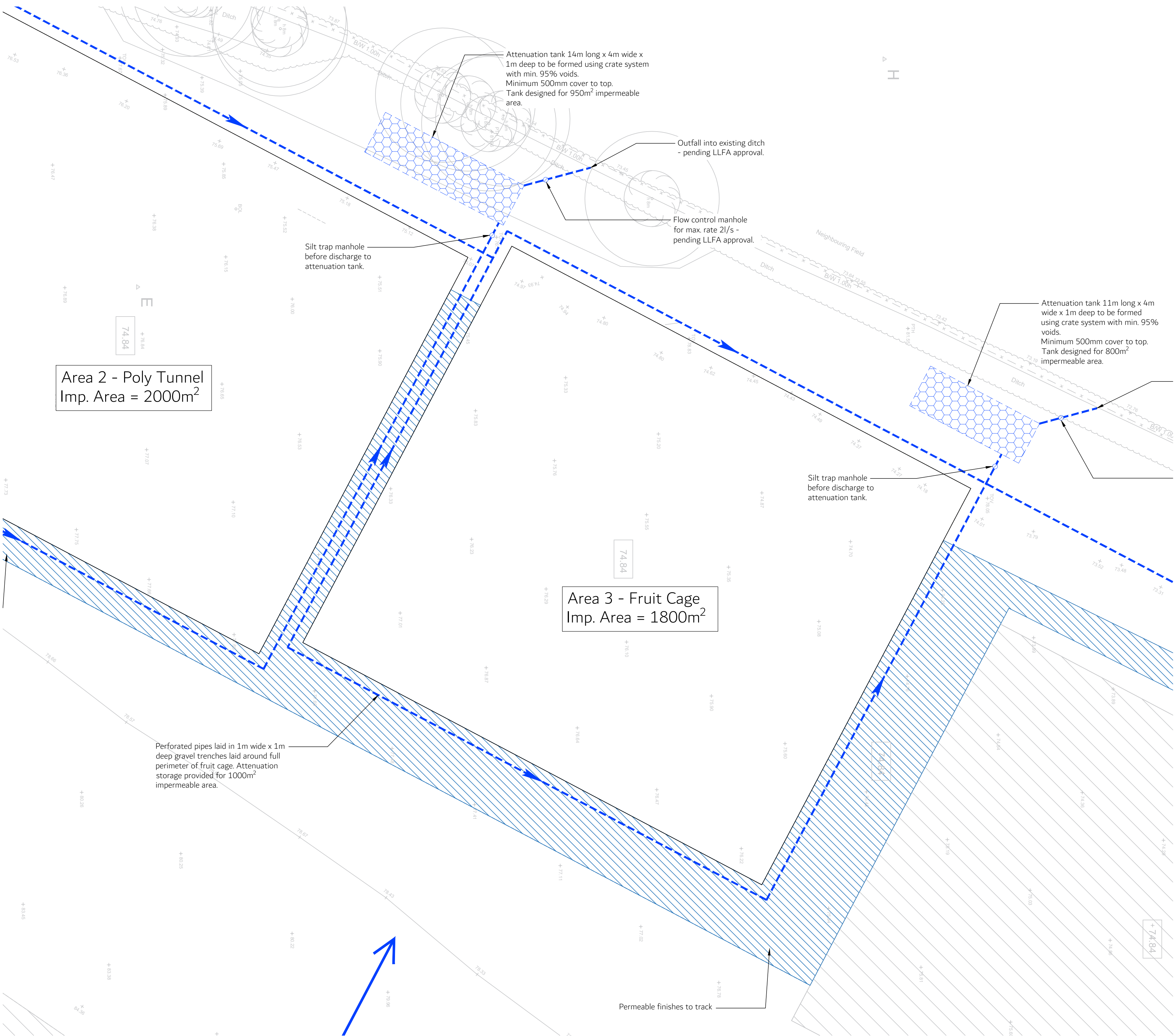


A1



1005.01 - Drainage Layout (Part 4 of 5)
(Scale 1:200)

