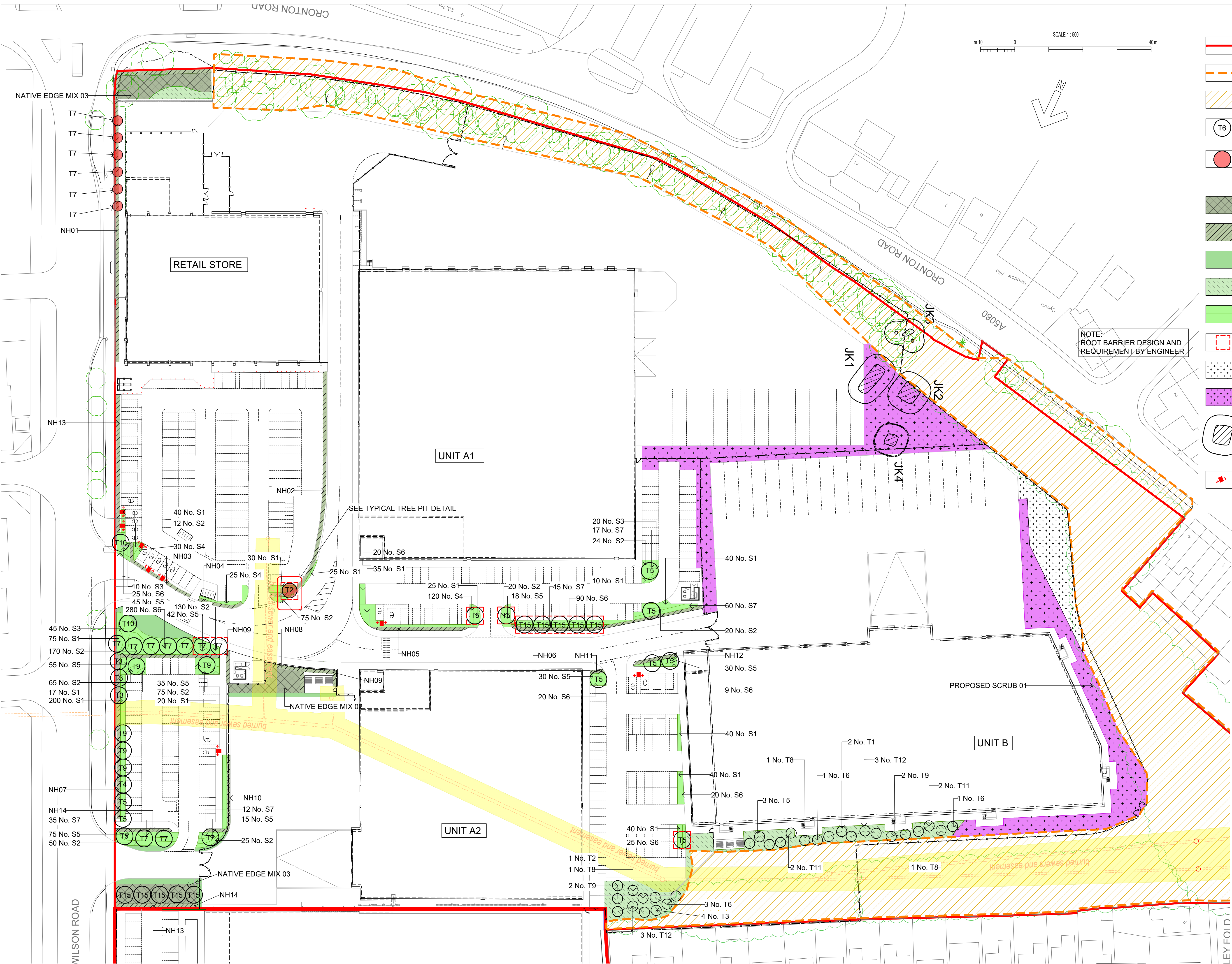


- KEY**
- SITE BOUNDARY**
 - TPO BOUNDARY (approximate)**
 - RETAINED WOODLAND**
 - PROPOSED NATIVE TREE PLANTING**
see schedule for details
 - TREE WITH CELL ROOT SYSTEMS**
Trees to be planted in arbor urban tree planting system to provide 17m² growing space.
 - NATIVE EDGE MIX**
see schedule for details
 - PROPOSED HEDGE PLANTING**
see schedule for details
 - PROPOSED LAWN**
see schedule for details
 - WILDFLOWER AREAS**
see schedule for details
 - GROUND COVER/SHRUB PLANTING**
see schedule for details
 - ROOT CELL SYSTEM 5m x 5m**
 - EXISTING SCRUB RETAINED**
 - PROPOSED NATIVE SCRUB**
 - JAPANESE KNOTWEED.**
REFER TO JAPANESE KNOTWEED SOLUTIONS DOCUMENTATION FOR DETAILS. NOTE: JK1, JK2 & JK3 TO BE 'REPLANTED' WITH NATIVE SCRUB MIX WHEN PERMITTED
 - EV CHARGER**

NOTE:
ROOT BARRIER DESIGN AND
REQUIREMENT BY ENGINEER

r10	Planting updated	11/08/2025	AP
r9	Updated to 7102-401 Rev P06.		AP
r9	Japanese knotweed locations added.	01/08/2025	AP
r8	Planting updated	19/02/2025	AP
r7	Updated	10/12/2024	AP
r6	Updated to 13579-AEW-S1-XX-DR-A-1103 - 06/08/2024		AP
r5	Updated to 13579-AEW-XX-XX-DR-A-0503-P15 - 06/08/2024		AP
r4	Updated in response to LPA comments - 17/07/2024		AP
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.23.1288.101r10

PLANTING SCHEDULE

PLANT SCHEDULE_r10.

REF.	TYPE	NO.	GIRTH cm	%	HEIGHT cm	TYPE	DENSITY	NOTE
1.0	NATIVE TREE PLANTING							
T1	Acer campestre.	2	16-18.	NA	325-375	RB	NA	2 stakes / cross member / tie & Greentech Mona Irrigation System / 75t Ltr Tree Irrigation bag.
T2	Betula pendula Fastigiata Joes.	2	16-18.	NA	350-400	RB	NA	2 stakes / cross member / tie & Greentech Mona Irrigation System / 75t Ltr Tree Irrigation bag.
