**Sutton upon Derwent Parish Council**

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**PUBLIC MEETING**

**Wednesday 6th July 2016**

**Aim:** To secure improvement to the drainage in Sutton upon Derwent and to reduce the risk of flooding.

**Objectives:** 1. To receive reports of investigations of sewage/drainage systems in the village

 2. To discuss the findings and their implications.

 3. To formulate an action plan and time line for remedying any faults.

 4. To agree on proposed works and responsibilities.

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**HISTORY: -**

Drainage was originally open ditch system.

Yorkshire Water installed a combined system taking foul and roof water.

Surface water continued to run into surface water drain, ownership of which is uncertain according to ERYC. Would have been a riparian owned and piped and filled in over the years.

Road gullies put in which drain into surface water drain. Highways Authorities responsible for maintenance of gullies.

**ERYC FLOOD RISK MANAGEMENT TEAM INVESTIGATIONS AND ACTIONS TO DATE:**

ERYC have cleaned and surveyed the whole length of the surface water system as far as they were able.

There are 2 areas of collapse and an intrusion by a gas main.

Water runs off the land into the road gullies.

Flow restricted by lack of maintenance and heavy rain. Clay based fields are higher than the road – creating run off.

No real solution, particularly in periods of intense rain.

Highways reserve the right to discharge wherever they please.

Roof water from handful of houses drains into surface water drain.

ERYC have instructed their legal team to look into the ownership of the surface water drains.

**YORKSHIRE WATER INVESTIGATIONS AND ACTIONS TO DATE:-**

Combined system flows into pumping station.

YW have surveyed the full length of the system.

Blockages of silt and incrustation were found. There has not previously been any cleaning of the drain.

System has been jetted removing the silt. This should increase the flow capacity.

Drop tests have been carried out at the pumping station. Everything is satisfactory.

The pumping station overflow discharges into the surface water drain.

No properties in the village are on Yorkshire Water’s flood risk register.

**RESIDENTS COMMENTS:**

Pipe to the pumping station installed in 1970 had a 150mm diameter and served 80 houses.

The original design capacity of the pumps for the pumping station had been reduced to avoid the pipe blowing.

Now nearly 300 homes in the village. Pipe size has not been increased accordingly and has blown several times.

Pumping station was recommended for an upgrade. This did not happen as it would blow the rising main.

PC has a thick file on flooding in the village.

Some properties have installed non-return valves.

**ANSWERS TO RESIDENTS’ QUESTIONS:**

There is not formula to calculate size of pipe needed. A computer model exercise would have to be carried out to determine the size of pipe required. This has not been done yet. An engineer would have to refer to a computer model as unable to recommend an adequate size based on experience.

YW not able to confirm if existing system is fully capable of meeting current requirements.

Sewage on the road could be because of problems already addressed.

Drains are desilted on a re-active basis. This has not been done in Sutton upon Derwent.

All drainage pumps to Melbourne. If over-loaded when drains merge, spillage is at Melbourne.

YW need to see if there is infiltration from ground water when it is raining. They currently do not know if that is the case.

Sewage system inundated with surface water.

The effect from climate change would have to be dealt with as a whole rather than with individual properties.

Climate change is being taken into account. The new ‘normal’ is inundation.

Pipe to Melbourne picks up flow from East Cottingwith. Pipe is suitable for both catchments though has blown in the past.

ERYC has a small revenue for repairs. Although the blockages are not ERYC’s responsibility, they will carry out the small works which are required.

Case could be made to DEFRA but not enough effected properties in Sutton upon Derwent to warrant a case.

**RECOMMENDATIONS/SUGGESTIONS:**

YW recommend that individuals report flooding issues directly to them as the quantity of reports has more impact. They would come out and assess the situation and determine if the incident should be placed on a ‘flooding register’.

YW provide contact details for the reporting of flooding.

In the light that there are no DCLG monies available, a no-liability joint agreement be set up between YW/ERYC/Parish Council so residents can make a claim.

YW recommend that approval for any further development be put on hold until all drainage/flooding issues have been looked into.

A survey of the land would suggest creation of more land drains, to which ERYC would have no objection.

**ACTIONS:**

ERYC: - to work with YW to identify ownership of surface water drain.

 - will dig down and unblock 2 areas already identified.

 - will contact British Gas re removal of gas pipe which breaks into and is obstructing the drain.

 - will pursue works ticket that is already in for repairs to collapsed road gulley outside Field House.

YW: - will finish cleaning system.

 - will carry out final cctv inspection. This will be reviewed by an engineer.

 - will set up works within next 2-4 weeks using a robotic cutter to cut through the incrustation (fat deposits).

 - will set up a routine de-silting programme.

 - will look at calculations and capacity of pumping station and rising main to determine if the present system has

 sufficient capacity for current needs.

 - will provide an email address and telephone number for residents to call in any flooding issues.

PC: - will provide information of flooding correspondence to YW. YW to respond.

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Website: www.suttonuponderwent.org.uk