



- KEY
- SITE BOUNDARY
 - TPO BOUNDARY (approximate)
 - PROPOSED NATIVE TREE PLANTING
see schedule for details
 - PROPOSED MULTI-STEM SHRUB
see schedule for details
 - NATIVE EDGE MIX
see schedule for details
 - PROPOSED HEDGE PLANTING
see schedule for details
 - WILDFLOWER AREAS
see schedule for details
 - GROUNDCOVER/SHRUB PLANTING
see schedule for details

r3	Planting updated - 23/02/2024	AP
r2	Updated layout - 4/10/2023	AP
r1	Issued for comment - 29/09/2023	AP

NOTE:
1. Do not scale from this drawing.
2. All setting out, levels and dimensions to be agreed on site.
3. The dimensions of all materials must be checked on site before being laid out.

Client:
DAVOS
Property Developments Ltd.

Project:
Sovereign Phase 2
Huyton

Title:
Planting Plan

AMENITYTREE
ENVIRONMENTAL PLANNING CONSULTANTS
Willow Cottage, School Lane, Burdwardsley, CH3 9NX. 01829 770 075

Status:
For Comment

First Issued: SEP 2023	Drawn: AP
Scale: 1:500	Size: A1

Drawing No:
AT.25.1288.101r3

PLANTING SCHEDULE

PLANT SCHEDULE

REF.	TYPE	NO.	GIRTH cm	%	HEIGHT cm	TYPE	DENSITY	NOTE
1.0	NATIVE TREE PLANTING							
T1	Acer campestre.		16-18	NA	325-375	RB	NA	2 stakes / cross member / tie.
T2	Betula pendula Fastigiata Joes.		16-18	NA	350-400	RB	NA	2 stakes / cross member / tie.
T3	Corylus avellana.		16-18	NA	325-375	RB	NA	2 stakes / cross member / tie.
T4	Crataegus monogyna.		16-18	NA	300-350	RB	NA	2 stakes / cross member / tie.
T5	Prunus sargentii Rancho.		16-18	NA	350-400	RB	NA	2 stakes / cross member / tie.
T6	Pinus nigra Austriaca.		16-18	NA	250-300	RB	NA	2 stakes / cross member / tie.
T7	Pyrus chanticleer.		16-18	NA	325-375	RB	NA	2 stakes / cross member / tie.
T8	Quercus robur.		16-18	NA	325-375	RB	NA	2 stakes / cross member / tie.
T9	Prunus avium.		16-18	NA	325-375	RB	NA	2 stakes / cross member / tie.
T10	Tilia tormentosa.		25-30	NA	435-500	RB	NA	Undergorund guyed.
T11	Betula pubescens.		16-18	NA	325-375	RB	NA	2 stakes / cross member / tie.

2.0 NATIVE EDGE MIX

	NEM_01 NO.	NEM_02 NO.	NEM_03 NO.	GIRTH	HEIGHT	%	TYPE	DENSITY	NOTE
Amelanchier lamarckii.	6	84	15	NA	50cm	10	BR	1 / m2.	75cm biodegradable grow tube / stake.
Cornus sanguinea	6	84	15	NA	50cm	10	BR	1 / m2.	75cm biodegradable grow tube / stake.
Euonymous europaeus.	6	84	15	NA	50cm	10	BR	1 / m2.	75cm biodegradable grow tube / stake.
Ligustrum vulgare.	3	42	8	NA	50cm	5	BR	1 / m2.	75cm biodegradable grow tube / stake.
Rosa canina.	6	84	15	NA	25cm	10	BR	1 / m2.	50cm biodegradable grow tube / stake.
Rosa pimpinellifolia.	3	42	8	NA	25cm	5	BR	1 / m2.	50cm biodegradable grow tube / stake.
Salix caprea.	3	42	8	NA	50cm	5	BR	1 / m2.	75cm biodegradable grow tube / stake.
Salix cinerea.	3	42	8	NA	50cm	5	BR	1 / m2.	75cm biodegradable grow tube / stake.
Salix repens.	6	84	15	NA	50cm	10	BR	1 / m2.	75cm biodegradable grow tube / stake.
Taxus baccata.	3	42	8	NA	75cm	5	BR	1 / m2.	100cm biodegradable grow tube / stake.
Virburnum latana.	6	84	15	NA	50cm	10	BR	1 / m2.	75cm biodegradable grow tube / stake.
Viburnum opulus.	6	84	15	NA	50cm	10	BR	1 / m2.	75cm biodegradable grow tube / stake.
Ulex europaeus.	3	42	8	NA	50cm	5	BR	1 / m2.	75cm biodegradable grow tube / stake.

