

General Notes

1. For Notes refer to drawing no.
15084-TUL-XX-ZZ-DR-C-91001

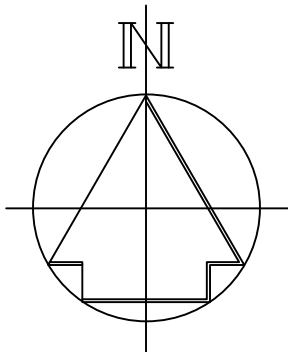


Table A - SVP/SS Below SLAB Invert Levels

Building	Building Drainage Invert Level (mm below FFL) UNO	
	Rest Bend	Unreferenced External Inspection Chamber
Plots 1 to 4	550 [TBC]	800 [TBC]
Plot 5	700 [TBC]	1150 [TBC]

E	29.04.26	Minor amendments to design flow rates for Hydrobrakes S3FC, S5FC & S7FC.	PAJT	
D	24.04.26	Bund and gabion baskets added to rear of Plot 5 to store/direct SW exceedance flows. Pipe direction flow arrows added.	PAJT	
C	14.04.26	FW and SW relocated out of carriageway where possible. SW Tanks A, B & C reoriented to suit. Drainage amended to suit reconfigured Plot 5 and turning head layout. SW Tank D, flow control and downstream defender relocated to rear garden of Plot 5. SW pump to rear of Plot 5 relocated and amended to serve as final pumped outfall from entire site. SW Tank D volume increased to suit. Services zone amended.	PAJT	
B	18.02.26	Minor amendments to Client comments.	PAJT	
A	19.04.24	First Issue.	PAJT	
Rev	Date	Description	By	Ckd

PRELIMINARY

SUITABILITY
CODE
S3

CLIENT

Earlswood
Homes

Tullys

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PROJECT
Little Winton
Keymer Road, Burgess Hill

DRAWING TITLE

Drainage Layout

Originator No 15084	Scale 1:200@A1	Revision E
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PROJECT - ORIGINATOR - VOLUME - LEVEL - TYPE - ROLE - NUMBER

15084-TUL-XX-XX-DR-C-51001

Soft landscaped bund to provide 350mm max depth (approx 6m²) of exceedance ponding and to direct other exceedance flows overland to the north into an area of dense woodland. Bund be 500mm high above base level 51.00mAOD on eastern side, giving top level 51.50mAOD generally with lower section at northern end at 50.35mAOD to act as a weir overflow for exceedance flows. Base level of bund varies 50.00-50.35 on western side. Max 1 in 3 side slopes. Gabion baskets with top level 50.50mAOD to accommodate level difference in north-west corner.

SW pumped outfall to connect to adopted manhole at TQ31186450 via pumped main and a new offset manhole with final gravity connection. Details to be confirmed following receipt of Southern Water's offsite Section 98 Sewer Requisition design.

MH S100 PUMP
Pump rate = 1.0 to 1.1 l/s
GRP chamber = 18000 x 3000 deep
Surround = 300 thick 35N/mm² concrete
No. of pumps = Two (duty/standby)
Impeller = Vortex
CL = 51.500
Top chamber = 51.050
50mmOD PE80 SDR11 pumped outlet IL = 50.050
1000 gravity inlet from S11 = 48.925
Base chamber = 48.050
Pumped outfall IL = 52.650 [tbc by SWS]
Horiz length pumped main = 100m approx [tbc by SWS]
Refer also to Willow Pumps quote WQ34956 Rev A dated 26-04-2026

MH F100 PUMP
Pump rate = 3.8 to 4.5 l/s (to offsite FW sewer)
GRP chamber = 15000 x 2000 deep
Surround = 300 thick 35N/mm² concrete
No. of pumps = Two (duty/standby)
Impeller = Vortex
24 hr emergency storage = min 0.75m³
(5No. people @150 l/p/day)
CL = 52.475
Top chamber = 52.175
Max emergency water level = 51.725
90mmOD PE100 SDR17 pumped outlet IL = 51.275
1000 gravity inlet from F81 = 51.175
Normal max water level = 51.175
Base chamber = 50.175
Pumped outfall IL @ F101 = 54.225
Horiz length pumped main = 15m approx
Refer also to Willow Pumps quote WQ34956 Rev A dated 28-04-2026

SW Tank D
Wavin Aquacell Core-R units
generally with a single width, single height row of Aquacell Plus-R units aligned with the main inlet/outlet
Size 4x7.5x1.2m deep
Vol 34m³
LP 51.350
GL 51.350 to 52.425
Top 50.350
Base 49.150

MH F5 PUMP
Pump rate = 3.8 to 4.5 l/s (to pump chamber F100)
GRP chamber = 21000 x 2500 deep
Surround = 300 thick 35N/mm² concrete plus 2100x2100x200 deep RC cover (2 layers A3923 mesh)
No. of pumps = Two (duty/standby)
Impeller = Vortex
24 hr emergency storage = min 3.15m³
(21 No. people @150 l/p/day)
CL = 55.400
Top chamber = 54.950
Max emergency water level = 54.500
90mmOD PE100 SDR17 pumped outlet IL = 53.950
1000 gravity inlet from F4 = 53.750
Normal max water level = 53.450
Base chamber = 52.450
Pumped outfall IL @ F6 = 61.300
Horiz length pumped main = 75m approx
Refer also to Willow Pumps quote WQ34956 Rev A dated 28-04-2026

SW Tank C
Wavin Aquacell Core-R units
generally with a single width, single height row of Aquacell Plus-R units aligned with the main inlet/outlet
Size 6.5x7.0x1.2m deep
Vol 52m³
LP 56.000
GL 56.400 to 57.700
Top 55.300
Base 54.100

SW Tank B
Wavin Aquacell Core-R units
generally with a single width, single height row of Aquacell Plus-R units aligned with the main inlet/outlet
Size 6.5x6.0x1.2m deep
Vol 44m³
LP 57.500
GL 58.200 to 59.250
Top 57.100
Base 55.900

SW Tank A
Wavin Aquacell Core-R units
generally with a single width, single height row of Aquacell Plus-R units aligned with the main inlet/outlet
Size 6.5x6.0x1.2m deep
Vol 44m³
LP 59.900
GL 59.925 to 61.100
Top 58.825
Base 57.625

LEGEND

Adoptable Drainage

Existing Chamber to be Retained

PC Ring Manhole

Private Drainage

Existing Chamber to be Retained

PC Ring Manhole

PC Ring Manhole
with External Vertical Backdrop

PC Ring Catchpit

Foul

S.W.

Foul

S.W.

Private Drainage

PC Ring Manhole - Flow Control Chamber

Pump Chamber with Pumped Main Outlet
and Control Kiosk

Pumped Main

Polypropylene Inspection Chamber
(PPIC/DNIC)

PPIC/DNIC with External Backdrop

SVP/SS

Bin Store / Cycle Store /
Plant Room Gully

Foul

S.W.

Kiosk

BD

9

Kiosk

BD

BD

Private Drainage

Drive / Yard Gully

Road Gully

Rodding Eye

RWP Downpipe

Drainage Channel

Drainage Channel with Sump Unit Outlet

Geocellular Attenuation Units

S.W.

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Other

Site Boundary

Retaining Structure - Masonry/Other

Retaining Structure - Gabion

Garden Landscaping Feature by Others
(Timber, max 550mm level difference)

Gravel Board

Services Zone (indicative - tbc)

Existing Tree RPZ

9

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