

GRASS SPECIFICATION:

All areas disturbed during the works, and not planted with shrubs, or hard landscaped, shall be seeded in accordance with this specification.

SOIL PREPARATION - Soil to be free from surface stone, other debris and perennial weeds, undertake treatment of all areas to be seeded with selective herbicide to ensure a weed free zone at least 2 weeks prior to seeding. Area to be cultivated to a fine tilth prior to seeding. Undertake two watering visits one at 2 weeks and one at 2 days before seeding is required to enable the prepared soil to settle. Rake the soil areas again just before seeding.

GRASS SEEDING - Grade and cultivate areas to be seeded to meet adjacent footpath levels. Remove all stones >20mm dia. litter and debris to approved tip. Supply and spread grass seed mix A19 (as supplied by Germinal Seed, or equal and approved) at a rate of 50g per m². Lightly rake, roll and water as required to ensure good establishment.

Site to be revisited and overseeded as necessary to ensure establishment of dense green sward across all areas of the site. Failure to establish good grass coverage may result in a requirement for areas of turfing at the Contractors expense.

PLANTING GENERALLY:

All work to comply with BS 4428 1989 Code of Practice for General Landscape Operations and horticultural good practice.

SOIL S - PLANTING BEDS:

Once grading complete, dig over existing topsoil to a depth of 300mm and incorporate a 75mm depth of new peat free planting compost to all shrub beds.

Any imported topsoil to meet requirements of BS3883:2007 specification for topsoil and requirements for use. To be of agricultural origin and shall be free from weeds, sticks, stones in excess of 20mm diameter and other deleterious material.

All formation levels of shrub beds to be 50mm below adjacent hard surfaces and grass levels.

PLANT MATERIAL PLANTING:

All shrubs to conform to BS 3338 Part 1 Specification for Trees and Shrubs, and British Standard 6545: 2014 Trees - from nursery to independence in the landscape - recommendations.

All shrubs to be quality checks to ensure good quality, bushy and well balanced plants, with straight central leaders, balanced branch framework typical of species, adequate stem taper (height/diameter ratio), free from structural defects/signs of damage or disease, plus ample fibrous roots. Contractor to ensure all plants are handled carefully at all stages from collection, storage, transporting to planting to prevent any direct damage, exposure to frost, desiccation etc.

PLANTING PIT PREPARATION:

Ensure all shrubs are well watered prior to planting. Do not plant in excessively dry, windy or cold weather. Prior to planting, confirm all service locations with site manager.

Excavate pits for shrubs large enough to accommodate the root system without restriction or damage - 150mm wider than root spread/root ball depth. Pits must be completely dug out and soil broken up and mixed with peat free compost in a ratio of 3:1, to be mixed with existing topsoil before being backfilled - no sub soils or turf to be left on top or placed within planting pits. Remove from site. Plant to be lightly firmed in. Shrubs to be planted in accordance with detailed planting plans issued at construction phase.

Release all tied up branches and remedial prune any weak or damaged branches before positioning the plant, which must then be planted upright at the correct depth to ensure the root collar at the base of the stem is the same as the level in the nursery, allowing for minor settlement.

HEDGE PLANTING

Bare root hedge plants to be planted in a double staggered row parallel to the fence line, at a rate of 6 per linear metre.

WATERING:

All plants to be watered in at the time of planting to ensure rootballs are thoroughly soaked in.

MULCH:

Addition of approved bark mulch at 75mm depth to be carefully placed around each plant to full extent of shrub bed, or 0.5m wide along the hedge line, and topped up on two occasions during the first year.

TREE PLANTING PIT PREPARATION

A pit of 1m x 1m x 0.2m shall be excavated. Pits must be completely dug out and soil broken up and mixed with compost, a minimum of 50 litres per pit to be mixed thoroughly with existing topsoil before being backfilled.

