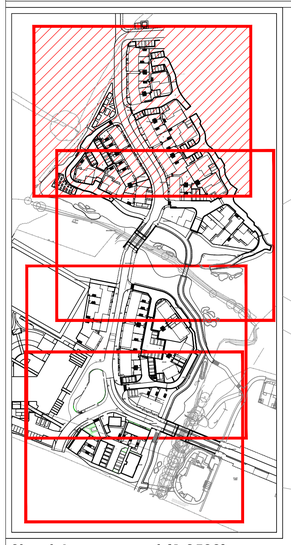
Foul Manhole Drainage Schedule		
MANHOLE REF	INVERT LEVEL	COVER LEVEL
F14A	87.306	88.64
F14b	87.800	88.85
F14c	88.100	88.85
F14d	87.850	88.82
F14e	88.200	89.00
F14f	88.000	89.16
F14g	88.425	89.20
F14h	88.500	89.25
F15A	87.009(150) 87.059(100)	89.25
F15b	88.225	89.19
F15c	88.400	89.25
F15b	88.225	89.19
F15d	88.300	89.14
F15A	87.009(150) 87.059(100)	89.25
F15e	87.891	89.15
F15f	88.250	89.00
F15A	87.009(150) 87.059(100)	89.25
F15g	88.883	89.55
F15h	89.100	90.00
F15i	89.275	90.00
F16a	89.400	90.22
F16b	89.600	90.45
F16c	89.700	90.45
	To be confirmed prior to commencing works on site	

GRADE 1 in	PIPE Ø (mm)	LENGTH
11.1	100	5.5
60	100	18.0
52.8	100	18.5
13	100	5.5
60	100	4.5
21	100	24.5
31.4	100	5.5
60	100	4.5
11.4	100	9.5
60	100	21.5
3.5	100	6.5
60	100	13.0
60	100	10.5
60	100	12.0
60	100	6.0



Sheet Arrangement (1:2500)

Rain Water Harvesting Tank Schedule		
RWH REF	INVERT LEVEL	COVER LEVEL
49	88.100	88.95
50	88.400	89.05
51	88.400	89.10
52	88.000	88.80
53	87.750	88.80
54	88.100	89.10
55	88.350	89.18
56	88.250	89.17
57	87.900	88.86
58	88.000	88.80
59	88.300	89.20
60	88.850	89.67
61	88.850	89.40
62	89.150	89.90
63	89.150	89.90
64	89.200	90.15
65	89.350	90.40
66	89.350	90.40

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
32	88.35
33	88.45
34	88.00
35	88.55
36	88.95
37	88.70
38	89.25
39	89.05
40	89.70
41	89.40

DESIGNERS CDM NOTE - RESIDUAL RISKS NOT IDENTIFIED

The design Engineer(s) have 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.

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

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: AL617C-3000/3100 DATE RECEIVED: April 2016

NOTES

1. All dimensions and levels are in metres unless otherwise noted
2. This drawing is to be read in conjunction with the relevant Architect's/Engineer's drawings, specifications and CDM documentation
3. This drawings 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.
4. 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 (mac) - 300mmØ*
		PPIC - 475mmØ* - CP = Catchpit
		P.C.C. units/brick *
DM	DM	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
- F1 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
- FFL XX.XX 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

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

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

Base of soakaways to puncture brash layer

Rev	Drawn by	Chk'd by	Comments	Date
P03	ATD	TST	Vented soil stacks added and Impermeable barriers. Refer to revision clouds.	20/06/16
P02	NJ	TST	Updated in-line with revised architect and landscape information	05/05/16
P01	NJ	TST	Initial issue	03/02/16

DRAWING TITLE
Proposed Drainage Plan
Sheet 1/4

PROJECT
Phase 2
Bicester Eco Village
Bicester
Oxon

DESIGNED BY	DRAFTED BY	APPROVED BY
TST	NJ	DJ

DATE 03/02/2016
STATUS **SUBJECT TO TECHNICAL APPROVAL**
SCALE 1:250 @ A1
Scale bar @ 1:250 (0m, 4.25m, 12.5m)

CLIENT
Hill

Infrastruct CS Ltd

JOB NUMBER 15-1859 DRAWING NUMBER 03-1 REVISION P03

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