

Wastewater design submission checklist



Please make sure that all the following sections are completed. Once complete, send the checklist and your design pack to waterdesign@muagroup.co.uk for approval.

Section 1

To ensure compliance with the standards and regulations, all submitted designs must adhere to the principles outlined in the mua Water Design and Construction Guidance for foul and surface water sewers, the building regulations (drainage and waste disposal) and other relevant UK wastewater standard documents that meet the requirements of the Water Supply (Water Quality) Regulations.

Reference numbers	
mua reference number	MUA
Client reference number	
Applicant's details	
Contact name	
Company name	
Company address	
Email address	
Contact number	
Developer's details (site contact)	
Contact name	
Company name	
Company address	
Email address	
Contact number	
Development details	
Project name	
Project address	
Grid reference of discharge point(s) to existing incumbent manhole(s)	

Construction Design Management Regulations 2015 (CDM 2015)	
CDM client name	
CDM client email address	
CDM client contact number	
Please confirm if the developer/client is aware of their CDM responsibilities (Yes/no)	

Section 2: General – All networks

Documents required for design approvals/validation	Yes, no, or n/a
Drainage strategy (S104 design) and engineering layout plan, showing: - Discharge points - Flow control chambers - Backdrop manholes - Easement and service strips	
Number of residential units or commercial units	
Predicted run-off rates and attenuation quick estimates	
Flood risk assessment	
Ground investigation report to show whether infiltration is viable	
Section 38 drawing	
Confirm if the system is proposed for adoption as part of the S104	
Longitudinal Sections	
Manhole and inspection chambers	

Section 3: General – Foul networks

	Yes, no or n/a
Confirm whether foul sewer is gravity fed or requires pumping station	
Confirm volume of wastewater generated, including: • Total number of units/plots discharging into the network • Total volume generated in m³/d • Peak wastewater flow rate in l/s • Velocity in m/s	
Foul water hydraulic calculations eg micro-drainage, etc	
Where applicable, foul water pumping station: • Pumping station schematic • Storage requirements • Full set of manufacturing details	

Section 4: General – Surface water networks

	Yes, no or n/a
SuDS type and design characteristics to be adopted	
Infiltration	
Attenuation basin/pond	
Cellular storage tanks	
Bioretention	
SuDS information	
Drainage calculations and methodology	
Who will adopt the SuDS (including swales, if applicable)	
Groundwater levels beneath SuDS feature	
LLFA	
Exceedance route	
Confirmation of LLFA acceptance	
Confirmation of acceptance if discharging into a watercourse	

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Details and drawings of SuDS features	
SuDS hydraulic calculations	
Flood risk assessment	
Geotechnical soil assessment	
Headwall drawings (if applicable)	
Attenuation details, including levels and basin materials	

SLP/ICP competent designer	Date	Signature

For internal use only

Accepted by mua	Date	Signature