T3	Carpinus betulus Trans Fontaine.	4	16-18.	NA	325-375	RB	NA	2 stakes / cross member / tie & Greentech Mona Irrigation System / 75t Ltr Tree Irrigation bag.
T4	Crataegus monogyna.	1	8-10.	NA	200-250	RB / FTH	NA	Single low stake / Greentech Mona Irrigation System / 75Ltr Tree Irrigation bag.
T5	Prunus padus.	13	16-18.	NA	350-400	RB	NA	2 stakes / cross member / tie & Greentech Mona Irrigation System / 75t Ltr Tree Irrigation bag.
T6	Quercus ilex.	5	12-14.	NA	250-300	RB	NA	2 stakes / cross member / tie & Greentech Mona Irrigation System / 75t Ltr Tree Irrigation bag.
T7	Fagus sylvatica Dawyck.	16	16-18.	NA	325-375	RB	NA	2 stakes / cross member / tie & Greentech Mona Irrigation System / 75t Ltr Tree Irrigation bag.
T8	Quercus robur.	3	16-18.	NA	325-375	RB	NA	2 stakes / cross member / tie & Greentech Mona Irrigation System / 75t Ltr Tree Irrigation bag.
T9	Prunus avium Plena.	9	8-10.	NA	200-250	RB / FTH	NA	Single low stake / Greentech Mona Irrigation System / 75Ltr Tree Irrigation bag.
T10	Acer x freemanii 'Jeffersred'.	2	20-25.	NA	435-500	RB	NA	Underground guyed & Greentech Mona Irrigation System / 75Ltr Tree Irrigation bag.
T11	Fagus sylvatica.	4	8-10.	NA	200-250	RB / FTH	NA	Single low stake / Greentech Mona Irrigation System / 75Ltr Tree Irrigation bag.
T12	Ilex aquifolium.	6	8-10.	NA	200-250	RB / FTH	NA	Single low stake / Greentech Mona Irrigation System / 75Ltr Tree Irrigation bag.
T13	Tilia cordata Greenspire.	0	16-18.	NA	325-375	RB	NA	2 stakes / cross member / tie & Greentech Mona Irrigation System / 75t Ltr Tree Irrigation bag.
T14	Tilia cordata.	0	16-18.	NA	325-375	RB	NA	2 stakes / cross member / tie & Greentech Mona Irrigation System / 75t Ltr Tree Irrigation bag.
T15	Sorbus aria.	11	16-18.	NA	325-375	RB	NA	2 stakes / cross member / tie & Greentech Mona Irrigation System / 75t Ltr Tree Irrigation bag.

