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Overview

Bar Hill is located in a valley between two hills. The main hill is on the Lolworth side of the village. There are only 2 destinations where the surface water of Bar Hill is directed. The first is Dam Brook (also known as Oakington Brook) and the second is the Infiltration Basin (often called incorrectly a “balancing Pond”) by the flyover at the entrance to the village. There is some evidence that some of the newer buildings on the Trafalgar Way industrial estate have a drainage connection to the Longstanton Brook. There is also a ditch running parallel to the A14 that drains water from the Infiltration Basin into Longstanton Brook .

***Robin Close, Gladeside, Almond Grove, Acorn Avenue and Fox hollow***

The surface water drainage for the first phase of the village is connected to a main drain that runs east alongside Crafts Way by the golf course and connects to Dam Brook close to the point where the brook flows under Crafts Way. This Drain serves Robin Close, Gladeside, Almond Grove, Acorn Avenue and Fox hollow.

***Hollytrees, Appletrees, Watermead, Hillcrest, Brookdale and Chestnut Rise***

A number of areas of the village connect directly to Dam Brook these are Hollytrees, Appletrees, watermead, Hillcrest, Brookdale and Chestnut Rise.

***The Brambles, Thruffle Way and the Fairway***

The Brambles, Thruffle Way and the Fairway are connected to a drain that follows Crafts way and connects to Dam Brook a little way inside the golf course.

***Field View and The Spinney***

Field View and The Spinney are connected together and connect to a main drain following Crafts Way that connects to Dam Brook close to where it flows under Crafts Way near the Balancing pond/Nature Reserve.

***Little Meadow and Stonefield***

Little Meadow and Stonefield connect to a drain following Crafts Way and joining the main drain close to Field View.

***Pheasant Rise, Oatlands Ave, Otter Gardens, Otter Close and Partridge Drive***

Pheasant Rise, Oatlands Avenue, Otter Gardens, Otter Close and Partridge Drive all connect to a main Ø375mm drain running parallel to the Spine Path. This drain follows the Spine Path until it reaches the back of Hanover Housing. Here it increases in size to Ø600 and turns west behind Hanover Housing, north up to the south side of the first line of Viking Way industrial units and then west to run parallel to Viking way, behind the row of industrial units. It then continues under Saxon way to connect to the outfall at the start of the Saxon Way ditch. At the end of the Saxon Way ditch the water returns underground via a grill and sump and joins up with the Viking way drains and then the Tesco drains.

***Viking Way Industrial estate***

The line of industrial units on the south side of Viking way are drained by the western leg of the spine path drain that runs behind the units.

The units to the north are served by a series of drains that eventually link into the Tesco drainage system and links up with the drain that that runs from the northern end of the Saxon Way ditch to join with the Ø1050mm drain into the Infiltration basin close to the entrance to the Skate Park.

***Tesco's store and carpark***

There are 3 drains that run under the Tesco carpark and one that runs along the front of the store. These all link up under the Fox pub carpark close to the pedestrian crossing near the Tesco bus stop. There is a link from where these drains join to the infiltration basin drain joining where the northern Viking way drains join.

**Bar Hill Primary School and Library**

There is only one drain shown that serves the school and also the library. This drain runs from the road outside the school entrance along the edge of the Tesco carpark and links into the Tesco carpark drains under the Fox pub carpark. The drain at the back of the library is part of the drainage of the Robin close complex.

**Trafalgar industrial estate drains**

There are drains under most of the roads and some of the carparks. These drains all link together and culminate in a single drain that joins into the drain linking the Tesco drains with the Infiltration Basin. There are no links to other parts of the drainage system.

