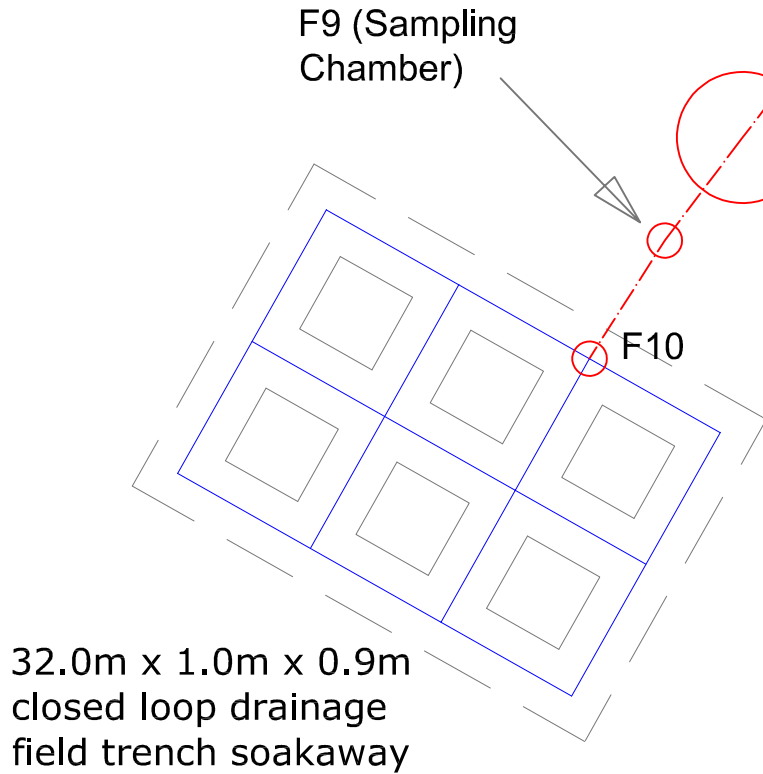


- Notes:
1. The Contractor should check all heights, sizes and dimensions on site before works commence and any errors should be reported to Woodsyde Developments Limited.
 2. Figured dimensions shall take preference to scaling, with any errors reported to Woodsyde Developments Ltd.
 3. The finished levels shall be finalised and agreed with the Architect prior to commencement of works on-site.
 4. Site porosity tests have been carried out in accordance with Digest 365 and these indicate that the site has satisfactory porosity for the use of soakaways. Further porosity tests should be undertaken prior to construction to confirm final designs.
 5. The surface water drainage soakaways shall be constructed using a Stone Trench Arrangement. The surface water soakaways shall be laid and surrounded by a terram membrane or similar. The soakaway has been designed for a 1 in 100 year event + 40% climate change.
 6. All manholes prior to entering a soakaway is to be provided as a catchpit with a minimum 500mm sump to collect all silts and deleterious material.
 7. All driveways and parking spaces to be provided with a permeable stone finish.
 8. The size of the sewage treatment packages have been calculated in accordance with Flows and Loads 4 and based on the following figures:
4 bed - 6 person
Total - 6 persons (adjusted in accordance with Flows and Loads 4 to balance flows)
 9. The WPL DMS2-Sewage Treatment Plant or similar approved shall be installed strictly in accordance with manufacturers recommendations. Size 1.74m diameter.
 10. The proposed soakaway to the sewage treatment plant shall be a closed loop of 110mm rigid perforated drain and laid in trenches on top of min 300mm of 20-50mm size gravel. The soakaway trenches shall be lined and surrounded in a terram membrane or similar.
 11. A sampling chamber shall be installed between the treatment plant and the soakaway drainfield. The soakaway drainfield for the dwellings shall be minimum 31.7sq.m in accordance with Building Regulations Part H (Vp from site assessment: 19).
 12. Trench Area: $A = p \times Vp \times 0.25 = 28.5\text{sq.m}$
(p = no. of persons, Vp = percolation value).
 13. Assume 900mm wide drainage trench, then 28.5sq.m divide 0.9 = 31.7 linear metres.
 14. All foul water drainage will be 100mmØ unless otherwise stated.
 15. All proposed surface water drainage will be 100mmØ unless otherwise stated.
 16. The domestic foul water drainage to be a minimum gradient of 1:80 unless otherwise stated.
 17. The domestic surface water drainage to be laid at a minimum gradient of 1:80.

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32.0m x 1.0m x 0.9m closed loop drainage field trench soakaway

WPL Diamond DMS2
CL 96.000
IL 95.370 (in)
IL 95.270 (out)

FOUL WATER MANHOLE SCHEDULE

M.H.	COVER	INVERT	DEPTH	SIZE
F1	97.650	97.050	0.600m	320Ø
F2	97.650	96.995	0.655m	460Ø
F3	97.650	96.703	0.947m	460Ø
F4	97.650	96.927	0.723m	460Ø
F5	97.650	96.983	0.667m	460Ø
F6	97.650	97.041	0.609m	460Ø
F7	97.650	97.050	0.600m	320Ø
F8	96.000	95.400	0.600m	320Ø
F9	96.000	95.248	0.752m	460Ø
F10	96.000	95.224	0.776m	460Ø

SURFACE WATER MANHOLE SCHEDULE

M.H.	COVER	INVERT	DEPTH	SIZE
S1	97.650	97.150	0.500m	320Ø
S2	97.650	97.150	0.500m	320Ø
S3	97.100	96.600	0.500m	320Ø

9.5m(L) x 1.5m(W) x 0.8m(D) Stone Trench Soakaway

Woodsyde Developments Ltd

Project:
Proposed Residential Development on Land
Adjacent The Cottage, Garth

Client:
Ms B Roberts

Drawing Title:
Drainage Layout Plan

Scale:
1:100 @ A3

Drawing No:
TC-GA-302

Date:
August 2022

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