Drainage Notes

- Levels shown in metres above Ordnance Datum (mAOD).
- All private drainage to comply with current Building Regulations, BS EN-752. Drain and Sewer systems outside Buildings and other relevant British Standards and Codes of Practices.
- Drainage pipeline tolerance to be in accordance with the CESWI (Civil Engineering Specification for the Water Industries). Any deviations in excess of this, engineer to be contacted.
- All external drainage with trafficked areas with less than 1.2m cover to have type Z concrete bed and surround. All external drainage within landscaped areas with cover less than 0.6m to have type Z concrete bed and surround. All drainage with greater cover than the minimum required to have type S bed and surround.
- All drainage to be laid soffit to soffit unless otherwise shown.
- The Contractor is to verify the line, level and diameter of existing sewers before commencing drainage works.
- All storm water drainage to be minimum 150mm diameter unless otherwise shown.
- Cover levels shown on this drawing refer to approximate surface levels. It is the contractors responsibility to ensure that access covers and frames are set at the final surface levels.
- Where possible the Contractor is to orientate manhole biscuits and covers to locate them parallel to kerbs and paving.
- The Contractor should comply with HSG47 "Avoiding Danger from Underground Services" when excavating around existing services.
- It is the Contractors responsibility to determine the location and depth of all existing services, mains and cables prior to construction.
- Contractor to provide temporary screens in each of the down stream manholes during the construction period of the development in accordance with DCG-Section B5.2.23 and the local sewerage undertaker's requirements.
- All in-situ concrete and precast concrete components to be manufactured using Sulphate Resisting Portland Cement, (SRPC) to BS4027, if required, subject to soil conditions. Manhole components to be to BS EN 1917:2002.
- All ironwork to be kite marked by BSI or certified by equal inspection authority.
- All redundant connections to be capped off and grouted from the down stream manhole.
- All new drainage pipes to be jetted, CCTV surveyed with DVD recording and any defects highlighted to the supervising officer. Following the rectification of any defects, the drain is to be re-surveyed with CCTV and recordings made available to the project manager/engineer.
- Prior to commencing the works the contractor is to confirm details of the existing drainage system as noted on the drawing.
- Prior to commencing the works the contractor is to undertake the drainage investigation work as noted on the drawing.
- Allow for heave protection to drainage within ground influenced by trees. Refer to details.

LEGEN

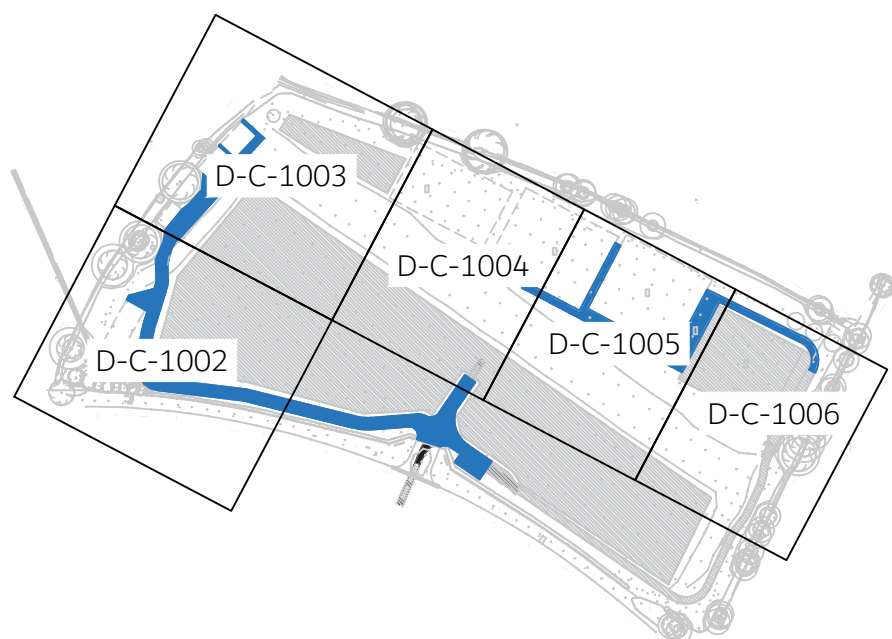
-  Proposed Storm Water Drain and Manhole
 Existing Storm Water Drain and Manhole
 RE Rodding Eye



Storm Water Drainage Notes

1. Outfall design subject to LLFA approval. Any changes to layout, levels or discharge rate must be agreed.
2. Storage calculations for gravel trenches have been based on a total allowable discharge rate of 2.5l/s, which takes into account rainwater harvesting tanks discharging to sprinkler systems at a rate of 0.5l/s.
3. If fully permeable ground surface can be provided within Fruit Cages, attenuation tanks could be omitted.

KEYPLAN

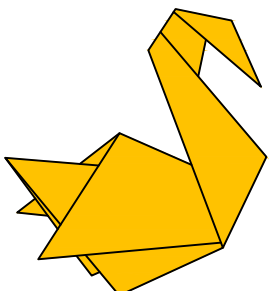


NOTES

1. This drawing is to be read in conjunction with all relevant associated documents.
2. All dimensions are to be checked prior to the commencement of works on site. Any discrepancies are to be reported to the Engineer immediately.
3. Do not scale this drawing.
4. All dimensions are in millimetres unless noted otherwise.
5. This drawing is to be printed in colour.
6. This drawing is copyright.
7. This drawing is to be printed on A1 paper.

P01	Issued for Information	JN 23.02.26	JN 23.02.26	DW 23.02.26
Rev	Description	Drawn by Date	Designed Date	Reviewed Date

REV.	STATUS
P01	For Information



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PROJECT CODE

26085

CLIENT

Green Leaf Trees Ltd

PROJECT NAME

Green Leaf Trees

DRAWING NAME

Drainage Layout Part 4 of 5

CODE-ORIGIN-ZONE-LEVEL-TYPE-DISCIPLINE-NUMBER

26085-SWN-XX-XX-D-C-1005