Planting Notes:
a) The above to be planted at a rate of 1no. Plants per m2, in groups of between 3 and 7.
b) All to be planted in biodegradable black growing tubes, 25cm taller than planting height with support.

3.0 NATIVE HEDGE PLANTING

	NH_01 NO.	NH_02 NO.	NH_03 NO.	NH_04 NO.	NH_05 NO.	NH_06 NO.	GIRTH	HEIGHT cm	%	TYPE	DENSITY	NOTE
Alnus glutinosa.	20	30	15	14	4	7	NA	75	10	BR	NA	100cm biodegradable grow tube / stake.
Acer campestre.	10	15	8	7	2	3	NA	150-175	5	BR	NA	100cm biodegradable grow tube / stake.
Betula pubescens.	10	15	8	7	2	3	NA	150-175	5	BR	NA	100cm biodegradable grow tube / stake.
Corylys avellana.	20	30	15	14	4	7	NA	75	10	BR	NA	100cm biodegradable grow tube / stake.
Crataegus monogyna..	30	45	23	21	6	10	NA	75	15	BR	NA	100cm biodegradable grow tube / stake.
Eunonymous europaeus.	10	15	8	7	2	4	NA	30-45	5	BR	NA	50cm biodegradable grow tube / stake.
Ilex aquifolium.	10	15	8	7	2	4	NA	30-45	5	2L	NA	50cm biodegradable grow tube / stake.
Malus sylvestris.	10	15	8	7	2	4	NA	75	5	BR	NA	100cm biodegradable grow tube / stake.
Prunus spinosa.	10	15	8	7	3	4	NA	30-45	5	BR	NA	50cm biodegradable grow tube / stake.
Rosa canina.	10	15	8	7	3	4	NA	30-45	5	BR	NA	50cm biodegradable grow tube / stake.
Sambucus nigra.	20	15	15	14	4	7	NA	30-45	10	BR	NA	50cm biodegradable grow tube / stake.
Sorbus aucuparia.	20	45	23	21	6	10	NA	75	15	BR	NA	100cm biodegradable grow tube / stake.
Vibrunum opulus.	10	15	8	7	3	3	NA	30-45	5	BR	NA	50cm biodegradable grow tube / stake.

Hedges to be planted in a double staggered row at 450mm ctrs.

4.0 SHRUBS & GROUND COVER PLANTS

	NO.	GIRTH	HEIGHT cm	%	TYPE	DENSITY	NOTE
S1	Prunus laurocerasus Zabeliana.	268	NA	20-30	NA	3L	5 / m2
S2	Lonicer pileata Maygreen.	605	NA	20-30	NA	3L	5 / m2
S3	Cornus alba Sibirica.	78	NA	45-60	NA	3L	3 / m2
S4	Escallonia Slieve Donard.	260	NA	30-45	NA	3L	3 / m2
S5	Osmanthus x Burkwoodii.	45	NA	30-45	NA	3L	3 / m2
S6	Ceanothus concha.	30	NA	30-45	NA	3L	3 / m2
S7							

5.0 WILDFLOWER AREAS

5.1 To be seeded with Emorsgate EM4. - Meadow mixture for clay soils @ 40kg per ha.

6.0 MULTI STEMS

MS1	Amelanchier lamarckii.	4	NA	150-175	NA	RB	NA	Min 5 breaks / 2 stakes / cross member / tie.
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PLANTING NOTES

