

Job Title:	Proposed Industrial Development JJ Churchill, Station Road, Market Bosworth, Leicestershire		
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Document Title:	Technical Note – Temporary Drainage		
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Existing Site

The proposed development is located to the rear of the existing JJ Churchill head office and manufacturing workshops, which in turn is accessed off Station Road, Market Bosworth, Nuneaton, CV13 0PF. The site area is roughly 0.42 ha, the current use of land is generally dense vegetation and trees with an existing access track running roughly through the centre with retaining walls either side. There is an existing watercourse/ditch running through the Southern end of the site which runs in a Westerly direction and into a 525mm dia pipe and off site.

Enabling works.

The proposed site will be cleared of vegetation, and bulk earthworks will get levels down to formation levels. This will naturally result in the developable area being lower than the surrounding areas which in itself will act as a basin catching most surface water from the site. The attenuation basin will also be excavated which will form a holding area for surface water. Temporary trenches/swales will be constructed as required to direct all surface water to the attenuation basin. The proposed outfall structure for the site will also be constructed and fitted with the permanent flow control which will limit the flows off site to the agreed rate of 5 l/s. As the attenuation basin will be taken down to its formation level there will be at least 150mm sump between the base of the attenuation basin and the outgoing pipework, this will provide a catchpit to capture any silts or debris preventing entry into the existing watercourse/ditch. The silt and debris levels are to be inspected regularly and cleaned out as and when required.

As the proposed attenuation basin is to be constructed to hold the temporary surface water drainage and the permanent flow control is also installed there will be sufficient capacity to hold any storm duration occurring and will ensure there is no risk to the surrounding land of being inundated with overland flows from the proposed site or the local .

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