DO NOT SCALE

NORTH

SHEET 1

SHEET 2

KEY PLAN

STANSTY LODGE LANE

Nominal 100-200mm locally placed stone protection min. 5m long

Soakaway 2
S/A Base Level = 84.65
S/A Size = 10.0m x 7.5m
Infiltration Rate = 2.57×10^{-4} m/s
Overall Depth 1.2m

Plot Soakaways (Plots 230-238)

INFILTRATION BASIN 4
TOB = 90.500
Base Level = 88.500
Basin Base Area = 68.5m²
1 in 3 Side Slopes
Top Water Levels:
100yr+50%cc = 90.228
100yr = 89.816
30yr = 89.575
Infiltration Rate = 0.3744 m/hr

INFILTRATION BASIN 3
TOB = 85.500
Base Level = 83.500
Basin Base Area = 165m²
1 in 3 Side Slopes
Top Water Levels:
100yr+50%cc = 85.248
100yr = 84.748
30yr = 84.497
Infiltration Rate = 0.3744 m/hr

Nominal 100-200mm locally placed stone protection min. 5m long

Highway Gullies to discharge into swale, swale to connect into SW network.

INFILTRATION BASIN 2
TOB = 85.500
Base Level = 83.500
Basin Base Area = 478m²
1 in 3 Side Slopes
Top Water Levels:
100yr+50%cc = 85.248
100yr = 84.748
30yr = 84.497
Infiltration Rate = 0.3744 m/hr

Hatched area indicates an area within the application boundary where no works are proposed as part of this application.

Stansty Lodge

Line of Posts

The Hawthorns

Oakhurst

MOLD ROAD

SEE INSERT ON SHEET 1 FOR RISING MAIN OUTFALL

0 5 10 15 20 25 30 35 40 45 50
SCALEBAR (m)

© Copyright The original of this drawing contained coloured symbols and/or features. Any black and white reproduction should not be relied upon.

Notes

1. Setting out shall be undertaken using only the information given. Distances should not be scaled from this drawing.
2. All adoptable drainage shall be constructed in accordance with 'Sewers for Adoption' 7th Edition, Welsh Ministers Standards and Welsh Water Details and Guidelines.
3. The minimum gravity pipe diameter under adoptable highways shall be 150mm
4. It is the responsibility of the Contractor to verify all information given with regards to existing services and drainage connections etc. prior to commencing the works. The rates shall include for hand dig around services where necessary. The Contractor shall adhere to the CDM Regulations at all times
8. All materials to bear the relevant B.S. Kitemark and comply fully with the specifications. All concrete & concrete products must use Sulphate resistant cement to withstand Class 3 condition (unless the site investigation report proves that sulphate attack from soils and groundwater will not occur).
9. All opening notices etc. as required under Highways Acts etc. are to be obtained prior to commencement of works. All works are to be inspected by L.A., NHBC or the Network Operator as applicable.
10. Where structured wall UPVC pipes (or similar approved) are used in adoptable drainage they shall be handled and laid in accordance with the manufacturers instructions and will be subject to post installation deformation testing prior to adoption.
A Class S Bed and Surround must be used for structured wall pipes
12. Trench backfill in highways to within 1m of highway shall, as directed by the Highway Authority be a suitable granular material all in accordance with Sewers for Adoption.
13. Slab levels shall not be varied without reference to the Engineer for guidance.
14. Pipes have not been designed to accommodate construction traffic loading. The contractor is responsible for providing adequate protection to the pipes during construction.
15. All manhole covers and frames shall comply with BS EN124. All adoptable manholes and chambers shall comply with Sewers for Adoption 7th Edition. Covers in roads to be grade D400 and be 150mm deep. Manhole covers in car parking areas and drives to be grade B125 and covers in landscaping areas to be grade A15. All to be sized in accordance with Building Regulations Part H, Tables 11 & 12. "In-fill" type covers should not be used. Where a cover is located in an area of block paving, the bottom of the frame should be 150mm deep.

Legend

- Site Boundary (Phase 1 & 2)
- Applicant Site Boundary
- 900 W — Retaining Wall (GeoWall)
- 1200 W — Retaining Wall (Brick)
- 450 FOE — Flag Retaining Wall
- 300 GB — Gravel Board
- 150 UB — Underbuild
- 300 STEP — Step In Slab
- FFL 18.65 — Plot Slab Level
- S01 — Adoptable Surface Water Sewer
- F01 — Adoptable Foul Sewer
- FC — Flow Control Manhole
- Sewer Easement
- +0.95 -0.95 — Depth of fill (Existing levels to proposed)
- Cellular Soakaways
- Infiltration Basin
- Swale
- Filter Drain
- Permeable Paving

STRATEGY

Rev.	Date	Revision	By	Appd.
F	19.06.26	Foul Water Drainage revised	PW	AJ
E	03.06.26	Updated to suit revised layout	PW	AJ
D	23.04.26	Foul drainage added	PW	AJ
C	21.04.26	Updated to suit revised layout	PW	AJ
B	24.07.25	Phase 1 and Phase 2 boundaries added	PW	AJ
A	24.07.25	Revised Infiltration Basin 2 location	PW	AJ

coopers
chartered consulting engineers
Park House
Sandpiper Court
Chester Business Park
Chester
CH4 9QU
Tel: 01244 684910
Email: admin@coopers.co.uk
Web: http://coopers.co.uk

Client

Castle Green

Project

STANSTY ROAD, WREXHAM

Title

Drainage Strategy
Sheet 2 of 3

DRAWING NUMBER	SCALE at A0	1:500	
8562 / SK02-2	DATE	21.07.25	REVISION
	DRAWN	PW	F
	CHECKED	AJ	