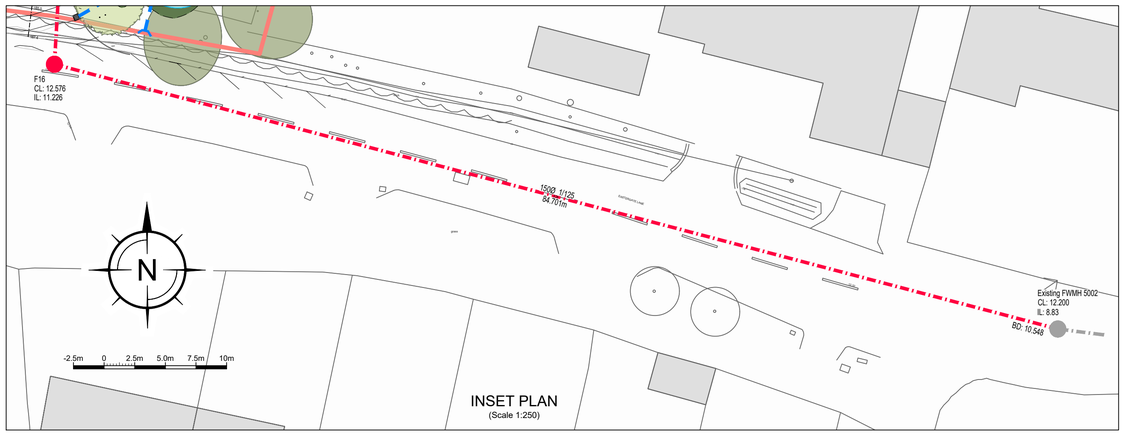

INSET PLAN
(Scale 1:250)

SYSTEM 2 (AREA 2)
Minimum 200mm 30% Voided subbase (Area = 255m²) with level base level 13.100m AOD.
Over 400mm depth of 95% voided Aquacell Core-R crates (Area = 145m²) with level base level 12.700m AOD.

SYSTEM 2
Minimum 650mm 30% Voided subbase (Area = 1338m²) . Level base level 12.65m AOD

Pond surface area = 111m²
Bed area = 100m²
IL 12.55m AOD
100mmØ outlet

SEE INSET PLAN FOR CONTINUATION

IL 12.55m

Outfall invert level: 12.50m AOD

Existing ditch bed level: 12.08m AOD

Gully connection to pond

500 mm wide subbase trench from crates to fin drain IL 12.70

Fin drain

SYSTEM 2 (AREA 1)
Minimum 650mm 30% Voided subbase (Area = 1338m²) . Level base level 12.65m AOD

Hydrobrake Manhole
CTL-SHE-0090-2700-0150-2700
IL12.65m AOD

Ditch bed level: 12.60m AOD

Ditch bed level: 12.50m AOD

Existing ditch bed level: 12.00m AOD

PS85
45mm Orifice Plate discharging to System 2
IL 13.025

Subbase in this area for conveyance only

SYSTEM 1
Minimum 490mm 30% Voided subbase (Area = 400m²) with level base level 13.235m AOD.
Over 210mm depth of 94% voided Polystorm Xtra Modular Cell crates (Area = 230m²) with level base
System 1 to be lined to ensure no hydraulic link is available to System 2 other than via the orifice plate

KEY:

- Surface water crate storage 95% voids
- SYSTEM 1 Minimum 500mm 30% Voided subbase (Area = 399m²) with level base level 13.225m AOD.
- SYSTEM 2 (AREA 1) Minimum 650mm 30% Voided subbase (Area = 1274m²) . Level base level 12.65m AOD
- SYSTEM 2 (AREA 2) Minimum 200mm 30% Voided subbase (Area = 225m²) with level base level 13.100m AOD.
- Proposed adoptable foul drainage
- Proposed private foul drainage
- Proposed private surface water drainage

REV	DATE	INT	DESCRIPTION	CHK
B	21.11.23	AJD	Updated to suit site layout P20-2233_DE_001_G	SRM
A	25.05.23	AJD	Road levels revised and storage removed from with tree root protection zone	SRM

Issue Status: PRELIMINARY

The Civil Engineering Practice
11 Tungsten Building
George Street
Fishersgate
Sussex
BN41 1RA
01273 424424
reception@civil.co.uk
www.civil.co.uk

CLIENT: Macra Ltd

PROJECT: Land At West Walberton Lane, Walberton

TITLE: Site Layout - Drainage Strategy

DRAWN	DATE	PROJECT NO.
A Davies	Mar 2023	23609
ENGINEER: S Magowan	CHECKED: SD	
SCALE: 1:250 @ A1, 1:500 @ A3	DRG. No. 301	REV. B

ARUN DISTRICT COUNCIL WA/172/FL