



The Specialist Drainage Company
www.adceastanglia.co.uk



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Brian Heffernan
Senior Flood Risk Officer
Box No: SH1315
Shire Hall
Castle Hill
Cambridge
CB3 0AP

May 2015

Dear Sir,

Ref: Bar Hill Balancing Pond Works.

Following our recent site visits and communications, I have the pleasure of detailing our works proposals and site plans.

Site One - Balancing Pond.

The balancing pond is nothing more than a large soak away with no natural or man made outfall. Originally it is believed that it was constructed to take the water from the A14. Without the full area drawings/plans from AWA, we are having to submit to Council "hearsay", knowledge and not factual.

We believe the balancing pond is taking water from Viking Way Industrial Estate, Tesco and the surrounding areas. We intend to enter the balancing pond at a point agreed with the Environmental Ecology office with a 13 ton wide tracked machine. The outfall pipe has a bank of silt that has built up over the years restricting the flow of water into the balancing pond by 70%.

We will remove this silt by digging down approximately 600mm and moving it to the outer banks of the pond. This involves the moving of approximately 600m³ of wet silt/rotting vegetation. We intend to use this to improve and enhance the balance of the pond, providing nesting and burrowing areas for birds and mammals.

By moving this quantity of silt, we will enable the balancing pond to work again and hold excess water at times of heavy rainfall (1 in 10). The area that we will clean, does not have any mature trees or protected plant species and has been agreed with Rob Mungovon.

Site Two - Saxon Way Ditch.

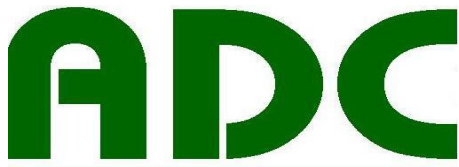
This ditch is approximately 150 meters in length and is highly overgrown with vegetation and choked with rubbish.

The purpose of the ditch is to allow the flow of water between two piped systems with a piped headwall at the upper stream end and a large grilled sump and headwall at the outfall end.

This, we are lead to believe then flows into Site 1, the balancing pond.

The works here at this site involves a lot of hand work along with the machine to remove the brambles, saplings and rubbish. All works will be completed from the field side and a track will be made for access. No mature trees will be cut down, although some pruning may be necessary for the works to be completed. Wherever possible all silt and wood will be left neatly, constructing woodland animals housing (Rabbits, hedgehogs etc). Any non biodegradable rubbish removed from the ditch or found in the immediate area will be removed and disposed of at an approved, licensed waste facility.

To enable this ditch to work, the weed screen at the Outfall end requires to be kept free from rubbish and requires to be inspected on a regular basis.



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Site 3 – Holly Trees.

This site has had a certain amount of maintenance completed within the last year, cutting down small bushes and saplings.

There are several areas that bank slip has arisen with the soil partially blocking the watercourse. Some of the slips are near to properties and there is a worry from some residents that their properties may be affected if nothing is done to stop it. There is no hard and fast guaranteed way to stop this happening without digging out and construction a solid concrete box channels or completely culverting the ditch.

What we are proposing and we have agreement from Rob Mungovon, is to use treated wooden stakes to be pushed into the bottom of the ditch in the area of the slips and also into the bank at an angle to act as a ground anchor. We will the replace the soil and re seed the banks. These repair works will not affect the natural look that is currently there and all effort will be made to protect all areas of the ditch where water voles are known to inhabit.



