

1 Topsoil: Topsoil shall be spread to min 450mm depth over planting beds and 150mm depth over turf areas and graded to fall. Topsoil should be in accordance with BS3882:2015 and where subsoil is required, to be in line with BS8601:2013.

2 Herbicide and Cultivation: Topsoil to be treated with an application of herbicide prior to planting, where necessary, strictly in accordance with the Control of Pesticides Regulations 1986 (or otherwise updated/ superceded legislation), and following manufacturer's instructions by qualified staff. The topsoil shall then be cultivated to 150mm depth.

3 Container Grown Shrubs: Shrubs and transplants shall comply with the National Plant Specification. Shrubs shall be planted in pits 300 x 300 x 200mm depth, and the backfill shall include 3 litres Peat Free Tree and Shrub Compost. Specimen plants to be planted in a pit 400 x 400 x 250mm depth with 5 litres Tree and Shrub Compost. BR whips should be notch planted as required and healed into position. Climbers to be installed with climbing supports, e.g ties and canes, as required

4 Herbicide: Spot treat with herbicide throughout the maintenance period in accordance with the manufacturer's instructions.

5 Bark Mulch: All Ornamental Planting beds to receive 75mm depth pulverised ornamental bark mulch.

6 Position of Plants: Final position of trees and shrubs subject to confirmation of service location and approval of statutory undertakers.

7 SEMI-AUTOMATIC / MULTI-STEM IN SOFT LANDSCAPE: Tree pit 1000x1000x900mm depth with 150mm depth of clean stone to the base, 300mm depth good quality topsoil to BS5838:2015 and subsoil to BS5601:2013. If planted within lawn tree to be set in circle area of bark mulch 75mm depth at 500mm diameter. Stakes to be 3Nr 100mm diameter with cross bar, treated softwood driven firmly into the ground. Double stakes to be 1000mm above ground and fixed to tree with suitable rubber tree ties (with the tree in the middle). Trees to be planted with an irrigation pipe (to wrap around the rootball of the tree) and secure the end of the pipe to the tree stake. To be installed initially with water tree bags. Due to windy nature of the site trees also to be below ground guyed.

SEMI- MATURE IN HARD PAVING: Tree set in recessed tree grill, with paving inserts to match wider paving. Root Rain Hydro grille irrigation inlet. Trees to be secured with underground guying system

Perennial Mixes to be planted in groups of 3 - 6
Groups to be planted in blocks containing one of each group.
Blocks to be repeated throughout the planting bed, as closely as possible, to create repetition.
e.g plant mixes made up of plant percentages 40%, 20%, 20% and 20% to be planted in groups of 6, 3, 3, 3.

Bulb Mixes to be planted in groups of 5 - 9
Groups to be planted in blocks containing one of each group.
Blocks to be repeated throughout the planting bed, as closely as possible, to create repetition.

and below ground structural cell system (Root space or similar approved). Root deflectors required to prevent pavement lift and root barriers required if services in close proximity. Growing medium within the below ground cell system is to be the Arborcraft Soil. Integrated lighting point set within the grill. Loose gravel infill around the collar of the tree.

8 Watering: Plant only into moist soil and water thoroughly to the full depth of soil immediately after planting. Water regularly through the establishment period (minimum 3 months) to prevent dehydration. The trees should be watered through the irrigation pipe to ensure that the water gets down to the rootball. These trees should be watered regularly throughout spring-summer during the first 2 years to ensure that the tree root system establish well.

9 Turf: Complete ground preparations before turf is delivered to site to avoid turf drying out. Turf should be laid immediately on delivery. Remove all existing vegetation from area to be turfed and spread 150mm depth of top soil. Dig over or rotavate soil before laying turf if soil is compacted. Rake, lightly compact, and water soil. Stagger the joins when laying the turf. Water turf after laying and every day for the next 2-3 days, especially in periods of low rainfall.

10 Bulb Planting: Plant spring flowering bulbs (e.g. daffodils, tulips, spring flowering crocus) in autumn and autumn flowering (e.g. autumn crocus, cyclamen) bulbs in late summer. Plant bulbs at 8 per m² in planting beds and 25 per m² in lawn. Plant bulbs at a depth 2-3 times their height with the shoot facing upwards. Refill the holes and lightly compact soil to avoid damaging bulbs.

