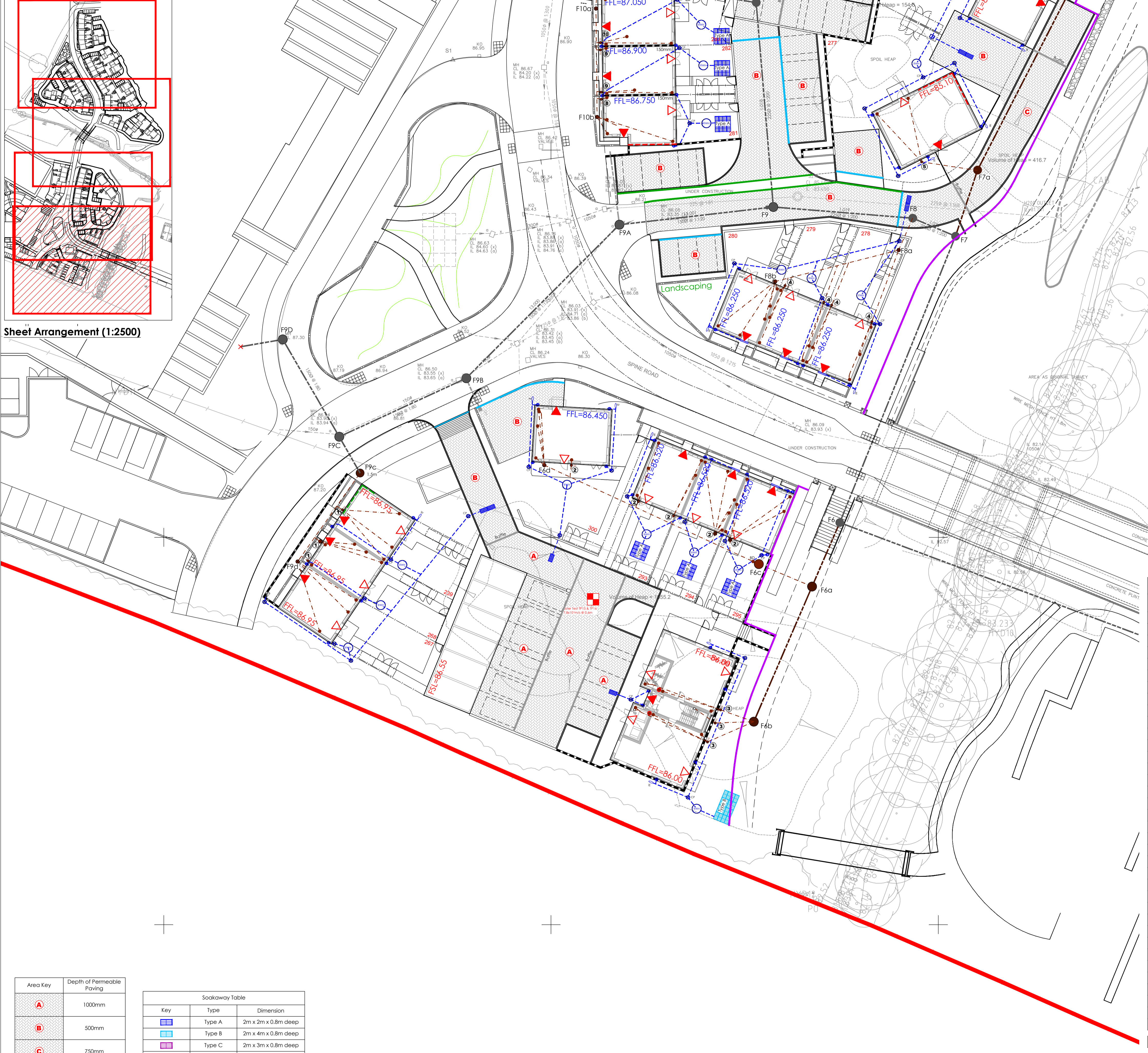


Sheet Arrangement (1:2500)



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.

- 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 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.
 - 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	Description
●	○	Mini access chamber (mac) - 300mmØ*
●	○	PPIC - 475mmØ* - 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
- 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)

Foul Manhole Drainage Schedule

MANHOLE REF	INVERT LEVEL	COVER LEVEL	GRADE 1 in	PIPE Ø (mm)	LENGTH
F6	81.585(225) 81.690(100)	85.30	10.8	100	9.0
F6a	82.525	84.00	40	100	19.0
F6b	83.000	83.70			
F6a	82.525	84.00	15.8	100	7.5
F6c	83.000(CU1) 84.937(BJ)	86.45	40	100	30.5
F6d	85.700	86.45			
F9c	83.900(150) 83.950(100)	87.00	2.9	100	5.5
F9c	85.850	87.15	40	100	14.0
F9d	86.200	86.95			
F8	81.924(225) 82.049(100)	84.98	2	100	4.5
F8a	84.262	85.15	20	100	16.5
F8b	85.500	86.25			
F7	81.894(225) 82.019(100)	85.00	7.7	100	9.0
F7a	83.184	84.77	40	100	29.0
F7b	83.909	84.70	25	100	12.0
F7c	84.389	85.15	30	100	9.5
F7d	84.706	85.550	23	100	24.0
F7e	85.750	86.850			
F10a	85.422	87.100	11.6	100	4.0
F10a	85.766	87.050	60	100	14.0
F10b	86.000	86.700			
F10a	85.422	87.100	15.4	100	20.5
F10c	86.750	87.500			
F11c	86.258	87.500	16.3	100	3.0
F11a	86.441	87.550	60	100	21.5
F11b	86.800	87.550			
F11d	86.500	87.580			
F11e	86.900	87.550	43.75	100	17.5

PPIC Invert Levels

NO	IL
1	86.20
2	85.77
3	83.20
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	86.95

POI	NJ	TST	Initial Issue	Date
				08/01/16

DRAWING TITLE
Proposed Drainage Plan
Sheet 4/4

PROJECT
Phase 2
Bicester Eco Village
Bicester
Oxon

DESIGNED BY	DRAFTED BY	APPROVED BY
TST	NJ	DJ

DATE: 08/01/2016

STATUS: **SUBJECT TO TECHNICAL APPROVAL**

SCALE: 1:250 @ A1

Scale bar @ 1:250

CLIENT

JOB NUMBER	DRAWING NUMBER	REVISION
15-1859	03-4	P01

Area Key

Area Key	Depth of Permeable Paving
A	1000mm
B	500mm
C	750mm

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