

- Notes
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Drawings to be read in conjunction with:

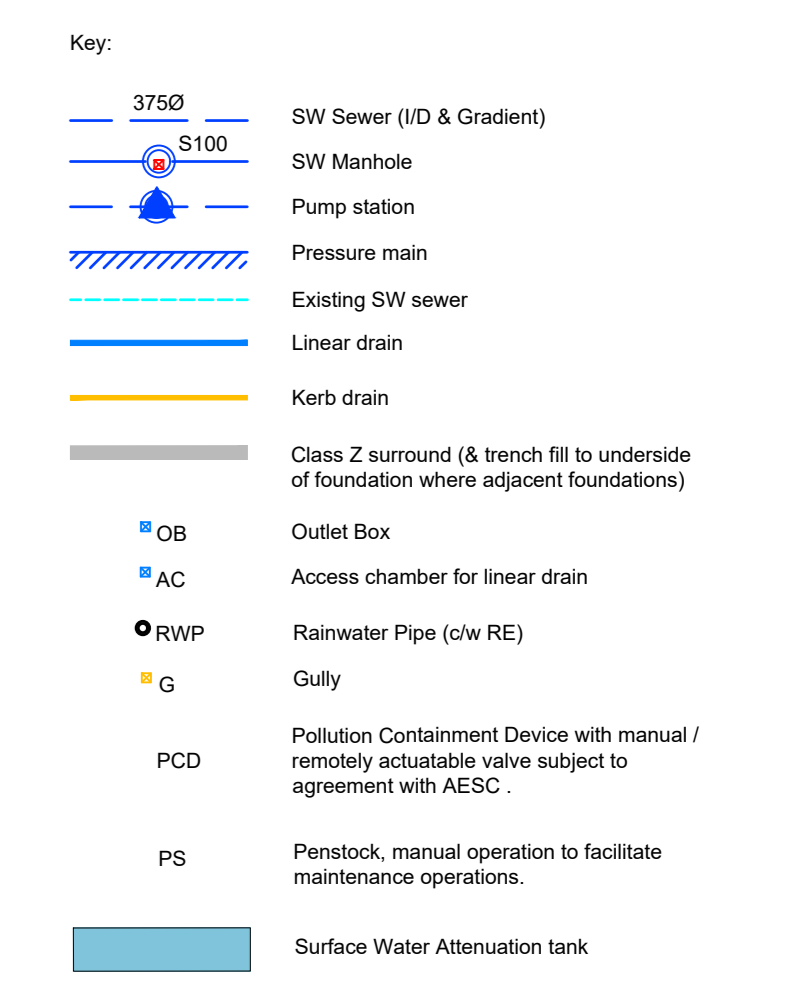
- 232 - Proposed Surface Water Drainage Layout Sheet 2
- 233 - Proposed Surface Water Drainage Layout Sheet 3
- 234 - Proposed Foul Water Drainage Layout Sheet 1
- 235 - Proposed Foul Water Drainage Layout Sheet 2
- 236 - Proposed Foul Water Drainage Layout Sheet 3
- 237 - Surface Water Drainage Excavation Plan

Surface Water Drainage Requirements

1. Outfall rates limited during all events up to 1:100+45loc event as per EN11 agreed discharge rates.
2. Internal manholes to be double sealed with internal plates.
3. Pump Stations:
  - 3.1. Duty and standby pump arrangements in pump stations.
  - 3.2. Variable pump rates where required (i.e. duty, standby and surge).
  - 3.3. ATEX-rated chambers, subject to COMAH requirements.
  - 3.4. Pumps to be linked to BMS/Gatehouse for remote shut down in emergencies.
  - 3.5. Back up power supply to be provided for pumpstations/provision for standby generators to be brought to site in event of power outage.
4. Pollution Containment Device locations are subject to detail design / operations review.
5. Fire Fighting Water:
  - 5.1. The volume of firefighting water required to be attenuated is subject to agreement with the local fire authority. No allowance is made for a dedicated open fire water tank.

- SoDS Features
- SoDS Feature Schedule - Vortex separator (Stormcleaner by FPMCCANN)
1. SoDS feature 1 (S221) - 1 No. vortex separator 410ls treatment flow 1150 max. flow (4.0m<sup>3</sup> chamber or equal approved).
  2. SoDS feature 2 (S230) - 1 No. vortex separator 253ls treatment flow 737ls max flow (3.0m<sup>3</sup> chamber or equal approved).
  3. SoDS feature 3 (S433) - 1 No. vortex separator 307ls treatment flow 1620ls max flow (3.0m<sup>3</sup> chamber with 520mm bypass pipe).
  4. SoDS feature 4 (S524) - 1 No. vortex separator 1311ls treatment flow 1960ls max. flow (2.1m<sup>3</sup> chamber or equal approved).
- Spel SoDS features are as indicated within the drawing.

- Key:
- 3750 SW Sewer (10.0 Gradient)
  - S100 SW Manhole
  - Pump station
  - Pressure main
  - Existing SW sewer
  - Linear drain
  - Kerb drain
  - Class Z surround (8 trench fill to underside of foundation where adjacent foundations)
  - OB Outlet Box
  - AC Access chamber for linear drain
  - RWP Rainwater Pipe (low RE)
  - G Gully
  - PCD Pollution Containment Device with manual / remotely actuable valve subject to agreement with AESC.
  - PS Peristock, manual operation to facilitate maintenance operations.
  - Surface Water Attenuation tank



Key Plan  
Scale: 1:7500

P02	Planning Submission	JMA	MM	20/02/24
Rev	Description	By	Ckd	Date

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Client

**AESC Wates**

Project AESC Giga Factories  
Plot 2 Planning

Title Proposed Site Surface Water  
Drainage Layout Sheet 1

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NK020439P	@ A0	21/09/23
Task Team Manager	Information Author	Task Information Manager
TH	LMA	MM
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Plot 2 Proposed Site Surface Water Drainage Layout Sheet 1  
Scale: 1:500