11 Soil compaction is likely to have occurred during construction on site. A site inspection should be carried out by a landscape professional to assess the level of soil compaction, including drainage testing to see if the ground is likely to become waterlogged. If the ground is deemed to be too compacted for plant growth and to drain adequately then remediation works should be carried out. This could include rotavation of the soil using a push along rotavator and/or ground being broken up with spades or small machinery. A second site inspection should then take place to ensure that the soil is fit for purpose.

12 Tree species selected subject to soil conditions and NHBC guidance. Root barriers may be required subject to findings from soil analysis and engineer's details.

13 Landscape architect to visit nursery to approve tree stock and pictorial imagery provided of quality and size of stock

14 All rootball sizes to be confirmed by supplier/landscape contractor to ensure earth mounding heights are adequate

Plant Schedule (Individual)											
Climber											
Nr	Code	Plant Name	Height/Spread/Grade	Gwth	Age	Root	Container	Habit		Form	Density/m2
34	CW	Clematis urophylla 'Winter Beauty'	80-100cm			C	5-7.5L				
3	Hyd ap	Hydrangea anomala pefoliata	60-80cm				5-7.5L	Several shoots			
14	Lon	Lonicerajaponica 'Halliana'	100-125cm		1/1	C	SL	Several shoots			
Hedge											
Nr	Code	Plant Name	Height/Spread/Grade	Gwth	Age	Root	Container	Habit		Form	Density/m2
98	Tb	Taxus Baccata	100cm			C		Width 60cm		1m Instant Hedge Troughs, Pre-clipped	1.00 /1m
57	Tb (200cm)	Taxus Baccata (200cm)	200cm			C		Width 60cm		1.5m Instant Hedge Troughs, Pre-clipped	0.67 /1m
Herbaceous											
Nr	Code	Plant Name	Height/Spread/Grade	Gwth	Age	Root	Container	Habit		Form	Density/m2
163	Ag	Allium giganteum								Bulb	7.00
9	AHM	Anemone hybrida 'Max Vogel'	40-60cm			C	SL				
14	AHW	Anemone hybrida 'Whirlwind'	40-60cm			C	SL				5.00
20	Aj rp A	Ajuga reptans 'Atropurpurea'	20-40cm			C	SL				5.00
85	Ar	Ajuga reptans	20-40cm			C	SL				5.00
37	ASC	Anemone x hybrida 'September Charm'	40-60cm			C	SL				
25	B8W	Berberia 'Bressingham White'	20-40cm			C	SL				5.00
22	CaKf	Calamagrostis arundinacea 'Karl Foerster'	80-100cm			C	5-7.5L				
158	CAM	Carex comans 'Amazon Mist'	20-40cm			C	SL				5.00
151	CFC	Carex comans 'Frosted Curls'	20-40cm			C	SL				5.00
60	Dnp	Dryopteris filix-mas	40-60cm			C	SL				
75	Dsc	Deschampsia cespitosa 'Goldtau'	40-60cm			C	SL				5.00
41	EcW	Echinacea purpurea 'White Swan'	40-60cm			C	SL				
25	Hi or WL	Heleborus orientalis 'White Lady'	40-60cm			C	SL				5.00
12	LmW	Liriope muscari 'Monroe White'	20-40cm			C	SL				5.00
5	Msf	Miscanthus sinensis 'Flamingo'	40-60cm(D)			C	SL				
261	Nic A	Narcissus 'Actaea'								Bulb	25.00
93	Nic C	Narcissus 'Cheerfulness'								Bulb	11.00
18	OpN	Ophiopogon planiscapus 'Nigrescens'	20-40cm			C	SL				
122	PDR	Pericaria affine 'Daisyleigh Red'	40-60cm			C	SL				5.00
