Planting Specification

Trees

Code	Name	Age	Girth (cm)	Root Type	Habit	Height (cm)	No	Spacing	Preparation and planting	Maintenance requirements
T-Bp	*Betula pendula*	2x	10-12	RB	Select Standard	300-350	5	As plan	Multipurpose Topsoil to comply with BS 3882. Remove any general rubbish, stones, large roots and existing weed vegetation from the planting site. Plant in the dormant season between late October to late March. Plant immediately upon delivery from the supplier. Roots must be well soaked prior to planting. Dig a planting pit larger than the root ball (at least 150mm wider in all directions) and break up the base. Back fill top soil into the planting pit to bring the root ball level with the soil surface. Place the tree into the planting pit and backfill with top soil, firming in to hold the root ball in place. Water immediately. Trees will require staking, place two stakes driven 500mm into the base of the tree pit with 600mm clearance above ground directly opposite each other with the tree in between the two. Using cross bracing and soft tree ties to secure the tree loosely to the stakes.	During the first growing season, water regularly until new roots have established. Thereafter water regularly in hot weather - trees will show signs of stress by discolouration and wilting of the leaves and leaf die back. Allow 10L per tree per day in dry weather. After the fifth year remove the stakes from the trees.
T-Pa	*Prunus avium*	2x	10-12	RB	Select Standard	300-350	4	As plan		
T-Mr	*Malus x robusta* 'Red Sentinel'	2x	10-12	RB	Select Standard	300-350	4	As plan		
T-Ms	*Malus sylvestris*	2x	10-12	RB	Select Standard	300-350	4	As plan		
T-Sa	*Sorbus aucuparia*	2x	10-12	RB	Select Standard	300-350	6	As plan		

Species rich grassland

Emorsgate Seed Mix EM2 Standard Meadow Mix	Sowing rate: 40kg/ha 16kg/acre 4g/m²	Area: 690m²	Quantity: 2,760g
Ground preparation Break up subsoil to a depth of 300mm and remove any rubbish or material greater than 50mm in any dimension. Remove perennial weeds using repeated cultivation. Apply 50mm topsoil.	Sowing Seed is best sown in the autumn or spring but can be sown at other times of the year if there is sufficient warmth and moisture. The seed must be surface sown and can be applied by machine or broadcast by hand. To get an even distribution and avoid running out divide the seed into two or more parts and sow in overlapping sections. Do not incorporate or cover the seed but firm in with a roll, or by treading, to give good soil/seed contact	Aftercare First year management Most sown meadow wild flower and grass species are perennial; they will be slow to germinate and grow and will not usually flower in their first growing season. There will often be a flush of annual weeds from the soil in the first growing season which may grow up and obscure the meadow seedlings beneath. This annual weed growth is easily controlled by topping or mowing. Mow newly sown meadows regularly throughout the first year of establishment to a height of 40-60mm, removing cuttings if dense. This will control annual weeds and help maintain balance between faster growing grasses and slower developing wild flowers. Carefully dig out or spot treat any residual perennial weeds such as docks.	Management once established In the second and subsequent years EM2 sowings can be managed in a number of ways which, in association with soil fertility, will determine the character of the grassland. The best results are usually obtained by traditional meadow management based around a main summer hay cut in combination with autumn and possibly spring mowing. Meadow grassland is not cut from spring through to late July/August to give the sown species an opportunity to flower. After flowering in July or August take a 'hay cut': cut back with a scythe, petrol strimmer to c 50mm. Leave the 'hay' to dry and shed seed for 1-7 days then remove from site. Mow the re-growth through to late autumn/winter to c 50mm and again in spring if needed.