2.0 NATIVE EDGE MIX

	NEM_01 NO.	NEM_02 NO.	NEM_03 NO.		GIRTH	HEIGHT	%	TYPE	DENSITY	NOTE
Amelanchier lamarckii.	48	28	8	12	NA	50cm	5	BR	1 / m2.	75cm biodegradable grow tube / stake.
Comus sanguinea.	96	56	16	24	NA	50cm	10	BR	1 / m2.	75cm biodegradable grow tube / stake.
Euonymous europaeus.	96	56	16	24	NA	50cm	10	BR	1 / m2.	75cm biodegradable grow tube / stake.
Ligustrum vulgare.	48	28	8	12	NA	50cm	5	BR	1 / m2.	75cm biodegradable grow tube / stake.
Rosa canina.	96	56	16	24	NA	25cm	10	BR	1 / m2.	50cm biodegradable grow tube / stake.
Rosa pimpinellifolia.	48	28	8	12	NA	25cm	5	BR	1 / m2.	50cm biodegradable grow tube / stake.
Quercus robur.	96	56	16	24	NA	50cm	10	BR	1 / m2.	75cm biodegradable grow tube / stake.
Tilia cordata.	48	28	8	12	NA	50cm	5	BR	1 / m2.	75cm biodegradable grow tube / stake.
Sorbus aucuparia.	96	56	16	24	NA	50cm	10	BR	1 / m2.	75cm biodegradable grow tube / stake.
Taxus baccata.	48	28	8	12	NA	75cm	5	BR	1 / m2.	100cm biodegradable grow tube / stake.
Viburnum latana.	96	56	16	24	NA	50cm	10	BR	1 / m2.	75cm biodegradable grow tube / stake.
Viburnum opulus.	96	56	16	24	NA	50cm	10	BR	1 / m2.	75cm biodegradable grow tube / stake.
Ulex europaeus.	48	28	8	12	NA	50cm	5	BR	1 / m2.	75cm biodegradable grow tube / stake.

Planting Notes:

- a) Density - The above to be planted at a rate of 1no. Plants per m2, in groups of between 3 and 7.
b) Grow Tubes - All to be planted in biodegradable black growing tubes, 25cm taller than planting height with support.
c) Fertiliser - Organic Scotts N-Mag Lite by Greenwich. To be applied at manufacturers recommended rates.
d) Slow Release fertiliser - Agrobblend Tablets or simialr approved. To be applied at manufacturers recommended rates.
e) Ameliorant - Peat Free Compost, 7ltrs per plant, Rootgrow Professional or similar approved. To be applied at manufacturers recommended rates.
f) Mycorrhizal Fungi - As supplied by Plant Works UK or similar approved. To be applied at manufacturers recoomened rates.

