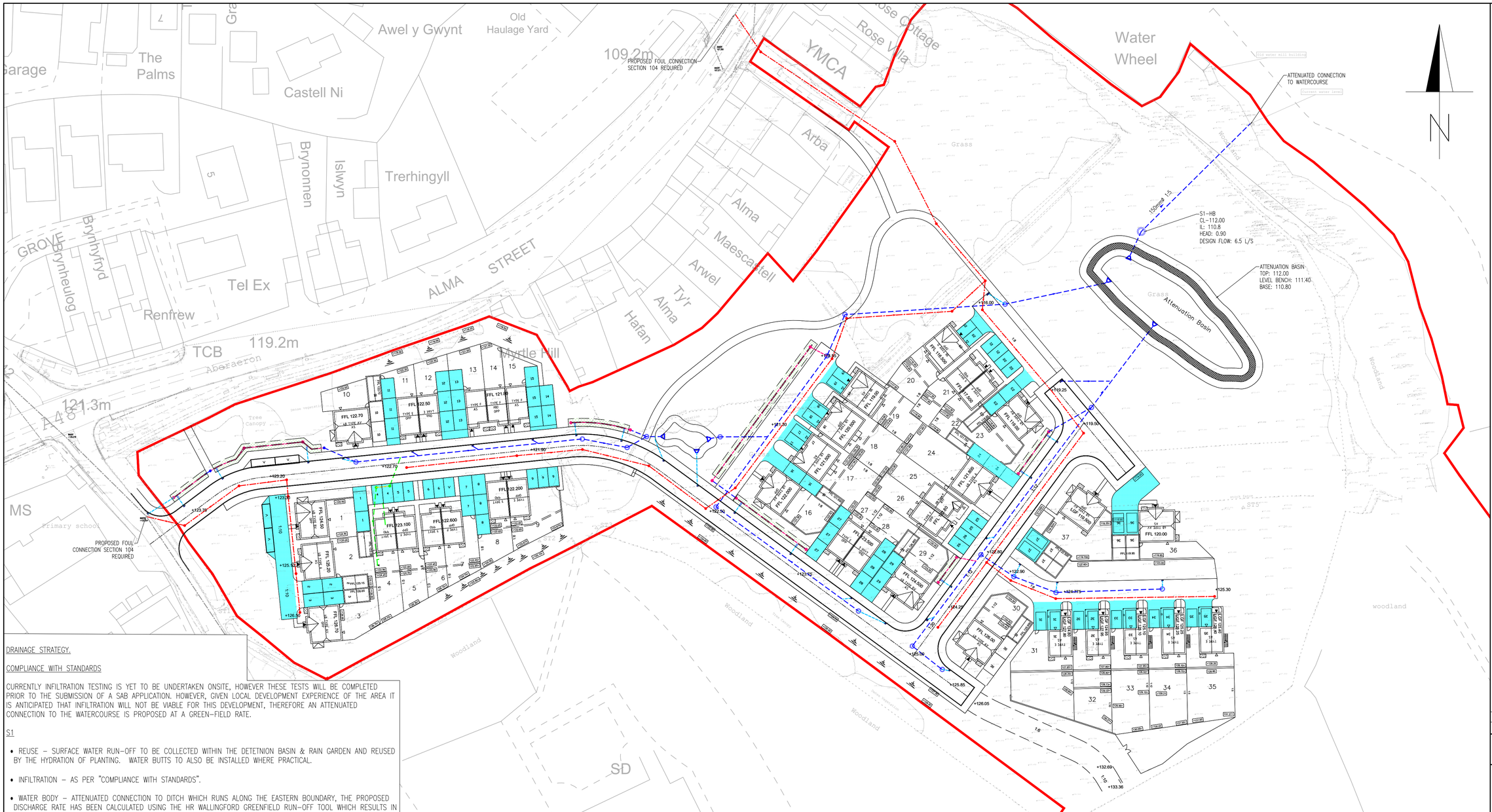

DRAINAGE STRATEGY.

