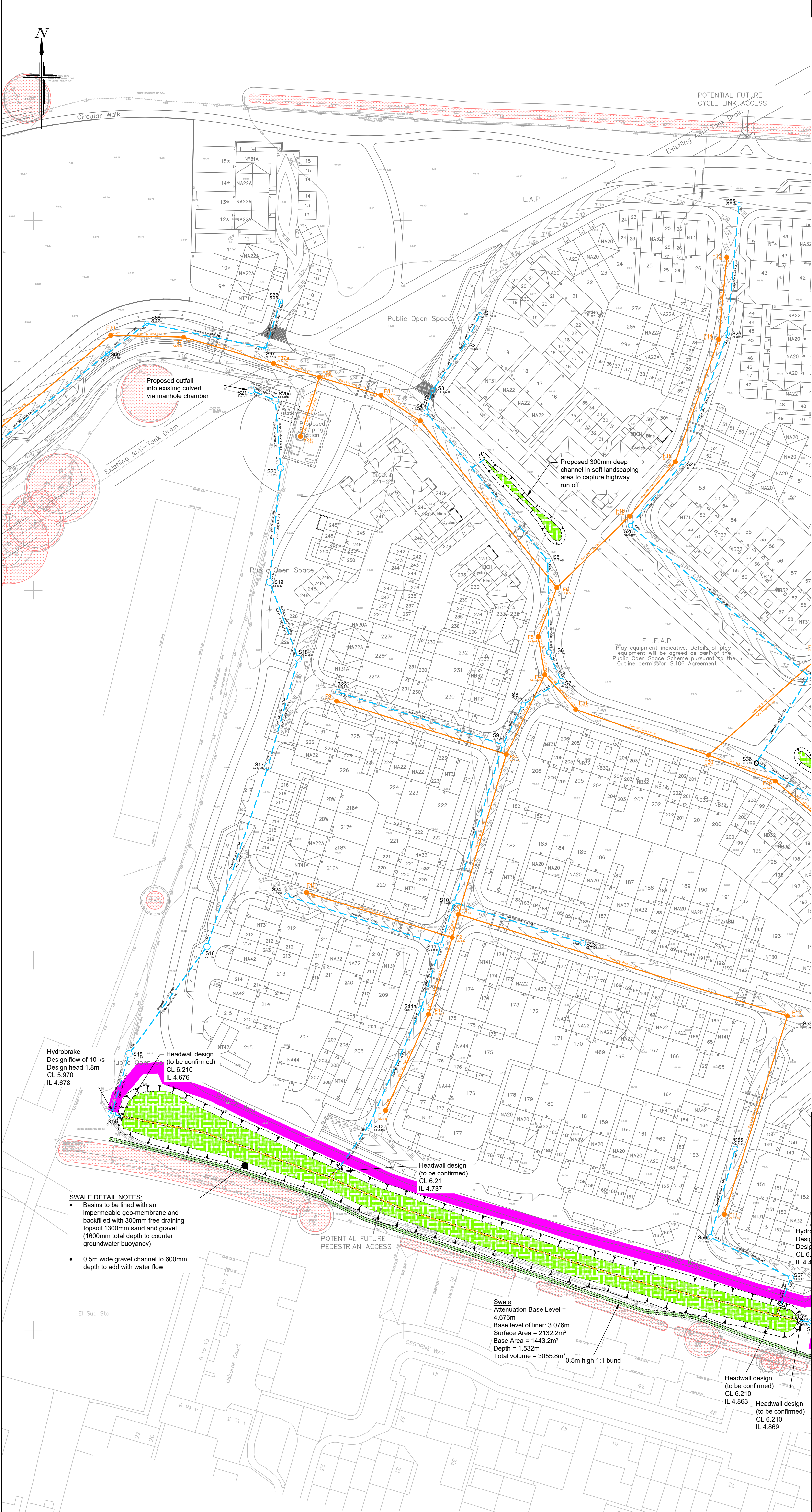




NOTES

- All dimensions are in metres unless stated otherwise.
- Do not scale from this drawing. Only written dimensions are to be used.
- Site layout based on Cooper Baillie Planning Layout, drawing number CB_84-139_001 Rev J dated 4th October 2021.
- Topographical survey based on MK Surveys layout, drawing number 22496-2 dated January 2021.
- Level strategy is subject to further design development. Cover Levels are indicative only and subject to further detailed review
- The proposed surface and foul water drainage show is indicative only and subject to further design development. Detailed proposals for the surface and foul water drainage strategy will be provided as part of the Discharge of Conditions applications associated with the current Outline Planning Consent P.134.16.OUT
- ANY VARIANCE OR DISCREPANCY MUST BE REPORTED BACK TO RCP ENGINEERING BEFORE WORK BEGINS.**

KEY

- Site Boundary
- Potential School, care home or residential site under separate planning application
- Proposed Surface Water Sewer
- Proposed Foul Water Sewer
- Basin and swale base to consist of 300mm free draining topsoil and clean coarse granular material nominal size 40/60mm with full depth 0.5m channel to allow for water flow
- Proposed Headwall
- Existing Trees And Hedgerows root protection areas. Any works to be carried out to be undertaken in accordance with arboriculturist's method statement and approval
- Proposed indicative permeable paving (Subject to further soakage and infiltration testing to inform permeability rates and depths within parking areas and driveway)
- Indicative location of 0.5m high bund to prevent over ground water flow entering existing residents plots from SuDs features.
- Indicative location of 140m² attenuation tank
- Indicative gradient for SuDs basins and swale
- Route for future maintenance access to SuDs basins, swales and diverted watercourse