**The Willows drains**

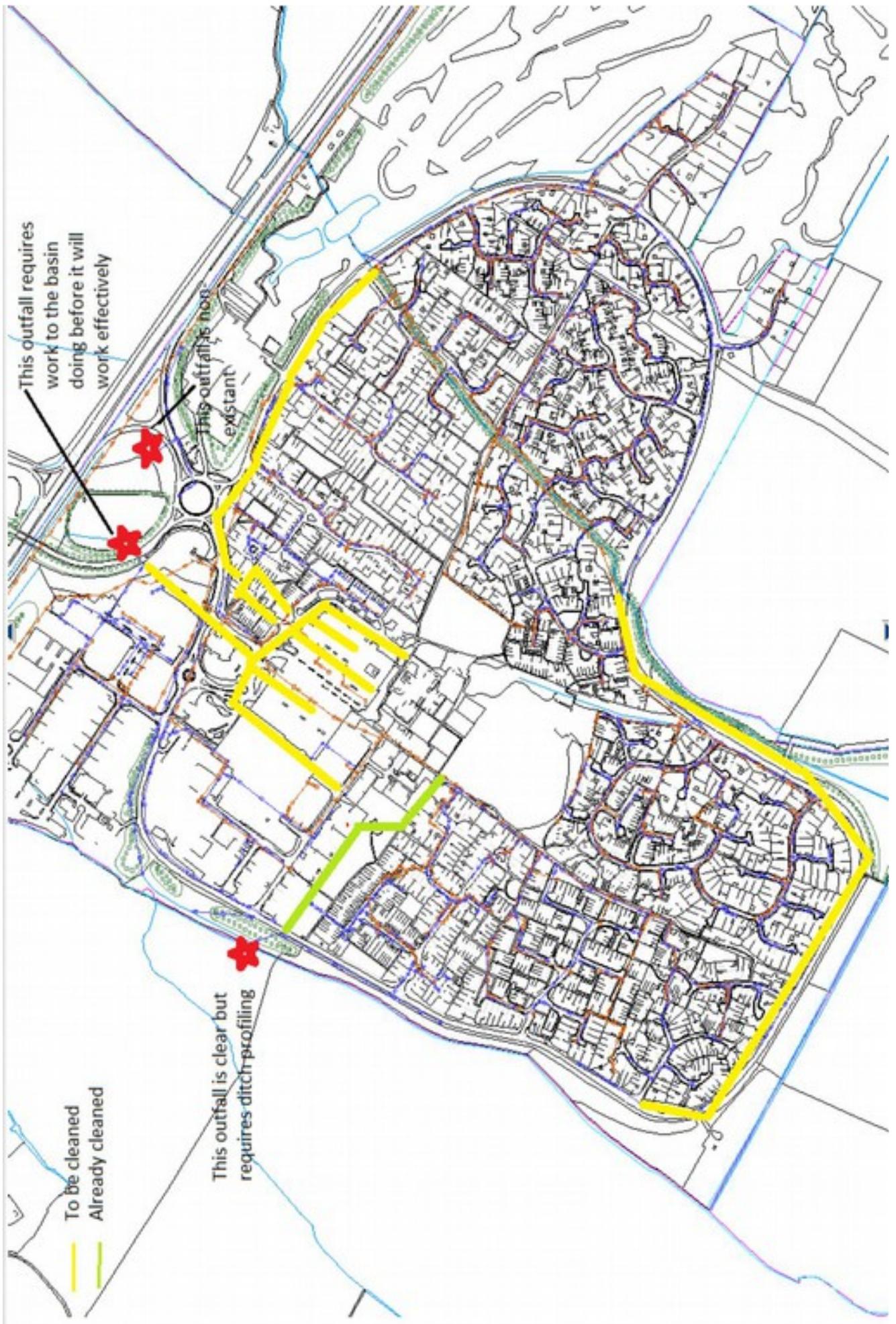
There is a surface water drain running around the inside of the slip road from the A14. It starts close to the start of the slip road, turns north under the edge of the traffic island and terminates at a point between the traffic island and the Infiltration Basin. There is a link into the infiltration basin via an outfall at the east side of the basin. *Note the drainage company's engineer didn't managed to find the outfall for this drain in the infiltration pond and neither have I.*

