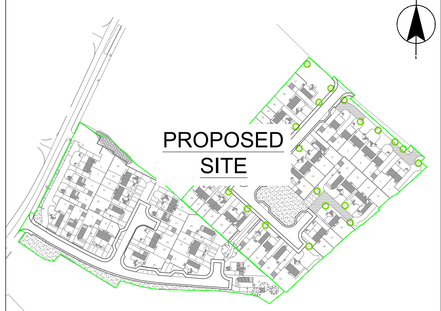

BLOCK LAYOUT

SCALE: 1:2000
GRID REF: E=299094, N=517065
POST CODE: CA28 6XD

SURFACE WATER CATCHMENT AREAS

1	0.185
2	0.115
3	0.036
4	0.079
5	0.085
6	0.000
7	0.000
8	0.105
9	0.000
10	0.055
11	0.067
12	0.046
13	0.110
14	0.012
15	0.052
16	0.049
17	0.000
18	0.000
19	0.000

PHASE 1

ALL COVER & INVERT LEVEL INFORMATION HAS BEEN TAKEN FROM AVAILABLE TOPOGRAPHICAL SURVEY DATA OR UNITED UTILITY RECORDS AND CCTV REPORT. EXISTING PUBLIC FOUL AND SURFACE WATER SEWERS ARE TO BE ABOVE GROUND PROBED, ROUTED AND INTERNALLY SURVEYED WITH ALL INFORMATION PASSED TO SITE INFRASTRUCTURE SERVICES LTD FOR REVIEW PRIOR TO COMMENCEMENT ON SITE

UNDER NO CIRCUMSTANCES SHALL ANY PROPOSED LEVELS BE AMENDED WITHOUT THE PRIOR CONSULTATION WITH SITE INFRASTRUCTURE SERVICES LTD

SITE LAYOUT

SCALE: 1:500
GRID REF: E=299094, NX=517065
NATIONAL GRID REF: NX990171
POST CODE: CA28 6XD

KEY

- Foul water sewer
- Storm water sewer
- Back drop manhole
- Existing UU Storm water sewer
- Existing UU Foul water sewer
- Existing UU Storm water sewer to be abandoned
- Existing UU Foul water sewer to be abandoned
- Gully (150mm connection)

NOTES

1. No dimensions are to be measured from this drawing.
2. All levels shown are in metres unless otherwise shown.
3. This drawing is to be read in conjunction with all relevant Architects, Planning and Infrastructure Design drawings.
4. The position and levels of all existing drains are to be confirmed on site prior to the commencement of the works and any discrepancies reported immediately to the engineer.
5. All private drainage is to constructed in accordance with th latest edition of the Building Regulations Part H (Drainage & Waste Disposal) and to BSEN752 (Building Drainage).
6. All adoptable drainage is to be in accordance with the requirements of Sewers for Adoption 6th Edition and the Sewerage Undertaker/Council.
7. All connections to existing public sewers are to be made to the satisfaction of the Sewerage Undertaker and the Local Authority.
8. Existing drains being abandoned are to be dealt with in the following manner:
   i) Within 1.0m of proposed ground levels, drains are to be grubbed out.
   ii) Deeper than 1.0m of proposed ground levels drains are to be grouted with a 1:10 cement:sand:mix.
9. Any existing gully connections being abandoned are to be sealed with a concrete plug not less than 300mm thick at a level of 1.0m below ground.
10. Concrete protection of pipework is to be provided as follows:-
    i) All pipework within pedestrian / soft areas with a cover less than 600mm.
    ii) All pipework beneath areas subject to vehicular overrun with a cover less than 1.2m.
11. All pipework within manholes are to be laid soffit to soffit.
12. Any gradients of drains are indicative only and The Contractor shall install drains to the invert levels shown for each manhole.
13. Any co-ordinate information regarding manholes is to the centre of the manhole.
14. Cover levels of the manholes are provisional and subject to adjustment to suit the finished ground levels.
15. The use of short radius bends for changes in direction is not permitted, only long radius bends or 2 No. are to be used.
16. Connections to carrier drains are to be 'Y' junctions.
17. Manhole covers and frames are to be in accordance with BS EN 124 and the following criteria:-
    Vehicular areas : Class D400 double triangular 150mm (min) deep ductile iron cover & frame with three-point cover seating.
    Pedestrian areas only : Class B125 double triangular 100mm (min) deep ductile iron cover & frame with three-point cover seating.
18. Heavy duty cover slabs are to be used with Class D400 frames.
19. Gully gratings and channel covers are to be in accordance with BS EN 124 as follows:
    i) Areas subject to vehicular overrun: Class D400 minimum. Class F900 within service yard.
    ii) Areas not subject to vehicular overrun: Class C250
20. Gully gratings are to be double triangular ductile iron with a non-rock design and a 100mm deep frame.
21. Outside of sewers to be 1.0m (min) from kerb line.
22. Outside of manholes to be 0.5m (min) from kerb line.
23. All non-adoptable foul and surface water pipes to be 100 diameter unless noted otherwise.
24. Proposed 225mm diameter inspection chambers to be laid at a maximum depth of 600mm below GL.
25. Proposed 450mm diameter inspection chambers to be laid at a maximum depth of 3000mm below GL.
26. Installation of all pipework, manholes, gullies & channels etc are to be laid to manufacturers specification.

Rev	Amendments	Date	Drawn
-	INITIAL ISSUE	13.05.2022	CML

Client

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Building Homes. Changing Lives.

Project Title

Ivy Mills
CUMBRIA

Drawing Title

DRAINAGE AREA PLAN

Scales	
1:500 @ A1	
Drawn	Date
CML	13.05.22
Ref	Rev
GHC-IM-C-P2-14-01	-

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