DO NOT SCALE OFF THIS DRAWING

Notes:

1. This drawing is not to be used for construction; it is preliminary and intended for informational purposes only. It is subject to change during the design process.
2. All dimensions in metres unless otherwise stated.
3. Proposed works are based on the topographic survey provided by MK Surveys, (ref: 34921.dwg) dated October 2024.
4. This drawing is based upon drawing number 24.1945.1000P Wickhurst Green - Proposed Site Layout, supplied by FINC, Markides Associates shall not be liable for any inaccuracies or deficiencies.
5. No deviation from the details shown on this drawing is permitted without prior approval from the Engineer.

Existing watercourse to be culverted below proposed footway/cycleway, subject to detailed design and Ordinary Watercourse Consent from the LLFA

Proposed foul sewer to pass below invert of existing watercourse and be constructed as part of the culvert works

Existing watercourse to be culverted below proposed footway/cycleway, subject to detailed design and Ordinary Watercourse Consent from the LLFA

Infiltration Trench 1
Depth: 800mm

Infiltration Trench 2
Depth: 1775mm

Infiltration Trench 3
Depth: 540mm

Infiltration Trench 4
Depth: 1200mm

Permeable Paving 1
- 425mm Type 3 coarse graded aggregate subbase
- To drain directly into attenuation tank

Permeable Paving 2
- 425mm Type 3 coarse graded aggregate subbase
- To drain directly into attenuation tank

Permeable Paving 3
- 425mm Type 3 coarse graded aggregate subbase
- To drain directly into attenuation tank

Permeable Paving (1)
- 250mm Type 3 coarse aggregate subbase

Permeable Paving (4
- 250mm Type 3 coa aggregate subbase

Permeable Paving (5)
- 250mm Type 3 coarse graded aggregate subbase

Permeable Paving (14)
- 250mm Type 3 coarse graded aggregate subbase

Permeable Paving (15)
- 250mm Type 3 coarse graded aggregate subbase

Permeable Paving (16)
- 250mm Type 3 coarse graded aggregate subbase

Permeable Paving (17)
- 250mm Type 3 coarse graded aggregate subbase

Permeable Paving
- 250mm Type 3 coarse graded aggregate subbase

Permeable Paving (19)
- 250mm Type 3 coarse graded aggregate subbase

Permeable Paving (20)
- 1150mm Type 3 coarse graded aggregate subbase

Permeable Paving (21)
- 250mm Type 3 coarse graded aggregate subbase

Attenuation Tank 1
CL: Varies, minimum 0.6m cover
Top of Tank: 39.100
Base of Tank: 38.100
Area: 154m²
Volume (with 95% porosity): 146.300m³

Attenuation Tank 2
CL: Varies, minimum 0.6m cover
Top of Tank: 38.425
Base of Tank: 37.425
Area: 123.5m²
Volume (with 95% porosity): 117.325m³

Attenuation Tank 3
CL: Varies, minimum 0.6m cover
Top of Tank: 38.250
Base of Tank: 37.250
Area: 114m²
Volume (with 95% porosity): 108.300m³

SuDS Basin
Exceedance level: 39.000m
Depth: 0.65m
Base level: 38.350m
Water: 5.668m³

Proposed connection point into existing foul manhole MH1 FW subject to S106 approval from Southern Water

OUTFALL 1
CL: 40.354
IL: 37.32

Proposed connection point into existing watercourse

IL: 37.300

Bagwork headwall to follow profiled of existing ditch

Flow rate: 6.6l/s

Proposed connection point into existing watercourse

IL: 36.360

Bagwork headwall to follow profiled of existing ditch

Flow rate: 4.6l/s

Proposed connection point into existing foul manhole MH16 FW subject to S106 approval from Southern Water

OUTFALL 2
CL: 38.890
IL: 36.330

Proposed connection point into existing foul manhole MH13 FW subject to S106 approval from Southern Water

OUTFALL 3
CL: 39.190
IL: 36.400

Designer Notes:

1. Surface water drainage based on a proposed total discharge rate of 11.2 l/s into the existing watercourse on site (equivalent to the 1 in 1 year greenfield run-off rate). The total impermable area for the site is 1.218 ha, with 50.3% on the western parcel (0.612 ha) and 49.7% on the eastern parcel (0.605 ha). The discharge rate will be split into 5.63 l/s for the western parcel and 5.57 l/s for the eastern parcel based on the percentage of the overall impermeable area for each parcel.
2. Based on the areas and discharge rates described in note 6 and using the Quick Storage Calculation feature in InfoDrainage the required on site attenuation for each parcel is up to the following volumes:
   Western Parcel: 533m³
   Eastern Parcel: 527 m³
3. These are preliminary volumes and subject to change. Attenuation is proposed to be within the subbase of the proposed permeable paving areas.

Key:

- Proposed Adoptable Surface Water Drainage
- Proposed Adoptable Surface Water Chamber
- Proposed Adoptable Surface Water Flow Control
- Proposed Adoptable Foul Water Drainage
- Proposed Adoptable Foul Water Chamber
- Proposed Private Surface Water Drainage
- Proposed Filter Strip
- Proposed Permeable Paving
- Proposed Permeable Subbase
- Proposed Attenuation Tank
- 6m Adopted Sewer Easement
- 3m Watercourse Easement
- Culverted Watercourse
- Proposed Attenuation Basin
- Proposed Bagwork Headwall

Revision History

Rev	Comment	By	Chkd	Appr	Date
P03	UPDATED FOLLOWING LLFA COMMENTS	OT	SS	HJ	21.11.25
P02	UPDATED DRAINAGE STRATEGY	OT	SS	HJ	22.10.25
P01	DRAFT FOR COMMENT	OT	SS	HJ	31.03.25

Current Revision

Rev	Comment	By	Chkd	Appr	Date
P03	UPDATED FOLLOWING LLFA COMMENTS	OT	SS	HJ	21.11.25

PRELIMINARY

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Project
WICKHURST GREEN
BROADBRIDGE HEATH

Drawing Title
PROPOSED DRAINAGE STRATEGY
SHEET 1
WESTERN PARCEL

Markides Associates reference: 24184 1:250@A1

24184-MA-XX-XX-SK-C-0500 - P03

Scale 1:250 @ A1 - 1:500 @ A3
5m 0 5m 10m 15m 20m 25m

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