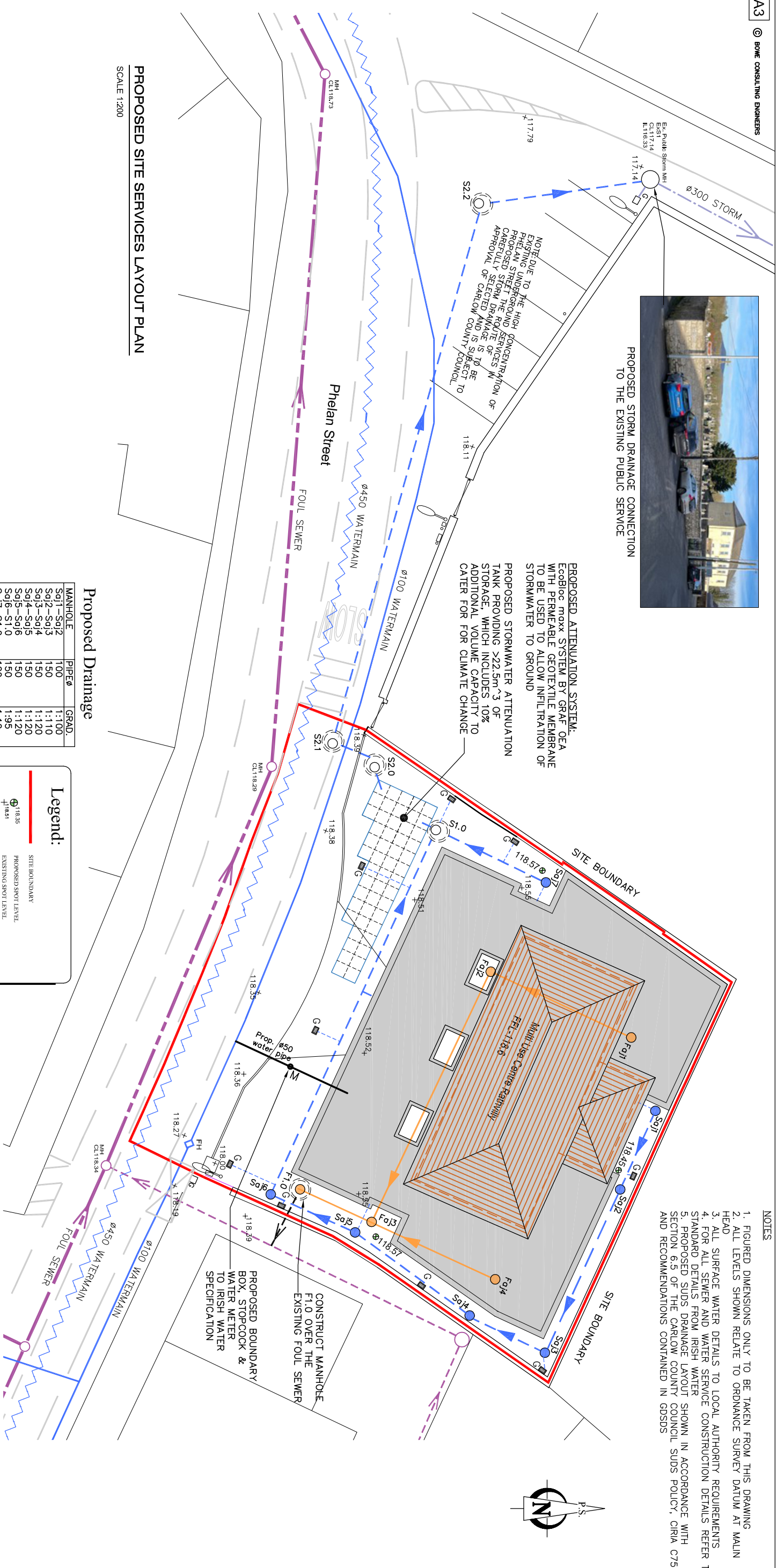


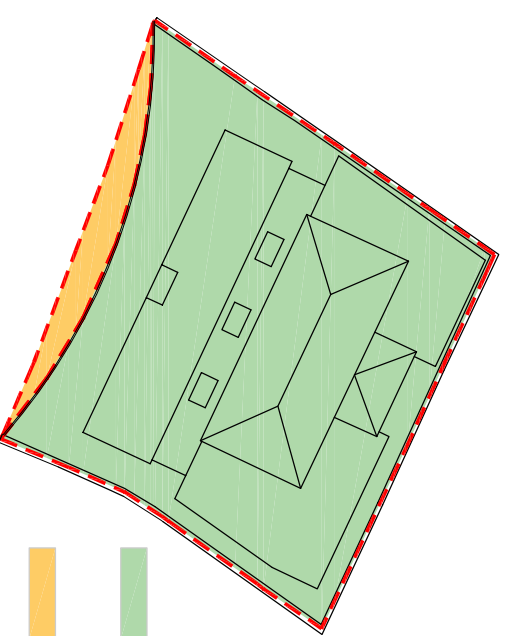
PROPOSED STORM DRAINAGE CONNECTION TO THE EXISTING PUBLIC SERVICE

PROPOSED ATTENUATION SYSTEM:
 Ecobloc maxx SYSTEM BY GRAF OEA WITH PERMEABLE GEOTEXTILE MEMBRANE TO BE USED TO ALLOW INFILTRATION OF STORMWATER TO GROUND

