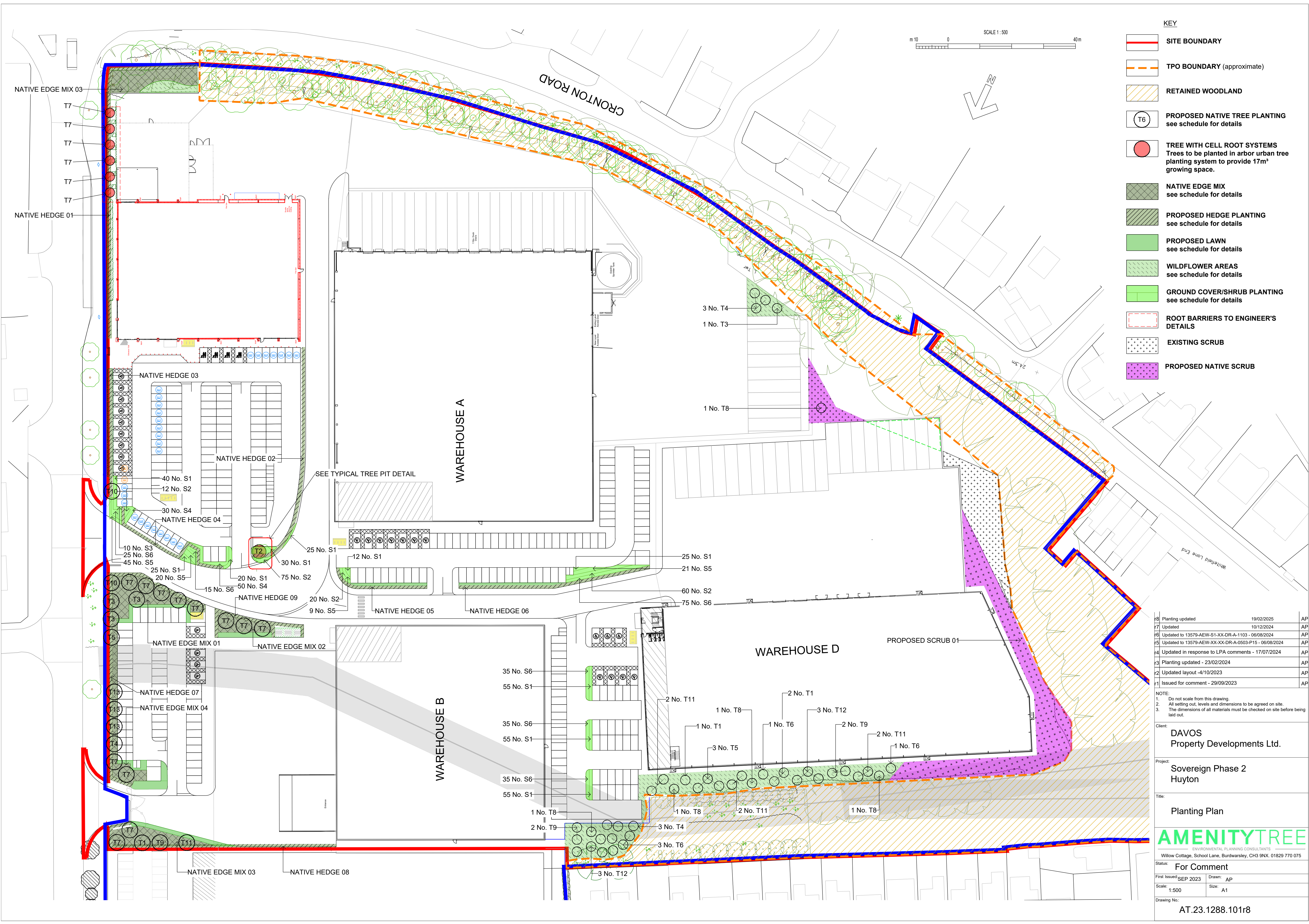




- KEY**
- SITE BOUNDARY**
 - TPO BOUNDARY (approximate)**
 - RETAINED WOODLAND**
 - PROPOSED NATIVE TREE PLANTING**
see schedule for details
 - TREE WITH CELL ROOT SYSTEMS**
Trees to be planted in arbor urban tree planting system to provide 17m² growing space.
 - NATIVE EDGE MIX**
see schedule for details
 - 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 BARRIERS TO ENGINEER'S DETAILS**
 - EXISTING SCRUB**
 - PROPOSED NATIVE SCRUB**

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, Burdwanley, CH3 9NX. 01829 770 075

Status: **For Comment**

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

Drawing No: **AT.23.1288.101r8**

PLANTING SCHEDULE

PLANT SCHEDULE_r7.

