NOTES ON PLANTING

1. Topsoil / Subsoil: 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. It is recommended that samples are tested with Certification and Analysis Reports with a concise analysis. To be provided to the landscape Architect / Client for approval. If the soil doesn't meet the BS standard specialist advise should be received to see if the soil can be improved.

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where necessary, strictly in accordance with the Control of Pesticides Regulations 1986 (or otherwise updated / superceded legislation), and following manufacturers instructions and undertaken by qualified staff. The topsoil shall then be cultivated to 150mm depth)

3. Container Grown Shrubs, Transplants and Whips: 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 x250mm depth with 5 litres Tree and Shrub Compost. BR whips should be notch planted as required and healed into position. All whips to be protected by a spiral bound shrub guard secured into place with a timber cane. When in public locations it may be necessary to have caps to the canes. Hedgerow planting to be planted in a double staggered row at 400mm centres.

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. On excavation of the tree pit a bucket test should be undertaken to review the water infiltration. Certain species of trees will decline if the ground drainage is poor. Monitor the water egress. If water sits for long periods or doesn't drain the pit may require further works to break up the ground. A clean stone drainage layer may assist to ensure that the root ball isn't sat within standing water.

TREES - EXTRA HEAVY STANDARDS Tree pits for extra heavy standards to be 900x900x900mm backfilled with sub soil and 300mm topsoil. Stakes to be 65mm diameter treated softwood driven firmly into the ground. Stakes to be 600mm above ground level and fixed to tree with suitable rubber tree tie. Add in 100mm depth clean stone gravel at the base of the tree pit to aid with drainage.

TREES - SEMI-MATURE STANDARDS: Tree pit 1200x1200x900mm depth back filled with sub soil and 300mm of good quality topsoil. 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. Add in 100mm depth clean stone gravel at the base of the tree pit to aid with drainage.

TREES - MULTI STEMMED/SELECTED STANDARDS: Tree pits for multi-stemmed trees to be 600x600x600mm backfilled with sub soil and 300mm of topsoil. To be secured with a double stake and crossbar. Stakes to be 65mm diameter treated softwood driven firmly into the ground. Stakes to be 600mm above ground level and fixed to several tree branches with suitable rubber tree ties.

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. Wildflower Meadow:
Timing - Sow meadow during March and April or in September. When sowing into heavy soils, sow in March/April to avoid seeds/seedlings rotting in waterlogged soils.
Ground Preparation -
- Control or remove weeds before sowing. For small areas, remove weeds by hand. For larger areas, a weed suppressing membrane or black plastic can be laid over the area 3 months prior to sowing to prevent weed growth. For larger areas and where vigorous perennial weeds, such as nettles, docks and dandelions, are present in large number, non-chemical control methods may not be effective. In these situations instead spray off existing vegetation using non-residual systemic glyphosate-containing weedkillers. Spray applications may be required more than once dependant on the site and time of year. Eradication of weeds is essential to the success of the establishment of the wildflower meadow.
- Rotavate soil and rake to make even seed bed

Sowing -
- Wildflower meadow to be sown at 4 g per m2.
- Mix wildflower seed with silver sand to aid even seed distribution and to show area that have been covered. Sow half lengthways and half widthways for even coverage.
- Rake in seeds lightly
- Do not sow seed if heavy rain is forecast

10. Grass Seeding: Sow late summer to mid autumn. Prepare ground by removing any existing vegetation, large stones and roughly levelling. An application of non-residual systemic glyphosate containing weedkiller may be required. Grass seed should be spread at 50g per metre squared After sowing, lightly rake over area and water.

11. 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 weeks, especially in periods of low rainfall.

12.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.

13. 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.

*Bark-mulch ring diameter trees in lawn.