**Other Drains**

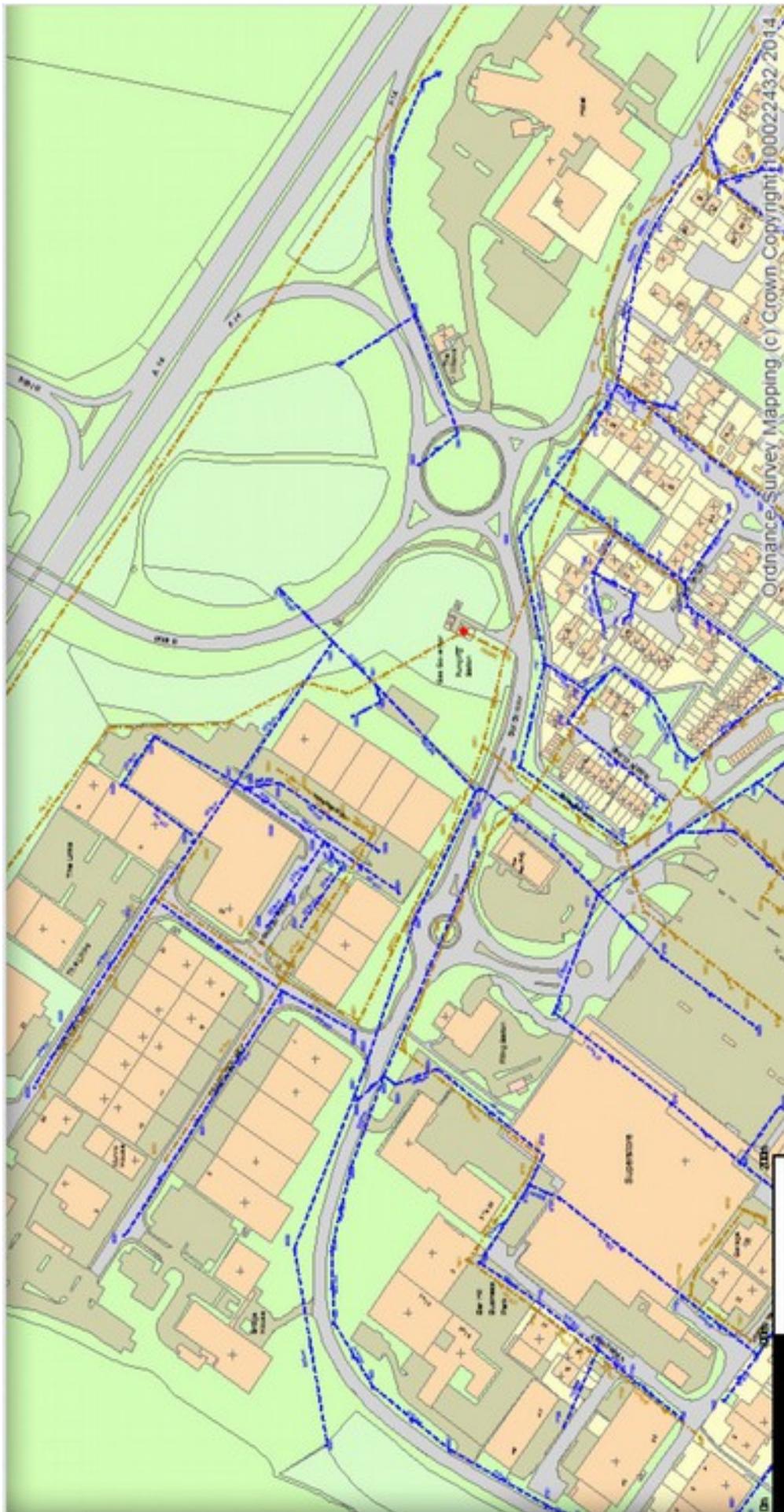
There is a drain running around the inside of Saxon Way starting just south of Viking Way and terminating by the Fox pub. This drain looks like a road surface water drain and a drain for the units beside Saxon Way. This drain has a has a single connection to the Saxon Way ditch about halfway along the ditch. *Note AWA engineer hasn't managed to find the outfall for this drain along the Saxon Way ditch an d neither have I.*

There is also a drain running around the outside of Saxon Way. It appears to start just north of Pheasant Rise and to terminate where the spine path drain enters the Saxon way ditch. This looks like a road surface water drain.

