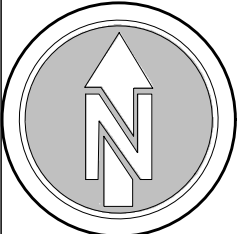


NOTE:
SURROUNDING CONTEXTUAL BUILDINGS
AND INFORMATION ARE
BASED ON RECEIVED ORDINANCE
SURVEY DRAWINGS AND ARE SHOWN
FOR ILLUSTRATIVE PURPOSES ONLY.
ASSUMED SITE BOUNDARY IS
SUBJECT TO CONFIRMATION



General Notes:

All proposed tree locations are subject to co-ordination with drainage layout and subject to modification depending on the location of underground services and utilities. Drainage engineer to co-ordinate services layout in conjunction with the landscape plan to avoid conflict as much as possible. Allowance to be made at tender stage for the possible requirement for root barriers once the drainage layout is confirmed. CA to be informed immediately once this is available.

GENERAL WATERING

All soft landscaping to be subject to a watering regime which is absolutely essential to ensure the continued success of the scheme, particularly during the initial 12 month establishment period. The watering frequency should be as necessary to ensure the continued thriving of all grass, hedges, trees and ornamental planting. During dry periods minimum weekly visits should be made to the site to ensure the soil has not dried out and to action watering if necessary. The soil should be checked for dryness using either a soil moisture sensor or by inserting a spade into the ground to a depth of 300mm to observe the appearance of the soil. If the soil is moist there is no need to water but if it is bone dry then watering procedure should be carried out immediately. Water supply should be from potable mains water or an approved alternative. The full depth of topsoil should be wet without loosening or damaging plants. Any compacted soil should be broken up sufficiently to allow water to reach the rootzone.

WATERING TREES

Trees to be watered in accordance with BS 8545:2014 Tree - From Nursery to Independence. Trees should be watered via the installed irrigation / aeration pipes around the base of the trees stem in accordance with the manufacturer's instructions to ensure the water reaches the roots of the tree. Below is a suggested watering regime but this should be used as a guide only and may require modification in times of drought or flood, dependant on the ground conditions at the time, which should be monitored as above:

- March - October: 20 litres to be poured into irrigation pipe twice a week (40 litres in total)

SOFT LANDSCAPE SPECIFICATION NOTES

NOTE: All soft landscape works to be carried out in accordance with BS4428:1989.

SUBSOIL

Subsoil should be broken up to relieve compaction and aid drainage prior to topsoiling to the following depths:

- For light and non cohesive subsoils: 300mm

- For stiff clay and cohesive subsoils: 450mm

Immediately before spreading topsoil, remove stones larger than 50mm.

TOPSOIL

Existing site won topsoil to be reused for soft landscape areas if sufficient quantities are available and the topsoil meets the criteria for multipurpose topsoil as defined in table 1 of BS3882:2015 specification for Topsoil.

If imported topsoil is required it is to be supplied and spread by the main contractor to the approval of the Landscape contractor, in accordance with BS 3882 :2015. To be a natural sandy loam, of medium texture, with a pH between 5.5 and 7.8, not more than slightly stony and free of pernicious weeds. Subsoil to be well broken up prior to top-soiling to relieve compaction. Topsoil depths should be:

Areas for Ornamental Shrub Planting: minimum 400mm

Areas for cultivated turf: minimum 150mm

CULTIVATION

Weeds to be prevented from seeding or becoming established by applying a suitable herbicide and allowing the correct time to elapse, as directed by the manufacturer. Compacted soil to be broken up to a depth of 100mm, with any stones, grass tufts or rubbish larger than 50mm in any direction to be removed, leaving a regular and even surface. Suitable slow release fertiliser to be supplied and spread @ 50g/m2 to all planted areas.

CLIMATIC CONDITIONS

Topsoiling should be carried out in the driest conditions possible - cultivation to be carried out when the soil is moist, friable and not waterlogged or frozen. Topsoil should not be handled during or after heavy rainfall or when it is wetter than the plastic limit as defined by BS 3882. Planting should not take place in waterlogged conditions or when the ground is frozen.

SOIL AMELIORANT

Peat-free compost to be spread over ornamental shrub beds @ minimum 50mm depth prior to cultivation.

