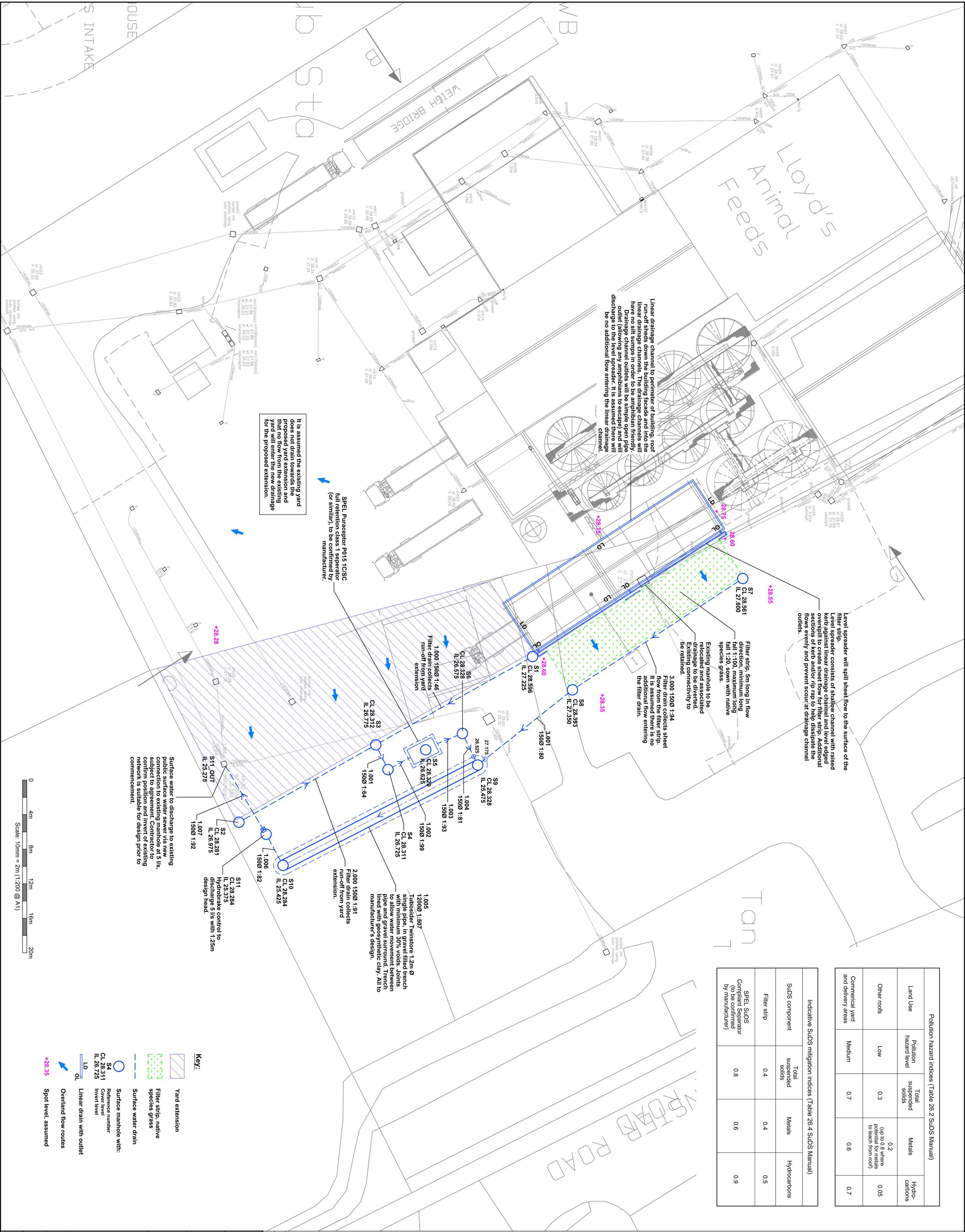




Pollution hazard indices (Table 26.2 SUDS Manual)				
Land Use	Pollution hazard level	Total suspended solids	Metals	Hydrocarbons
Other roofs	Low	0.3	0.2 (up to 0.8 where potential for metals to leach from roof)	0.05
Commercial yard and delivery areas	Medium	0.7	0.6	0.7

Indicative SUDS mitigation indices (Table 26.4 SUDS Manual)			
SUDS component	Total suspended solids	Metals	Hydrocarbons
Filter strip	0.4	0.4	0.5
SPEL SUDS Component Separator (to be confirmed by manufacturer)	0.8	0.6	0.9

- Notes:**
- Do not scale from this drawing.
 - All dimensions are in millimeters unless otherwise stated.
 - This drawing to be read in conjunction with all other relevant drawings and documents.
 - All drainage to be constructed to Civil Engineering Specification for Water Industry 7th Edition, current British standards and building regulations and other relevant standards.
 - Exact locations of rain water downpipes and other internal drainage down pipes to be confirmed by architect. Rain water pipe connections to have rodding access, sump and grated cover.
 - Contractor to confirm locations of existing services prior to commencement on site and to arrange for any necessary diversions, lowering or protection works as required.
 - All specialist drainage components such as attenuation tanks, flow control and pumping stations to be designed and installed as per manufacturers requirements.
 - Cover levels to be confirmed by landscape architect. Cover levels and invert levels are in meters unless otherwise stated. If cover levels change from assumed then drainage design should be re-assessed, especially in regards to extreme events.
 - Linear drainage channel to perimeter of building to be confirmed by architect, design as per manufacturer.
 - Design is for planning purposes only and not for construction. Design should be confirmed prior to construction to ensure all available information is considered and any assumed information should be verified.
 - Contractor to confirm depth of existing drainage is suitable for the design prior to commencement.

Drainage Strategy

- The proposed building sheds flow down the facade of the building and into a linear drainage channel.
- The linear drainage channel discharges via simple open pipes with no sumps to ensure amphibians can escape.
- The linear drainage channel discharges onto a level surface and is designed to allow for flow for filtration over the filter strip. The sheet flow is collected by a filter drain.
- The linear drainage channel discharges onto a level surface and is designed to allow for flow for filtration over the filter strip. The sheet flow is collected by a filter drain.
- The yard extension sheds towards a filter drain. The discharge is treated by a separator.
- All discharges are attenuated in a Tubosider Twinstore system where the gravel surround is utilised for additional storage.
- Discharge from the attenuation is controlled by hydrobrake to 5 l/s for connection to the existing on-site public surface water sewer, subject to agreement.

PO1

13.10.21

Initial Issue

MG

AW

Rev

Date

Detail

Dwn

Chd

Client: Lloyds Animal Feeds

Project: Lloyds Animal Feeds

Drawing Title: Proposed Surface Drainage Layout

Suite 9-11, 1st Floor, Old Bank Buildings, Bealeton, Shrewsbury, SY1 1HU

Environmental Thinking Information

Drawn by: MG

Checked by: AW

Date: Oct 2021

Scale: 1:200 @ A1

Status: Preliminary

Drawing No: 74004.02 100

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