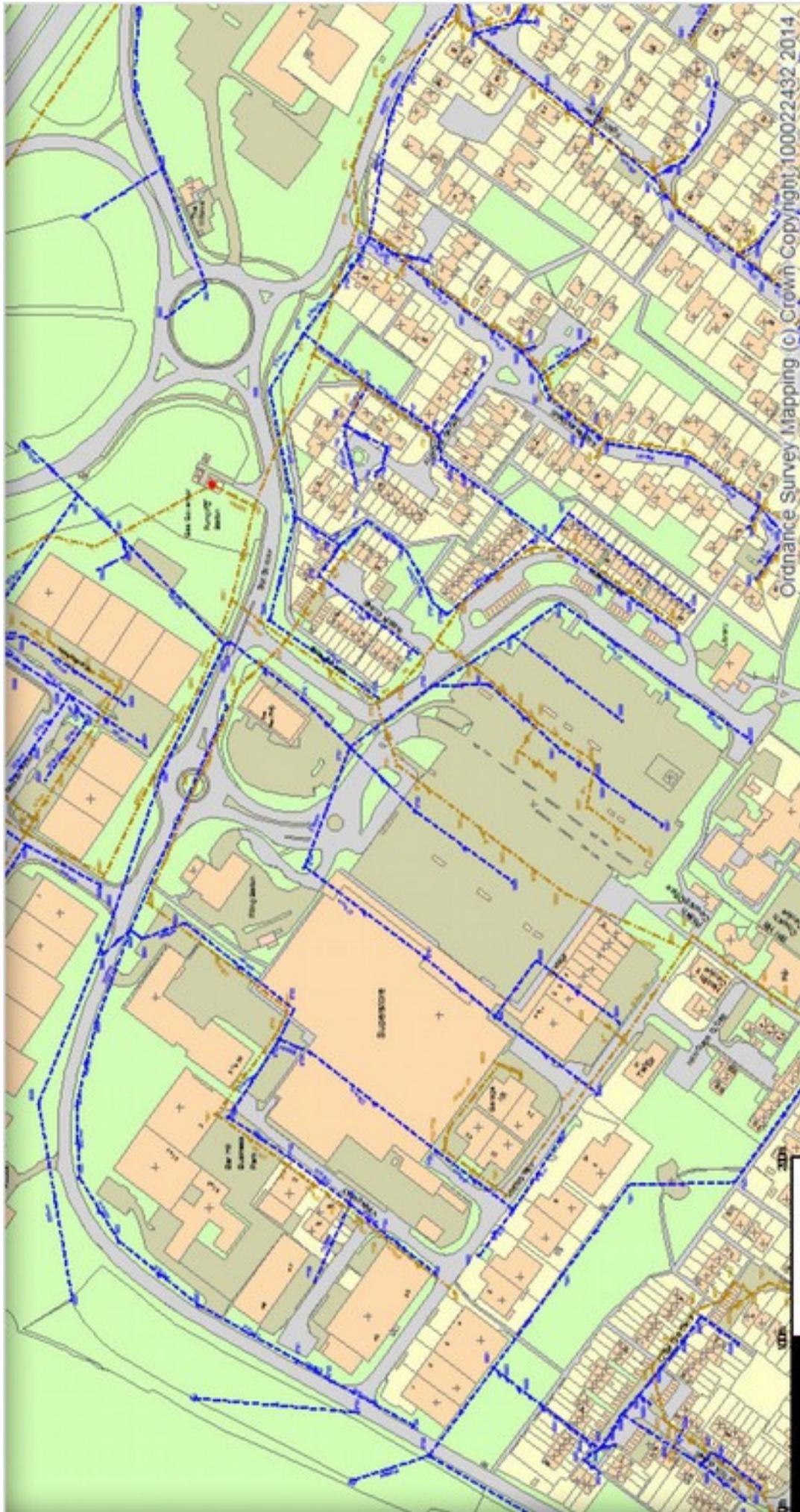
### Full Map of Bar Hill Surface Water Drainage System



***Detail map of Surface Water Drainage of industrial area incl tesco***



**Detail map of Surface Water Drainage incl tesco carpark**



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### Contour Map of Bar Hill

