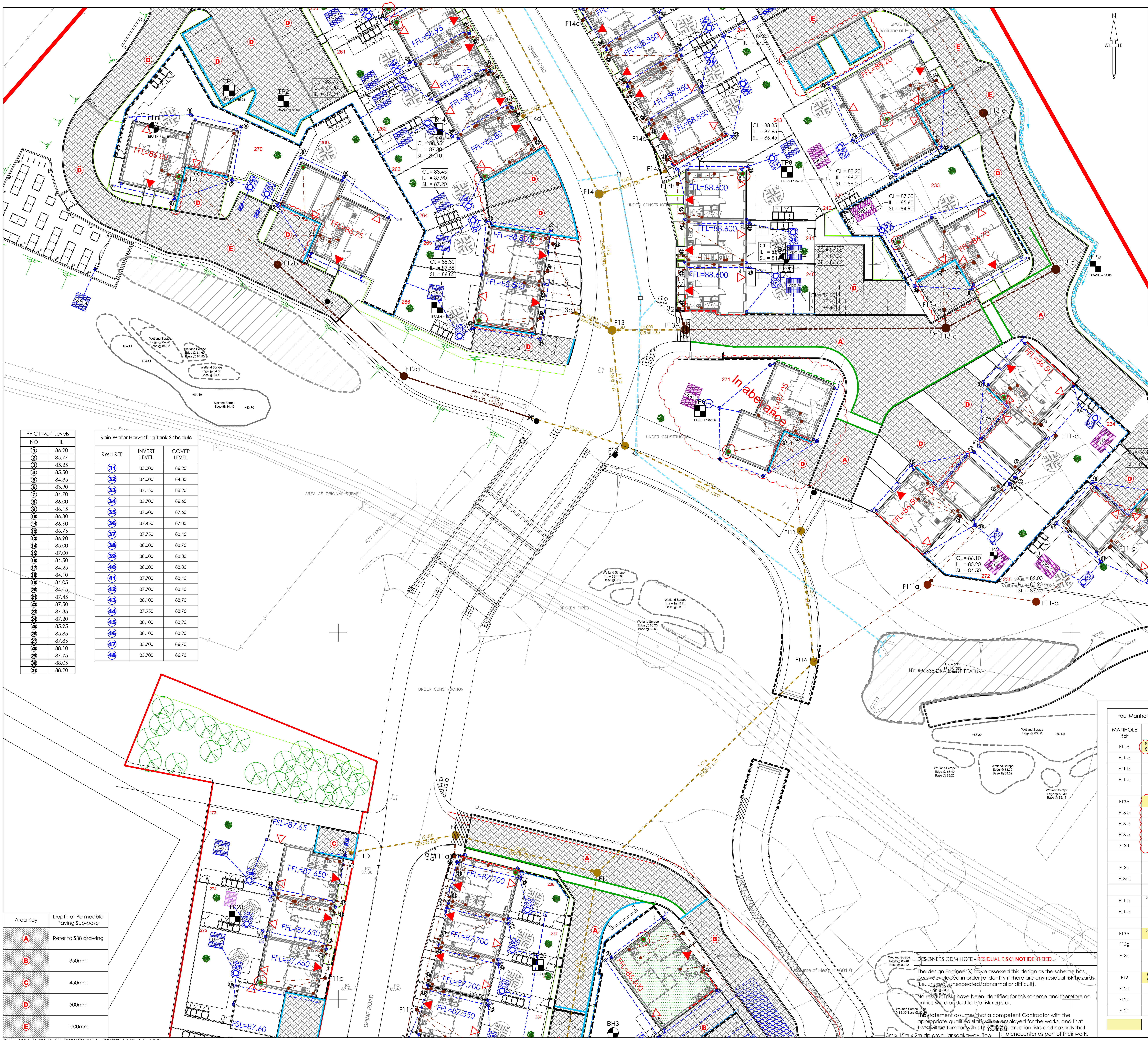

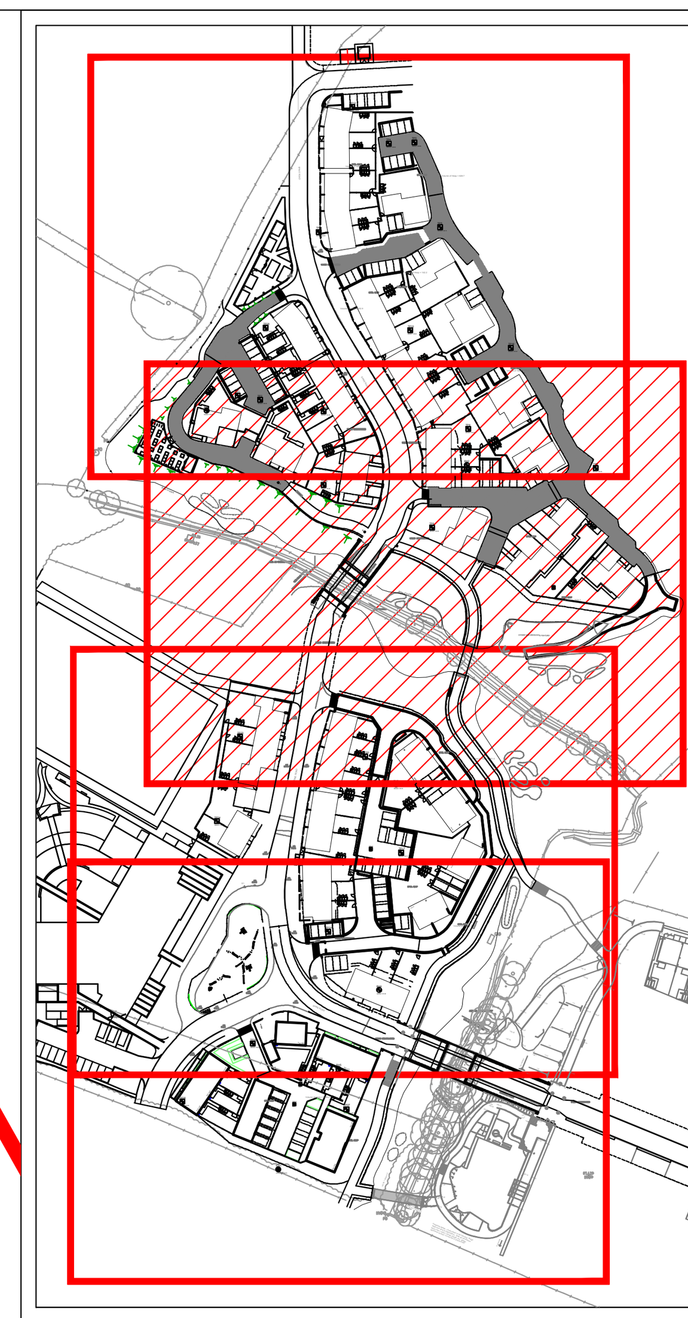

Sheet Arrangement (1:2500)

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: 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	
mac	mac	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)

RE	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
	Areas of proposed green roof

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

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	88.000	88.75
39	88.000	88.80
40	88.000	88.80
41	87.700	88.40
42	87.700	88.40
43	88.100	88.70
44	87.950	88.75
45	88.100	88.90
46	88.100	88.90
47	85.700	86.70
48	85.700	86.70

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

Foul Manhole Drainage Schedule

MANHOLE REF	INVERT LEVEL	COVER LEVEL	GRADE 1 in	PIPE Ø (mm)	LENGTH
F11A	82.601(225Ø) 82.726(100Ø)	86.20	18.6	100	18.0
F11-a	83.691	85.30	60	100	15.0
F11-b	83.941	84.65	60	100	12.5
F11-c	84.150	84.90			
F13A	85.400	88.00	80	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			
F13c	85.843	86.73	80	100	2.5
F13c1	85.874	86.76			
F11-a	83.691(OUT) 85.250(IN)	86.30	60	100	27.0
F11-d	85.700	86.45			