REF.	TYPE	NO.	GIRTH cm	%	HEIGHT cm	TYPE	DENSITY	NOTE
1.0	NATIVE TREE PLANTING							
T1	Acer pseudoplatanus.	5	16-18	NA	325-375	RB	NA	2 stakes / cross member / tie & Greentech Mona Irrigation System / 75l Ltr Tree Irrigation bag.
T2	Betula pendula Fastigiata Joes.	3	16-18	NA	350-400	RB	NA	2 stakes / cross member / tie & Greentech Mona Irrigation System / 75l 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 / 75l Ltr Tree Irrigation bag.
T4	Crataegus monogyna.	8	8-10.	NA	200-250	RB / FTH	NA	Single low stake / Greentech Mona Irrigation System / 75Ltr Tree Irrigation bag.
T5	Prunus sargentii Rancho.	4	16-18	NA	350-400	RB	NA	2 stakes / cross member / tie & Greentech Mona Irrigation System / 75l Ltr Tree Irrigation bag.
T6	Quercus ilex.	5	Dec-14	NA	250-300	RB	NA	2 stakes / cross member / tie & Greentech Mona Irrigation System / 75l Ltr Tree Irrigation bag.
T7	Pyrus chanticleer.	17	16-18	NA	325-375	RB	NA	2 stakes / cross member / tie & Greentech Mona Irrigation System / 75l Ltr Tree Irrigation bag.
T8	Quercus robur.	4	16-18	NA	325-375	RB	NA	2 stakes / cross member / tie & Greentech Mona Irrigation System / 75l Ltr Tree Irrigation bag.
T9	Prunus avium.	4	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.	6	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.	3	16-18	NA	325-375	RB	NA	2 stakes / cross member / tie & Greentech Mona Irrigation System / 75l Ltr Tree Irrigation bag.
2.0	NATIVE EDGE MIX							
			NEM_01 NO.	NEM_02 NO.	NEM_03 NO.			
	Amelanchier lamarckii.	48	28	8	12			GIRTH HEIGHT % TYPE DENSITY NOTE
	Cornus sanguinea.	96	56	16	24			NA 50cm 5 BR 1 / m2. 75cm biodegradable grow tube / stake.
	Euonymus 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.
	Virburnum 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 fertilser - 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 recommoned rates.

3.0	NATIVE HEDGE PLANTING	TOTAL	NH_01 NO.	NH_02 NO.	NH_03 NO.	NH_04 NO.	NH_05 NO.	NH_06 NO.	NH_07 NO.	NH_08 NO.	NH_09 NO.		GIRTH	HEIGHT cm	%	TYPE	DENSITY	NOTE
	Acer campestre.	261	57	4	15	25	17	30	51	42	20		NA	60-80	10	BR	NA	1+2 Transplant / 3 breaks / 100cm biodegradable grow tube / stake.
	Carpinus betulus.	130	29	2	7	12	9	15	25	21	10		NA	60-80	5	BR	NA	1+2 Transplant / 3 breaks / 100cm biodegradable grow tube / stake.
	Corylus avellana.	261	57	4	15	25	17	30	51	42	20		NA	60-80	10	BR	NA	1+2 Transplant / 3 breaks / 100cm biodegradable grow tube / stake.
	Crataegus monogyna.	1566	345	24	90	147	99	180	309	252	120		NA	60-80	60	BR	NA	1+2 Transplant / 3 breaks / 100cm biodegradable grow tube / stake.
	Ilex aquifolium.	393	87	6	23	37	26	45	76	63	30		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.
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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 recommoned rates.
g) To be planted in a double staggered row @ 45cm ctrs / 5 plants per Lm.

Hedges to be planted in a double staggered row at 450mm ctrs, 5 per Lm.