Tree

Nr	Code	Plant Name	Height/Spread/Grade	Girth	Age	Root	Container	Habit	Form	Density/m2
5	Acr cm	Acer campestre	450-500cm	16-18cm	3x	RB			Standard (extra-heavy)	
6	Acr plt C	Acer platanoides 'Cleveland'	500-550cm	14-16cm	3x	RB			Standard (Extra Heavy)	
26	Al (M-S)	Amelanchier lamarckii (multi-stem)	200-250cm		3x	RB			Multi-stem	
2	Aln gl	Alnus glutinosa	550-600cm	16-18cm	3x	RB			Standard (extra-heavy)	
5	Ar OG	Acer rubrum 'October Glory'	600-700cm	20-25cm	6x	RB			Standard (Semi-mature)	
4	Bp	Betula pendula	450-500cm	16-18cm	3x	RB			Standard (extra-heavy)	
9	Crns ks CG	Cornus kousa 'China Girl'	200-250cm		5x	C	25-30L			
6	Fs	Fagus sylvatica	450-500cm	16-18cm	3x	RB			Standard (extra-heavy)	
10	GbFB	Ginkgo biloba 'Fastigiata Blagon'	300-350cm	10-12cm		C	45L			
11	Liquidam ba st W	Liquidambar styraciflua 'Worplesdon'	600-700cm	20-25cm	3x	RB			Standard (Semi-mature)	
15	Mxl	Magnolia x loebneri 'Leonard Messel'			4x	C	30L		Multi-stem	
6	PA	Prunus 'Amanogawa'	300-350cm	10-12cm	2x	RB			Standard (Selected)	
13	PcC	Pyrus calleryana 'Chanticleer'	600-700cm	20-25cm	4x	RB			Standard (Semi-mature)	
14	PcN	Prunus cerasifera 'Nigra'	300-350cm	10-12cm	2x	RB			Standard (Selected)	
9	PfG	Prunus futicosa 'Globosa'	300-350cm	10-12cm	2x	RB			Standard (Selected)	
3	Pm sr Sns Blv	Prunus serrulata 'Sunset Boulevard'	500-550cm	14-16cm	3x	RB			Standard (Extra Heavy)	
10	PRR-T	Photinia x fraseri 'Red Robin'-Tree	300-350cm		3x	C	15L			
9	PrS	Prunus 'Spire'	300-350cm	10-12cm		RB			Selected Standard	
6	PSA	Prunus subhirtella 'Autumnalis'	550-600cm	14-16cm	3x	RB			Standard (Extra heavy)	
9	Qr ro	Quercus robur	450-500cm	16-18cm	3x	RB			Standard (extra-heavy)	
8	Srbs ac	Sorbus aucuparia	450-500cm	16-18cm	3x	RB			Standard (extra-heavy)	
5	Tl cr	Tilia cordata	450-500cm	16-18cm		RB			Standard (Extra heavy)	

Planting Schedule(Mix)

TPM Native Hedgerow Mix

Nr	Code	Plant Name	Mix%	Height/Spread/Grade	Girth	Age	Root	Container	Habit	Form	Density/m2
1952	Crtg mn	Crataegus monogyna	60.00 %	40-60cm		1/0	B			Seedling	Planted in double staggered row at 40cm apart
325	Cryls av	Corylus avellana	10.00 %	60-80cm			C	3L	Branched		
108	Il aq	Ilex aquifolium	3.33 %	60-80cm			C	4L	Leader/Laterals		
651	Prns sp	Prunus spinosa	20.00 %	60-80cm		1/1	B		Branched		
108	Rs cn	Rosa canina	3.33 %	30-40cm			B				

TPM Native Shrub Mix B

Nr	Code	Plant Name	Mix%	Height/Spread/Grade	Girth	Age	Root	Container	Habit	Form	Density/m2
338	Crtg mn	Crataegus monogyna	25.00 %	60-80cm		1/1	BR			Transplant (seed-raised)	3.00
270	Cryls av	Corylus avellana	20.00 %	60-80cm			BR				3.00
338	Prns sp	Prunus spinosa	25.00 %	60-80cm		1u1	BR		Branched		3.00
202	Sn	Sambucus nigra	15.00 %	60-80cm			C	3L	Branched		3.00
202	Vo	Viburnum opulus	15.00 %	60-80cm			BR		Branched		3.00

✱ Contractor to review current guidance on importing, moving Oak trees for new planting. Should stock be able to be soured contractor to submit substitute options for the client, Local authority and Landscape architects review.