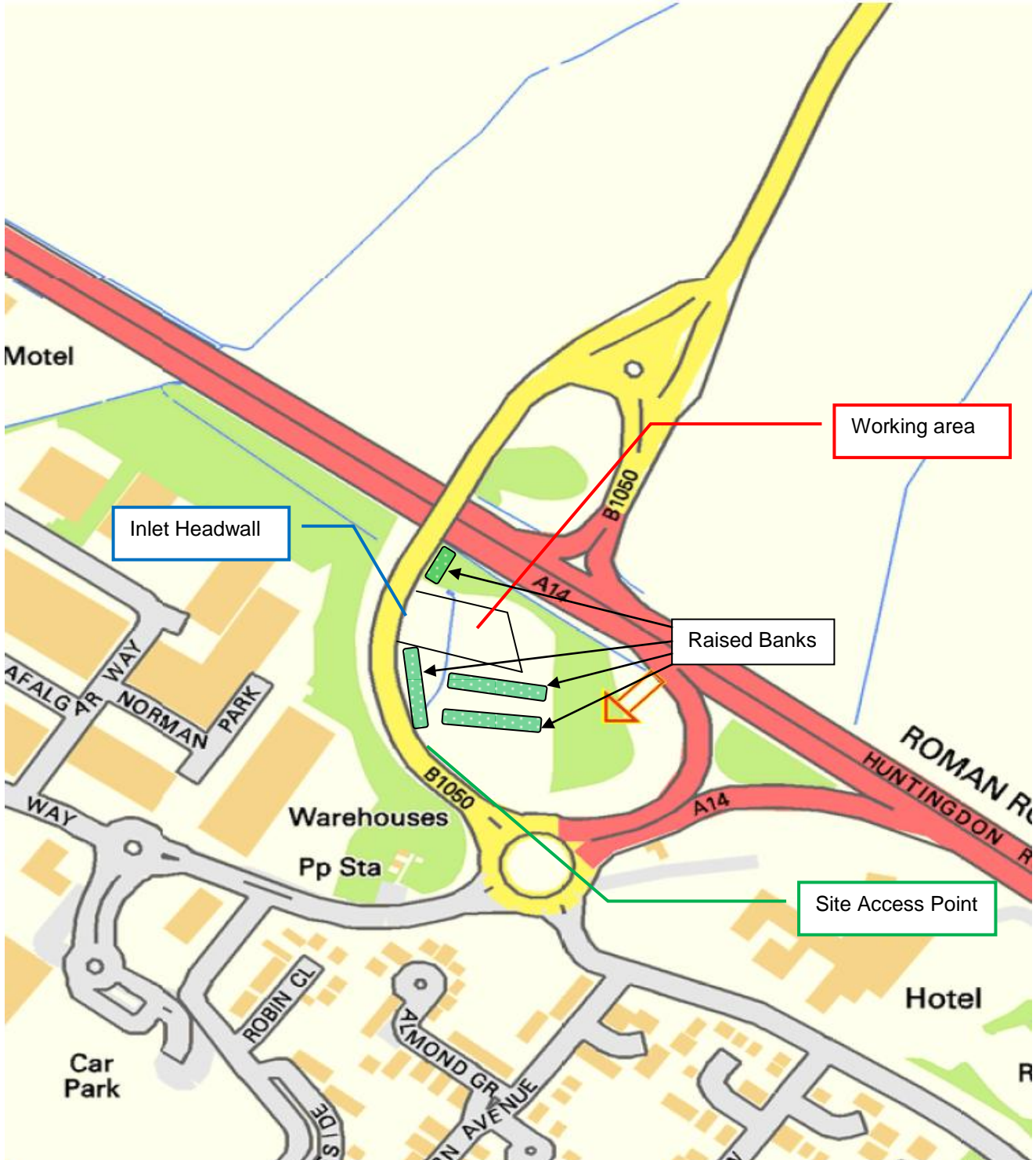
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Site 1