COMPLIANCE WITH STANDARDS

CURRENTLY INFILTRATION TESTING IS YET TO BE UNDERTAKEN ONSITE, HOWEVER THESE TESTS WILL BE COMPLETED PRIOR TO THE SUBMISSION OF A SAB APPLICATION. HOWEVER, GIVEN LOCAL DEVELOPMENT EXPERIENCE OF THE AREA IT IS ANTICIPATED THAT INFILTRATION WILL NOT BE VIABLE FOR THIS DEVELOPMENT, THEREFORE AN ATTENUATED CONNECTION TO THE WATERCOURSE IS PROPOSED AT A GREEN-FIELD RATE.

S1

- REUSE – SURFACE WATER RUN-OFF TO BE COLLECTED WITHIN THE DETETNION BASIN & RAIN GARDEN AND REUSED BY THE HYDRATION OF PLANTING. WATER BUTTS TO ALSO BE INSTALLED WHERE PRACTICAL.
- INFILTRATION – AS PER "COMPLIANCE WITH STANDARDS".
- WATER BODY – ATTENUATED CONNECTION TO DITCH WHICH RUNS ALONG THE EASTERN BOUNDARY, THE PROPOSED DISCHARGE RATE HAS BEEN CALCULATED USING THE HR WALLINGFORD GREENFIELD RUN-OFF TOOL WHICH RESULTS IN A 1 IN 1 YEAR RATE OF 7.44it/Sec/HA. CONTROLLED DISCHARGE = 6.5LIT/sec WHICH IS BASED ON A CONTRIBUTING AREA OF 0.872HA
- SURFACE WATER SEWER – NOT REQUIRED FOR THIS DEVELOPMENT
- COMBINED SEWER – NOT REQUIRED FOR THIS DEVELOPMENT

S2

- FIRST 5MM WILL BE CATERED FOR IN THE INITIAL ABSORPTION OF THE PERMEABLE PAVING SUB-BASE & DETENTION BASIN.
- SURFACE WATER SYSTEM TO BE DESIGNED TO FOR A RETURN PERIOD OF 100YRS + 40% CLIMATE CHANGE.

S3

- WATER QUALITY WILL BE ACHIEVED VIA VARIOUS SUDS TECHNIQUES, PERMEABLE PAVING, DETENION BASINS & RAIN GARDENS.

S4

- THE SUDS FEATURES MENTIONED ABOVE ARE AN IMPORTANT PART OF THE LANDSCAPE DESIGN. FULL LANDSPACING PROPOSALS WILL BE PROVIDED AS PART OF THE FULL APPLICATION

S5

- PERMEABLE PAVING WILL NOT PROVIDE DIRECT BIODIVERSITY BENEFITS, ALTHOUGH IT WILL TREAT AND CONTROL WATER TO MAXIMISE BIODIVERSITY DOWNSTREAM.
- THE DETENTION BASINS WILL BE PLANTED WITH NATIVE PLANT SPECIES TO PROVIDE DENSE AND DURABLE COVER OF VEGETATION THAT CREATES APPROPRIATE HABITAT FOR INDIGENOUS SPECIES.

S6

- ALL DRAINAGE FEATURES WHICH SERVE 1 OR MORE PLOT WILL BE MANDATORY ADOPTED BY THE SAB AUTHORITY.

FOUL WATER

- 2No. CONNECTIONS REQUIRED FOR FOUL WATER, SECTION 104 TO BE SUBMITTED POST PLANNING APPROVAL

GENERAL NOTES

1. DO NOT SCALE THIS DRAWING.
2. CONTRACTOR TO CHECK ALL DIMENSIONS AND REPORT ALL ERRORS AND OMISSIONS TO THE ENGINEER.
3. ANY DISCREPANCY TO BE REPORTED IMMEDIATELY TO THE ENGINEER.
4. THIS DRAWING TO BE READ IN CONJUNCTION WITH ALL RELEVANT ARCHITECTS, SUBCONTRACTORS AND SPECIALISTS DRAWINGS AND SPECIFICATIONS.

Rev.	Detail	By	Date
A	MINOR LAYOUT CHANGES	DF	21.07.23

Revisions

Reinforcement schedules nos.

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Client
OBSIDIAN HOMES

Project
PROPOSED HOUSING DEVELOPMENT
LLANARTH
OBSIDIAN

Drawing Title
PROPOSED DRAINAGE STRATEGY

PRELIMINARY

Project No.	Drawing No.
C2041	C-001

Scales	Date	Revision
1:500	09.05.23	A

Drawn	Checked	Sheet Size
BC	DF	A1