Planting Schedule (Individual)

Hedge

Nr	Code	Plant Name	Height/Spread/Grade	Girth	Age	Root	Container	Habit	Form	Lin/m
1749	Il aq-H	Ilex aquifolium-Hedge	100-120cm			BR	10L	Leader(s)		3.00
1204	PL	Prunus lusitanica	100-125cm			C	10L	Bushy		3.00
904	Plauro R	Prunus laurocerasus 'Rotundifolia'	100-120cm			C	10L	Bushy		3.00
1258	PRR	Photinia x fraseri 'Red Robin'	100-125cm		0/1	B	10L			3.00

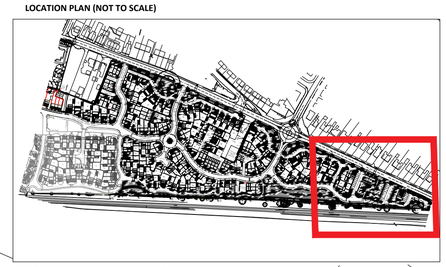
Herbaceous

Nr	Code	Plant Name	Height/Spread/Grade	Girth	Age	Root	Container	Habit	Form	Density/m2
117	Am	Alchemilla mollis	30-40cm			C	3L			5.00
38	Astr na	Aster novae-angliae	30-40cm			C	3L			5.00
66	BBW	Bergenia 'Bressingham White'	30-40cm			C	3L			5.00
210	CmSi	Carex morrowii 'Silver Sceptre'	30-40cm			C	3L			5.00
108	Cx mE	Carex morrowii 'Evergold'	30-40cm			C	3L			5.00
187	Dc	Deschampsia cespitosa	30-40cm			C	3L			5.00
130	Ep	Echinacea purpurea	30-40cm			C	3L			5.00
140	GJB	Geranium 'Johnson's Blue'	30-40cm			C	3L			5.00
100	Gxo	Geranium × oxonianum	30-40cm			C	3L			5.00
198	Hem li	Hemerocallis liliasphodelus	30-40cm			C	4L			5.00
87	HsE	Hosta sieboldiana 'Elegans'	30-40cm			C	3L			5.00
148	RfG	Rudbeckia fulgida 'Goldsturm'	30-40cm			C	3L			5.00
43	SoP	Salvia officinalis 'Purpurescens'	30-40cm			C	3L	Branched		5.00
127	Stch by	Stachys byzantina				C	5-7.5L			5.00
7	Ver bon-S	Verbena bonariensis-Specimen	30-40cm			C	3L			

Shrub

Nr	Code	Plant Name	Height/Spread/Grade	Girth	Age	Root	Container	Habit	Form	Density/m2
237	BDGS	Brachyglottis Dunedin Group 'Sunshine'	30-40cm			C	3L	Branched		4.00
128	CaA	Cornus alba 'Aurea'	40-60cm			C	3L			2.00
127	CcFC	Caryopteris x clandonensis 'First Choice'	30-40cm		1/1	C	3L			4.00
193	Ct	Choisya ternata	40-60cm			C	3L	Bushy		2.00
138	Ct5	Choisya ternata 'Sundance'	30-40cm			C	3L	Bushy		2.00
259	He AG	Hebe 'Autmn Glory'	30-40cm			C	3L			4.00
134	HmWw	Hydrangea macrophylla 'Blue Wave'	30-40cm			C	3L			2.00
13	HpL	Hydrangea paniculata 'Limelight'	60-80cm			C	10-15L			
214	HWG	Hebe 'White Gem'	30-40cm			C	3L	Bushy		4.00
150	Hypr H	Hypericum 'Hidcote'	30-40cm			C	3L			4.00
38	LaH	Lavandula angustifolia 'Hidcote'	30-40cm			C	5L	Bushy		4.00
165	Lct DD	Leucothoe fontanesiana 'Dark Diamond'	30-40cm		2x	C	3L			4.00
148	Nd	Nandina domestica	40-60cm			C	5L	Single or several shoots		4.00
100	Nnd dm F	Nandina domestica 'Firepower'	30-40cm			C	3L			4.00
21	PBE	Philadelphus 'Belle Etoile'	40-60cm			C	10-15L	Branched		
136	PfAb	Potentilla fruticosa 'Abbotswood'	30-40cm(D)			C	5L	Bushy		4.00
198	PFF	Pieris floribunda 'Forest Flame'	30-40cm			C	3L	Bushy		4.00
11	PPB	Phormium 'Platt's Black'	60-80cm		2x	C	10-15L			
14	PRR B	Photinia x fraseri 'Red Robin' - Ball on stem	150-175cm			C	15L	Leader	Standard	
164	Ptt tn TT	Pittosporum tenuifolium 'Tom Thumb'	30-40cm			C	3L	Bushy		2.00
40	RB	Rosa 'Bonica'	60-80cm			C	10L			
227	Sh	Sarcococca humilis	20-25cm			C	5L			4.00
136	SjG	Spiraea japonica 'Goldflame'	30-40cm			C	3L	Bushy		4.00
214	SjR	Skimmia japonica 'Rubella'	30-40cm			C	3L	Bushy		4.00
200	Sk KG	Skimmia confusa 'Kew Green'	30-40cm			C	3L	Bushy		4.00
19	Sp Ar	Spiraea 'Arguta'	60-80cm			C	10L	Branched		
14	ThjAN	Thuja orientalis 'Aurea Nana'	40-60cm		1/2	C	10L		Transplant	
262	VcmA	Vinca minor 'Alba'				C	3L			4.00
249	Vd	Viburnum davidii	20-25cm			C	3L	Bushy		4.00
176	VmAp	Vinca minor 'Atropurpurea'	30-40cm			C	3L			4.00
175	Vt	Viburnum tinus	30-40cm			C	3L	Bushy		2.00

