.5				
OTHER COSTS (7)	0.0		0.0				
<b>TOTALS</b>	<b>158.0</b>	<b>0.0</b>	<b>158.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
Total overall Funding (As per latest Capital Programme)	TOTAL	TO MARCH	FORECAST				
	£000's	2015 £000's	015/16	2016/17	2017/18	2018/19	2019 on
			£000's	£000's	£000's	£000's	£000's
LCC Supported Borrowing	150.0		150.0				
Revenue Contribution	0.0						
Capital Receipt	0.0						
Government Grant	0.0						
Any Other Income (YWA)	8.0		8.0				
<b>Total Funding</b>	<b>158.0</b>	<b>0.0</b>	<b>158.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>
<b>Balance / Shortfall =</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>	<b>0.0</b>

## 4.6 Revenue Effects

4.6.1 The proposed works have little effect on revenue budgets.

## 4.7 Legal Implications, Access to Information and Call In

4.7.1 The proposed works will reduce the flood risk across the SE of the District. The content of the report is a Significant Decision and is not subject to Call In.

## 4.8 Risk Management

4.8.1 Not undertaking these works will leave the properties at a high risk of flooding.

## 5 Conclusions

5.1 The benefits of the proposed schemes will be a significant reduction in flood risk to a number of residential properties, which are all known to be at risk. There will also be potential wider benefits to other residential properties in the vicinity and to the public highway through better management of surface water runoff.

## **6 Recommendations**

6.1 The Chief Officer (Highways and Transportation) is requested to:

- i) Approve the implementation of the proposed schemes to reduce flood risk across SE Leeds, at a cost of £158,000;
- ii) Approve the injection of £8,000 into the capital programme, being an additional contribution from the Yorkshire Water Authority; and
- iii) Give authority to incur capital expenditure of £158,000 on progressing and implementing the proposed schemes in 2015/16, funded from LCC Capital resources £150,000 and a contribution from the Yorkshire Water Authority £8,000.

## **7 Background documents<sup>1</sup>**

7.1 Appendix 1 – List of proposed schemes.

7.2 Appendix 2 – Equality Impact Assessment.

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<sup>1</sup> The background documents listed in this section are available for inspection on request for a period of four years following the date of the relevant meeting. Accordingly this list does not include documents containing exempt or confidential information, or any published works. Requests to inspect any background documents should be submitted to the report author.

## Appendix 2 - Equality, Diversity, Cohesion and Integration Screening

As a public authority we need to ensure that all our strategies, policies, service and functions, both current and proposed have given proper consideration to equality, diversity, cohesion and integration.

A **screening** process can help judge relevance and provides a record of both the **process** and **decision**. Screening should be a short, sharp exercise that determines relevance for all new and revised strategies, policies, services and functions. Completed at the earliest opportunity it will help to determine:

- the relevance of proposals and decisions to equality, diversity, cohesion and integration.
- whether or not equality, diversity, cohesion and integration is being/has already been considered, and
- whether or not it is necessary to carry out an impact assessment.

<b>Directorate: City Development</b>	<b>Service area: Flood Risk Management</b>
<b>Lead person: Ian Hope</b>	<b>Contact number: 0113 395 2406</b>

<b>1. Title: Flood Alleviation Schemes in SE Leeds</b>
Is this a:
<input type="checkbox"/> <b>Strategy / Policy</b> <input checked="" type="checkbox"/> <b>Service / Function</b> <input type="checkbox"/> <b>Other</b>
<b>If other, please specify</b>

<b>2. Please provide a brief description of what you are screening</b>
<b>This EIA screening assessment is for the proposed flood alleviation works across the SE Leeds. The works involve the construction of new drainage infrastructure which will reduce the risk of flooding to residential properties in the area.</b>
<b>The works comprise small works to improve the drainage of surface water during high intensity rainfall events and control the release of surface water downstream.</b>

<b>3. Relevance to equality, diversity, cohesion and integration</b>
All the council's strategies/policies, services/functions affect service users, employees or the wider community – city wide or more local. These will also have a greater/lesser

relevance to equality, diversity, cohesion and integration.

The following questions will help you to identify how relevant your proposals are.

When considering these questions think about age, carers, disability, gender reassignment, race, religion or belief, sex, sexual orientation and any other relevant characteristics (for example socio-economic status, social class, income, unemployment, residential location or family background and education or skills levels).

Questions	Yes	No
Is there an existing or likely differential impact for the different equality characteristics?		X
Have there been or likely to be any public concerns about the policy or proposal?		X
Could the proposal affect how our services, commissioning or procurement activities are organised, provided, located and by whom?		X
Could the proposal affect our workforce or employment practices?		X
Does the proposal involve or will it have an impact on <ul style="list-style-type: none"> <li>• Eliminating unlawful discrimination, victimisation and harassment</li> <li>• Advancing equality of opportunity</li> <li>• Fostering good relations</li> </ul>		X

If you have answered **no** to the questions above please complete **sections 6 and 7**

If you have answered **yes** to any of the above and;

- Believe you have already considered the impact on equality, diversity, cohesion and integration within your proposal please go to **section 4**.
- Are not already considering the impact on equality, diversity, cohesion and integration within your proposal please go to **section 5**.

#### 4. Considering the impact on equality, diversity, cohesion and integration

If you can demonstrate you have considered how your proposals impact on equality, diversity, cohesion and integration you have carried out an impact assessment.

Please provide specific details for all three areas below (use the prompts for guidance).

- **How have you considered equality, diversity, cohesion and integration?** (think about the scope of the proposal, who is likely to be affected, equality related information, gaps in information and plans to address, consultation and engagement activities (taken place or planned) with those likely to be affected)

- **Key findings** (think about any potential positive and negative impact on different equality characteristics, potential to promote strong and positive relationships between groups, potential to bring groups/communities into increased contact with each other, perception that the proposal could benefit one group at the expense of another)



- **Actions**  
(**think about** how you will promote positive impact and remove/ reduce negative impact)

**5.** If you are **not** already considering the impact on equality, diversity, cohesion and integration you **will need to carry out an impact assessment.**

Date to scope and plan your impact assessment:	
Date to complete your impact assessment	
Lead person for your impact assessment (Include name and job title)	

**6. Governance, ownership and approval**

Please state here who has approved the actions and outcomes of the screening

<b>Name</b>	<b>Job title</b>	<b>Date</b>
Peter Davis	Flood Risk Manager	30/9/15

**7. Publishing**

This screening document will act as evidence that due regard to equality and diversity has been given. If you are not carrying out an independent impact assessment the screening document will need to be published.

Please send a copy to the Equality Team for publishing

<b>Date screening completed</b>	30/9/15
<b>If relates to a Key Decision send to Corporate Governance</b>	
<b>Any other decision please send to Equality Team (equalityteam@leeds.gov.uk)</b>	