
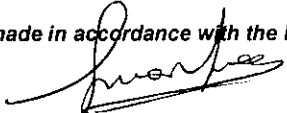



**SHEFFIELD CITY COUNCIL**  
**Non-Key Decision by an Executive Director**

1	<b>Report Author (the Senior Responsible Officer (SRO) - Head of Service or Director):</b>	David Caulfield, Director of Regeneration and Development Services	
2	<b>Subject Matter:</b>	Flooding Event – Chapeltown, Sheffield, July 2013	
3	<b>Decision Maker (Name of Executive Director):</b>	Simon Green, Executive Director of Place	
4	<b>Portfolio:</b>	Environment, Recycling and Streetscene	
5	<b>Decision to be Taken:</b>	Approval to publish a report into the investigation of a flooding event that occurred in Chapeltown, Sheffield on 28 July 2013.	
6	<b>Reason for the Decision (to show that relevant issues have been taken into account and irrelevant issues have been disregarded):</b>	To comply with a statutory duty as Lead Local Flood Authority for the Sheffield area. Refer to attached report.	
7	<b>Category of Report:</b>	<b>OPEN</b>	
	<b>If closed, approved by:</b>  <i>In making this exemption, I have considered the presumption in favour of disclosure of information contained in the Freedom of Information Act, but consider that the public interest in maintaining the exemption outweighs the public interest in disclosing this information. The reasons for this are attached to this report.</i>	<b>Name:</b>	
		<b>Position:</b>	
8	<b>Date added to Forward Plan.</b> The Forward Plan is maintained by Democratic Services and overseen by EMT. It is a statutory document which is published on the 15 <sup>th</sup> of every month and sets out the important decisions to be made in the following four months of the year.	<b>Not applicable – non key decision</b>	
9	<b>Date the Report and Background Papers were sent to Democratic Services for publication in accordance with Access to Information Rules.</b> All proposed key decisions <u>must</u> be publicised on the Council's website, 5 clear working days before the decision is made.	<b>Not applicable – non key decision</b>	
10	<b>Relevant departments consulted and comments incorporated/additional forms completed/EIA completed</b>  Tick ✓ as required	Finance	<input checked="" type="checkbox"/>
		Legal	<input checked="" type="checkbox"/>
		Commercial	<input type="checkbox"/>
		HR	<input type="checkbox"/>
		Equalities	<input type="checkbox"/>
		P&FM	<input type="checkbox"/>
	Other (Please specify)	<input type="checkbox"/>	

11	The appropriate SRO certifies that all necessary approval has been obtained in respect of Financial, Legal, HR, Commercial Property and Equalities implications and that any additional forms have been completed and signed off as required at 10.	
	<b>Signed:</b>  <b>Print Name:</b> David Caulfield	<b>Position:</b> Director of Regeneration and Development Services  <b>Date:</b> 16/10/13
12	<b>Confirmation of Executive Director Non-Key Decision</b>  <i>This is an Executive Director non-key decision, made in accordance with the Leader's Scheme of Delegation of Executive Functions.</i>  I confirm my decision as set out above 	

<b>Executive Director's Signature:</b>  <b>Print Name:</b> Simon Green	<b>Portfolio:</b> Place  <b>Date:</b> 17/10/13
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# SHEFFIELD CITY COUNCIL

## Executive Director Non-Key Decision

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**Report of:** Simon Green, Executive Director, Place

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**Cabinet Portfolio:** Environment, Recycling and Streetscene

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**Date:** 8 October 2013

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**Subject:** Statutory Flood Event – Chapeltown, Sheffield on  
28 July 2013

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**Author of Report:** James Fletcher, Regeneration and Development  
Services (2735847)

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**Summary:**

As Lead Local Flood Authority (LLFA) for the Sheffield area, the City Council has undertaken an investigation into flooding that occurred in the Chapeltown district of Sheffield on 28 July 2013.

The City Council considers that the impact of the flood meets the Council's threshold criteria for investigation published on the Council's website.

As LLFA, the Council's duty under section 19 of the Flood and Water Management Act is to work with the relevant flood risk management authorities to ensure that they are exercising their functions in response to the flood.

The City Council has a duty to publish a report of the investigation.

