

DESIGNERS CDM NOTE - RESIDUAL RISKS IDENTIFIED

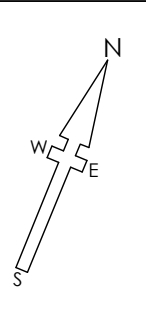
The Design Engineer(s) have analysed this design as the scheme has been developed. In order to identify if there are any significant residual risk hazards (i.e. unusual, unexpected, abnormal or difficult).

Residual risks **HAVE** been identified and are therefore shown on this drawing. These risks have not been possible to remove by design.

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.

BURIED UTILITIES RISK NOTE

- Buried utilities are present on and in the vicinity of the site.
- The Contractor must satisfy themselves that they have seen utility returns for the area and that appropriate Risk Assessment Method Statement (RAMS) are in place and implemented to ensure that buried and/or overhead services are located prior to any works taking place.
- Any RAMS shall address safe procedures for protection and working in the proximity of services.



RESIDUAL RISK ITEM
OVERHEAD CABLES

Hardstanding areas formed in Permeable Asphalt & Block Paving, based on infiltration rate of 6.58x10⁻³m/s. Minimum OGCR Subbase 300mm

Baffle to prevent rapid through flow of water in Permeable Asphalt

Proposed Pumping Station (Supplier, storage and design TBC)

Permeable paving sub-base linked to top of cellular soakaway. Sub base within hatched area to extend down to 4.70m

Depth of Groundwater 3.29m AOD (08/10/20) 4.03m AOD (05/11/20) 4.59m AOD (27/11/20)

Depth of Groundwater 3.17m AOD (08/10/20) 4.03m AOD (05/11/20) 4.59m AOD (27/11/20)

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4.5m x 1.5m diameter storage tank to provide 24 hour storage

Area 310m²

Area 293m²

Area 668m²

Area 230m²

Area 565m²

Area 383m²

Area 230m²

Area 230m²

Area 310m²

Area 293m²

Area 668m²

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Area 230m²

Surface Water Network					Grade	Pipe DIA (mm)	Length (m)
Manhole Reference	Invert Level (m)	Cover Level (m)	Depth (m)	Chamber Details			
Soakaway A	4.550	5.30	0.75	Cellular Soakaway	-		
S1	4.560	5.30	0.74	PPIC S/T	A15	100.0	150
S2	4.600	5.30	0.70	PPIC	A15	100.0	150
S3	4.780	5.30	0.52	PPIC	A15	100.0	150
S4	4.560	5.30	0.74	PPIC S/T	A15	100.0	150
S5	4.600	5.30	0.70	PPIC	A15	100.0	150
S6	4.750	5.30	0.55	PPIC	A15	100.0	150
S7	4.635	5.30	0.67	PPIC S/T	A15	100.0	150
S8	4.755	5.30	0.55	PPIC	A15	100.0	150
S9	4.635	5.30	0.67	PPIC S/T	A15	100.0	150
S10	4.725	5.30	0.58	PPIC	A15	100.0	150
S11	4.725	5.30	0.58	PPIC	A15	100.0	150
S12	4.600	5.30	0.70	PPIC S/T	A15	100.0	150
S13	4.710	5.30	0.59	PPIC	A15	100.0	150
S14	4.825	5.30	0.48	Rad. Eye	A15	100.0	150
S15	4.450	5.30	0.85	Cellular Soakaway	-	150.0	225
S16	4.500	5.30	0.80	PPIC S/T	A15	150.0	225
S17	4.627	5.30	0.67	PPIC	A15	150.0	225
S18	4.773	5.30	0.53	Rad. Eye	A15	150.0	225
S19	4.450	5.30	0.85	Cellular Soakaway	-	100.0	150
S20	4.565	5.30	0.74	PPIC S/T	A15	100.0	150
S21	4.685	5.30	0.62	PPIC	A15	100.0	150
S22	4.885	5.30	0.42	PPIC	A15	100.0	150
S23	4.300	5.35	1.05	Cellular Soakaway	-	100.0	150
S24	4.350	5.60	1.25	10500 PCC C/P	D400	100.0	150
S25	4.575	5.30	0.73	PPIC	A15	100.0	150
S26	4.690	5.30	0.61	Rad. Eye	A15	100.0	150
S27	4.350	5.60	1.25	10500 PCC C/P	D400	100.0	150
S28	4.575	5.30	0.73	450 x 600mm L.C.	A15	100.0	150
S29	4.300	5.35	1.05	Cellular Soakaway	-	100.0	150
S30	4.340	5.30	0.96	10500 PCC C/P	B125	100.0	150
S31	4.415	5.30	0.89	PPIC	A15	100.0	150

Foul Water Network					Grade	Pipe DIA (mm)	Length (m)
Manhole Reference	Invert Level (m)	Cover Level (m)	Depth (m)	Chamber Details			
PUMP	3.471	5.60	2.13	Pump	D400		
F1	3.751	5.30	1.55	12000 PCC	B125	100.0	150
F2	3.936	5.30	1.36	800 x 1200mm L.C.	B125	100.0	150
F3	4.196	5.30	1.10	450 x 600mm L.C.	A15	100.0	150
F4	4.434	5.30	0.87	PPIC	A15	80.0	150
F5	4.600	5.35	0.75	PPIC	A15	60.0	150
PUMP	3.633	5.60	1.97	Pump	D400		
F6	3.893	5.30	1.41	12000 PCC	D400	100.0	150
F7	4.333	5.30	0.97	450 x 600mm L.C.	A15	60.0	150
F8	4.600	5.30	0.70	PPIC	A15	80.0	150
PUMP	3.867	5.60	1.73	Pump	D400		
F9	4.278	5.30	1.02	450 x 600mm L.C.	A15	45.0	150
F10	4.422	5.30	0.88	PPIC	A15	80.0	150
F11	4.566	5.30	0.73	PPIC	A15	80.0	150

Soakaway Table			
REFERENCE	SIZE	COVER LEVEL	INVERT LEVEL
A	8m x 9m x 0.4m	5.30	4.550
B	10m x 11m x 0.4m	5.30	4.550
C	2m x 20m x 0.4m	5.30	4.450
D	5m x 10m x 0.4m	5.30	4.550
E	10m x 12m x 0.4m	5.35	4.300
F	6m x 5m x 0.4m	5.50	4.700

Note
All crates to be Wavin Aquacell Core-R or similar approved

Survey Company info here
DRG NUMBER: DATE RECEIVED:
Hunters
DRG NUMBER: M9316-HUN-ZZ-SL-DR-A-03-0010 D DATE RECEIVED: 07.09.2020

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
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