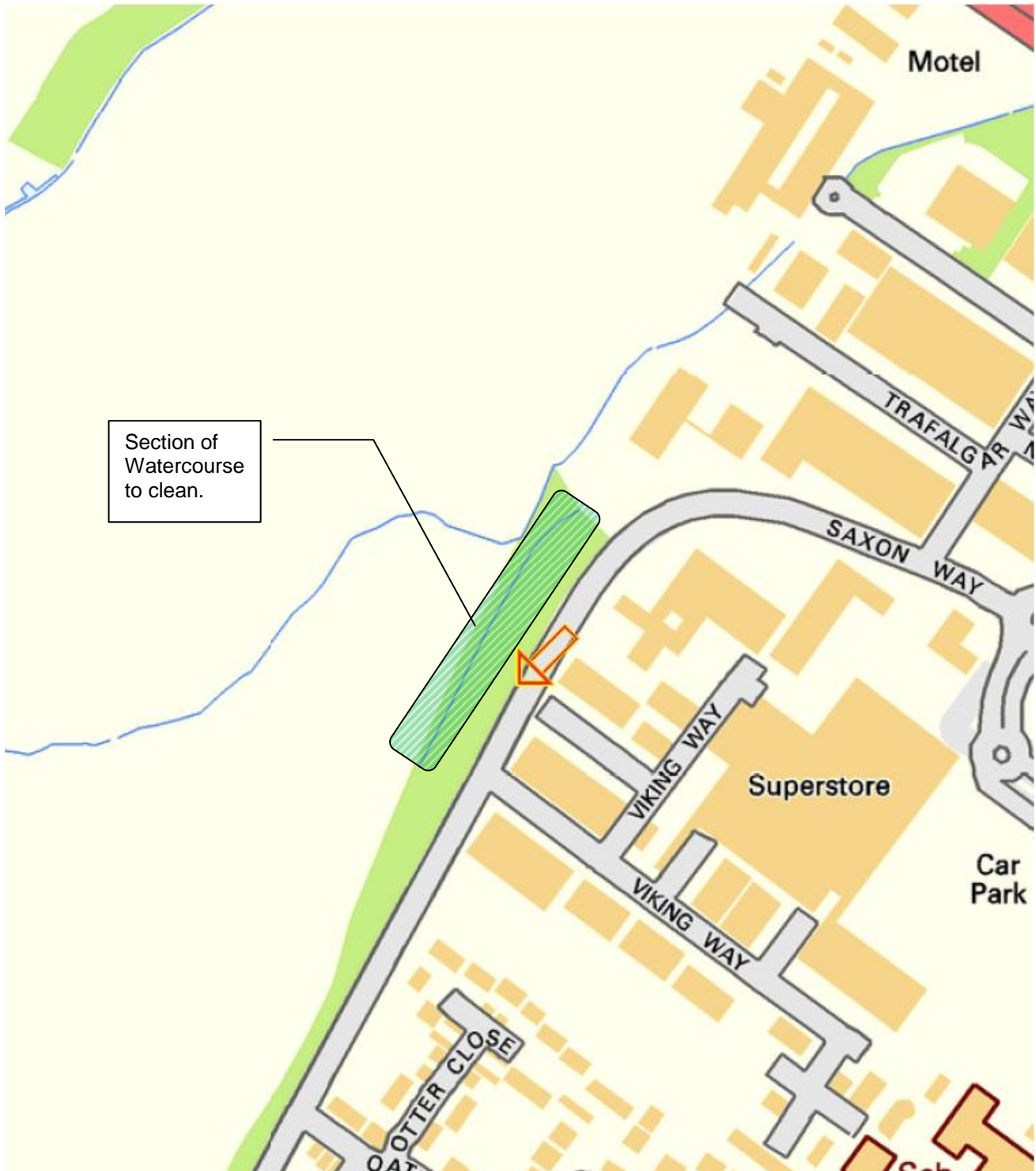
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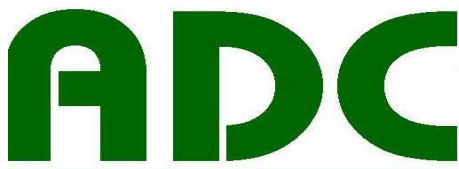