4.0	SHRUBS & GROUNDCOVER PLANTS	NO.	GIRTH	HEIGHT cm	%	TYPE	DENSITY	NOTE
S1	Prunus laurocerasus Zabeliana.	308	NA	20-30	NA	3L	5 / m2	
S2	Pittosporum tenuifolium Tom Thumb.	92	NA	20-30	NA	3L	5 / m2	
S3	Lavandula angustifolia 'Rosea'.	10	NA	45-60	NA	3L	4 / m2	
S4	Escallonia SlieveDonard.	80	NA	30-45	NA	3L	3 / m2	
S5	Pennesitum vollosum.	99	NA	30-45	NA	3L	3 / m2	
S6	Stipa tenuissima.	145	NA	30-45	NA	3L	3 / m2	

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.	100	NA	10	100	BR	2/m2	Rabbit spiral protection.
	Carpinus betulus.	150	NA	15	150-175	BR	2/m2	Feathered / Single low stake / rabbit spiral protection.
	Cornus sanguinea.	50	NA	5	100	BR	2/m2	Rabbit spiral protection.
	Corylus avellana.	350	NA	35	100	BR	2/m2	Rabbit spiral protection.
	Pinus sylvestris.	100	NA	10	100	RB	2/m2	Rabbit spiral protection.
	Prunus avium.	150	NA	15	100	BR	2/m2	Rabbit spiral protection.
	Crataegus monogyna.	50	NA	5	100	BR	2/m2	Rabbit spiral protection.
	Prunus spinosa.	50	NA	5	100	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 supply 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.

