



Notes

1. Do not scale this drawing. All dimensions must be checked/verified on site. If in doubt ask.

2. This drawing is to be read in conjunction with all relevant drawings, engineers and specialist drawings and specifications.

3. All dimensions in millimetres unless noted otherwise. All levels in metres unless noted otherwise.

4. Any discrepancies noted on site are to be reported to the engineer immediately.

Existing foul water sewer

Foul water drop

Foul water manhole

Foul water drain

Proposed foul water drain

Proposed foul water drop

Proposed foul water sewer

Design Notes

1. Connection to public foul water sewer subject to Section 106 approval by Thames Water.

2. Based on the proposed school occupancy of 1500 pupils plus approx. 150 staff the expected average daily foul flow is 149,040 litres or 149m³ per day (5.3l/s) over an average of 7 operational hours per day).

3. Internal foul pop up locations as per DBS drawings F50949-D55-01-00-DR-N-5000-5001 rev 003

IN ABEYANCE:

Application for land drainage consent in progress. Construction of watercourse crossing not to be undertaken prior to obtaining approval.

Route of rising main in abeyance. Coordination with pump manufacturer and abeyance ongoing.

Section 106 application in progress - to be completed once route of rising main is agreed and pump details provided by manufacturer.

CURRENT

REV

DATE

DESCRIPTION

C04

18/07/23

POP UP ADDED AS CLOURED

C03

12/07/23

INTERNAL POP UPS DELETED

C02

06/12/22

AMENDED TO SUIT REVISED SITE LAYOUT

C01

02/11/22

CONSTRUCTION ISSUE

C06

12/09/22

DRAFT CONSTRUCTION ISSUE

C05

12/09/22

LAYOUT AMENDED AS CLOURED TO SUIT REVISED SITE

C04

28/01/22

CONTRACTORS PROPOSALS

C03

13/12/21

SITE BOUNDARY REVISED

C02

09/12/21

PLANNING SUBMISSION

C01

14/10/21

DRAFT CONTRACT PROPOSALS SUBMISSION

CLIENT

Department for Education

CONSULTANT

BOWMER + KIRKLAND

CONSULTING

PROJECT

RIVER ACADEMY, READING

DRAWING PURPOSE

FOUL WATER DRAINAGE LAYOUT

DRAWING TITLE

FOUL WATER DRAINAGE LAYOUT

SHEET 1

- SHEET 1

CONSTRUCTION

DRAWING PURPOSE

PROJECT

RIVER ACADEMY, READING

CONSULTANT

BOWMER + KIRKLAND

CONSULTING

CLIENT

Department for Education

CONTRACT

REVISION

C04

PROJECT - ORIGINATOR - ZONE - LEVEL - TYPE - ROLE - NUMBER

FS0949-HEX-XX-XX-DR-C-9202

DRAWN BY

AW

DATE

23.09.22

SCALE

1:250

MEDIA

A1

The diagram is a detailed site plan for a foul water drainage system. It shows a large building complex with various internal and external drainage lines. Key features include:

- Manholes:** Labeled F1 through F19, with associated levels (e.g., F1: IL 37.80, CL 38.80; F19: IL 37.450, CL 38.70).
- Drains:** Labeled D1 through D19, with associated levels (e.g., D1: IL 37.80, CL 38.80; D19: IL 37.450, CL 38.70).
- Drainage Lines:** Shown in blue (existing) and red (proposed). Some lines are labeled with flow rates (e.g., 1500 l/s, 1500 l/s).
- Levels:** Indicated for both internal levels (IL) and cover levels (CL) for various points.
- Other Features:** A north arrow in the top right, a scale bar (0 to 10m) in the bottom right, and a legend in the bottom left.

Coordination of siphonic downpipes ongoing. Pipe sizes TBC. Final design to be confirmed.	Application for land drainage consent in progress. Construction of new outfalls to watercourse not to be undertaken prior to obtaining approval.	Coordination with pitch design ongoing. Final design to be confirmed.	Further coordination of levels required with landscape architect in areas of car park and hard standing at back of building. Levels to be designed to slope towards drainage features.
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