TREES

All trees within shrub beds to be planted in separate pits in accordance with tree planting detail. All plant material to comply with BS 3936 Part 1 :1992, be obtained from a nursery certified by the HTA and transported to site in accordance with the HTA Plant Handling Guide: 1996. All trees to be planted to the original root collar and secured in place with underground guying system in accordance with tree planting detail. All trees to be fitted with aeration and irrigation system in accordance with tree planting detail.

If the trees are to be planted outside of the planting season (late October - Late March) then containerised stock to be used in lieu of root ball to the same specification: allowance to be made for this at tender stage if required once construction timetable is known and CA informed immediately.

EXISTING SHRUBS

Existing shrubs to be trimmed back at appropriate time of year for the species and maintained in conjunction with the proposed planting. All pruning works should be carried out by an approved member of the Arboricultural Association or other approved specialist using approved methods for that species and should result in a balanced form on all sides.

GRASSED AREAS

Seeded areas should be sown in accordance with BS 3969:1998: Recommendations for Turf for general purposes and BS 4428-1989 General Landscape Operations.

Height of initial growth: 100mm

Height of first cut: 50mm

Height of growth: The height of growth must not exceed 100mm at any time.

Frequency: Cut as and when necessary to a height of 25mm, using a rotary mower and remove all arisings.

Timing: When grass reaches scheduled height of maximum growth and is reasonably dry.

Application: At the time of each cut, trim all grass edges round the base of trees, manholes etc and remove arisings. Sweep all adjoining hard areas clear of cuttings and remove.

Weeding: Keep the sward substantially free of broad leaved weeds by applying a suitable selective herbicide.

Fertilizer: March application: 15:10:10 Spring turf fertilizer at 35g/m2.

September application: 5:10:10 Autumn turf fertilizer at 50g/m2.

SUBSTITUTIONS:

Upon submission of evidence that certain materials, including plant materials, are not available at the time of the landscape contract, the Landscape Contractor may be permitted to substitute other materials and plants in exceptional circumstances during the contract with an agreed adjustment of prices. All substitutions shall be of nearest equivalent species and variety to the original specified but shall be subject to approval by the Landscape Architect before any change is made.

TIMES OF YEAR FOR PLANTING:

Landscape works to be carried out during the first possible planting periods prior to practical completion of the building and associated engineering works / car park areas in accordance with the following:

- Native and ornamental trees: During dormant winter period - Late October to late March (only if planted in the planting season otherwise containerised stock to be used).
- Bare root native transplants: During dormant winter period - Late October to April.
- Container grown ornamental and specimen shrubs: At any time if ground and weather conditions are favourable.

MULCH

75mm depth of 8-35mm ornamental bark mulch (peat-free) to be supplied and spread to all planting areas. Finished mulch level to be installed and maintained at 25mm below any adjacent kerbs or paving surfaces.

MAINTENANCE

All planting areas to be maintained to a high standard by the contractor for 12 months after practical completion, to ensure the landscape scheme is successful, and discourage decline of the area.

Minimum frequency of maintenance visits:

December / January / February & March - 1no. visit each month

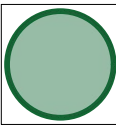
April to November - 2No. visits each month.

Generally, during the first 12 months:

- All planting beds to be re-firmed and kept weed free through hand weeding and application of an approved herbicide where appropriate.
- All litter to be picked and removed from landscape areas.
- Mulch to be topped up as required to maintain the specified thickness.
- The condition of all trees is to be regularly checked, with ties and stakes adjusted or replaced as necessary.
- Shrubs to be pruned at appropriate times of year for each species to promote healthy growth and desirable ornamental features.
- Grass lawn areas to be cut and maintained in accordance with specification note above.
- All arisings to be removed from site.
- Any defects or plant losses occurring during the first 12 months defects period to be replaced at the contractors expense.

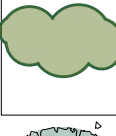
Following the initial 12 month establishment period the ongoing landscape management will be the responsibility of an commercial landscape maintenance contractor under a landscape maintenance contract.

Soft Landscape Key:



Existing trees to be retained

Retained and protected during construction and landscaping works in accordance with BS5837:2012 guidance. Refer to Haydens Tree Survey - 7215-D-AIA for further details on existing site trees.