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**Reasons for Recommendations:**

To comply with the Council's statutory duty under section 19 of the Flood and Water Management Act 2010.

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**Recommendations:**

Approval to publish the attached report into the investigation of flooding that occurred in Chapeltown, Sheffield on 28 July 2013 on the City Council's website and to approve the distribution of the report to affected residents.

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**Background Papers:**

Flooding Investigation Report.

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**Category of Report:** OPEN

## Statutory and Council Policy Checklist

<b>Financial Implications</b>
YES Cleared by Catherine Rodgers, Finance Manager
<b>Legal Implications</b>
YES Cleared by: Nadine Wynter, Service Manager, Legal Services
<b>Equality of Opportunity Implications</b>
NO
<b>Tackling Health Inequalities Implications</b>
NO
<b>Human rights Implications</b>
NO
<b>Environmental and Sustainability implications</b>
YES
<b>Economic impact</b>
YES
<b>Community safety implications</b>
YES
<b>Human resources implications</b>
NO
<b>Property implications</b>
NO
<b>Area(s) affected</b>
Environment
<b>Relevant Cabinet Portfolio Leader</b>
Environment, Recycling and Streetscene
<b>Relevant Scrutiny Committee if decision called in</b>
Economic and Environmental Wellbeing
<b>Is the item a matter which is reserved for approval by the City Council?</b>
NO
<b>Press release</b>
NO

# **SHEFFIELD CITY COUNCIL**

## **FLOOD AND WATER MANAGEMENT ACT 2010**

### **SECTION 19 STATUTORY REPORT: INVESTIGATION OF FLOODING ON 28 JULY 2013 IN CHAPELTOWN, SHEFFIELD**

**REPORT DATE: 18 September 2013**

#### **1.0 Introduction**

- 1.1 Sheffield City Council has undertaken an investigation into flooding that occurred on 28 July 2013 at Falding Street and Station Road in Chapeltown, Sheffield.
- 1.2 The City Council has investigated the event as Lead Local Flood Authority (LLFA) in accordance with its duties under section 19 of the Flood and Water Management Act 2010.

#### **2.0 Storm Rainfall Details**

- 2.1 Based on reports and recorded rainfall data, the storm event peaked in the early hours of Sunday 28 July 2013. Data obtained from a nearby monitoring station indicates that rainfall intensity peaked at 24mm per hour. From the recorded rainfall data, the storm's return period has been assessed at 1:17.
- 2.2 The Met Office Flood Guidance Centre issued an amber warning of rainfall for the South Yorkshire area for Sunday 28 July 2013 outlining a moderate risk of surface water flooding.

#### **3.0 Risk Management Authorities**

- 3.1 The risk management authorities (RMAs) having relevant flood risk management functions are:
  - Sheffield City Council as LLFA and the RMA for ordinary watercourses;
  - Yorkshire Water (YW) as the sewerage undertaker for the Sheffield area.

#### **4.0 Storm and Flooding Impact**

- 4.1 The impact of the storm event was determined from:
  - verbal reports given by residents and local flood wardens;
  - a written petition presented to the City Council by residents of Falding Street, Chapeltown;
  - evidence obtained from site visits following the event.

### Falding Street

- 4.2 The residents reported that the storm resulted in overland flows from a surcharged manhole on a culverted watercourse at position A (refer Appendix – plan 1). This flow contributed the majority of floodwater to the area resulting in internal flooding to 4 properties on Falding Street and damage to a garden wall. Other properties were protected from internal flooding by the installation of flood boards and sandbags. The residents confirmed that this manhole has surcharged on 3 previous occasions since 2007 causing flooding to properties on Falding Street.
- 4.3 It was also reported that the combined sewer in Falding Street (at position B on plan 1) surcharged causing some sewage flooding to the area.
- 4.4 One resident reported that some surface flow came from the Cowley Lane highway onto Falding Street and believed that this was due to the surcharging of the surface water sewer running adjacent to Cowley Lane.

### Station Road

- 4.5 Local residents and staff at the Chapel Lodge Care Home reported that the combined sewer manhole in front of the Care Home (refer appendix - plan 2) surcharged causing sewage flooding to the area in front of the Care Home and to the rear gardens of properties on Station Road in the immediate vicinity. Residents stated that surcharging of this manhole has occurred during two previous storm events over the last year.

