

Your Ref : 23/00303/FUL

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Surface Water Management During Construction

The site that the current planned construction works has not been previously identified as an area which has been subjected to flooding so it is deemed unlikely that the construction work will increase or pose a significant flood risk to the area. The construction process will not introduce any non-permeable surfaces during the construction until the building is clad. Once the cladding has been installed the drainage will be connected to the proposed storm water system. The FRA which was submitted with the planning application details the likelihood of flooding in the area.

The surface water after construction will be collected into a storm water system with a detention basin and discharged to the existing watercourse drainage ditch as shown on drawing CO23_0129_02_201_P1 Proposed Drainage Layout, the assessment has shown no additional flood risk post construction.

The existing watercourse will be maintained throughout the construction period and will not be terminated or interrupted for long periods. Temporary structures will be used to provide access and egress across the existing ditch, these will not impede the flow of surface water.

The surface water and silt run off will be controlled by the sequencing of the ground works, the time between open cut and installation of hardcore subgrade will be minimised and conducted in sections throughout the groundworks phase of the project.

During the open cut section of groundworks, and concrete pours, works will be minimised during any inclement weather to reduce the likelihood of silt run off into the existing watercourse, careful planning and monitoring of the weather forecast will allow planning of the work in stages. Sufficient time has been allowed within the project plan to schedule these activities during periods of 'good' weather.

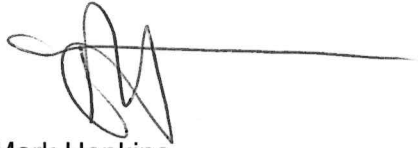
Spill and drip kits will be available for use during the entirety of the project, this will minimise any potential spills into the existing watercourse.

The majority of the existing ditch is bounded by large areas of vegetation, this will remain undisturbed for the duration of the project, only the immediate construction area will be removed.

The contractor will be importing clean granular fill and creating suitable haul roads in areas of heavy plant trafficking to prevent the deterioration of the ground and the pooling of surface water.

In the unlikely event that significant flooding occurs the contractor may be required to construct bunds or excavate trenches downstream to catch flood water, preventing it from reaching the watercourse. This wastewater will then be pumped out and discarded from site appropriately.

The contractor must comply with BS6031: 2009 Code of Practice for Earthworks, regarding the general control of site drainage.

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Mark Hopkins
Manager Facility Engineering
for HORIBA MIRA Ltd.