Pond edge planting

Emorsgate Seed Mix EP1 Pond Edge Mixture	Sowing rate: 40kg/ha 16kg/acre 4g/m²	Area: 607m²	Quantity: 2,428g
Ground preparation Break up subsoil to a depth of 300mm and remove any rubbish or material greater than 50mm in any dimension. Remove perennial weeds using repeated cultivation. Apply 50mm topsoil.	Sowing Seed is best sown in the autumn or spring but can be sown at other times of the year if there is sufficient warmth and moisture. The seed must be surface sown and can be applied by machine or broadcast by hand. To get an even distribution and avoid running out divide the seed into two or more parts and sow in overlapping sections. Do not incorporate or cover the seed but firm in with a roll, or by treading, to give good soil/seed contact	Aftercare First year management In the first year, annual weed growth may be cut back to encourage the development of a good perennial ground cover. Establishment on sites prone to flooding may be patchy and may take several years to fully colonise. Carefully dig out or spot treat any residual perennial weeds such as docks.	Management once established Where the water levels in the soil are never more than 50cm below the surface, but only occasionally submerge the plants growing there, cut back and remove short sections of vegetation every 2-3 years in rotation to achieve a variation in structure, remove vegetation as a wedge, like removing a slice of cake, between September and November. If the marginal planting is only occasionally or seasonally wet, it can be managed as EM2 standard meadow mix.

Amenity turf

Turf to be certified to TGA Turf Quality Standards	Coverage: 1m² per roll	Area: 3,485m²	Quantity: 3,485 rolls
Ground preparation Once the area is clear and free of weeds, ensure you have a minimum topsoil depth of 150mm which is levelled and raked to a fine tilth. Gently walk up and down the area to identify irregularities. Dig over or rotovate the soil to loosen it up. Remove any surface stone, clods, other debris and perennial weeds. Once loosened the soil must be lightly compacted by walking over the whole area and then again at right angles to the first direction. Break up any heavily compacted areas using a fork and fill any dips, lightly compacting. Then rake the surface to a fine tilth and make sure that the surface is level. Do not use any heavy equipment on the prepared soil, such as roller, as this will compact the soil too much. Water the soil a couple of days before your turf arrives. Ensure the soil is moist to a depth of 75mm ready to provide water to the roots of the turf. This also helps the soil to settle and it will need to be raked level.	Laying the turf Lay the turf, using a straight edge, butting closely end to end. On subsequent rows stagger the joints in brickwork fashion. Lightly firm down the turves with the head of a rake or piece of wood to ensure good contact between the underside of the turf and the soil. Any remaining cracks must be filled with a light soil and tamped down. Trim the ends of the turf with a long knife, hand saw or cutting spade to shape around any trees, paths and beds. Where the outer edges of the new turf are exposed, cover with a light soil to prevent them drying out. This can be removed after a few weeks, once the turf is more established. Planks must be placed on your newly laid turf for walking along and working from to ensure the prepared soil remains level. Never use a roller on freshly laid turf as this can cause compaction if used incorrectly. Always push turf into a joint; never stretch the turves by pulling them.	Aftercare First season management Mow regularly removing no more than 1/3 of the grass blade length to maintain a sward height of 25-40mm. Alternate the direction of mowing. Keep regularly watered. Always water in the early morning or evening to minimise evapouration.	Management once established Mow and irrigate lawns regularly as required throughout the growing season (generally March - October). In the summer increase the mowing regime to twice a week unless the lawn is suffering drought in which case drop it back to once a week and increase the watering regime. Feed once a year.