3.0 NATIVE HEDGE PLANTING

		NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	NO.	cm						
Acer campestre.	246	33	35	13	7	13	33	37	13	5	13	2	7	20	15	NA	60-80	10	BR	NA	1+2 Transplant / 3 breaks / 100cm biodegradable grow tube / stake.	
Carpinus betulus.	122	16	17	6	4	6	16	19	6	3	6	1	4	10	8	NA	60-80	5	BR	NA	1+2 Transplant / 3 breaks / 100cm biodegradable grow tube / stake.	
Corylus avellana.	246	33	35	13	7	13	33	37	13	5	13	2	7	20	15	NA	60-80	10	BR	NA	1+2 Transplant / 3 breaks / 100cm biodegradable grow tube / stake.	
Crataegus monogyna.	1451	195	210	75	42	75	195	225	75	30	75	12	42	120	80	NA	60-80	60	BR	NA	1+2 Transplant / 3 breaks / 100cm biodegradable grow tube / stake.	
Ilex aquifolium.	404	49	52	19	11	39	49	56	19	8	19	3	11	30	39	NA	30-45	15	BR	NA	750cm biodegradable grow tube / stake.	

Planting Notes:

- a) Density - The above to be planted at a rate of 1no. Plants per m2, in groups of between 3 and 7.
b) Grow Tubes - All to be planted in biodegradable black growing tubes, 25cm taller than planting height with support.
c) Fertiliser - Organic Scotts N-Mag Lite by Greenwich. To be applied at manufacturers recommended rates.
d) Slow Release fertiliser - Agrobblend Tablets or simialr approved. To be applied at manufacturers recommended rates.
e) Ameliorant - Peat Free Compost, 7ltrs per plant, Rootgrow Professional or similar approved. To be applied at manufacturers recommended rates.
f) Mycorrhizal Fungi - As supplied by Plant Works UK or similar approved. To be applied at manufacturers recoomened rates.
g) To be planted in a double staggered row @ 45cm ctrs / 5 plants per Lm.

4.0 SHRUBS & GROUNDcover PLANTS

	NO.	GIRTH	HEIGHT cm	%	TYPE	DENSITY	NOTE
S1 Prunus laurocerasus Zabeliana.	627	NA	20-30	NA	3L	5 / m2	
S2 Pittosporum tenuifolium Tom Thumb.	589	NA	20-30	NA	3L	5 / m2	
S3 Lavandula angustifolia 'Rosea'.	75	NA	45-60	NA	3L	4 / m2	
S4 Escallonia SlieveDonard.	175	NA	30-45	NA	3L	3 / m2	
S5 Pennesitum vollosum.	313	NA	30-45	NA	3L	3 / m2	
S6 Stipa tenuissima.	469	NA	30-45	NA	3L	3 / m2	
S7 Escallonia Slieve Donard.	169	NA	30-45	NA	3L		

5.0 WILDFLOWER AREAS

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

6.0 PROPOSED NATIVE SCRUB

Betula nana.	300	NA	100	10	BR	2/m2	Rabbit spiral protection.
Carpinus betulus.	450	NA	150-175	15	BR	2/m2	Feathered / Single low stake / rabbit spiral protection.
Comus sanguinea.	150	NA	100	5	BR	2/m2	Rabbit spiral protection.
Corylus avellana.	1050	NA	100	35	BR	2/m2	Rabbit spiral protection.
Pinus sylvestris.	300	NA	100	10	RB	2/m2	Rabbit spiral protection.
Prunus avium.	1050	NA	100	15	BR	2/m2	Rabbit spiral protection.
Crataegus monogyna.	150	NA	100	5	BR	2/m2	Rabbit spiral protection.
Prunus spinosa.	150	NA	100	5	BR	2/m2	Rabbit spiral protection.

Areas to be:

- 1) 80% planting.
2) 2 Plants per m2.
3) 20% Open space.
4) Open spaces to be seeded with Emorsgate Seeds EG10 Tussock Grass Mixture.

7.0 BARK MULCH

- 7.1 Install 75mm layer of chipped bark mulch to :
a) Native edge mix areas.
b) Native hedgerows.
c) Proposed native scrub areas.
d) Ornamental shrub areas.

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.

