NOTES ON PLANTING

1 Topsoil / Subsoil: Topsoil shall be spread to min 450mm depth over planting beds (including climbers to base of acoustic walls which shall have pits of 450Hx450Dx length of pit) 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where necessary, strictly in accordance with the Control of Pesticides Regulations 1986 (or otherwise updated / superceded legislation), and following manufacturers instructions and undertaken by qualified staff.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 300mm centres. Climbers to be planted with canes and ties to encourage initial vertical growth up acoustic fences.

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 - MULTISTEM, SELECTED STANDARD, HEAVY STANDARD: Tree pit to be 600x600x600mm depth. Pit backfilled with 100mm depth of clean stone to the base, 300mm depth good quality topsoil to BS3882-2015 and 200mm subsoil to BS8601:2013. If within lawn tree to be set in circle area of bark mulch 75mm depth at 500mm diameter.
Tree to be secured with 1nr stake, to be 65mm diameter treated softwood driven firmly into the ground. Stake to be pointed at one end. Stake fix to tree with adjustable soft tree tie with spacer. Rubber tree strap secured with 1No nail (galvanised round head).

EXTRA HEAVY STANDARD: Tree pit 900x900x900mm depth. Pit backfilled with 150mm depth of clean stone to the base, 300mm depth good quality topsoil to BS3882-2015 and 450mm subsoil to BS8601:2013. If planted within lawn tree to be set in circle area of bark mulch 75mm depth at 500mm diameter. 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.

ADVANCED STOCK: Tree pit 1000x1000x900mm depth with 150mm depth of clean stone to the base, 300mm depth good quality topsoil to BS3882-2015 and subsoil to BS8601:2013. If planted within lawn tree to be set in circle area of bark mulch 75mm depth at 500mm diameter. Stakes to be 2nr 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.

SEMI- MATURE IN HARD PAVING: Tree set in tree grill. Mona Relief Tree Irrigation Watering System by Green Tech integrated to be into tree grill. Trees to be secured with underground guying system and below ground structural cell system (Root space or similar approved). Root deflectors required to prevent pavement lift and root barriers required is services in close proximity. Growing medium within the below ground cell system is to be the Arborraft 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 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.

10 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
- Rotavate soil and rake to make even seed bed

Sowing -
- Wildflower meadow to be sown at 5g/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.