1	PRB	Phloxum 'Pitt's Black'	60-80cm			RB				Column Formed	
15	RIG	Rudbeckia fulgida 'Goldsturm'	40-60cm			C	SL				5.00
53	Sbs	Stachys byzantina 'Silver Carpet'	20-40cm			C	SL				5.00
181	St	Stipa tenuissima 'Pony Tail'	40-60cm			C	SL				5.00
9	StG	Stipa gigantea	40-60cm			C	SL				
192	TRs	Tulipa 'Red Shine'								Bulb	11.00
Shrub											
Nr	Code	Plant Name	Height/Spread/Grade	Gwth	Age	Root	Container	Habit		Form	Density/m2
1	CYL	Cotinus coggygria 'Young Lady'	80-100cm			C	20-25L			Specimen	
315	EEG	Euonymus fortunei 'Emerald 'n' Gold'	40-60cm			C	SL	Bushy			4.00
45	HB GG	Hebe 'Green Globe'	40-60cm			C	SL				4.00
388	HBG	Hebe fronsicana 'Blue Gem'	30-40cm			C	SL				4.00
18	HWG	Hebe 'White Gem'	40-60cm			C	SL	Bushy			4.00
6	lCb	Ilex crenata 'Dark Green' (Ball)	60cm		0/1	C	30L			Specimen	
3	lcr- P	Ilex crenata 'Kimmer' - Pam Pam	100-120cm			C	30L			Topiary - Flat Pam-pam	
124	PRR	Photinia x fraseri 'Red Robin'	60-80cm			C	SL			Leader with laterals	3.00
166	PI	Pachysandra terminalis	30-40 (D)			C	SL	Several shoots			5.00
7	PIGB	Pittosporum tenuifolium 'Golf Ball'	60-80cm			C	20L				
6	PIp	Phloxium tenax 'Purpureum'	100-120cm			C	20-25L			Triple crown	
17	Sh	Sarcococca humilis	40-60cm			C	SL				4.00
304	Sk KG	Skimmia confusa 'Kew Green'	40-60cm			C	SL	Bushy			4.00
134	VEP	Viburnum lirus 'Eve Pice'	60-80cm			C	SL	Leader with laterals			3.00
340	VmAp	Vinca minor 'Atropurpurea'	20-40cm			C	SL				5.00
116	VmV	Vinca major 'Variegata'	20-40cm			C	SL				5.00
Tree											
Nr	Code	Plant Name	Height/Spread/Grade	Gwth	Age	Root	Container	Habit		Form	Density/m2
1	AC	Amelanchier canadensis	Min.450cm	20-25cm	2x	Air Pot		Min. 200cm Clear Stem		Semi-Mature	
19	Acz cm E	Acier campestre 'Elstijk'	Min.450cm	20-25cm	5x	Air Pot		Min. 200cm Clear Stem		Semi-Mature	
2	Aln g (S)	Alnus glutinosa (Semi-Mature)	Min. 600cm	30-35cm	3x	Air Pot		Min. 200cm Clear Stem		Semi-Mature	
14	Buj	Betula utilis jacquemontii	Min. 450cm	20-25cm	2x	Air Pot		Min. 3 breaks		Multi-stem	
18	Buj (20-25cm)	Betula utilis jacquemontii (20-25)	min.450cm	20-25cm	3x	Air Pot		Min. 200cm clear stem		Semi-Mature	
5	Buj (S)	Betula utilis jacquemontii (30-35)	Min. 600cm	30-35cm		Air Pot		Min. 3 breaks		Multi-stem/Semi Mature	
1	CcFp	Cercis canadensis 'Forest Pansy'	Min.450cm		3x	Air Pot		Min. 3 breaks		Multi-stem	
1	Ee	Euonymus europaeus	Min.450cm	20-25cm		Air Pot		Min.200cm Clear Stem		Semi-Mature	
1	Uq	Liquidambar styraciflua	Min. 600cm	30-35cm	2x	Air Pot		Min. 200cm Clear Stem		Semi-Mature	
1	Mi gr	Magnolia grandiflora	Min. 600cm	30-35cm		Air Pot		Min. 200cm Clear Stem		Semi-Mature	
1	Pa p	Parrotia persica	Min. 600cm	30-35cm		Air Pot		Min. 200cm Clear Stem		Semi-Mature	
7	Prs	Pinus sylvestris	Min.450cm	20-25cm		Air Pot		Min. 300cm Clear Stem		Semi-Mature	
7	Prs (S)	Pinus sylvestris (Semi-Mature)	Min. 600cm	30-35cm	6x	Air Pot		Min. 200cm Clear Stem		Semi-Mature	
5	P8	Prunus 'Sunset Boulevard'	Min.450cm	20-25cm	3x	Air Pot		Min. 200cm Clear Stem		Semi-Mature	