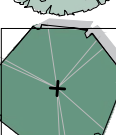


Existing vegetation to be retained



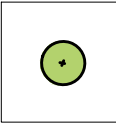
Proposed tree in soft landscape

Refer to planting schedule for species & specification



Proposed tree in hard landscape (Incorporating SuDs SW management)

Refer to planting schedule for species & specification
Refer to Vector tree planting detail 17229-VL-McD_D01



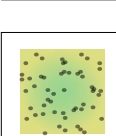
Proposed specimen shrub planting

Refer to planting schedule for species & specification



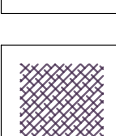
Proposed low hedge planting

Refer to planting schedule for species & specification



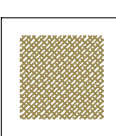
Proposed grass

to be cultivated turf



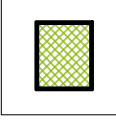
Proposed slate aggregate surface finish

to be laid over permeable geotextile membrane



Proposed ornamental bark mulch surface finish

1m Dia. of ornamental bark mulch around trees in grassland in accordance with BS8545 :2014 recommendations.



Proposed rain garden planters

Supplier: Street design
Growing medium backfill: Bioretention soil to meet specific water permeability requirements.
Installation: In strict accordance with manufacturers installation recommendations and Engineer's drainage design.
Refer to Dwg V17229-VL-McD-L02 for species & specification

PLANTING SCHEDULES:

Tree planting							
Species	Abb.	Form	Girth (cm)	Height (cm)	Clear stem (cm)	Root	Quantity
Acer campestre 'Streetwise'	AcS	Standard Extra Heavy	14-16	400-500	min 200	RB	3
Acer x freemanii 'Armstrong'	AxFA	Standard Extra Heavy	16-18	400-500	min 220	RB	1

Specimen Shrub Planting:						
Name	Abb	Height (cm)	Root	Container	Habil	Quantity
Amelanchier lamarckii (Multi Stem Specimen)	AI	175-250	RB	/	3 - 5 main stems	1
Phormium 'Yellow Wave'	PYW	80-100	C	10-12L	Triple Crown	1

Formal Hedge Planting:							
Name	Abb.	Height (cm)	Root	Container	Form	Spacing	Quantity
Buxus sempervirens	Bs	30-40	C	1m Trough	Clipped hedging unit	Single row, 6No. Plants Per linear m	10
Notes: Formal instant hedge planting units to be planted in a continuous row with the specified density of plants per linear m as specified.							



Scale: 1:200 @ A1

Drawing to be read in conjunction with Vector
Landscape Plan Drawing V17229-VL-McD_L02

2021.01.22-C	Updated to co-ordinate with Architects site plan	FW	AS
2020.12.02-B	Rain garden planter added x 2	FW	AS
2020.11.25-A	Updated to co-ordinate with Architects site plan	FW	AS
Revisions	Description	Drawn	Check