## **5.0 Immediate Response**

- 5.1 At the outset of the storm event, residents immediately implemented emergency flood protection measures installing sandbags at doors and, in some cases, flood boards.
- 5.2 Sheffield City Council's Streets Ahead contractor, Amey, attended the flooded site on Falding Street on 28 July replacing blown manhole covers and removing silt and debris from the highway and gullies.
- 5.3 Yorkshire Water (and service partners) also attended the Falding Street site on 28 July to cleanse the area contaminated with sewage flooding.
- 5.4 As a precautionary measure, the City Council's Streets Ahead contractor, Amey, cleared a build-up of silt in the Blackburn Brook close to the surface water sewer outfall at Cowley Lane on 8 August.
- 5.5 At Station Road, staff at the Care Home reported difficulties in

installing sandbags to entrances during the emergency. Also, Yorkshire Water carried out cleansing operations to the flooded area at this location some days after the event due to delays in the reporting of the incident.

## **6.0 Surveys and Investigation**

- 6.1 Yorkshire Water (YW) carried out survey investigations of both surface water and combined sewerage infrastructure in the Chapeltown area in the week following the event. YW confirmed that the survey results showed the combined sewers to be clear of blockage and defects, however the surface water sewer in Cowley Lane was found to contain silt.
- 6.2 YW's inspection of the combined sewer overflow adjacent to Falding Street (refer plan 1) indicated an electrical fault in the overflow pump which was subsequently repaired.
- 6.3 The City Council arranged for an internal survey of the watercourse pipeline from position A to its outfall on the Blackburn Brook. The survey report showed that this 675mm diameter pipeline was clear of defects and blockages.
- 6.4 Council records indicate that this watercourse originates at Bevan Way and passes along a natural valley before crossing beneath Ecclesfield Road and the railway line at Chapeltown and entering land owned by Yorkshire Water at position A. Records and inspection show that the pipeline downsizes at this manhole position from 900mm to 675mm and turns through 90 degrees to outfall to the Blackburn Brook.

## **7.0 Recommendations**

### Falding Street

- 7.1 Yorkshire Water have confirmed that levels of maintenance at the CSO adjacent to Falding Street have been increased.
- 7.2 Yorkshire Water to arrange for the surface water sewer along Cowley Lane to be desilted.
- 7.3 Yorkshire Water (as riparian owner) and Sheffield City Council (as LLFA) to assess the engineering capability of the watercourse pipeline from position A to its outfall and recommend options to improve the watercourse's flow carrying capacity at this location.

### Station Road

- 7.4 Yorkshire Water to place the combined sewer in front of the Care Home on their asset risk register as a potentially overloaded sewer. A

more detailed engineering study will be undertaken using the hydraulic sewerage model that will be available from July 2014 in order to determine options and the level of investment required to reduce the risk of sewer flooding at this location.

- 7.5 As an interim measure, Yorkshire Water have agreed to arrange the installation of demountable flood boards to the entrances to the Chapel Lodge Care Home to improve flood resilience to the Home during an emergency incident. Following installation, Yorkshire Water will arrange a demonstration of how to fit the flood boards in an emergency with Care Home staff and local flood wardens.

18 September 2013

Land Drainage and Flood Risk Management  
Regeneration and Development Services  
Sheffield City Council  
Howden House  
1 Union Street  
Sheffield S1 2SH

Tel : 0114 – 2735847

E-mail : [land.drainage@sheffield.gov.uk](mailto:land.drainage@sheffield.gov.uk)

[www.sheffield.gov.uk/environment/flooding](http://www.sheffield.gov.uk/environment/flooding)

Any information contained in this report is provided by Sheffield City Council in the exercise of its statutory duty under the Flood and Water Management Act 2010 only and is intended to provide only general information to the public. Although we try to ensure that the information is accurate and up to date we cannot and do not guarantee that the information is either. You must not, under any circumstances, rely on the information as professional advice. If you do rely on this information you do so at your own risk as we do not accept any liability to you or any other person for loss or damage from, connected with or relating to the use of our information or the reliance on the information.