Plant Schedule (Mix)												
Bulb Mix A												
Nr	Code	Plant Name	Mix%	Height/Spread/Grade	Girth	Age	Root	Container	Habit	Form	Density/m2	
298	Ag	Allium giganteum	20.00 %									
298	AME	Allium 'Mount Everest'	20.00 %							Bulb	7.00	
476	NCS	Narcissus 'Cheerfulness'	20.00 %							Bulb	11.00	
476	TK	Tulipa sylvestris 'Kaufen'	20.00 %							Bulb	11.00	
476	TRS	Tulipa 'Red Shine'	20.00 %							Bulb	11.00	
Bulb Mix B												
Nr	Code	Plant Name	Mix%	Height/Spread/Grade	Girth	Age	Root	Container	Habit	Form	Density/m2	
263	NC	Narciss 'Cheerfulness'	25.00 %							Bulb	11.00	
263	NIC	Narcissus 'Ice Follies'	25.00 %							Bulb	11.00	
263	TK	Tulipa sylvestris 'Kaufen'	25.00 %							Bulb	11.00	
263	Ts	Tulipa sylvestris	25.00 %							Bulb	11.00	
Mix A												
Nr	Code	Plant Name	Mix%	Height/Spread/Grade	Girth	Age	Root	Container	Habit	Form	Density/m2	
16	EVb	Echinops ritro 'Veitch's Blue'	20.00 %	40-60cm			C	5L			5.00	
16	ITN	Iris 'Tropic Night'	20.00 %	40-60cm			C	5L			5.00	
33	saS	Stipa arundinacea 'Sirroco'	40.00 %	40-60cm			C	5L			5.00	
16	Vb	Verbena bonariensis	20.00 %	40-60cm			C	5L			5.00	
Mix B												
Nr	Code	Plant Name	Mix%	Height/Spread/Grade	Girth	Age	Root	Container	Habit	Form	Density/m2	
75	CAM	Carex comans 'Amazon Mist'	40.00 %	20-40cm			C	5L			5.00	
37	Ema	Echinacea 'Magnus'	20.00 %	40-60cm			C	5L			5.00	
37	PBS	Perovskia 'Blue Spire'	20.00 %	40-60cm			C	5L			5.00	
37	Ss	Salvia superba	20.00 %	40-60cm			C	5L			5.00	
Mix C												
Nr	Code	Plant Name	Mix%	Height/Spread/Grade	Girth	Age	Root	Container	Habit	Form	Density/m2	
65	DG	Deschampsia 'Goldtau'	40.00 %	40-60cm			C	5L			5.00	
34	ITN	Iris 'Tropic Night'	20.00 %	40-60cm			C	5L			5.00	
34	Po	Pennisetum orientale	20.00 %	40-60cm			C	5L			5.00	
34	Vb	Verbena bonariensis	20.00 %	40-60cm			C	5L			5.00	
Mix D												
Nr	Code	Plant Name	Mix%	Height/Spread/Grade	Girth	Age	Root	Container	Habit	Form	Density/m2	
127	Asc	Asplenium scolopendrium	40.00 %	40-60cm			C	5L			5.00	
63	GA	Geranium 'Album'	20.00 %	40-60cm			C	5L			5.00	
63	HLK	Heuchera 'Key Lime Pie'	20.00 %	40-60cm			C	5L			5.00	
63	RG	Rudbeckia 'Goldstrum'	20.00 %	40-60cm			C	5L			5.00	
Mix E												