Project Title	PROPOSED RESTAURANT
	PLAS COCH RETAIL PARK WREXHAM

Client	MCDONALDS RESTAURANTS
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Status	PLANNING
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Scale	1:200	Drawing Size	A1
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Drawn By	FW	Checked By	AS	Date	11/2020
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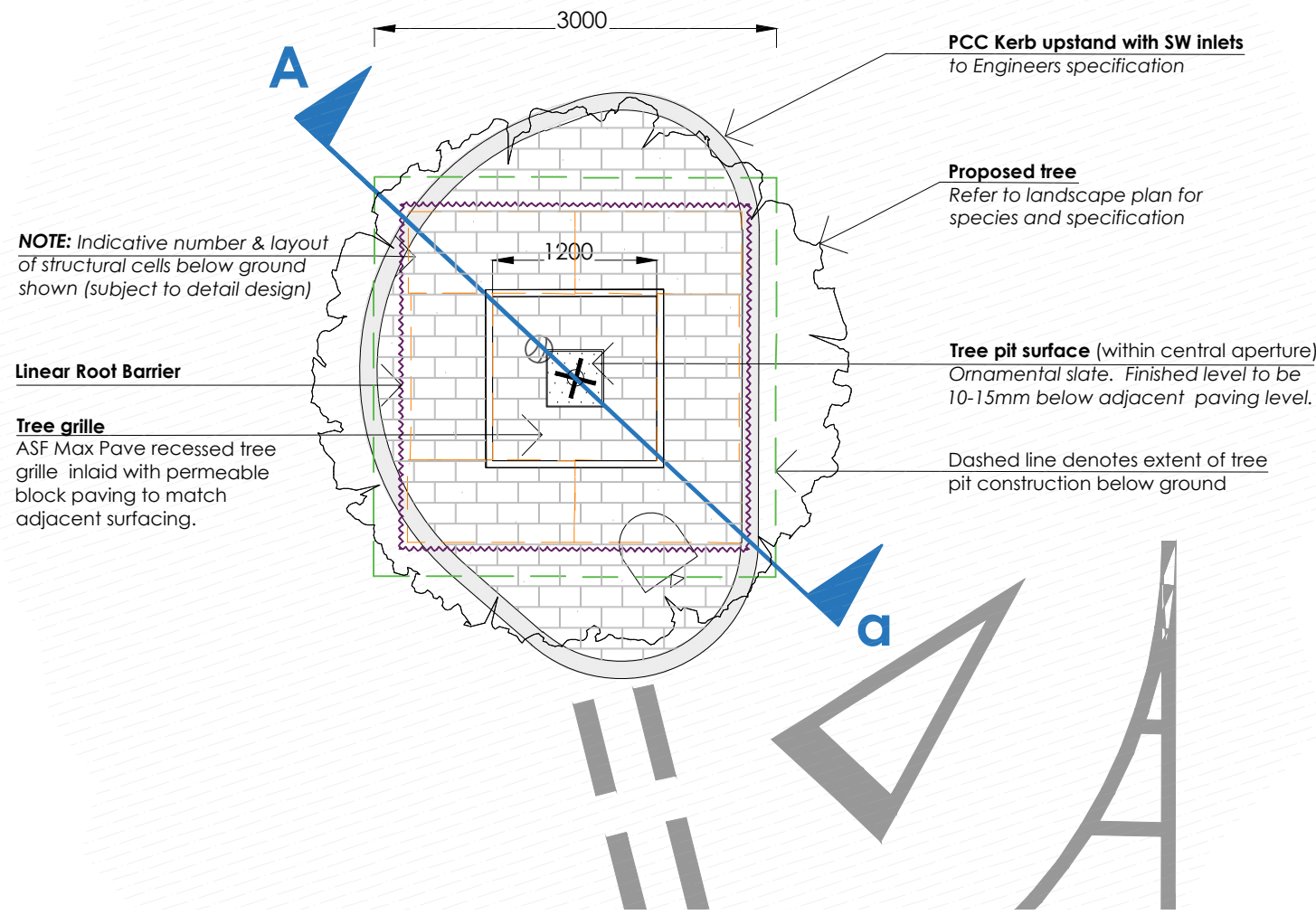
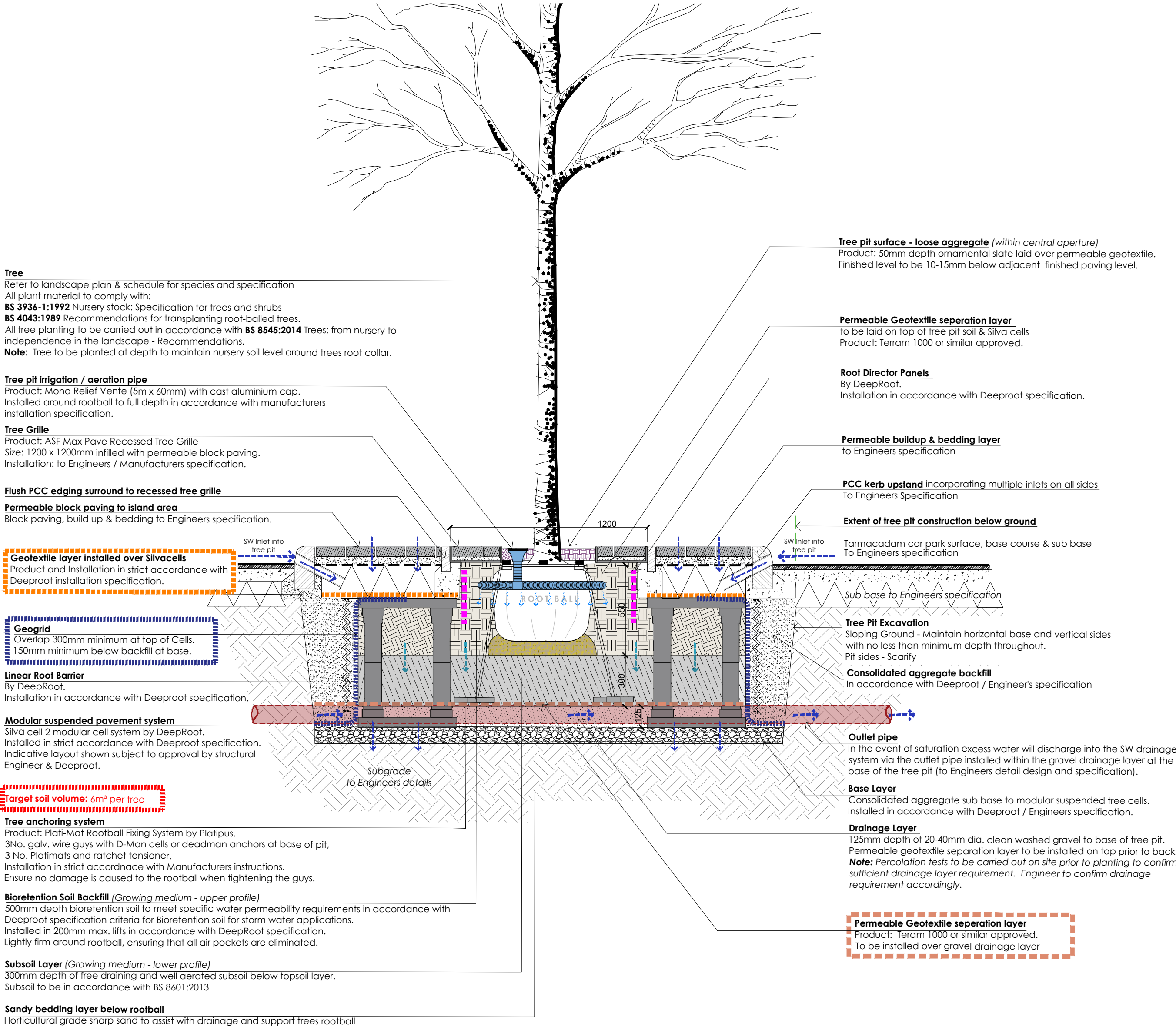
vector
design concepts

