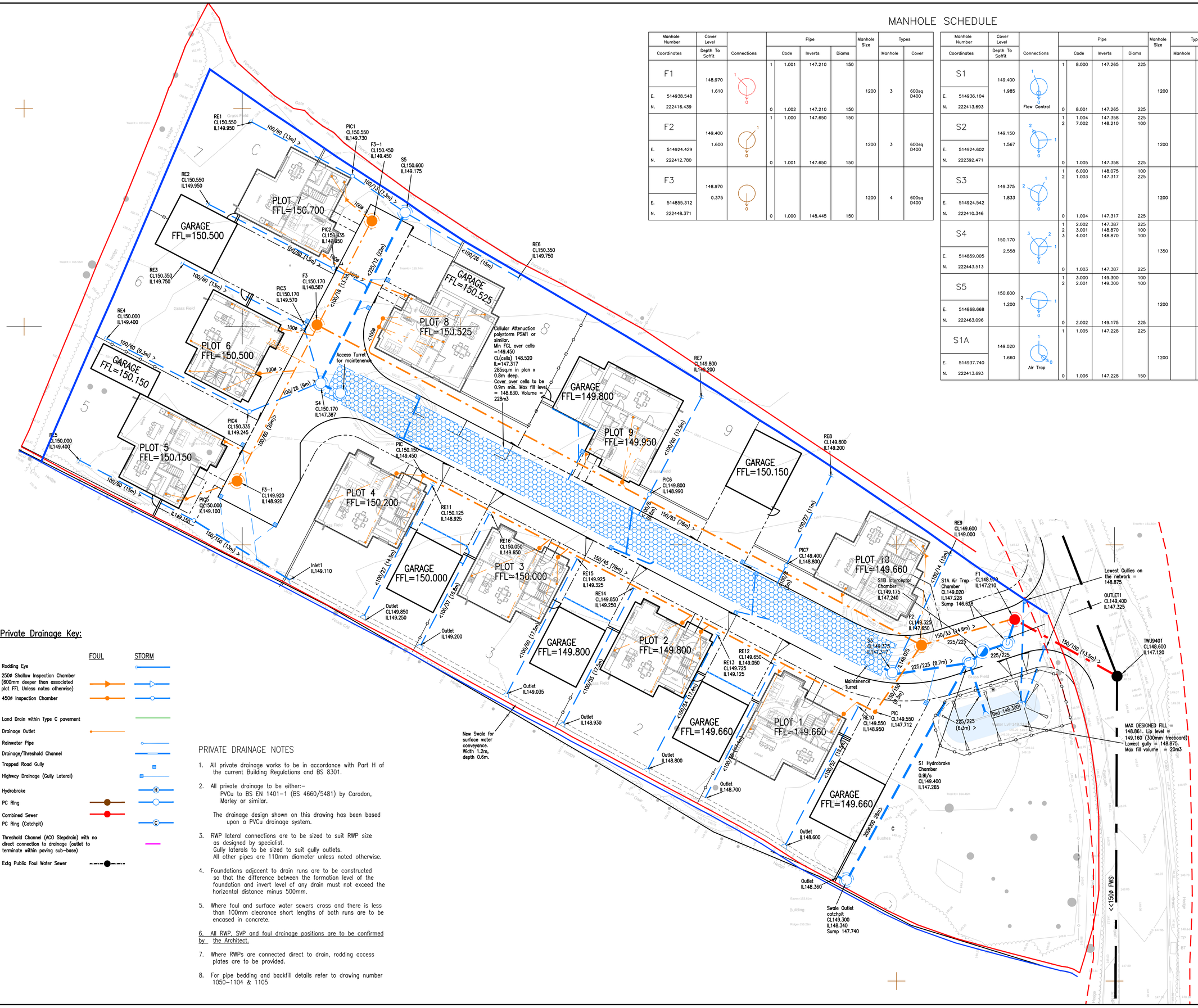

MANHOLE SCHEDULE

Manhole Number	Cover Level	Connections	Pipe				Manhole Size	Types	
Coordinates	Depth To Soffit			Code	Inverts	Diams		Manhole	Cover
F1	148.970		1	1.001	147.210	150	1200	3	600sq D400
E. 514938.548	1.610								
N. 222416.439			0	1.002	147.210	150			
F2	149.400		1	1.000	147.650	150	1200	3	600sq D400
E. 514924.429	1.600								
N. 222412.780			0	1.001	147.650	150			
F3	148.970						1200	4	600sq D400
E. 514855.312	0.375								
N. 222448.371			0	1.000	148.445	150			