TREE PLANTING

Release all tied up branches and remedial prune any weak or damaged branches before positioning the tree. Trees to be planted upright at the correct depth to ensure the root collar at the base of the stem is the same as the level in the nursery. Edges of containerised root balls to be shaved lightly, e.g. with spade to stimulate fibrous root development into surrounding soil. Backfill soil must be worked well around rootball to ensure good root to soil contact and to minimise post planting settlement.

TREE STAKES /TIES

Stakes should be positioned outside 'rootball' of tree and must not damage roots. Stakes should be driven in firmly with and be aligned, evenly spaced and upright. These must remain secure with no 'play' once ties and cages have been attached. Tree stakes should extend up to 1/3 tree height maximum to ensure adequate support.

Standard tree tie or belt (min 25mm size) to be used to secure tree to each stake at required stem height - no blocks, wires, boards etc to be used.

MULCH

Bark mulch shall be placed around each planting station at approximately 75mm deep and 1m diameter. Mulch must not directly cover the base of the tree stem above the root collar, a small gap shall be left.

TREE WATERING

All trees in 'airpots' or rootballs should be completely soaked prior to planting to ensure adequate moisture is present inside the rootball or airpot and also watered immediately after being planted to ensure rootballs and surrounding soil are thoroughly soaked in.

MAINTENANCE SCHEDULE:

General maintenance - Remove all soil and arisings from hard surfaces and grassed areas. Leave the works in a clean tidy condition at completion and after any maintenance operations.

Visits - Make visits at approximately fortnightly intervals during the growing season and as necessary to fulfil the requirements of this specification.

Firming in - All plants loosened by maintenance operations, wind or frost shall be firmed in.

Weeding - To be carried out from March to October. Remove all weeds from both hard and soft landscaped areas and contractor's tip. Include for sweeping and tying the site and removing all loose bark mulch off hard surfaces during visits and carry out litter pick as required. During weeding visits edge all shrub beds where they meet a grass surface.

Pruning - Prune plants at appropriate time to remove dead or dying and diseased wood suckers, to promote healthy growth and natural shape and remove all prunings. Hedge plants to be lightly pruned to shape to encourage good establishment. All dead plants to be replaced with identical plants at the end of the first growing season.

Watering - Plants and trees to be watered regularly during the growing season to ensure establishment of all plants. Mulch - To be topped up once per year.

GRASS/TURF MAINTENANCE:

Mowing - Grass to be maintained at a cut height of 25mm (1"). No more than one third of the grade blade length to be removed at any one time. Adjust mowing frequency depending on how quickly the grass grows and during peak growing season.

Feeding - Approved fertiliser, weed and moss killer to be applied to manufacturers specification to promote a healthy green and hardwearing lawn, applied any time between late spring and early autumn, when grass and weeds are actively growing.

Over seeding - To be applied as required to provide a dense green sward.

Top dressing - A high quality, sand based, multi-purpose lawn dressing to be applied to retain a level surface, improve drainage, and control the build-up of thatch.

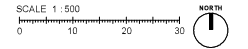
LANDSCAPE MANAGEMENT AND MAINTENANCE:

The landscape management and maintenance of the site will be handed over to the school on completion of the establishment maintenance period. The area will be integrated into the existing landscape management programme of regular grass cutting, litter picking and weeding, and management of shrubs as required.

PLANTING SCHEDULE

Ornamental Shrub Species	Specification	Density
Prunus buergerianus 'Otto Luyken'	Container grown, 30-40cm, 3ltr pot	4/m ²
Lonicera pileata	Container grown, 40-40cm, 3ltr pot	4/m ²
Hebe pinguifolia 'Pagei'	Container grown, 20-30cm, 3ltr pot	5/m ²
Cotoneaster dammeri	Container grown, 20-30cm, 3ltr pot	5/m ²
Hedgerow Spices	Specification	Density
Crataegus monogyna	Bare root 60-80cm	6 per linear m
Tree Species	Specification	Density
Prunus Umenko	14-16cm rooballed	2