CDM NOTES

- EXISTING SERVICES.** Depth of existing services must be determined prior to works commencing. The contractor is responsible for establishing underground services in accordance with HSE Guidance note HS (G) 47. Any services which would be within the proposed construction layers must be lowered to below the sub-base.

Hydrobrake
Design flow of 10 l/s
Design head 1.8m
CL 5.970
IL 4.678

Headwall design
(to be confirmed)
CL 6.210
IL 4.676

Headwall design
(to be confirmed)
CL 6.21
IL 4.737

Swale
Attenuation Base Level = 4.676m
Base level of liner: 3.076m
Surface Area = 2132.2m²
Base Area = 1443.2m²
Depth = 1.532m
Total volume = 3055.8m³
0.5m high 1:1 bund

Headwall design
(to be confirmed)
CL 6.210
IL 4.863

Headwall design
(to be confirmed)
CL 6.210
IL 4.869

SWALE DETAIL NOTES:

- Basins to be lined with an impermeable geo-membrane and backfilled with 300mm free draining topsoil 1300mm sand and gravel (1600mm total depth to counter groundwater buoyancy)
- 0.5m wide gravel channel to 600mm depth to add with water flow

SCALE BAR 1:500 at A1

Rev.	Date	Details	By	Chkd	Appd
H	13.10.21	Site Plan updated.		LD	TRS
G	01.09.21	Maintenance access route added		TRS	LD
F	26.07.21	Basin backfill updated		TRS	LD
E	22.07.21	Site layout updated.		TRS	LD
D	19.03.21	Site layout updated.		TK	LD
C	04.02.21	Chamber S20a added and site layout updated.		TK	LD
B	22.01.21	0.5m high bund added to south eastern SuDs features, topographical survey and site layout updated.		TK	LD
A	11.01.21	Surface water and foul water networks updated to suit latest site layout		TK	LD

Client: **Taylor Wimpey**

Site: **Seftor Road, Bognor**

Drawing Title: **Surface Water Drainage Strategy Layout**

Sheet 2 of 3

Date: January 2020 Scales: 1:500 at A1

Drawn: TK Checked: TK Approved: TRS

Drawing No. **WSC/E4775/009 H**

FOR INFORMATION ONLY

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