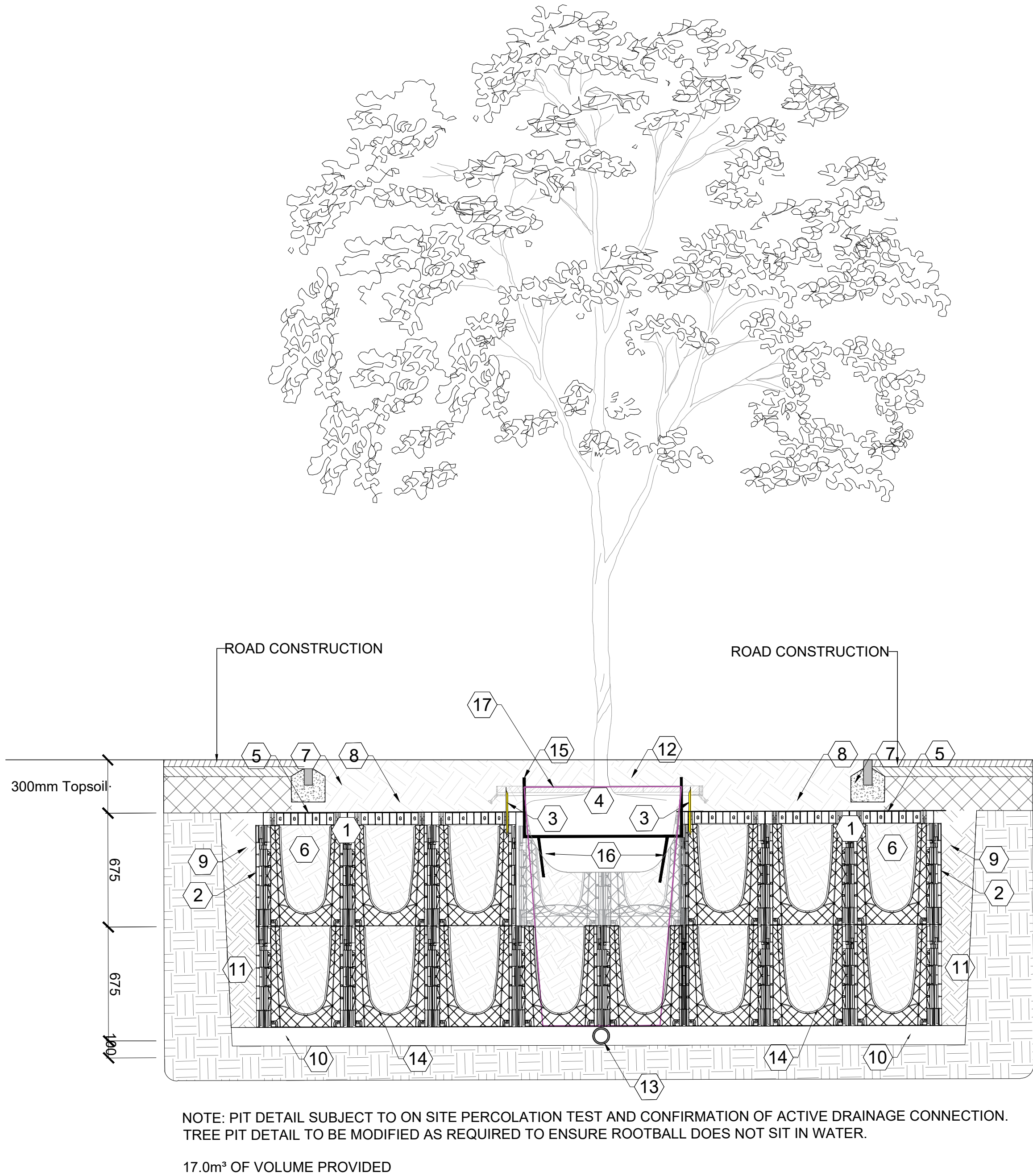
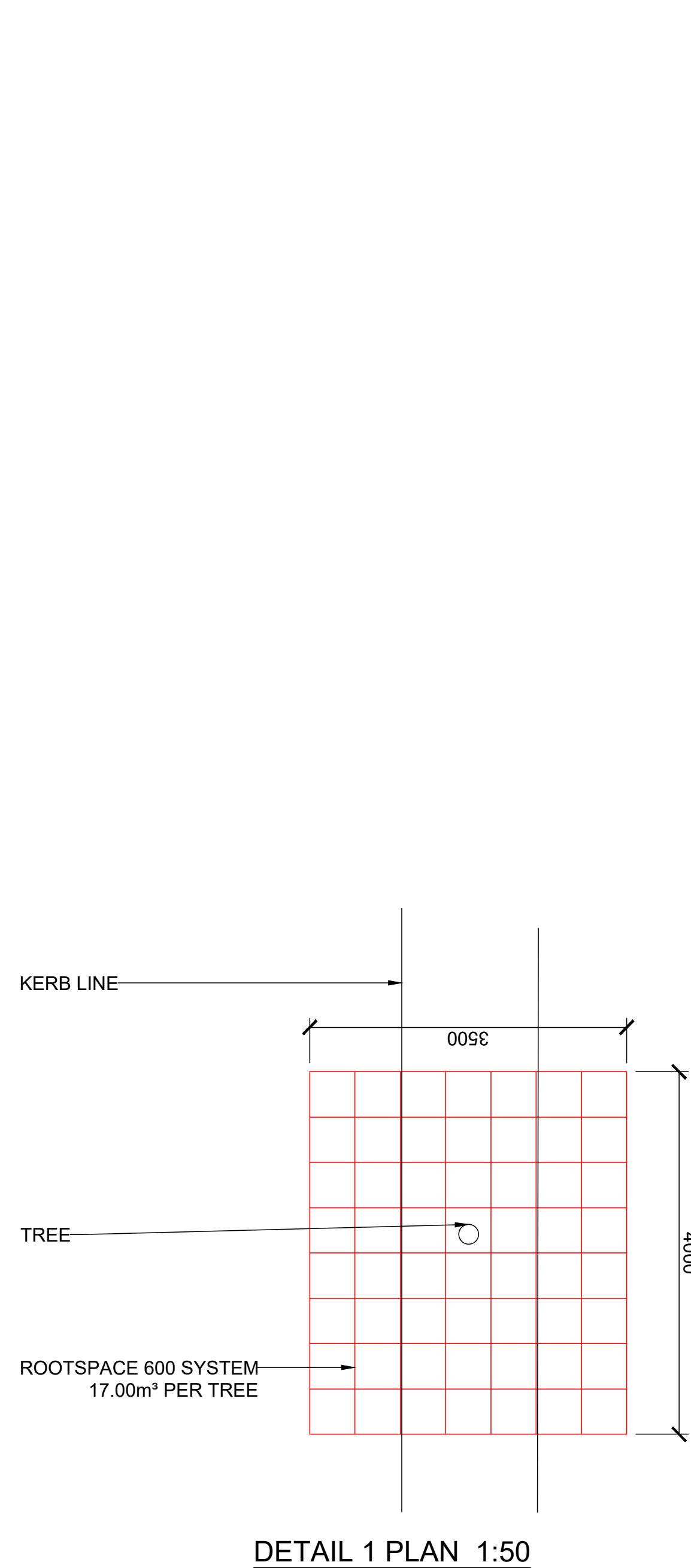
WILDFLOWER AREAS

- No topsoil is required within wilflower 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.

8	Planting schedule updated 19/02/2025	AP
7	Planting schedule updated 10/12/2024	AP
6	Planting schedule updated 14/11/2024	AP
5	Planting schedule updated 16/08/2024	AP
4	Planting schedule updated 17/07/2024	AP
3	Planting schedule updated 23/02/2024	AP
2	Updated to revised layout 4/10/2023	AP
1	Issued for comment - 29/09/2023	AP

NOTE:
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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.23.1288.102r8



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:

- 1.** 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.
- 2.** 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:

- 1.** 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.
- 2.** 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, 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	