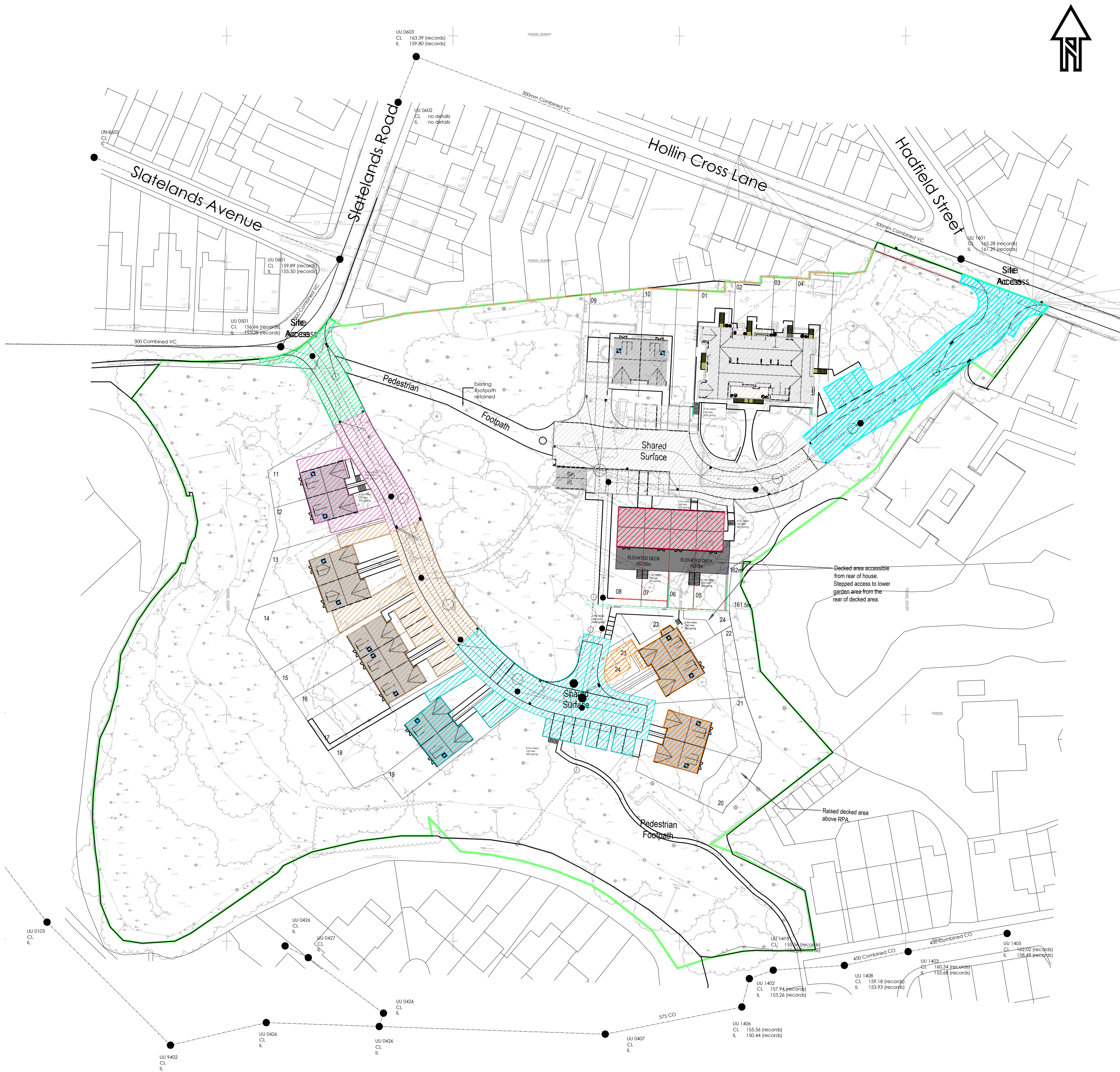




Impermeable Areas

Pipe Ref	Road m ²	Roads Ha	Plot m ²	Plot Ha	10% UC m ²	10% UC Ha	Total m ²
1.000	552.305	0.055	0.000	0.000	0.000	0.000	552.305
1.001	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1.002	880.344	0.088	469.085	0.047	46.908	0.005	1396.337
1.003	0.000	0.000	202.963	0.020	20.296	0.002	223.259
1.004	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1.005	0.000	0.000	0.000	0.000	0.000	0.000	0.000
1.006	0.000	0.000	0.000	0.000	0.000	0.000	0.000
2.000	0.000	0.000	268.469	0.027	26.850	0.003	295.319
3.000	182.820	0.018	0.000	0.000	0.000	0.000	182.820
3.001	203.942	0.020	180.661	0.018	18.066	0.002	400.792
3.002	214.567	0.021	477.333	0.048	47.733	0.005	739.633
3.003	531.101	0.053	180.201	0.018	18.020	0.002	729.322
Total	2565.079	0.257	1778.712	0.178	177.873	0.018	4521.664

NOTES

- Foul Water Details
 - Proposed discharge point to allow for gravity solution UU Manhole ref 0501 in Slatelands Road. Connectivity to the existing foul water drainage serving Devonshire House must be proven prior to acceptance of the design.
- Surface Water
 - Overall allowable discharge rate 10.0 l/sec (QBar), as taken from the FRA produced by Betts Hydro (June 2021) Ref: HYD512_HOLLIN.CROSS.LANE_FRA&DMS. Design based on large diameter pipes to contain the 1:30 year storm water and the 1:100 year.
 - The 1:30 year simulations include for a surcharged outfall based on interpolated model details within the FRA. Level used is 151.79mAOD.
 - The 1:100 year + 40% CC simulations include for a surcharged outfall based on interpolated model details within the FRA using the 1:100 year figures. Level used is 151.98mAOD.
 - Connectivity to the existing surface water drainage serving Devonshire House must be proven prior to acceptance of the design.
- Layout Details
