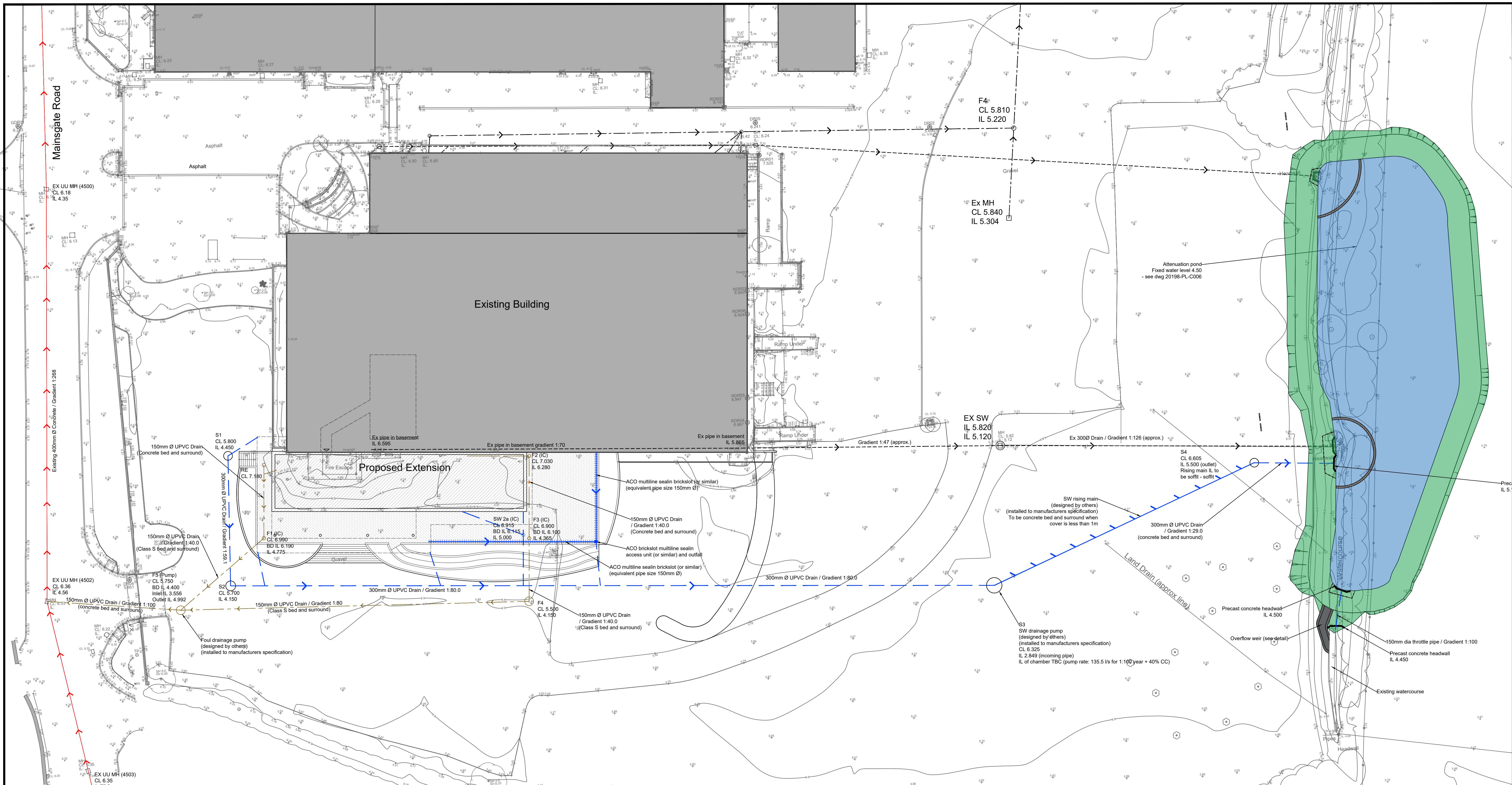




Drainage Strategy:

Extension:

Extension to be served by dished channels and trapped gulleys that will be gravity fed to S3 before being pumped to the east of the site and discharge into attenuation pond to the further to the east, designed to provide attenuation for upto and including the 100 year return period plus 40% climate change.

Discharge rates to be restricted to 1 in 1 year greenfield rate for the 1 year return period and Qbar for all return periods above this up to and including the 1 in 100 year plus 40% climate change event.

The surface water will then discharge into the existing watercourse to the south east of the site.

Foul:

Foul drainage to be gravity fed to manhole F5 and then pumped before discharging into existing United Utilities adopted sewers in Mainsgate Road.

General Notes:

All work undertaken in accordance with sewers for adoption 6th edition "A Design & Construction Guide For Developers"

All pipes to be ultra-rib UPVC unless specified (Thermoplastic structured walled pipes to comply with WIS 4-35-01 and achieve class 8 kN/m2 nominal short term ring stiffness)

All drains to be 150mm Ø and set in Class S pipe bed and surround unless otherwise specified

All manholes excluding patio area to be 1200Ø precast concrete with D400 frame and cover (excluding pump chambers - to be designed by others).

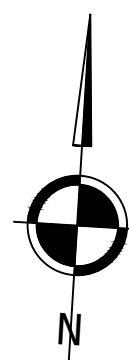
All inspection chambers to be PPIC

Maintenance:

- Maintenance of foul and Surface water drainage to be maintained by applicant (refer to maintenance pack)

Key:

- Foul Drainage
- Surface Water Rising Main
- Surface Water Drainage
- Combined Drainage
- ACO drain (or similar)
- Rodding Eye
- Inspection Chamber
- Existing Surface Water Drainage
- Existing Foul Drainage



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Rev. Date. Notes.

Client/Project:
CGP Limited
Civil/Structural/Architectural Design - Office &
Cafeteria Extension - Phase 3 @
Mainsgate Road
Millom, Cumbria, LA18 4JZ
Drawing Title:
DRAINAGE LAYOUT (OPTION 1)

Status: TENDER
Date: 07/01/2021 Drawn: RB Scale: 1:250 - A1
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