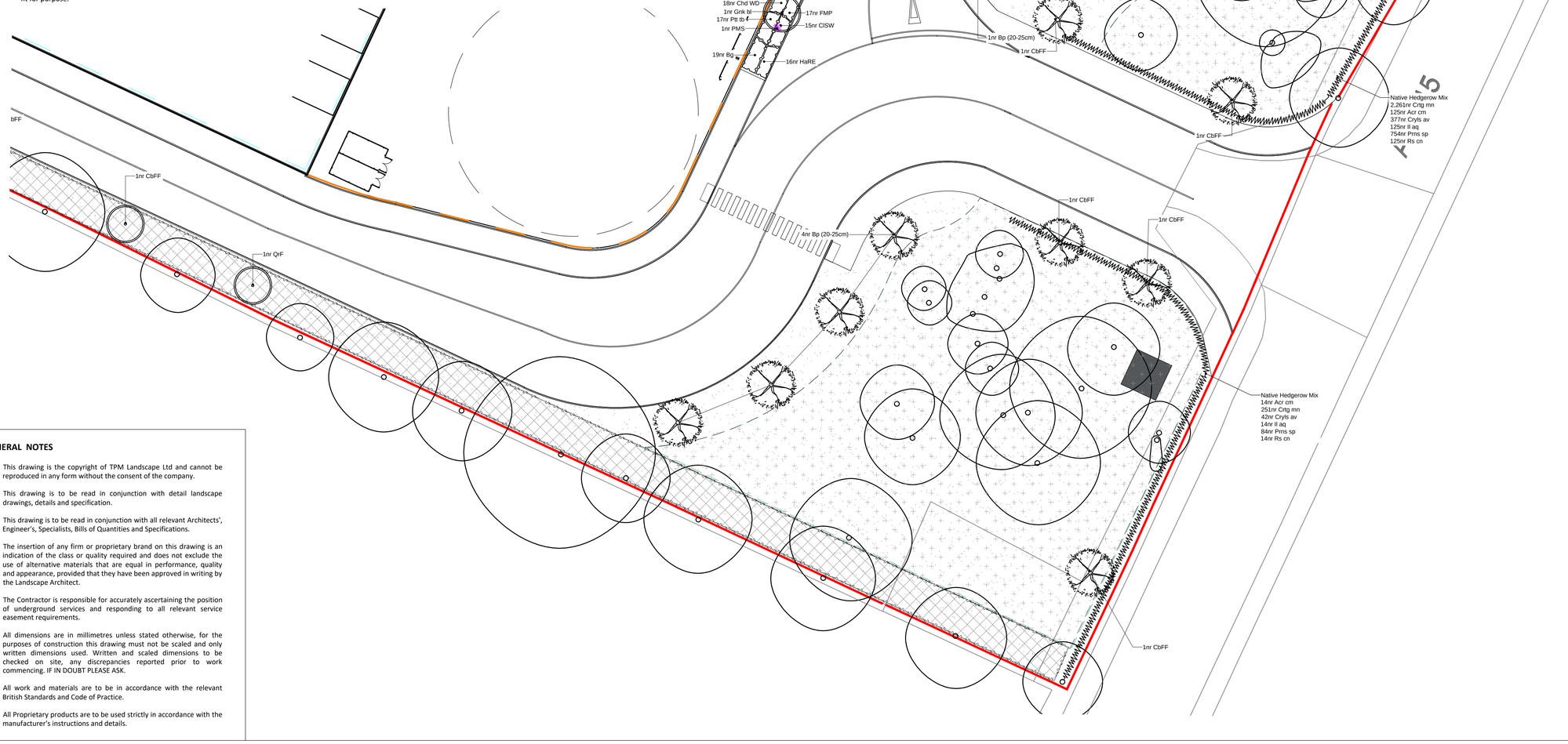
Rake in seeds lightly

11 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 25 per m2. 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.

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.

Refer to drawing 202

Refer to drawing 202



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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.

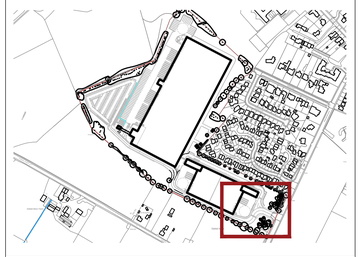
LEGEND

SOFT LANDSCAPE

- **Existing Trees to be Retained and Hedgerow**
- **Proposed Large Trees (in soft)** Trees to be planted as 20-25cm girth, Semi-Mature, 4.5-5.5m high with 2m clear stem. Trees to be secured with underground guying system.
- **Proposed Large Trees (in hard landscape within car park)** Trees to be planted as 20-25cm girth, Semi-Mature, 4.5-5.5m high with 2m clear stem. Trees to be secured within underground cell system by GreenBlue Urban or similar approved
- **Proposed Medium Size Trees (including native species)** Trees to be planted as 14-16cm girth, Extra Heavy Standard, 3.5-4m high. Trees to be staked and secured with suitable rubber ties.
- **Proposed Small Ornamental Trees** Trees to be planted as 10-12cm girth or 50L containers, 2-3m high and secured with single stake and suitable rubber ties.
- **Proposed Native Hedgerow** Native hedge mix, to be planted at 80-100cm, double staggered row, bareroot stock at 300mm centres and protected with spiral guards
- **Proposed Instant Hedge** Instant evergreen hedge to provide screening to acoustic walls Troughs, 175-200cm height. Typical species: Prunus lusitanica angustifolia
- **Proposed Shrub Planting** Ornamental shrub planting, to be planted in 3-4L containers at 3-4 p/m², and enhanced by feature specimens in 10-20L pots.
- **Proposed Native Shrub Mix with Feathered Native Trees** Proposed native shrub mix to have minimum final growth height of 5-7M. Mix to provide breeding and foraging opportunities. To incorporate whip trees, 100-125cm, planted at 1 plants per sq.m and protected with spiral guards
- **Proposed Native Scrub/Shrub Plant Mix** Proposed native shrub mix to have minimum final growth height of 5-7M, planted at 1 plants per sq.m and protected with spiral guards. Mix to provide breeding and foraging opportunities.
- **Proposed Grass**
- **Proposed Wildflower Meadow** To be EM2 General purpose meadow mix by Emorsgate or similar approved. Including 80% of grasses and 20% of flowering perennials. Sowing rate 5/gm2.
- **Proposed Wetland Seed Mix** For soils that are permanently wet, or seasonally under water, and situations at the edge of streams and ditches. EM8 Meadow Mix for Wetlands by Emorsgate or similar approved.
- **Proposed Wildflower Meadow (For shade)** EW1 Woodland Mix by Emorsgate or similar approved.
- **Proposed Bulb Planting**
- **Proposed Marginal Planting** For soils that are permanently damp, planting to the base of the attenuation area to promote reed growth.
- **Proposed 5m high Acoustic Barrier with Green Screen** Green screen to be a combination of instant hedging and climbers with Jakob's Rope and Rod tensile wire system.
- **Proposed 3m high Acoustic Barrier with Green Screen** Green screen to be Mobaline's Green Screen (3m) or similar approved

For Planting Schedule See Sheet 4146 206

LOCATION MAP



REVISION NOTES

Rev	By	Description	Date
C	GBS	updated in line with Masterplan rev I	23.12.22
D	DC	updated in line with Masterplan rev J	16.02.23
E	DC	updated in line with Masterplan rev M	01.03.23
F	MC	updated in line with Masterplan rev N	10.03.23

Client
Trammell Crow

Project
Manchester Road, South Heywood

Description
Planting Plan (1 of 8)

Status
For Approval

Scale @ A1	Drawn	Checked	Date
1:250	GBS	DC	14.10.22
Job number	Drawing number		Revision
4146	201		F

N

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