

Lincolnshire County Council Section 19 Investigations - NORTH DIVISION AREA F - Contact Officer: Steve Wiles, Area Highways Manager - Email - LCCHighwaysNorth@lincolnshire.gov.uk						Identified Action/Works			
Date of Incident	Town & Location	Description of Flooding & Number of properties flooded	Risk Management Authorities with Responsibilities and whether they are exercising functions	Actions and Recommendations	Consideration for inclusion in future Common Works Programme	Proposed Action/Works	Promoter	Status & Estimated Timescales	S19 Report File Reference
28-Jun-12	Keelby Maple Avenue, Riby Road and Pelham Crescent	Flooding was caused by surcharging surface water sewers combined with overland flows. 4 Properties	LCC - Yes Anglian Water - Yes	Further detailed study required into the ownership, condition and capacity of the surface water sewer system with a view to providing a new pipe system to intercept flows from the A18 Barton Street; to reduce flows entering the village, and to upgrade the pipe between Riby Road and Caddle Beck. Further LCC investigation and design required. Scheme bid submitted for feasibility and works.	Yes (may also require Anglian Water investment)	Surface water drainage scheme under consideration. Further LCC investigation and design required. Feasibility 2015/16 Work 2016/17	LCC AW	On-going Investigation & Feasibility 2015/16 Possible works 2016/17	S19-032
25-May-14	Kexby High Street	History of surface water flooding and drainage issues in location. Most recent event involved an intense period of persistent rain causing surface water drains to back up and flow into the garden and driveway, and then into the property whilst the resident was not at home. 1 Property	LCC - Yes	LCC has arranged for the surface water drainage system to be jetted and cleansed. However, there is evidence that there is a broken pipe within the system. It is proposed to install a new section of surface water drain to create a connection to another system which is known to be in good order, providing an alternative outfall and rendering the damaged pipe redundant. WLDC have been advised to sweep the roads to prevent excess silt and debris blocking the drain.	No	System has been cleansed and jetted, WLDC have swept the roads. Damaged surface water drain is currently being replaced by LCC.	LCC	Minor Works completed On-going Spring 2015	S19-076
20-July -14 & 10-Aug-14	Scotter Emison close	During heavy rain in the area, the surface water drainage system located on the High Street was unable to cope with the excess water causing it to flow down the eastern side of Emison Close and into the garden. The water entered the property via the garage and air bricks and caused damage to the living area of the property. 1 Property	LCC - Yes	The current drainage system will adequately drain normal amounts of surface water and is free flowing. However, during intense periods it has been shown that the current system will not cope. Investigations are currently being carried out to see if alteration to the footway levels and kerbing will prevent surface water from flowing onto the property. Remedial works to alter footway levels and kerbing will be programmed in the future.	No	LCC to carry out a level survey and further drainage investigations, to identify any problems with the current system and reconstruction works to alter footway and kerbs in the area.	LCC	On-going Summer 2015	S19-079
11-Aug-14	South Kelsey Thornton Road	Intense summer rainfall caused a combined sewer in the highway to surcharge, leading to a mixture of surface water and foul water entering the property. Investigations revealed an obstruction in the sewer system. 1 Property	LCC - Yes Anglian Water - Yes	The system has been cleaned and jetted out, the nature of the obstruction was unknown, but the system is now running clear. Anglian Water are to carry out an investigation into the condition of the sewer. The property owner has been advised to implement resilience measures to ensure the private connection does not back up in the event of the sewer surcharging. An example of such measures would be the fitting of a non-return valve to the connection.	No	Anglian water to carry out a condition survey of the system and the resident to consider carrying out the fitting of a non-return valve to the private system.	LCC AW Riparian Owner	On-going	S19-104

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09-Jun-14	Gainsborough Marshalls Yard	Over a period of 60 minutes during the afternoon 43.4mm of rain fell in Gainsborough, of which 35.6mm fell in 30 minutes (a return period of 227 years). The surface water drains and combined sewer systems were unable to cope with the intense rainfall, the various systems consequently surcharging and the resulting surface water runoff entering properties. In all around 50 properties were flooded internally. 50 Properties	LCC - Yes WLDC - Yes Severn Trent Water - Yes	<ol style="list-style-type: none"> That all RMA's inspect their respective infrastructure and take any necessary steps to ensure it is working as well as possible. Advice be made available to victims of flooding with regard to resistance measures which might be appropriate, for example air brick covers and flood gaters. LCC consider improvements to the highway surface water drainage where this will offer resistance to flooding from surface runoff. That the LLFA investigate the feasibility of overland flood routes to manage the risk of flooding from surface water 	No	All actions and recommendations being progressed.	LCC WLDC STW	On-going	S19-115
	Elsham Walk								
	Tower Street								
	Hill Crescent								
	Limber Close								
	Trinity Street								
	Silver Street								
	Caldicott Drive								
	Darwin Street								
	Rectory Avenue								
	Spring Gardens								
	Priory Close								
Long Wood Road									
19-Jul-14	Market Rasen Oxford Street	Following a period of unusually intense rainfall as a result of which the surface water highway drain surcharged, the resultant surface runoff from the road and footway entered the property through the door. 1 Property	LCC - Yes	The recommendations including Cleaning and jetting the entire drainage system. During the routine gully cleansing a minor defects were reported approximately 50m from the property. As part as routine maintenance the blocked connection will be repaired in due course.	No	Routine maintenance will be carried out to remove the blockage from the connection further down the system.	LCC	On-going Summer 2015	S19-114
21-Jul-14	Hemswell Capper Avenue	The cause of flooding appears to be surface water run-off from the carriageway and adjacent open grass area following a period of heavy rain, with the carriageway drainage unable to cope. Capper Avenue is a private road in the control of a management company, which includes the surface water drainage. 1 Property	LCC - Yes Anglian Water - Yes	<p>The recommendations include investigations be made by the management company into the surface water drainage system to check the system is operating at full capacity, and identify and reasonable improvements to mitigate residual flood risk.</p> <p>That investigations be made by Anglian Water into the condition of the foul system.</p> <p>That the property owner be reminded of advice given in 2012 by WLDC with regard to flood risk management and property protection.</p>	No	All actions and recommendations being progressed.	LCC AW Private	On-going Autumn 2015	S19-127

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