Sheffield City Council  
Appendix to Investigation Report  
of Flooding on 28 July 2013 in  
Chapeltown, Sheffield

PLAN 1

Reported  
Surcharging of  
Surface Water Sewer

Combined  
Sewer  
Overflow  
(CSO)

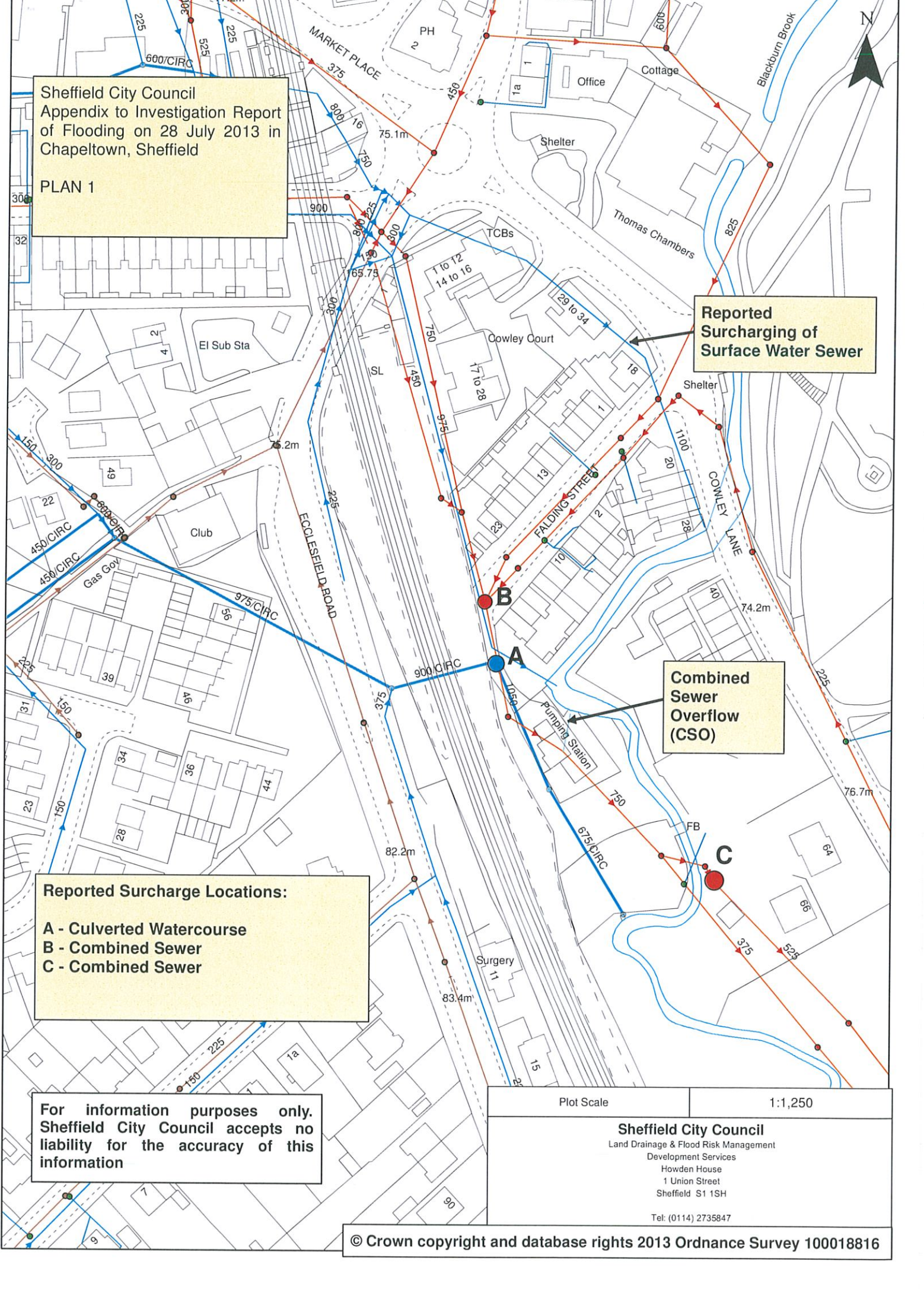
Reported Surge Locations:

- A - Culverted Watercourse
- B - Combined Sewer
- C - Combined Sewer

For information purposes only.  
Sheffield City Council accepts no  
liability for the accuracy of this  
information