- Plant handling at the nursery and transit up to delivery, shall be in accordance with 'Plant Handling' the booklet is published by the Committee for Plant Supply and Establishment (CPSE). The contractor shall comply with clauses 3 & 4 of the above booklet (obtained from The Horticultural Trades Association which refers to the receipt, uploading and temporary storage of plants.
- Plants shall be first class examples of their species or variety, free from all pests and diseases with good fibrous root systems and materially undamaged. Refer to relevant sections of BS.3936.Pts 1- 4, Specification of Nursery Stock.
- All planting is to in general compliance with BS.4428:1989 Code of Practice for General Landscape Operations.
- All trees are to be underground guyed. All tree pits to be 100x100x75cm deep. Back fill, 65cm 70% by volume approved topsoil, 30% by volume tree compost (no peat products), 10cm coarse sand to base of pit. Base of pit to be broken up prior to backfilling and tested for drainage properties.
- The contractor must ascertain for themselves the exact location of any underground services prior to excavations. Root barriers (to engineers details) shall be installed adjacent to any underground services and between tree and adjacent buildings or structures if the tree is within 10m.
- Water as necessary prior to and post PC to end of maintenance period to ensure the establishment and continued healthy development.
- Carry out all work when soil and weather conditions are suitable. Do not plant during periods of frost or strong winds. Plant only during the following periods_Bare root material : Late October to Late March, Container / Air pot material : Anytime ground and weather conditions permit. Ensure adequate watering and weed control is available.
- Any tree or shrub that dies, appears unhealthy or poorly developed shall be replaced at the end of the 12 months maintenance and defects period during the next appropriate planting season.

TOPSOILING

- All topsoil delivered shall be in accordance with BS.3882.2007, certified as such. Sample load to be delivered to site for CA approval.
- Turfed lawn areas to receive 150mm depth of approved topsoil (after light consolidation).
- Shrub areas to receive 400mm depth of approved topsoil (after light consolidation).
- Hedgerows to receive 450mm depth of approved topsoil (after light consolidation).
- Wild flower areas are not top soiled. Any level make up to achieve via subsoil to BS.8601.2013.