F13A	85.400(OUT) 87.066(IN)	88.00	6	100	3.0
F13g	87.566	88.10	60	100	17.0
F13h	87.850	88.60			
F12	83.545(225) 83.670(100)	88.30	80	100	31.5
F12a	84.063	87.25	13.9	100	23.0
F12b	85.716	86.37	60	100	17.0
F12c	86.000	86.80			

To be confirmed prior to commencing works on site

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 [illegible] to encounter as part of their work.

3m x 15m x 2m dp granular soakaway. Top [illegible]

Rev	Drawn by	Chk'd by	Comments	Date
P04	NJ	TST	Vented soil stacks added and impermeable barrier updated. Refer to revision clouds.	20/06/16
P03	NJ	TST	Updated in-line with revised architect and landscape information	04/05/16
P02	SNN	TST	ROAD 2A and ROAD 2A-GL 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 | DRAFTED BY NJ | APPROVED BY DJ

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

SCALE 1:250 @ A1 — 0m 6.25m 12.5m Scale bar @ 1:250

CLIENT
Hill
Infrastruct CS Ltd

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

Infrastruct CS Ltd: The Stables, High Cogges Farm, High Cogges, Witney, OX29 6UN - Tel: 01993 709709: info@infrastructs.co.uk: www.infrastructs.co.uk

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