 - The design has been based where possible on details provided in the Pozzoni drawing ref:-5417-PAL-ZZ-ZZ-DR-A-110 P13 Site Plan and TPA drawing ref:- 6004.02 Root Protection Plan, with adjustments being made to allow for both surface and foul water design requirements.
 - Further layout considerations include:-
 - Relocating the bin store to adjacent car parking in front of plot 08 to provide a woodland vista.
 - Due to the proposed sewer routing and outfall to the water course consideration will need to be take with regards proposed and existing planting/trees to allow for required sewer easements where no planting will be allowed.
 - Drainage Generally.

All drainage is to be private.

All drainage to comply with the building regulations Part H.

Final connect of the foul drainage network to existing combined UU manhole ref 0501 in Slatelands Road is subject to a Section 106 agreement under the Water Industries Act 1991. Specified oversize pipes 1350dia are available by special order from FPMcCanns.

The headwall outfall discharge to Long Clough Brook as a designated main river is subject to Environment Agency approval. No development is permitted within 8m from the top of bank of Long Clough Brook.

E	26.01.23	Scale bar added. DO NOT SCALE note removed from drawing	GW
D	09.01.23	Updated to full revised layout	GW
C	10.08.21	Amendments to jobs 20-24 and additional car parking space added.	GW
B	05.08.21	Steps shown connecting Road 2 to woodland footpath running SE	GW
A	29.07.21	Bin store relocated	GW
		Produced for Client comment	GW

Mark	Date	Details	By
Revision History			

Drawing originator:



Client:

Eden Planning Ltd

Project title:

Hollin Cross Lane
Glossop

Drawing title:

Impermeable Areas Plan

Scale: 1:500 for the original size of A1

Drawn by: GW | Checked by: RA | Passed by: RA | Date: July 2021

Drawing status: Provisional

Job No:	Drawing No:	Project	Origin	Volume	Level	Type	Discs	Number	Revision:
EDE01	5417	BET	ZZ	XX	DR	C	102		E