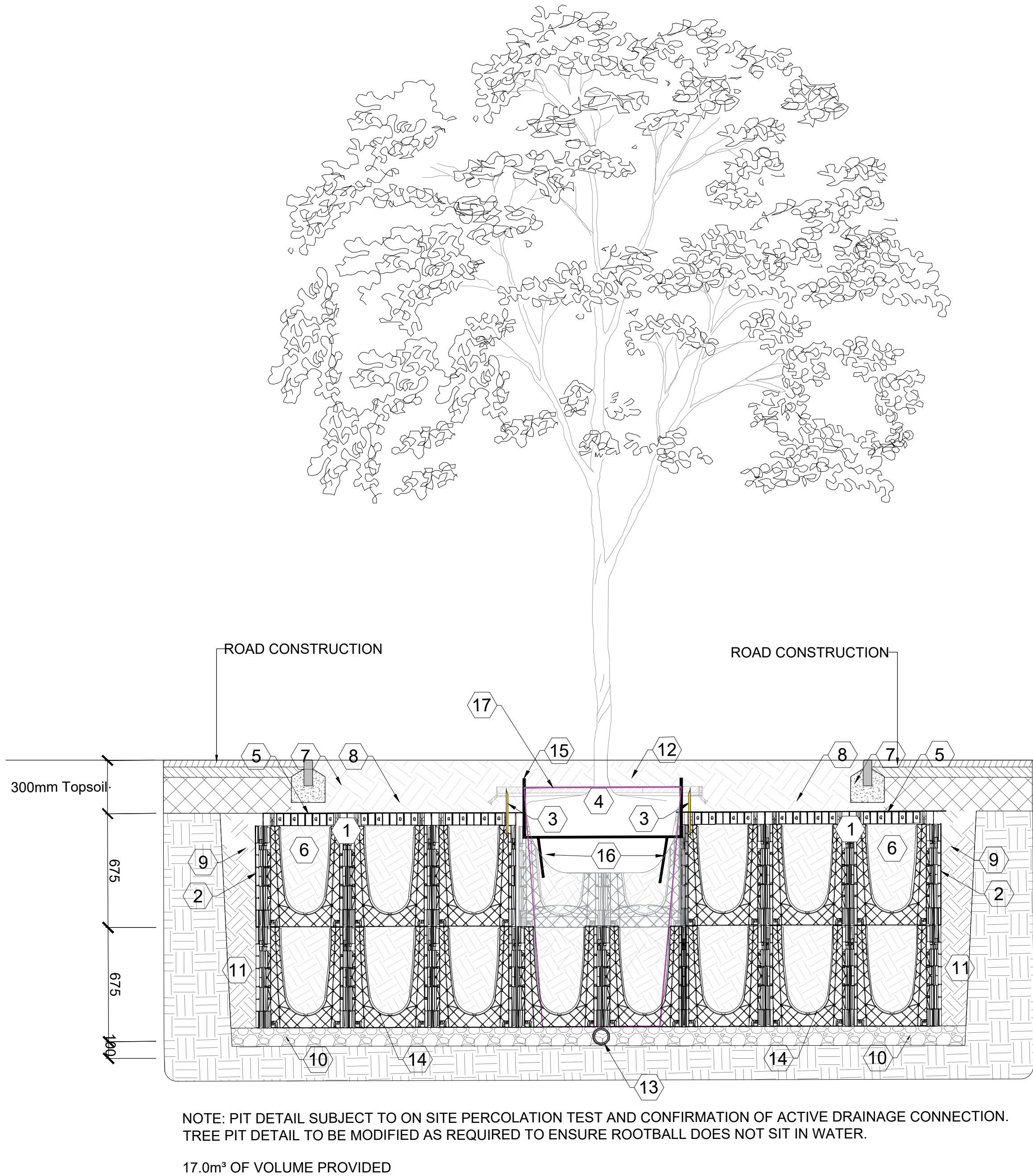
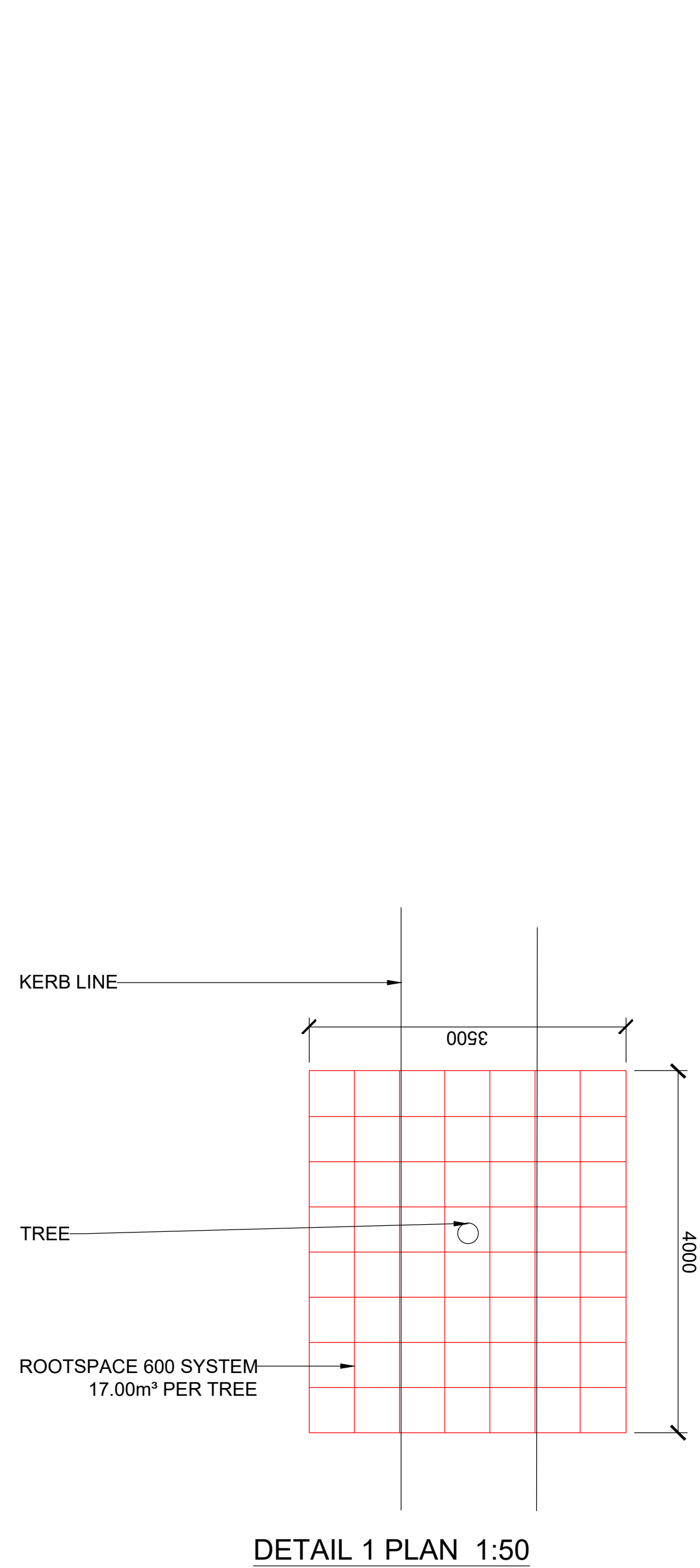
TURFING