MNH - Mixed native hedgerow

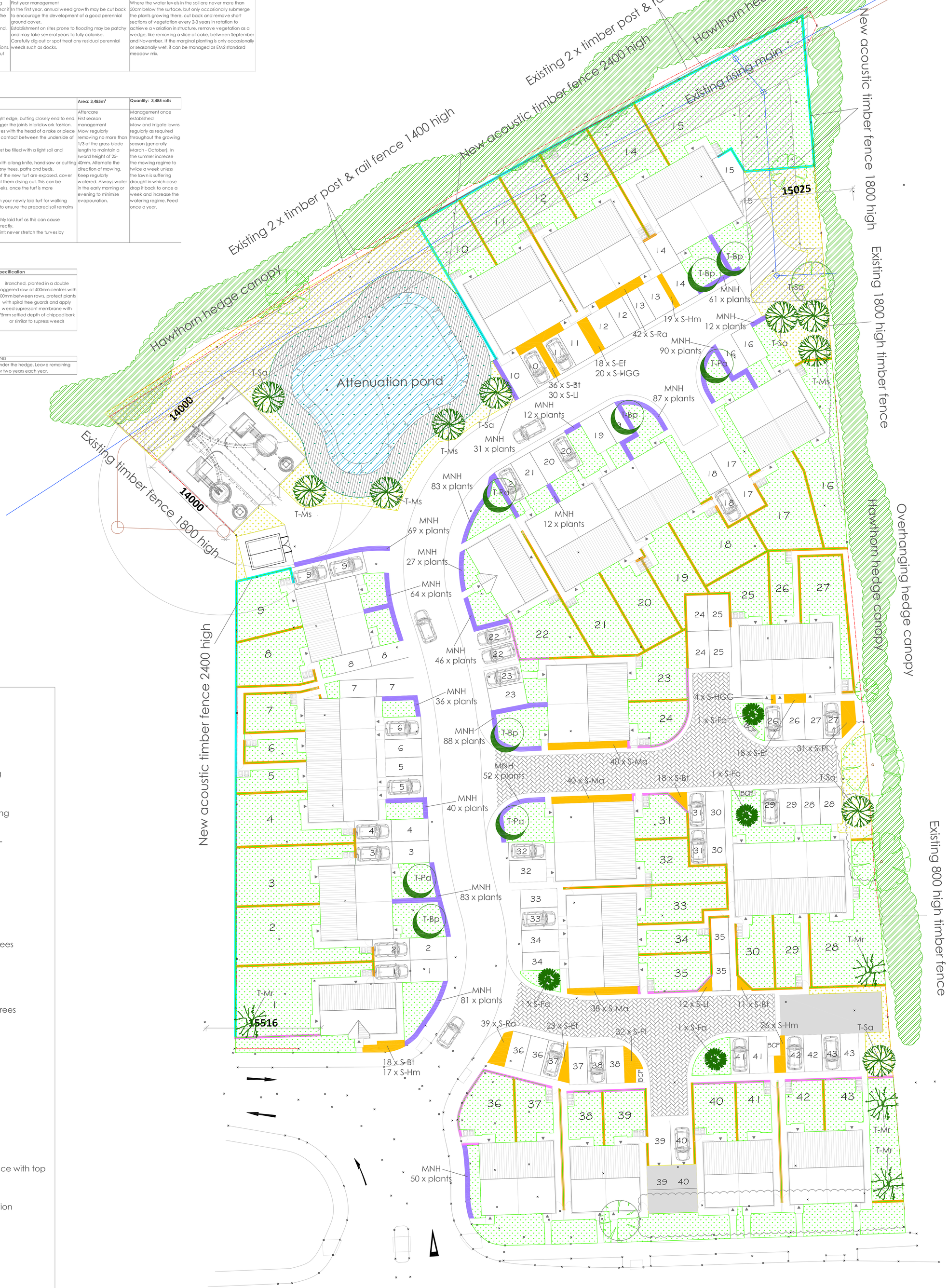
No.	% in Mix	Species Name	Grown	Height (cm)	Density	Specification
257	25%	*Corylus avellana*	BR 1+1	60-80	groups of 3-8	Branched, planted in a double staggered row at 400mm centres with 400mm between rows, protect plants with spiral tree guards and apply weed supressant membrane with 75mm settled depth of chipped bark or similar to supress weeds
102	10%	*Prunus spinosa*	BR 1+1	60-80	groups of 5-9	
51	5%	*Ilex aquifolium*	1L pot	45-60	individuals	
257	25%	*Crataegus monogyna*	BR 1+1	60-80	groups of 3-8	
51	5%	*Rosa canina*	BR 1+1	45-60	groups of 3-8	
51	5%	*Malus sylvestris*	BR 1+1	60-80	groups of 3-5	
51	5%	*Viburnum opulus*	BR 1+1	60-80	groups of 3-5	
51	5%	*Cornus sanguinea*	BR 1+1	60-80	groups of 3-8	
102	10%	*Acer campestre*	BR 1+1	60-80	groups of 3-8	
51	5%	*Lonicera periclymenum*	1L pot	45-60	individuals	

