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APPENDICES

1.00 Introduction

1.01 The consented agricultural development under planning reference 17/02081 that this application refers to, consists of the erection of polytunnels for the benefit of fruit farming at Jocks & Morrello, Goose Farm, Broad Oak, Canterbury, Kent. This can be seen in the location plan in Appendix A of this document.

1.02 Surface water at this new development shall be disposed of by means of sustainable urban drainage systems (SUDS), with these SUDS installed prior to the covering of the consented polytunnels.

1.03 The surface water generated from the site shall be directed into shallow swales, which will convey the water into a new bunded swale at the North of the site. During high intensity storms, up to and including the 1 in 100 year events + Climate Change, the surface water will be retained on site and discharged to the existing ditch network at the agreed 1 in 1 year green field runoff rate of 42.34 l/s, as specified in the Drainage Strategy and SUDS Management & Maintenance Plan, which is an approved document under the planning permission.

1.04 All construction plans and sections referring to the above consented scheme are contained within the approved Drainage Strategy which will be annexed to this document.

1.05 Details and sections of the Ordinary Watercourse, this scheme is designed to discharge to, are contained in Appendix B.

2.00 Environmental Considerations

2.01 An Ecological Appraisal was undertaken at Jocks & Morrello, Goose Farm dated 7th September 2017 which was then submitted to and approved by the Planning Authority under this planning permission.

2.02 The site is located within and in the vicinity of statutory designated sites. These are detailed in the Ecological Appraisal, supplied as an annexed document to this report.

2.03 The site is not contained within of near any Non-Statutory Site Designations. For example: Non-Statutory Nature Reserves, Local Wildlife Sites with or without Specific Planning Policy or Ancient Woodland.

2.04 There was potential for the presence of dormice identified at the site that are subject to protection under The Wildlife and Countryside Act 1981, there were no other specific species thought to be affected by the development works. Full details of the assessment can be seen in the ecology report.

2.05 Considering the information provided within this section, there are no specific areas of ecological concern.

3.00 Methodology

3.01 All of the connections to the watercourse shall be carried out with due care and attention to health, safety and welfare of the people carrying out the task and any other site staff that may be affected by the work.

3.02 During the works, due care, attention and consideration shall be made for any ecological and environmental issues identified within this document, any specific requirements laid out by the client and written in any site specific or generic contractors risk assessments.

3.03 The installation of pipework for the surface water discharge will be carried out primarily using a mechanical excavator, operated by a suitably certificated and competent driver.

3.04 To assist the excavation, a Banksman shall be provided to guide the operator safely and look for any environmental or ecological issue that may prevent the works from proceeding using this method.

3.05 There shall be a selection of hand tools made available for hand excavation in potentially sensitive areas should the need arise, following a further successful risk assessment of the condition.

3.06 Refuelling of the aforementioned mechanical excavator shall only be carried out in approved compound areas where a designated fuel storage area has been designated by the contractor. This will prevent potential contamination of the works areas through accidental spillage of fuel.

3.07 Fuel/oil spill kits shall be available on site at all times to ensure any incidents can be attended to and dealt with immediately.

3.08 At no time will the mechanical excavator be allowed to operate within the identified ditch/watercourse.

3.09 Following the excavation process, the pipes shall be laid on the specified bedding material and aligned to discharge to the bed of the ditch/watercourse no greater than 50mm in height.

3.10 At the point of discharge of any pipes into the ditch/watercourse, there shall be a concrete slab embedded into the base of the channel to prevent any potential scour from the surface water.

3.11 Brick headwalls shall be constructed for each discharge pipe, ensuring the pipe is cut back flush with the face of the headwall, preventing any debris being held back during potential flow periods.

3.12 Any works carried out from within the ditch/watercourse shall be undertaken with hand tools and on an appropriate sheet to prevent any cementitious or other industrial products being spilled within the channel.

3.13 Any temporary situations such as protective sheeting, boards and such a like for the purposes of the surface water connection to the ditch/watercourse shall be removed at the end of each day.

3.14 Upon completion of the installation/connection works, the works area shall be checked again to ensure all waste material has been collected and disposed correctly of at the designated site facility.

4.00 Discharge Rates

4.01 Discharge Rates into the watercourse have been limited and set at a rate no greater than the 1 in 1 year green field runoff rate, 42.36 l/s. This will be controlled by the 225mm diameter pipe set at a gradient of 1:150, which will limit the flow to this maximum rate, in accordance with the calculations in the approved drainage strategy document.

Appendix A – Site Location Plan

Appendix B – Discharge Details to Existing Ditch