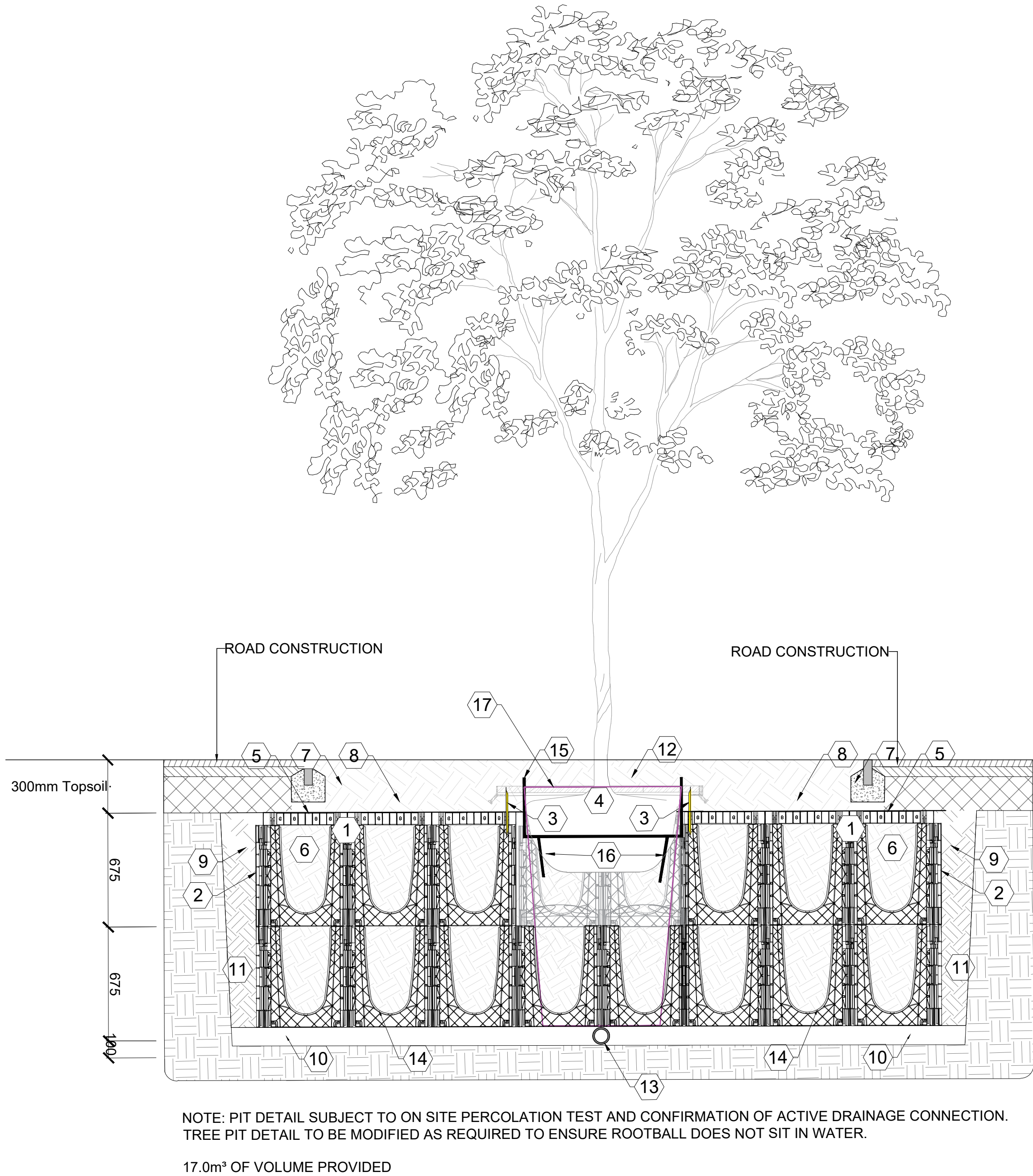
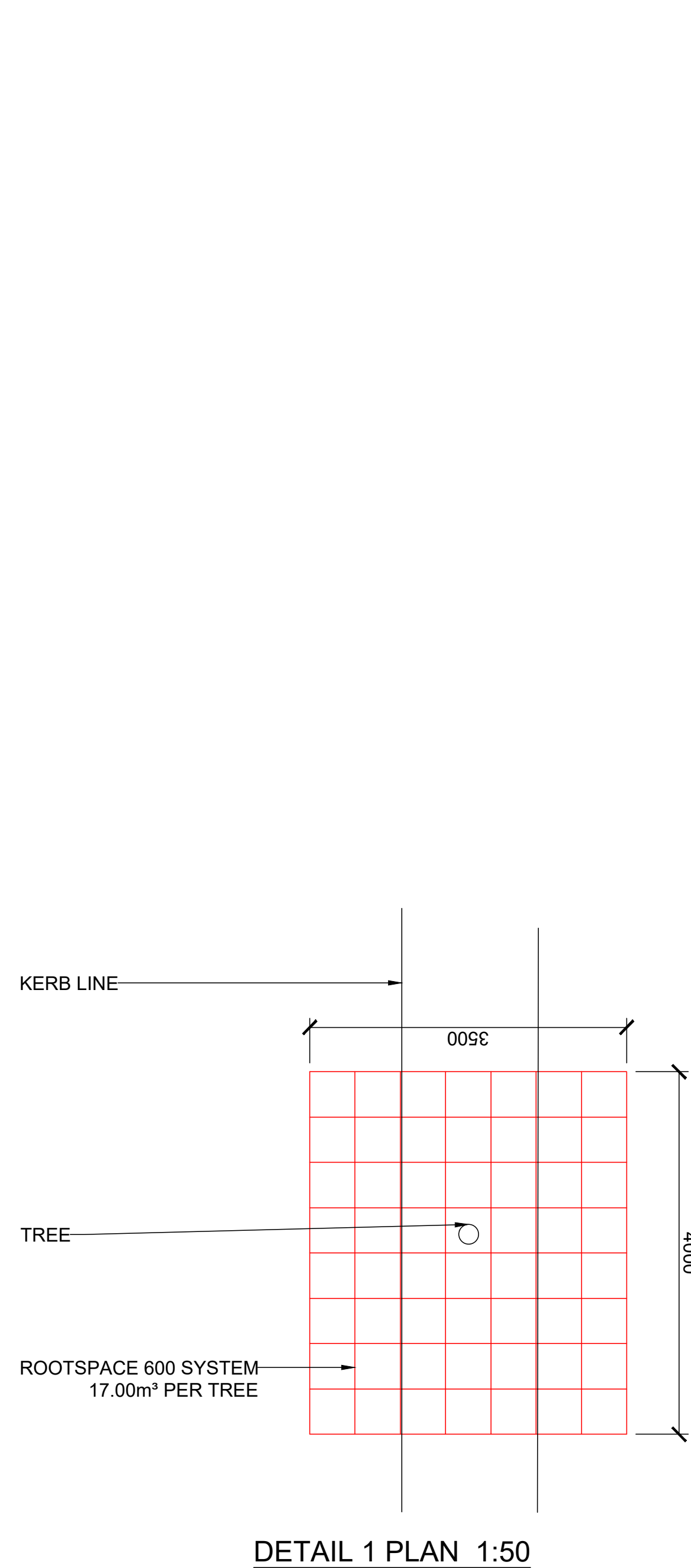
TURFING

- 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 provenance 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.

	r8	Planting schedule updated	19/02/2025	AP
	r7	Planting schedule updated	10/12/2024	AP
	r6	Planting schedule updated	14/11/2024	AP
	r5	Planting schedule updated	16/08/2024	AP
	r4	Planting schedule updated	17/07/2024	AP
	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:				
r10	Planting schedule updated	12/08/2025	AP	AT.23.1288.102r10
r9	Planting schedule updated	11/08/2025	AP	



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 CONSULTANT S 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 BS9601:2013.
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. Arborvent 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. Arborislot block infill tray tree surround; DPA/180-180/51/B/85/G2/DG100.
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. Dead man 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				
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 Details			
AMENITYTREE ENVIRONMENTAL PLANNING CONSULTANTS				
Willow Cottage, School Lane, Burdursley, CH3 9NX. 01829 770 075				
Status:	For Comment			
First Issued:	FEB 2024	Drawn: AP		
Scale:	N/A	Size: A1		
Drawing No.:	AT.23.1288.103r1			