PROPOSED STORMWATER ATTENUATION TANK PROVIDING >22.5m³ OF STORAGE, WHICH INCLUDES 10% ADDITIONAL VOLUME CAPACITY TO CATER FOR FOR CLIMATE CHANGE



PROPOSED SITE SERVICES LAYOUT PLAN
 SCALE 1:200



658sqm = SURFACE WATER CATCHMENT AREA CONNECTED TO ATTENUATION TANK

44sqm = EXISTING SURFACE WATER CATCHMENT AREA DISCHARGING TO THE PUBLIC ROAD

PROPOSED HARDSTANDING KEY PLAN
 SCALE 1:500

Proposed Drainage

MANHOLE	PIPEØ	GRAD.
Soj1-Soj2	100	1:1.00
Soj2-Soj3	130	1:1.10
Soj3-Soj4	150	1:1.20
Soj4-Soj5	150	1:1.20
Soj5-Soj6	150	1:1.20
Soj6-S1.0	150	1:1.10
S2.0-S2.1	150	1:5.00
S2.1-S2.2	225	1:9.50
S2.2-ExS1	225	1:9.50

MANHOLE ICL	ILL
Soj1	118.570
Soj2	118.450
Soj3	118.450
Soj4	118.450
Soj5	118.550
Soj6	118.450
S1.0	118.570
S2.0	118.370
S2.1	118.350
S2.2	118.110
ExS1	117.140

MANHOLE	PIPEØ	GRAD.
FoJ1-FoJ2	100	1:5.7
FoJ2-FoJ3	100	1:5.6
FoJ3-FoJ4	150	1:3.0
FoJ4-FoJ5	100	1:3.0
F1.0-mains	150	1:2.6

MANHOLE ICL	ILL
FoJ1	118.60
FoJ2	118.60
FoJ3	118.57
FoJ4	118.60
F1.0	118.51
mains	118.39

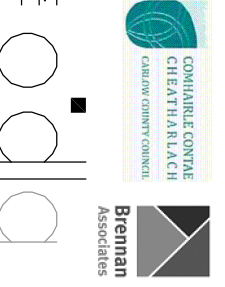
Legend:

- SITE BOUNDARY
- PROPOSED SPOT LEVEL
- EXISTING SPOT LEVEL
- EXISTING FOUL DRAINAGE PIPE
- PROPOSED FOUL DRAINAGE PIPE
- PROPOSED STORM DRAINAGE
- PROPOSED ROAD GULLY
- PROPOSED STORMWATER ATTENUATION TANK
- EXISTING PUBLIC STORM DRAINAGE
- PROPOSED SOAKAWAY SYSTEM
- PROPOSED SOAKAWAY SYSTEM TO BE Ecobloc maxx BY GRAF OEA WITH Geotextile permeable membrane to be used to allow infiltration of stormwater to ground
- EXISTING PUBLIC STORM DRAINAGE
- PROPOSED Storm Drain WATERMAIN, STOPCOCK AND WATERMETER TO CARLOW COUNTY COUNCIL AND BISH WATER SPECIFICATIONS
- EXISTING Ø450mm WATERMAIN
- EXISTING Ø100mm WATERMAIN AND HYDRANT

- NOTES**
1. FIGURED DIMENSIONS ONLY TO BE TAKEN FROM THIS DRAWING
 2. ALL LEVELS SHOWN RELATE TO ORDNANCE SURVEY DATUM AT MALIN HEAD
 3. ALL SURFACE WATER DETAILS TO LOCAL AUTHORITY REQUIREMENTS
 4. FOR ALL SEWER AND WATER SERVICE CONSTRUCTION DETAILS REFER TO STANDARD DETAILS FROM IRISH WATER
 5. PROPOSED SUDS DRAINAGE LAYOUT SHOWN IN ACCORDANCE WITH SECTION 6.5 OF THE CARLOW COUNTY COUNCIL SUDS POLICY, CIRIA C753 AND RECOMMENDATIONS CONTAINED IN GDSOS

Issue register

Rev.	Date	Description	Drawn/Checked/Approved
30.01.23		Part 8 Submission	AD IB



Client: CARLOW COUNTY COUNCIL

Job Description: THE SCHOOL HOUSE COMMUNITY AND ENTERPRISE CENTRE, FAITHVILLY, Co. CARLOW

Project No: 22P1544

Drawing Ref: P02

Drawing Title: PROPOSED SITE SERVICES LAYOUT PLAN

Date: 30.01.2023

Scale: 1:250 @A3

Drawn By: AD

Checked By: IB

Bowe Consulting Engineers

Carlow County Council Offices, Centre