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Site 2





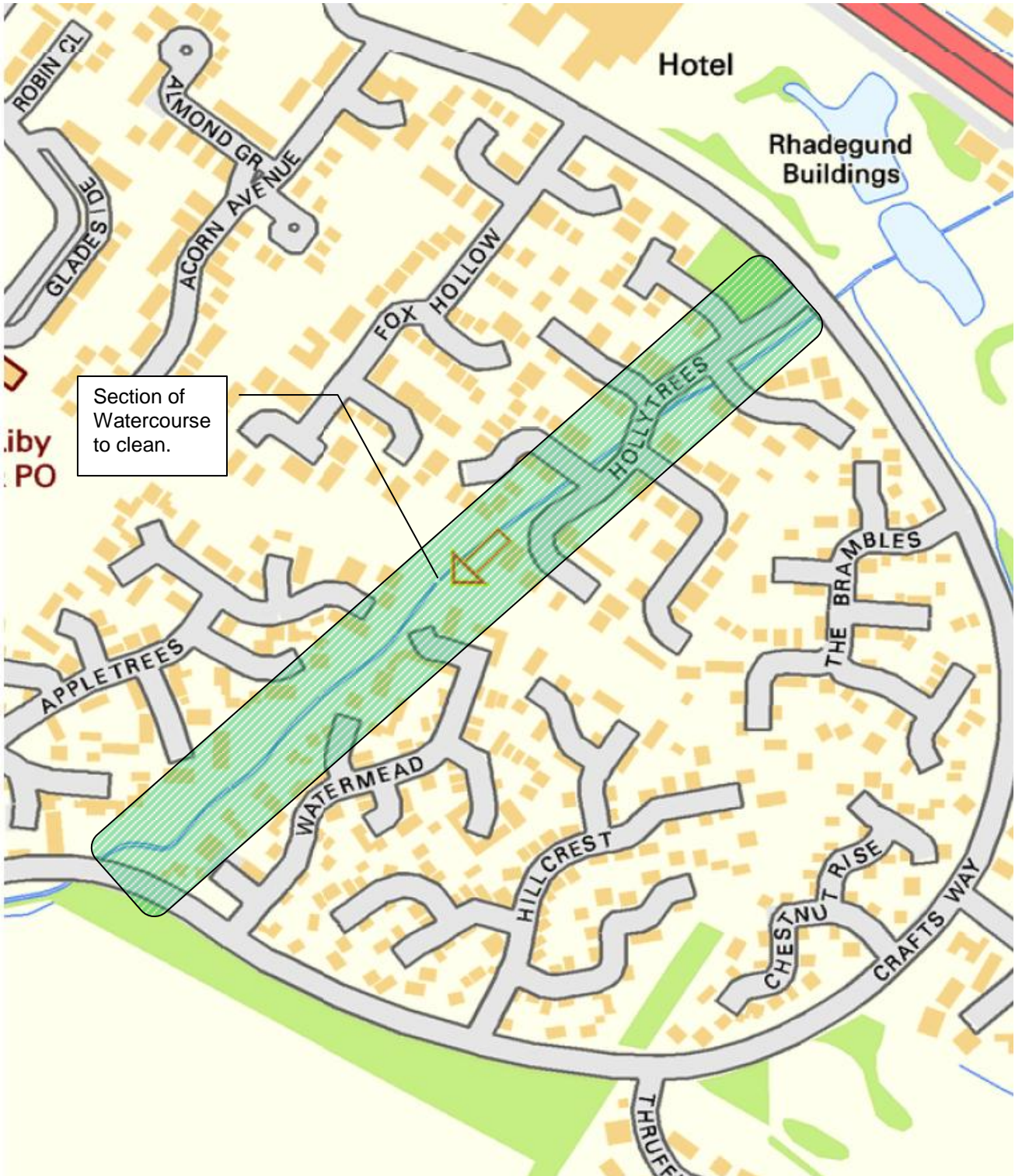
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Site 3



Section of
Watercourse
to clean.

