



SURVEY INFORMATION
 MK Surveys - 01908 545561
 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: April 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)

Chamber Key

FW SW

- Mini access chamber (max) - 300mm²
- PPIC - 475mm² - 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 dependent on number of incoming pipes/size of incoming pipes.

Legend:

- Surface water rodding eye
- F1 Manhole reference number
- Rain water down pipe (roddable access)
- Soil vent pipe/soil stack
- Ventilated soil vent pipe/soil stack (minimum)
- RWP cellular discharge/collection unit
- Retaining wall

FFL
 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

PPIC Invert Levels

NO	IL
1	86.20
2	85.77
3	85.25
4	85.50
5	84.35
6	83.90
7	84.70
8	86.00
9	86.15
10	86.30
11	86.60
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

Rain Water Harvesting Tank Schedule

RWH REF	INVERT LEVEL	COVER LEVEL
31	85.300	86.25
32	84.000	84.85
33	87.150	88.20
34	85.700	86.65
35	87.200	87.60
36	87.450	87.85
37	87.750	88.45
38	86.000	88.75
39	88.000	88.80
40	86.000	88.80
41	87.700	88.40
42	87.700	88.40
43	86.100	88.70
44	87.950	88.75
45	86.100	88.90
46	86.100	88.90
47	85.700	86.70
48	85.700	86.70

NOTE: ALL UNREFERENCED SURFACE WATER PIPEWORK TO BE 100mm² UNLESS SHOWN OTHERWISE

Soakaway Table

Key	Type	Dimension
A	Type A	2m x 2m x 0.8m deep
B	Type B	2m x 4m x 0.8m deep
C	Type C	2m x 3m x 0.8m deep
D	Type D	1.5m x 2m x 0.8m deep

Base of soakaways to puncture brush layer

Foul Manhole Drainage Schedule

MANHOLE REF	INVERT LEVEL	COVER LEVEL	GRADE 1 in	PIPE Ø (mm)	LENGTH
F11A	85.201 (2550)	86.20			
F11-a	83.491	85.30	18.6	100	18.0
F11-b	83.941	84.65	40	100	15.0
F11-c	84.150	84.90	40	100	12.5
F13A	85.400	88.00			
F13-a	85.843	86.73	80	100	35.5
F13-d	86.055	86.70	80	100	17.0
F13-e	86.680	87.83	39.5	100	23.5
F13-f	87.900	88.70	30	100	37.5
F13c	85.843	86.73	80	100	2.5
F13a1	85.874	86.76	80	100	2.5
F11-a	83.491 (DU)	85.250(N)	40	100	27.0
F11-d	85.700	86.45	40	100	27.0
F13A	85.400 (DU)	87.068(N)	6	100	3.0
F13g	87.566	88.10	13.9	100	23.0
F13h	87.850	88.60	40	100	17.0
F12	83.549 (DU)	83.670 (DU)	80	100	31.5
F12a	84.063	87.25	13.9	100	23.0
F12b	85.716	86.37	40	100	17.0
F12c	86.000	86.80	40	100	17.0

To be confirmed prior to commencing works on site

Rev	Drawn by	Chk'd by	Comments	Date
P04	NJ	TST	Ventilated soil stacks added and impermeable barrier updated. Refer to revision clouds.	20/04/16
P03	NJ	TST	Updated in-line with revised architect and landscape information	04/05/16
P02	SNN	TST	ROAD 2A and ROAD 2A-CI amended. Proposed permeable paving updated to suit	06/04/16
P01	NJ	TST	Initial issue	03/02/16

DRAWING TITLE
Proposed Drainage Plan Sheet 2/4

PROJECT
Phase 2 Bicester Eco Village Bicester Oxon

DESIGNED BY TST
DRAWN BY NJ
APPROVED BY DJ

DATE 03/02/2016
STATUS **SUBJECT TO TECHNICAL APPROVAL**

SCALE 1:250 @ A1

CLIENT
Hill **Infrastruct CS Ltd**

JOB NUMBER 15-1859
DRAWING NUMBER 03-2
REVISION P04

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. unexpected, abnormal or difficult).

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

The Client must appoint a competent Contractor with the appropriate qualifications and experience for the works, and that they will be familiar with the site and any construction risks and hazards that may be encountered as part of their work.