



**SURVEY INFORMATION**  
 MK Surveys - 01908 565561  
 DRG NUMBER: 17523 - Sheets 1-12  
 DATE RECEIVED: 17/12/2014

**ARCHITECT SITE PLAN INFORMATION**  
 PRP Architects - 020 7653 3464  
 DRG NUMBER: AL6157C-3000/3100  
 DATE RECEIVED: 06/12/2016

**NOTES**

- All dimensions and levels are in metres unless otherwise noted
- This drawing is to be read in conjunction with the relevant Architect's/Engineer's drawings, specifications and CDM documentation
- This drawing has been produced electronically and may have been photo reduced or enlarged when copied. Work to figured dimensions only (DO NOT SCALE). All dimensions to be checked on site. Any errors or omissions to be reported to the engineer immediately.
- This drawing contains coloured lines / information that may not be clear if reproduced in black and white.

**Drainage Key**

**Sewers**

- Foul water drain (private/non adoptable)
- Surface water drain (private/non adoptable)
- Foul water sewer (Adoptable)
- Surface water sewer (Adoptable)
- Existing foul water sewer (Adopted)
- Existing surface water sewer (Adopted)
- Redundant sewer

**Chamber Key**

- Mini access chamber (mac) - 300mm<sup>2</sup>
- PPIC - 475mm<sup>2</sup> - CP = Catchpit
- P.C.C. units/brick \*
- Adoptable demarcation manhole within 1m of boundary \*
- Manhole  
Depth 1.25 to 1.5m \*  
Depth 1.55 to 3.0m \*

**General note**  
 (Refer to standard details & long sections for chamber sizes. Size may need to increase dependant on number of incoming pipes/size of incoming pipes)

- Surface water rodding eye
- Manhole reference number
- Rain water down pipe (roddable access)
- Soil vent pipe/soil stack
- Vented soil vent pipe/soil stack (minimum)
- RWP cellular discharge/collection unit
- Retaining wall
- Finished Floor Level (FFL)
- Block paving - Permeable
- Impermeable barrier
- Permeable paving baffle
- Service baffle
- Proposed filter drain (to cater for extreme storm events)
- Indicative location of fruit tree/bush
- Land drain adjacent to retaining wall
- Areas of proposed green roof
- Existing watercourse

**NOTE: ALL UNREFERENCED SURFACE WATER PIPEWORK TO BE 100mmØ UNLESS SHOWN OTHERWISE**

CID	SNH	TST	SUDS Feature amended. Outfall to river added, see drawing 85-1 for details	Date
C12	SNH	TST	SUDS Feature amended. Outfall to river added, see drawing 85-1 for details	02/05/17
C11	TST	RJW	Outlet to land drain to Plot 271 amended.	24/04/17
C10	SNH	RJW	Land drain added to Retaining wall adjacent to Plot 271. Road Right 3' no longer adopted.	18/04/17
C09	ATD	TST	Manhole Schedule updated as no longer adopted.	23/03/17
C08	NJ	TST	Rwp to plots 245 and 246 amended	09/03/17
C07	NJ	TST	SVP to 5 bed relocated. Yard gully added	02/02/17
C06	NJ	TST	Additional SVP locations added as clouded. Receiving chamber raised to suit.	12/01/17
C05	NJ	TST	SVP moved within 5 bed as clouded	12/12/16

Drawn by: [Signature]  
 Chk'd by: [Signature]  
 Comments: [Blank]  
 Date: [Blank]

**DRAWING TITLE**  
 Proposed Drainage Plan  
 Sheet 2/4

**PROJECT**  
 Phase 2  
 Bicester Eco Village  
 Bicester  
 Oxon

MANHOLE REF	INVERT LEVEL	COVER LEVEL	GRADE 1 in	PIPE Ø (mm)	LENGTH
F11B	83.375(2250)	87.00	62.10	100	19.0
F11-a	83.806	85.60	80	100	15.0
F11-b	83.993	84.65	80	100	12.5
F11-c	84.150	84.90			
F13A	85.298	88.00	65	100	35.5
F13-c	85.843	86.73	80	100	17.0
F13-d	86.055	86.70	39.5	100	23.5
F13-e	86.650	87.83	30	100	37.5
F13-f	87.900	88.70			
F13-c	85.843	86.73	80	100	2.5
F13-c1	85.874	86.76			
F11-a	83.806(OUT)	85.60	60	100	27.0
F11-d	85.700	86.45			
F13A	85.298(OUT)	88.00	6	100	3.0
F13g	87.566	88.60	6	100	17.0
F13h	87.850	88.60			
F12	83.337(225)	88.30	40.0	100	31.5
F12a	84.452	87.25	18.0	100	23.0
F12b	85.716	86.37	60	100	17.0
F12c	86.000	86.80			

**PPIC Invert Levels**

NO	IL
1	86.20
2	85.77
3	85.25
4	85.50
5	84.35
6	83.90
7	84.85
8	86.00
9	86.15
10	86.30
11	86.40
12	86.75
13	86.90
14	85.00
15	87.00
16	84.50
17	84.25
18	84.10
19	84.05
20	84.15
21	87.45
22	87.50
23	87.35
24	87.20
25	85.95
26	85.85
27	87.85
28	88.10
29	87.75
30	88.05
31	88.20
32	85.40
33	85.25
34	86.50

**Rain Water Harvesting Tank Schedule**

RWH REF	INVERT LEVEL	COVER LEVEL
31	85.200	86.30
31a	85.950	87.00
32	83.800	84.80
33	87.150	88.20
34	85.700	86.75
35	87.200	87.40
36	87.450	87.85
37	87.750	88.45
38	87.900	88.75
39	88.000	88.80
40	88.000	88.80
41	87.700	88.30
42	87.700	88.45
43	88.100	88.60
44	87.950	88.75
45	88.100	88.85
46	88.100	88.85
47	85.700	86.70
48	85.700	86.70

**Soakaway Table**

Key	Type	Dimension
[Symbol]	Type A	2m x 2m x 0.8m deep
[Symbol]	Type B	2m x 4m x 0.8m deep
[Symbol]	Type C	2m x 3m x 0.8m deep

Base of soakaways to puncture brush layer

**Area Key**

Area Key	Depth of Permeable Paving Sub-base
A	Refer to S38 drawing
B	350mm
C	450mm
D	500mm
E	1000mm

**DESIGNERS CDM NOTE - RESIDUAL RISKS NOT IDENTIFIED**

The design Engineer(s) has assessed this design as the scheme has been developed in order to identify if there are any residual risk hazards (i.e. unusual, unexpected, abnormal or difficult).

No residual risks have been identified for this scheme and therefore no entries were added to the risk register.

This statement assumes that a competent Contractor with the appropriate qualified staff will be employed for the works, and that they will be familiar with site wide construction risks and hazards that they can reasonably be expected to encounter as part of their work.

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DESIGNED BY: TST  
 DRAFTED BY: NJ  
 APPROVED BY: DJ

DATE: 03/02/2016  
 STATUS: **FOR CONSTRUCTION**  
**SUBJECT TO TECHNICAL APPROVAL**

SCALE: 1:250 @ A1  
 Scale bar: 0m, 4.25m, 12.5m

CLIENT: **Hill** **Infrastruct CS Ltd**

JOB NUMBER: 15-1859  
 DRAWING NUMBER: 03-2  
 REVISION: C12