

MANHOLE REF	INVERT LEVEL	COVER LEVEL	GRADE 1 in	PIPE Ø (mm)	LENGTH
F6	81.545(225)	85.30			
F6a	82.525	84.05	10.8	100	9.0
F6c	83.000(OUT)	86.47	15.8	100	7.5
F6d	85.700	86.45	40	100	30.5
F6e	83.000(OUT)	86.47	80	100	14.5
F6f	85.025	86.00	60	100	13.5
F6g	85.250	86.00			
F9C	83.810(150)	87.00	2.95	100	5.5
F9c	83.860(100)	87.00			
F9c	85.725	87.15	40	100	19.0
F9d	86.200	86.95			
F8	81.924(225)	84.98	10	100	4.5
F8a	84.675	85.15	20	100	16.5
F8b	85.500	86.25			
F7	81.894(OUT)	85.00			
F7a	83.184	84.77	40	100	9.0
F7b	83.909	84.70	40	100	29.0
F7c	84.398	85.15	24.5	100	12.0
F7d	84.992	85.50	16	100	9.5
F7e	85.850	86.700	25	100	21.5
F10A	85.422	87.100	9.4	100	3.0
F10a	85.741	87.050	60	100	15.5
F10b	86.000	86.700			
F10A	85.422(OUT)	87.100			
F10c	86.420(100)	87.100	60.0	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	43.75	100	17.5
F11e	86.900	87.550			

RWH REF	INVERT LEVEL	COVER LEVEL
1	86.150	86.90
2	86.150	86.90
3	86.150	86.90
4	85.700	86.40
5	85.680	86.45
6	85.680	86.45
7	85.680	86.45
8	84.840	85.95
9	85.100	85.80
10	85.100	85.65
11	85.100	85.50
12	86.100	86.45
13	86.100	86.55
14	86.050	87.00
15	86.500	87.30
16	86.850	87.45
17	86.550	87.45
18	86.450	87.50
19	86.850	87.65
20	86.850	87.65
21	86.850	87.65
22	86.550	87.30
23	86.550	87.30
24	86.550	87.60
25	86.850	87.53
26	86.850	87.45
27	84.150	85.00
28	84.050	84.60
29	84.900	85.75
30	85.400	86.55



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.

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

- 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 have 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

---	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 *

Area Key

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

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 ridding 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

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
 Linear drainage channel

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 brush layer

PO5	NJ	TST	Notes	Date
PO5	NJ	TST	Vented soil stacks, impermeable barriers and drainage channel added. Refer to revision clouds.	20/06/16
PO4	NJ	TST	Plot 277 drainage amended. RWH Tank No.27 Invert Level revised. Refer to clouded areas.	06/05/16
PO3	NJ	TST	Updated in-line with revised architect and landscape information	29/04/16
PO2	SNN	TST	ROAD 2A and ROAD 2A-GL amended. Proposed permeable paving updated to suit	06/04/16
PO1	NJ	TST	Initial issue	08/01/16

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DRAWING TITLE
 Proposed Drainage Plan
 Sheet 3/4

PROJECT
 Phase 2
 Bicester Eco Village
 Bicester
 Oxon

DESIGNED BY TST	DRAFTED BY NJ	APPROVED BY DJ
DATE 08/01/2016	STATUS SUBJECT TO TECHNICAL APPROVAL	
SCALE 1:250 @ A1	Scale bar @ 1:250 0m 4.25m 12.5m	

CLIENT

Hill **Infrastruc CS Ltd**

JOB NUMBER 15-1859 **DRAWING NUMBER** 03-3 **REVISION** P05

Sheet Arrangement (1:2500)