Proposed Site Plan
1 : 500



- HARD LANDSCAPE**
- PROPOSED PROTECTION MACADAM (To prevent concrete spillage)
 - PROPOSED CONCRETE SLABS (Fusion, Mid Grey, 300020060, Supplier: Tabernera)
 - PROPOSED VERTICAL HARDPAVING AREAS (To align with existing specifications, (Unbound Trench Access)
 - TACTILE PAVING TO CROSSING AND HAZARDS (To conform with part M Building Regulations)
 - PAVED DRIVE (To match existing)
 - EXISTING PAVING RETAINED (To match existing)
 - EXISTING MACADAM RETAINED (To match existing)
 - NEW CONCRETE SLAB (A12, 40mm x 150mm x 150mm) (C15/20 - Classen Cement Compound with bent and bent glass)
 - Clear Thermoplastic Delineation and Painted and Road Markings (To conform with BS 6841 and BS 6842)

- SOFT LANDSCAPE**
- PROPOSED AMENITY GRASS
 - PROPOSED WILDFLOWER MEADOWS / LAWNS
 - PROPOSED NATIVE HEDGE / SHRUB PLANTING

- PROPOSED TREE PLANTING**
- Substrate Standards: Many Standards and Extra Heavy Standards
 - Double-staked, section and irrigation pipe required.
 - Tree and shrub protection to be installed to protect trees.
 - Note: where trees in proximity to services, drainage, structures - elevation to root barriers required over 1000mm deep.

- FENCING**
- EXISTING EXTERNAL SECURE LINE RETAINED (Existing Fencing and Gates)
 - SECURE FENCE LINE (2.1m HIGH WELDED SH FENCE (To match existing)
 - PROPOSED GATES TO MATCH FENCING

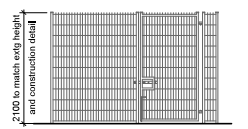
- TREE PROTECTION & REMOVAL KEY**
- EXISTING TREES / HEDGES TO BE RETAINED (Please refer to the survey for comments / works to be undertaken to existing retained trees)
 - EXISTING TREES & HEDGES TO BE REMOVED
 - TREES ROOT PROTECTION FENCING

NOTES:

To be read in conjunction with the following drawings / Reports:

- QAB-AHR-ZZ-ZZ-DR-L-90001 - Site Location Plan
- QAB-AHR-ZZ-ZZ-DR-L-90002 - Hard Landscape Typical Detail Sheet 1
- QAB-AHR-ZZ-ZZ-DR-L-90003 - Typical Landscape Typical Detail Sheet 2
- QAB-AHR-ZZ-ZZ-DR-L-90004 - Soft Landscape Typical Detail Sheet 1
- QAB-AHR-ZZ-ZZ-DR-L-90005 - Soft Landscape Typical Detail Sheet 2
- QAB-AHR-ZZ-ZZ-DR-L-90006 - Soft Landscape Maintenance Schedule Sheet 1
- QAB-AHR-ZZ-ZZ-DR-L-90007 - Soft Landscape Maintenance Schedule Sheet 2

For Drainage, Hard Landscape, Foundations and Sub Structures please see Civil and Structural Engineers drawings



1 New Security Fence
1 : 50

P2	Tender issue	20.05.22	DJM	RD
P1	Tender issue	19.05.22	DJM	RD
Rev	Description	Date	By	Appr by
Issued by	DJM	05/18/22	RD	RD



AHR Architects Ltd
No. 4, Ave Street,
Leeds
LS1 6PR
United Kingdom

T +44(0)113 3858787
F +44(0)113 3858777
E info@ahr.co.uk
www.ahr.co.uk

Client name
Stockton on Tees Borough Council

Project
Outwood Academy Bishopsgarth Site

Drawing
Landscape Site Plan

Contract Ref
2021.00195.000

Project number
2021.00195.000

Issue date
As indicated @ A1

Drawing number
QAB-AHR-ZZ-ZZ-DR-L-90001

Rev
P2

Issue date
D2

This drawing is to be read in conjunction with all related drawings. All dimensions must be checked and verified on site before commencing any work or producing shop drawings. The originator should be notified immediately of any discrepancy.

This drawing is copyright and remains the property of AHR.