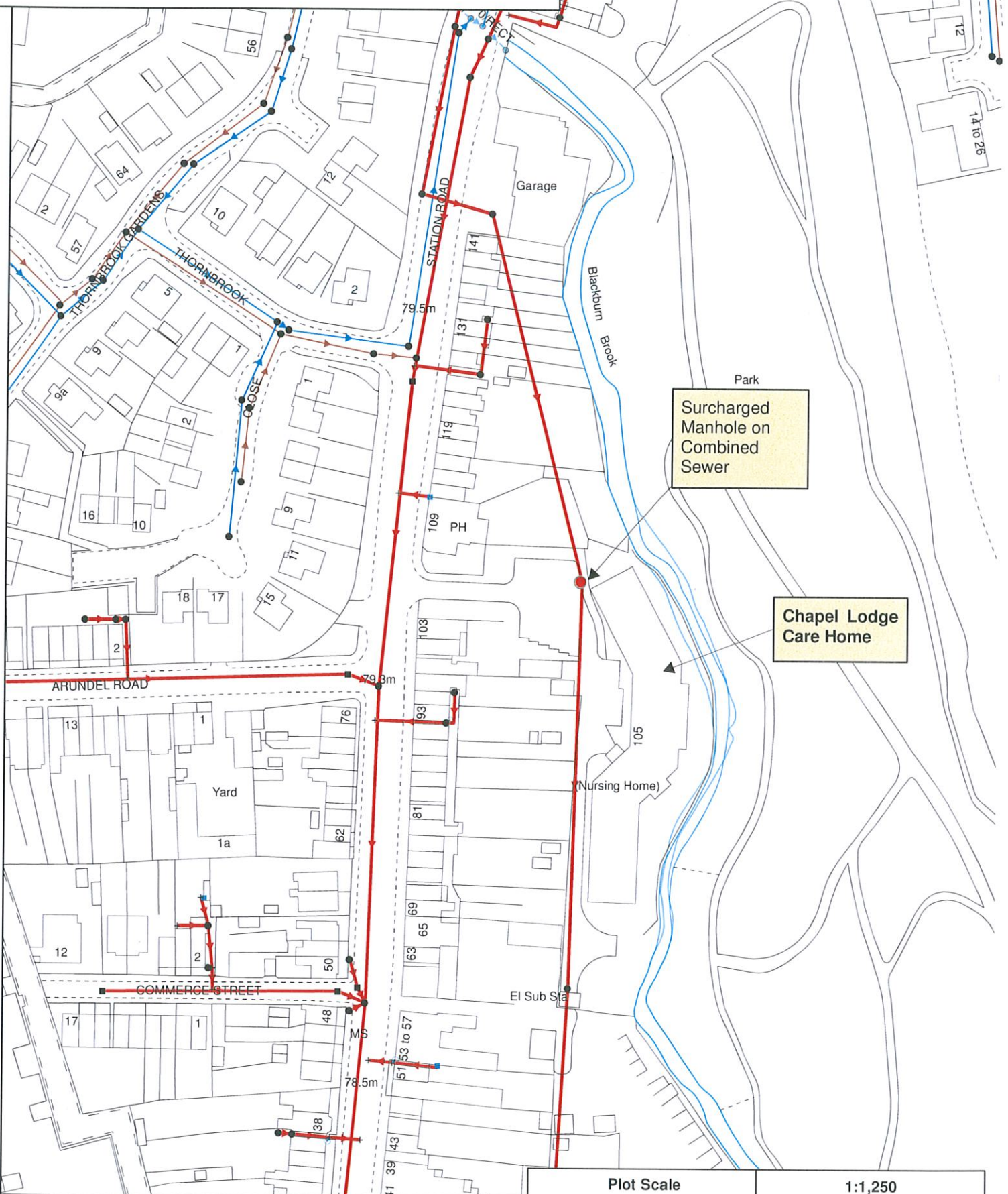
Plot Scale 1:1,250

**Sheffield City Council**  
Land Drainage & Flood Risk Management  
Development Services  
Howden House  
1 Union Street  
Sheffield S1 1SH  
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# Appendix to Report on Flooding Event in Chapeltown, Sheffield on 28 July 2013 PLAN 2



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