Mixed native hedgerow management

Year 1-3: Standard hedgerow establishment in accordance with supplier guidelines
Year 4 onwards: Cut no more than 90% of hedge in February, spread chippings under the hedge. Leave remaining sections to grow for 1 further year. Vary the location of sections which are left for two years each year.

Ornamental shrub planting

Code	Name	Size	Habit	Height (cm)	No	Spacing	Preparation and planting	Maintenance requirements
S-Bt	Berberis thunbergii 'Atropurpurea Nan'	2L	C	30-40	77	As plan	Multipurpose Topsoil to comply with BS 3882. Remove any general rubbish, stones, large roots and existing weed vegetation from the planting site. Break up subsoil and cultivate to a depth of 300mm. Add top soil to a further settled depth of 300mm. Plant in the dormant season between late October to late March. Plant immediately on delivery from the supplier and ensure to retain moisture to the roots. Roots shall be well soaked prior to planting. Dig a planting pit larger than the root ball (at least 100mm wider in all directions), add pelleted chicken manure or similar to the planting pit prior to planting. Back fill top soil into the planting pit to bring the root ball level with the soil surface. Place the plant into the planting pit and backfill with top soil, firming in to hold the root ball in place. Water immediately.	During the first growing season, water regularly until new roots have established. Thereafter water regularly in hot weather. Lightly prune the tips of the branches just before the growing season to make them branch out. At the end of the growing season cut away any dead, damaged, diseased or crossing branches to maintain plant health. For the first 5 years feed all new plants with a pelleted chicken manure or similar in accordance with the manufacturers guidelines, once a year at the beginning of the growing season and water in. Thereafter a mulch of organic matter such as well rotted manure or leaf manure or compost at the beginning of the growing season will maintain a healthy supply of nutrients for each plant. Top up annually to 75mm settled depth of bark chippings to the shrub bed to suppress weed growth. Remove and replace any diseased plants to prevent the spread of disease.
S-Ef	Euonymus fortunii 'Emerald Gaiety'	2L	C	30-40	59	As plan		
S-Fa	Fuchsia arborescens	10L	C	120-150	4	As plan		
S-HGG	Hebe 'Green Globe'	2L	C	30-40	24	As plan		
S-Hm	Hypericum x moserianum 'Tricolor'	2L	C	30-40	62	As plan		
S-Ll	Lonicera ligustrina 'Lemon Beauty'	2L	C	30-40	42	As plan		
S-Ma	Mahonia aquifolium 'Apollo'	3L	C	40-60	118	As plan		
S-Pl	Prunus laurocerasus 'Otto Luyken'	3L	C	40-60	63	As plan		
S-Ra	Ruscus aculeatus	2L	C	30-40	81	As plan		



KEY

- Amenity turf
- Retained native hedging
- Ornamental shrub planting
- Mixed native hedgerow - MNH
- Species rich grassland
- Pond edge planting
- Proposed front garden trees
- Proposed POS trees
- Proposed back garden trees
- Specimen shrubs
- Application boundary
- 1800 close board fence
- Boundary wall
- 1500mm close board fence with top mounted 300mm trellis
- Existing retained vegetation

0m 1m 2m 3m 4m 5m 10m 20m

N

Project Name: Barnsley Road	Drawn: TH	Checked: MB
Drawing Name: Landscape Masterplan	Date: May 2022	
Drawing No: DR-5805-01	Scale: 1:200 at A0	

FOR PLANNING

Rev	Drawn	Date
C	TH	13.15.2022
B	TH	15.11.2021
A	TH	28.10.2021

NB: for wall and fencing details see latest architect's plans.

NB: for tree protection and removal details see latest arboricultural survey plans.

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