LANDSCAPE DESIGNERS

4 ST JOHNS NORTH, WAKEFIELD, WF1 3QA. TEL 01924 332056
web:www.vectordc.com

Appendix J

Drawing no. 17229-VL-McD-D01 rev. A



D01 LOCATION PLAN 1:50
02

FOR TREE PIT LOCATIONS REFER TO VECTOR DWG REF: 17229-VL_L01 - LANDSCAPE PLAN.

D01 TYPICAL SECTION A-a THROUGH SuDs TREE PLANTING PIT WITHIN CARPARK 1:20
01

Notes:

Do not scale from this drawing, always work to noted dimensions.
All given dimensions in mm unless otherwise stated.

The contractor is to check all dimensions and levels on site prior to commencing any work.

Any discrepancies should be reported to the CA immediately upon discovery.

The contractor should bring to the attention of the CA the presence of any services not identified on this drawing immediately upon discovery and await further instructions prior to carrying out any further works in the vicinity.

2021.01.27 -A	SUDS inlet / outlet updated. Bioretention soil specification note added	AS	AS
Revisions	Description	Drawn	Check

Project Title	PROPOSED RESTAURANT DEVELOPMENT				Drawing Title	SuDs Tree Planting Detail - Car Park					
	PLAS COCH RETAIL PARK WREXHAM				Job-Dwg No	17229-VL-McD_D01		Rev	A		
Client	McDONALDS RESTAURANTS				 LANDSCAPE DESIGNERS 4 ST JOHNS NORTH, WAKEFIELD, WF1 3QA. TEL 01924 332056 web:www.vectordc.com						
Status	PLANNING										
Scale	AS SHOWN		Drawing Size							A2	
Drawn By	FW	Checked By	AS	Date						12/2020	

Arboricultural Impact Assessments ●
Arboricultural Method Statements ●
Tree Constraints Plans ●
Arboricultural Feasibility Studies ●
Shade Analysis ●
Picus Tomography ●
Arboricultural Consultancy for Local Planning Authority ●
Quantified Tree Risk Assessment ●
Health & Safety Audits for Tree Stocks ●
Tree Stock Survey and Management ●
Mortgage and Insurance Reports ●
Subsidence Reports ●
Woodland Management Plans ●
Project Management ●
Ecological Surveys ●



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