Manhole Number	Cover Level	Connections	Pipe				Manhole Size	Types	
Coordinates	Depth To Soffit			Code	Inverts	Diams		Manhole	Cover
S1	149.400		1	8.000	147.265	225	1200		600sq B125
E. 514936.104	1.985	Flow Control							
N. 222413.693			0	8.001	147.265	225			
S2	149.150		1	1.004	147.358	225	1200		600sq B125
			2	7.002	148.210	100			
E. 514924.602	1.567								
N. 222392.471			0	1.005	147.358	225			
S3	149.375		1	6.000	148.075	100	1200		600sq D400
			2	1.003	147.317	225			
E. 514924.542	1.833								
N. 222410.346			0	1.004	147.317	225			
S4	150.170		1	2.002	147.387	225	1350		600sq D400
			2	3.001	148.870	100			
			3	4.001	148.870	100			
E. 514859.005	2.558								
N. 222443.513			0	1.003	147.387	225			
S5	150.600		1	3.000	149.300	100	1200		600sq B125
			2	2.001	149.300	100			
E. 514868.668	1.200								
N. 222463.096			0	2.002	149.175	225			
S1A	149.020	Air Trap	1	1.005	147.228	225	1200		600sq D400
E. 514937.740	1.660								
N. 222413.693			0	1.006	147.228	150			

Notes:

1. DO NOT SCALE FROM THIS DRAWING.
2. In case of any discrepancies in drawings, details or bills, refer to engineers for clarification: unilateral decisions by the Contractor will not be accepted.
3. This drawing is to be read in conjunction with all related Architects, Consultants & Sub-Contractors drawings and specifications.
4. The Contractor is advised that all design drawings and information are to be read concurrently and any discrepancies or omissions reported directly to Chiltern Design Ltd
5. This drawing is based upon the survey by ? reference ? dated ? provided in digital format.
6. Levels are based on OSBM located on? value?
7. The grid is of local origin.
8. The Contractor must check the levels of all existing drainage outfalls prior to construction to ensure the proposed drainage design may be achieved.
9. Sulphates exist on site, therefore all concrete to be in accordance with Class ___ of BRE Special Digest 1.
10. All external building dimensions are to be checked against the Architects drawings prior to any construction commencing.
11. All adoptable highway works to be in accordance with the Local Authorities Specifications.
12. Formation to road/hardstanding to be proof rolled and any soft spots in subgrade of road/Hardstanding areas are to be excavated and replaced with well compacted sub-base or free draining granular material to Department of Transport Specification for Highway Works Part 2' Table 6/1 Class 1 (General Granular Fill) and compacted in accordance with Table 6/4.
13. This drawing is not to be redistributed or reproduced without the permission of Chiltern Design Ltd or its clients.

Private Drainage Key:

	FOUL	STORM
Rodding Eye		
250ø Shallow Inspection Chamber (600mm deeper than associated plot FFL Unless notes otherwise)		
450ø Inspection Chamber		
Land Drain within Type C pavement		
Drainage Outlet		
Rainwater Pipe		
Drainage/Threshold Channel		
Trapped Road Gully		
Highway Drainage (Gully Lateral)		
Hydrobrake		H
PC Ring		
Combined Sewer		
PC Ring (Catchpit)		C
Threshold Channel (ACO Stepdrain) with no direct connection to drainage (outlet to terminate within paving sub-base)		
Extg Public Foul Water Sewer		

PRIVATE DRAINAGE NOTES

1. All private drainage works to be in accordance with Part H of the current Building Regulations and BS 8301.
2. All private drainage to be either:-
   PVCu to BS EN 1401-1 (BS 4660/5481) by Caradon, Marley or similar.

   The drainage design shown on this drawing has been based upon a PVCu drainage system.
3. RWP lateral connections are to be sized to suit RWP size as designed by specialist.
   Gully laterals to be sized to suit gully outlets.
   All other pipes are 110mm diameter unless noted otherwise.
4. Foundations adjacent to drain runs are to be constructed so that the difference between the formation level of the foundation and invert level of any drain must not exceed the horizontal distance minus 500mm.
5. Where foul and surface water sewers cross and there is less than 100mm clearance short lengths of both runs are to be encased in concrete.
6. All RWP, SVP and foul drainage positions are to be confirmed by the Architect.
7. Where RWPs are connected direct to drain, rodding access plates are to be provided.
8. For pipe bedding and backfill details refer to drawing number 1050-1104 & 1105

CHILTERN DESIGN
CONSULTING ENGINEERS
Chiltern Design Ltd, Incube Business Centre, 1 Brewers Hill Road, Dunstable, Bedfordshire, LU6 1AA, Tel: 01582 879640
E-mail: info@chilterndesign.co.uk, Web: www.chilterndesign.co.uk
Registered in England and Wales 7873044

Drawing Status
PRELIMINARY

Client
BLAKENEY ESTATES LLP

Rev.	Description	By	Date	Chk'd
P04	GF layouts added. Foul drainage completed.	MS	4.11.24	MS
P03	Attenuation relocated to carriageway. Pond rotate to avoid existing trees to be retained	MS	18.10.24	MS
P02	Attenuation amended to pond and crates. Swale added. Interceptor added	MS	1.10.24	MS

Project Title
BREACHWOOD GREEN
HERTFORDSHIRE

Drawing Title
SITE DRAINAGE

Date	AUG24	Checked DO	Checked ENG	Sheet Size
Drawn	MS	MS	MS	A1
Scale	1:200@A1			

Project No.	Drawing No.	Rev.
1050	1102	P04