Nr	Code	Plant Name	Mix%	Height/Spread/Grade	Girth	Age	Root	Container	Habit	Form	Density/m2	
100	AHJ	Anemone x hybrida 'Honorable Jobert'	30.00 %	40-60cm			C	5L			5.00	
100	AqR	Aquilegia 'Red Dream'	30.00 %	40-60cm			C	5L			5.00	
66	DsG	Deschampsia 'Goldtau'	20.00 %	40-60cm			C	5L			5.00	
66	Ha	Helleborus argutifolius	20.00 %	40-60cm			C	5L			5.00	
Mix F												
Nr	Code	Plant Name	Mix%	Height/Spread/Grade	Girth	Age	Root	Container	Habit	Form	Density/m2	
35	Am	Astrantia major	30.00 %	40-60cm			C	5L			5.00	
35	ASC	Anemone 'September Charm'	30.00 %	40-60cm			C	5L			5.00	
24	HPP	Heuchera villosa 'Palace Purple'	20.00 %	40-60cm			C	5L			5.00	
24	Pb	Persicaria bistorta	20.00 %	40-60cm			C	5L			5.00	
Mix G												
Nr	Code	Plant Name	Mix%	Height/Spread/Grade	Girth	Age	Root	Container	Habit	Form	Density/m2	
83	CFC	Carex comans 'Frosted Curly'	30.00 %	20-40cm			C	5L			5.00	
57	GJ	Geranium 'Johnson's Blue'	20.00 %	40-60cm			C	5L			5.00	
83	Pb	Persicaria bistorta	30.00 %	40-60cm			C	5L			5.00	
57	Pc	Papaver cambricum	20.00 %	40-60cm			C	5L			5.00	
Mix H												
Nr	Code	Plant Name	Mix%	Height/Spread/Grade	Girth	Age	Root	Container	Habit	Form	Density/m2	
72	ASC	Asplenium scolopendrium	25.00 %	40-60cm			C	5L			5.00	
72	GSp	Geranium macrorrhizum 'Spessart'	25.00 %	40-60cm			C	5L			5.00	
72	HWL	Helleborous 'White Lady'	25.00 %	40-60cm			C	5L			5.00	
72	Lni	Luzula nivea	25.00 %	40-60cm			C	5L			5.00	
Mix I												
Nr	Code	Plant Name	Mix%	Height/Spread/Grade	Girth	Age	Root	Container	Habit	Form	Density/m2	
27	DcG	Deschampsia cespitosa 'Goldtau'	40.00 %	40-60cm			C	5L			5.00	
14	ITN	Iris 'Tropic Night'	20.00 %	40-60cm			C	5L			5.00	
14	PBL	Papaver orientale 'Beauty of Livermere'	20.00 %	40-60cm			C	5L			5.00	
14	saS	Stipa arundinacea 'Sirroco'	20.00 %	40-60cm			C	5L			5.00	
TPM Ornamental Structure Mix												
Nr	Code	Plant Name	Mix%	Height/Spread/Grade	Girth	Age	Root	Container	Habit	Form	Density/m2	
15	Ca	Corylus avellana	10.00 %	60-80cm		1/1	C	5L	Branched		2.00	
15	Cms sn	Cornus sanguinea	10.00 %	60-80cm			C	5L	Branched		2.00	
31	MnUJ	Mahonia x media 'Underway'	20.00 %	60-80cm		1/1	C	5L			2.00	
53	PRR	Photinia x fraseri 'Red Robin'	35.00 %	60-80cm			C	5L	Bushy		2.00	
38	Vt	Viburnum tinus	25.00 %	60-80cm			C	5L	Bushy		2.00	

