



Baffle to prevent rapid
through flow of water
Permeable Asphalt

Proposed Pumping Station
(Supplier, storage and
design TBC)

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Electricity supply required

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Foul Water Network							Pipe Dia (mm)	Length (m)
Manhole Reference	Invert Level (m)	Cover Level (m)	Depth (m)	Chamber Details	Cover Loading			
PUMP	3.700	5.65	1.95	Pump	D400	Grade 1	150	28
F1	3.980	5.65	1.67	1200mm P.C.C.	B125	100.0	150	18.5
F2	4.165	5.65	1.49	900 x 1200mm I.C.	B125	100.0	150	26
F3	4.425	5.65	1.23	450 x 600mm I.C.	A15	80.0	150	26
F4	4.663	5.65	0.99	PPIC	A15	60.0	150	19
F5	4.829	5.67	0.84	PPIC	A15			
PUMP	3.700	5.65	1.95	Pump	D400	100.0	150	26
F6	3.960	5.65	1.69	1200mm P.C.C.	D400	100.0	150	44
F7	4.400	5.65	1.25	450 x 600mm I.C.	A15	60.0	150	16
F8	4.667	5.65	0.98	PPIC	A15			
PUMP	3.867	5.65	1.78	Pump	D400	35.6	150	18
F9	4.267	5.65	1.38	450 x 600mm I.C.	A15	80.0	150	14.5
F10	4.448	5.65	1.20	PPIC	A15	80.0	150	11.5
F11	4.592	5.65	1.06	PPIC	A15			

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 figure 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.
5. Digital copies of this plan can only be considered accurate if supplied directly by Infrastructure CS Ltd.

Construction Note
It is essential that new drainage associated with the development is laid from the outfall(s) into the site. This is essential to avoid unforeseen obstructions where encountered (such as services). If the drainage is laid from the site out to the outfall it can result in significant abortive works to relay and overcome such obstructions.

Location of Public Sewers have been taken from record drawings which should be fully substantiated by the contractor prior to commencing works on site

Sewers

- | | |
|---|---|
|  | Foul water drain (private/non adoptable) |
|  | Surface water drain (private/non adoptable) |
|  | Surface water sewer (Adoptable) |
|  | Foul water sewer (Adoptable) |
|  | Surface Water rising main |
|  | Foul rising main |
|  | Existing foul water sewer (Adopted) |

FW S

- | | | |
|---|---|---|
|  |  | Mini access chamber [mac] - 300mmØ * |
|  |  | PPIC - 475mmØ * |
|  |  | 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) |
|  ST | Silt Trap (ST) with removable silt bucket |
|  | Soil vent pipe/soil stack |
| RG  | Road gully (trapped) D400 |
|  | Linear drainage channel |
|  | Cellular storage (refer to drawing for sizes) |

- | | |
|---|---|
|  | Overland Flows Route |
| | Tree root protection zone (RPZ) |
|  | Baffle to prevent rapid through flow of water through permeable Surfacing |
|  | Approximate Extent of Green Roof |

P12	NJ	TST	Storage tank amended to avoid flotation issues, cover level to float chambers amended	20/04/21
P11	NJ	TST	Drainage system amended following high groundwater readings	10/03/21
P10	NJ	TST	Soakaway F added	17/02/21
P09	NJ	TST	Permeable note amended by Soakaway E	16/02/21
P08	NJ	TST	Pipe information added to surface water design. Additional notes added	29/01/21
P07	NJ	TST	Drainage design updated	14/01/21
P06	NJ	TST	Legal site boundary amended	19/11/20
P05	NJ	TST	Rising main re-routed. On-site storage tank added	23/10/20

DRAWING TITLE
Proposed Drainage Strategy

PROJECT
Bairds Care Home
Littlehampton
Sussex

CLIENT

 BRACKLEY

SCALE @ A1

As Noted

PROJECT NUM.

2868

PROJECT	ORIGIN	PHASE	LEVEL	TYPE	ROLE	DWG NO	REVISION
BCH	ICS	01	XX	DR	C	003	P12

ENGINEER

MBD
DRAFT

NJ

TST

WG NO	REVISION
003	P12