LOCATION PLAN (NOT TO SCALE)



refers to 4656 204

LEGEND

Existing Trees and Hedges to be Retained
Refer to Arboricultural Implication Study (2013),1358_AIA_APR_2013_RRRR by A.C.S consulting

Proposed Spine Road Trees
Trees to be planted as 20-25cm girth, Semi-Mature, 6-7m high with 2.5m clear stem. Trees to be secured with underground guying system.

Proposed POS Native Trees
Trees to be planted as 16-18cm, Extra Heavy Standard, 4.5-6m high with 2m clear stem. Trees to be secured with underground guying system.

Proposed Medium Trees
Extra Heavy Standard, 14-16cm girth, 3.5-4m high to be planted with a double timber stake secured with a rubber tree tie.

Proposed Small Ornamental Tree
Trees to be planted as 10-12cm girth, Selected Standard, 3-3.5m with multi-stem.

Proposed Ornamental Planting
Proposed shrubs and flowering herbaceous to be planted as 3-5L pots at 2-5 per sq.m. and enhanced by feature specimens in 10-20L pots.

Proposed Native Shrub Mix
To be planted as bare root stock, 60-80cm, planted at 2/m2.

Proposed Ornamental Hedgerows
Evergreen hedgerow to be planted in 10L containers at a rate of 3-4 per lin. metre.

Proposed Single-specie Native Hedgerow
Native Evergreen hedgerow to be planted in trough at a rate of 3-4 per lin. metre., 100-120cm height, bare-root stock.

Proposed Native Hedgerows
Evergreen hedgerows to be planted in 10L containers, double staggered, 300mm centres, at a rate of 5 per lin. metre.

Proposed Amenity Grass
Front gardens to be turfed.
Back gardens to client specification.
Public Open Space to be seeded

Proposed Wildflower Meadow
To be Emorsgate EM8 Meadow Mixture, supplied by Emorsgate or similar approved. Including 80% of ornamental grasses and 20% of wildflowers. Sowing rate 4/gm2.

Proposed Mown Grass Path for POS area

Planting Schedules and notes refer to drawing 4656 205

GENERAL NOTES

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.

REVISION NOTES

Rev	By	Description	Date
A	TS	Planting in front of the pump station removed	12.12.25

Client
SG ESTATES

Project
Manor Gardens, Rhostyllen

Description
Planting Plan (5 of 5)

Status
For Approval

Scale @ A1	Drawn	Checked	Date
1:250	TS	CT	03.07.24
Job number	Drawing number		Revision
4656	205		A

N

tpm landscape
chartered landscape architects
address: 4th Floor Studio 10 Little Lever St Manchester M1 1HR
tel: 0161 235 0600 fax 0601 email info@tpmlandscape.co.uk