- Turf to be laid over a minimum 150mm lightly consolidated approved topsoil. No turf shall be laid in frosty or exceptionally dry weather. The well being of the turf is the contractors responsibility prior to PC and for the duration of the maintenance period. Any failures shall be replaced at the contractors expense.
- Prior to the installation of the topsoil subsoil shall be rotavated. Lightly cultivate the topsoil, harrow and rake topsoil into a fine tilth suitable for final grading prior to turfing.Rake to a true, even consolidated surface.
- Turf shall be grown by a member of the Turfgrass Growers Association (TGA). Certification of its provence shall be supplye to the CA.
- Turf shall be laid within 36 hours of delivery and immediately watered after laying. Bumps, ridges and depressions will not be accepted.

WILDFLOWER AREAS

- No topsoil is required within wildflower seeding areas. Seed should be sown into good quality, clay free subsoil. Cutivate to 150mm depth and all weeds, stones and deleterious material larger than 35mm in any direction shall be removed. Cultivated seed bed shall be rolled and raked to produce a tilth 25mm deep. Allow germination of existing seed bank. After 2-3 weeks spray regrowth with an approved selective herbicide. Allow to die back and rake off. Lightly water and seed late August or September or April - May. All seeding to be sown at the suppliers recommended rate.
- First cut shall be August to September and lightly the following spring using a flail mower or strimmer. All cuttings to be raked up and disposed of off site.
- Subsequent cuts upon completion of flowering in October with flail or strimmer with arisings removed.

r3	Planting schedule updated 23/02/2024	AP
r2	Updated to revised layout 4/10/2023	AP
r1	Issued for comment - 29/09/2023	AP
NOTE: 1. Do not scale from this drawing. 2. All setting out, levels and dimensions to be agreed on site. 3. The dimensions of all materials must be checked on site before being laid out.		
Client: DAVOS Property Developments Ltd.		
Project: Sovereign Phase 2 Huyton		
Title: Planting Notes & Schedule		
AMENITYTREE ENVIRONMENTAL PLANNING CONSULTANTS Willow Cottage, School Lane, Burdwardsley, CH3 9NX. 01829 770 075		
Status: For Comment		
First Issued:	SEP 2023	Drawn: AP
Scale:	N/A	Size: A1
Drawing No: AT.25.1288.102r23		



NOTES

- PRIOR TO TREE PLANTING A REPRESENTATIVE SAMPLE OF THE TREE PITS NEED TO BE EXCAVATED AND COMPLETELY FILLED WITH WATER. THE PERCOLATION RATES NEED TO BE RECORDED AND ADJUSTMENTS MADE TO THE DRAINAGE DETAIL AS APPROPRIATE. IT IS **ESSENTIAL** THAT THE LANDSCAPE CONSULTANTS ARE CONSULTED AT THIS STAGE AND APPROVAL GIVEN TO PROCEED WITH PLANTING.
- DRAWING TO BE READ IN CONJUNCTION WITH THE CLAUSES AND STANDARDS AS SET OUT IN THE ASSOCIATED NATIONAL BUILDING SPECIFICATION WITH PARTICULAR REFERENCE TO THE FOLLOWING CLAUSES:
Q28: TOPSOILING
Q30: SEEDING AND TURFING
Q31: EXTERNAL PLANTING
Q35: LANDSCAPE MAINTENANCE

