



Existing foul treatment facility for the site  
Current discharge to sewer and arrangement to be confirmed prior to start of works  
Existing sewer for services - subject to approval from Yorkshire Water and detailed design  
Access under S185 and abandonment under S200 may be required

Surface Water Attenuation Basin  
Max water depth 1m, 300min  
Freeboard above top water level

Flow Control Device limiting discharge rate to 36.8 l/s (0.6bar)

Limited discharge connection to existing pond via conveyance pipe

- Notes:**
- All dimensions & levels to be checked by the contractor prior to commencement of work, any discrepancy shall be reported immediately to AVE Consulting Ltd.
  - All work shall be carried out in accordance with Local Authority, statutory authority, health & safety requirements and regulations.
  - The drawings shall be read in accordance with all other contract documents relevant at that time of issue and during the period of the contract.
  - The contractor must ensure the overall stability of the works is adequate at all stages of the construction.
  - No allowance has been made for cutbacks, holes, notches, etc. for services. All of these are to be agreed prior to the start of the works.
  - RAMP locations are illustrative in the absence of a detailed roof drainage design.
  - Soil stack locations are indicative only and subject to detailed design.
  - Surface water will be collected from roof areas and conveyed to the attenuation basin.
  - Surface water from vehicular areas will be collected and passed through a Class 1 Ingress separator to remove hydrocarbon contamination prior to being conveyed to the attenuation basin.
  - The attenuation basin has been sized to balance the flow of collected surface water from the proposed impermeable areas of the development with the limited discharge from the basin to the existing ditch on the eastern side of the site.
  - The attenuation basin is proposed to discharge at a maximum rate of 36.8 l/s per second for all storm events up to and including 100 year return period events with an additional allowance of 40% for climate change.
  - The proposed discharge rate and associated attenuation volume are subject to agreement with the local Flood Authority.
  - Domestic foul discharges from the site are proposed to be collected and pumped to the existing public sewer network - subject to capacity and approval by Yorkshire Water.
  - The existing Yorkshire Water sewers shown entering site from the north will need to be diverted to allow development to go ahead. Subject to negotiation with Yorkshire Water.

1	Proposed car park updated	SAB	SAB	22.02.2023
0	Initial issue	SAB	SAB	31.01.2023
Rev	Details	Dr	Dr	Dr
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Client: ACUMEN				
Project: PC SPECIALIST GRANGE MOOR				
Title: PROPOSED DRAINAGE STRATEGY				
Drawn	Checked	Date	Scale	Project/Issue
SAB	SAB	31.01.2023	1:500	AD
Drawing Number: P3849-DR-01				Rev: 1