Contractors must verify all dimensions on site before commencing any work or making any shop drawings: no dimensions are to be scaled from the drawing.
All materials specified on this drawings are to be used strictly in accordance with the manufacturers recommendations and current codes of practise.

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TENDER

1. Existing drains to be relaid and connected into proposed foul and surface water drains.
2. cover levels are approximate only. To be determined on site.
3. Drainae under building to be 150mm concrete bed and surround with flexicell joint every pipe joint/2m.
4. Size of soakaway to be determined/confirmed once additional soakaway tests are carried out and percolation rates known.
5. Manhole covers inside te building to have double seal cover to prevent smells.
6. Surface water downpipes to discharge into a trapped gully.
7. Manhole covers in car parking areas to be B125 solid top covers (Medium duty ductile Iron manufactured to BS:EN 124 Class B125). Manhole covers in pedestrian areas to be A15 Solid top covers (Light duty Cast Iron manufactured to BS:EN 124 Class A15).



HEALTH & SAFETY RESTRICTION

AREA OF CAR PARK TO BE USED BY CARS ONLY. POLYSTORM STORAGE CELLS ONLY SUITABLE FOR CAR PARK AREAS.
NO ACCESS FOR HEAVY GOODS VEHICLES.

Surface Water Drainage

Description	Upstream Manhole No	Cover Level (m)	Invert Level (m)	Depth (m)	Downstream Manhole No	Cover Level (m)	Invert Level (m)	Depth (m)	Difference in Level (m)	Distance (m)	Pipe Size – Dia (mm)	Gradient 1: ?
Surface Water Drainage	SWMH 01	4.585 approx	4.160	0.425	SWMH 02	4.585 approx	4.060	0.525	0.100	10.0	100	1 : 100
	SWMH 02	4.585 approx	4.060	0.525	SWMH 03	4.585 approx	3.885	0.700	0.175	17.5	100	1 : 100
	SWMH 03	4.585 approx	3.885	0.700	SWMH 05	4.585 approx	3.785	0.800	0.100	10.0	100	1 : 100
	SWMH 04	4.585 approx	3.835	0.750	SWMH 05	4.585 approx	3.785	0.800	0.050	5.0	100	1 : 100
	SWMH 05	4.585 approx	3.785	0.800	Soakaway	G.L = 4.585 approx top level of soakaway = 3.900m. base lewel of soakaway = 3.50m	3.750	0.835	0.035	1.0	100	1 : 28.6
	Soakaway	4.585 approx	3.900	0.685	FWMH 02 Overflow	4.585	3.860	0.725	0.040	3.0	100	1 : 75

Foul Water Drainage

Description	Upstream Manhole No	Cover Level (m)	Invert Level (m)	Depth (m)	Downstream Manhole No	Cover Level (m)	Invert Level (m)	Depth (m)	Difference in Level (m)	Distance (m)	Pipe Size – Dia (mm)	Gradient 1: ?
Foul Water Drainage	FWMH 01	4.585 approx	4.050	0.535	FWMH 02	4.585 approx	3.860	0.725	0.190	7.5	100	1 : 39.5
	FWMH 02	4.585 approx	3.860	0.725	FWMH 03	4.585 approx	3.680	0.905	0.180	14.5	100	1 : 80.6
	FWMH 03	4.585 approx	3.680	0.905	FWMH 04	4.585 approx	3.650	0.935	0.030	2.5	100	1 : 83.3
	FWMH 04	4.585 approx	3.650	0.935	FWMH 05	4.585 approx	3.535	1.050	0.115	5.0	100	1 : 43.50
	FWMH 05	4.585 approx	3.535	1.05	FWMH 06 Existing	4.430 approx	3.500	0.930	0.035	1.5	100	1 : 42.9

rev	date	rev notes	drn	chk
B	030418	Additional details amended	EC	RG
A	280318	Additional details added	EC	RG

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Genesis Residential Care Home

PROJECT: Proposed Extension

TITLE: Drainage Strategy

DWG NO: 438-A-206 REV: B DRN: EC CHK: GF

SCALE @ A1: 1:100 @ A1 DATE: January 2017