ARBORSYSTEM®URBAN TREE PLANTING SYSTEM

- ROOTSPACE®AIRFORM 600 SERIES SOIL CELL SYSTEM (600mm DEPTH)
- ROOTSTOP™600 ROOT & MOISTURE BARRIER (600mm DEPTH)
- REROOT™300 RIBBED ROOT BARRIER (300mm DEPTH)
- TREE/ROOTBALL
- COMBIGRID® GEOCOMPOSITE FABRIC/GRID
- PLANTING SOIL
- SOFT FINISH
- TOPSOIL
- COMPACTED BACKFILL MATERIAL
- AGGREGATE SUB-BASE
- COMPACTED NATIVE SUB BASE
- MULCH
- 80mm PERFORATED LAND DRAIN
- ROOTSPACE AIRFORM
- GREENTECH MONA WATERING SYSTEM
- ROOTSPACE AIRFORM
- ARBORGUY DEADMAN ANCHOR

TREE PIT IN SOFT

00. Tree: Refer to softworks drawing PL1539.1.M101.
01. 75mm depth top layer of bark mulch.
02. Topsoil: 300mm to BS3882:2007.
03. Subsoil: 600mm to BS9600:2013.
04. Single inlet irrigation/aeration system.
05. Triple Stake guying system. Treated softwood stakes driven firmly into base of tree pit by min. 300mm.
06. Planting: Refer to softworks drawing PL1489.2.M104.
07. Crushed Granite aggregate to improve drainage. 14mm Gauge. NO FINES. Laid on a camber.

NOTES:

- Prior to tree planting a representative sample of the tree pits need to be excavated and completely filled with water. The percolation rates need to be recorded and adjustments made to the drainage detail as appropriate. It is **ESSENTIAL** that the Landscape Consultants are consulted at this stage and approval given to proceed with planting.
- Drawing to be read in conjunction with the clauses and standards as set out in the associated National Building Specification with particular reference to the following clauses:
Q28: Topsoiling
Q30: Seeding and turfing
Q31: External planting
Q35: Landscape maintenance

TREE PIT IN HARD

00. Tree: Refer to softworks drawing PL1539.1.M101.
01. Arborguy 150 double inlet, 100mm perforated plastic pipe laid above Tier 1. Connected across width of tree pit to achieve deep root aeration.
02. Waterproof geotextile membrane layer.
03. Egg crate system - 'RootCell' by GreenBlue Urban.
04. Arborguy block infill tray tree surround; DPA/180-180/51/3/85/G2/DG10C.
05. Perforated plastic pipe connected to positive drainage system. Subject to on site percolation test & confirmation of active drainage connection viability by engineers. Tree pit detail to be modified as required to ensure root ball does not sit in standing water.
06. Self compacting gravel infill
07. Deadman anchors
08. 150mm Pea shingle layer to improve drainage. NO FINES.
09. Outfall pipe to engineer's specifications.

NOTES:

- Prior to tree planting a representative sample of the tree pits need to be excavated and completely filled with water. The percolation rates need to be recorded and adjustments made to the drainage detail as appropriate. It is **ESSENTIAL** that the Landscape Consultants are consulted at this stage and approval given to proceed with planting.
- Drawing to be read in conjunction with the clauses and standards as set out in the associated National Building Specification with particular reference to the following clauses:
Q28: Topsoiling
Q30: Seeding and turfing
Q31: External planting
Q35: Landscape maintenance

		AP
r1	Issued for coment - 23/02/2024	
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Client:	DAVOS Property Developments Ltd.	
Project:	Sovereign Phase 2 Huyton	
Title:	Planting Details	
AMENITYTREE ENVIRONMENTAL PLANNING CONSULTANTS Willow Cottage, School Lane, Burdwarley, CH3 9NX, 01829 770 075		
Status:	For Comment	
First Issued:	FEB 2024	Drawn: AP
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