Note: Mixes to be planted in groups of 3 or 6

1. This drawing is the copyright of tpm landscape Ltd and cannot be reproduced in any form without the consent of the company.
2. This drawing is to be read in conjunction with detail landscape drawings, details and specification.
3. This drawing is to be read in conjunction with all relevant Architects', Engineer's, Specialists, Bills of Quantities and Specifications.
4. The insertion of any firm or proprietary brand on this drawing is an indication of the class or quality required and does not exclude the use of alternative materials that are equal in performance, quality and appearance, provided that they have been approved in writing by the Landscape Architect.
5. The Contractor is responsible for accurately ascertaining the position of underground services and responding to all relevant service easement requirements.
6. All dimensions are in millimetres unless stated otherwise, for the purposes of construction this drawing must not be scaled and only written dimensions used. Written and scaled dimensions to be checked on site, any discrepancies reported prior to work commencing, IF IN DOUBT PLEASE ASK.
7. All work and materials are to be in accordance with the relevant British Standards and Code of Practice.
8. All Proprietary products are to be used strictly in accordance with the manufacturer's instructions and details.

Rev	By	Description	Date
P1	GBS	First Issue	17.05.22

Description	Value
1. <i>Staphylococcus aureus</i>	1.0
2. <i>Escherichia coli</i>	2.0
3. <i>Salmonella enterica</i>	3.0
4. <i>Streptococcus pneumoniae</i>	4.0
5. <i>Neisseria meningitidis</i>	5.0
6. <i>Haemophilus influenzae</i>	6.0
7. <i>Legionella pneumophila</i>	7.0
8. <i>Campylobacter jejuni</i>	8.0
9. <i>Yersinia enterocolitica</i>	9.0
10. <i>Shigella flexneri</i>	10.0
11. <i>Brucella abortus</i>	11.0
12. <i>Mycobacterium tuberculosis</i>	12.0
13. <i>Coccidioides immitis</i>	13.0
14. <i>Histoplasma capsulatum</i>	14.0
15. <i>Cryptosporidium parvum</i>	15.0
16. <i>Toxoplasma gondii</i>	16.0
17. <i>Giardia lamblia</i>	17.0
18. <i>Naegleria fowleri</i>	18.0
19. <i>Acanthamoeba castellanii</i>	19.0
20. <i>Plasmodium falciparum</i>	20.0
21. <i>Trypanosoma brucei</i>	21.0
22. <i>Leishmania donovani</i>	22.0
23. <i>Amoeba baumannii</i>	23.0
24. <i>Entamoeba histolytica</i>	24.0
25. <i>Trichomonas vaginalis</i>	25.0
26. <i>Trichinella spiralis</i>	26.0
27. <i>Strongyloides stercoralis</i>	27.0
28. <i>Ascaris lumbricoides</i>	28.0
29. <i>Trichostrongylus axei</i>	29.0
30. <i>Trichostrongylus colubriformis</i>	30.0
31. <i>Trichostrongylus evansi</i>	31.0
32. <i>Trichostrongylus colubriformis</i>	32.0
33. <i>Trichostrongylus axei</i>	33.0
34. <i>Trichostrongylus colubriformis</i>	34.0
35. <i>Trichostrongylus axei</i>	35.0
36. <i>Trichostrongylus colubriformis</i>	36.0
37. <i>Trichostrongylus axei</i>	37.0
38. <i>Trichostrongylus colubriformis</i>	38.0
39. <i>Trichostrongylus axei</i>	39.0
40. <i>Trichostrongylus colubriformis</i>	40.0
41. <i>Trichostrongylus axei</i>	41.0
42. <i>Trichostrongylus colubriformis</i>	42.0
43. <i>Trichostrongylus axei</i>	43.0
44. <i>Trichostrongylus colubriformis</i>	44.0
45. <i>Trichostrongylus axei</i>	45.0
46. <i>Trichostrongylus colubriformis</i>	46.0
47. <i>Trichostrongylus axei</i>	47.0
48. <i>Trichostrongylus colubriformis</i>	48.0
49. <i>Trichostrongylus axei</i>	49.0
50. <i>Trichostrongylus colubriformis</i>	50.0
51. <i>Trichostrongylus axei</i>	51.0
52. <i>Trichostrongylus colubriformis</i>	52.0
53. <i>Trichostrongylus axei</i>	

Description

Planting Plan (Sheet 2 of 2)

Status

For Approval

Scale @ A1	Drawn	Checked	Date
1:250	GBS	KH	17.05.22
Drawing number			Revision
ZD-TPM-G710-PL-XX-4029 204			P1