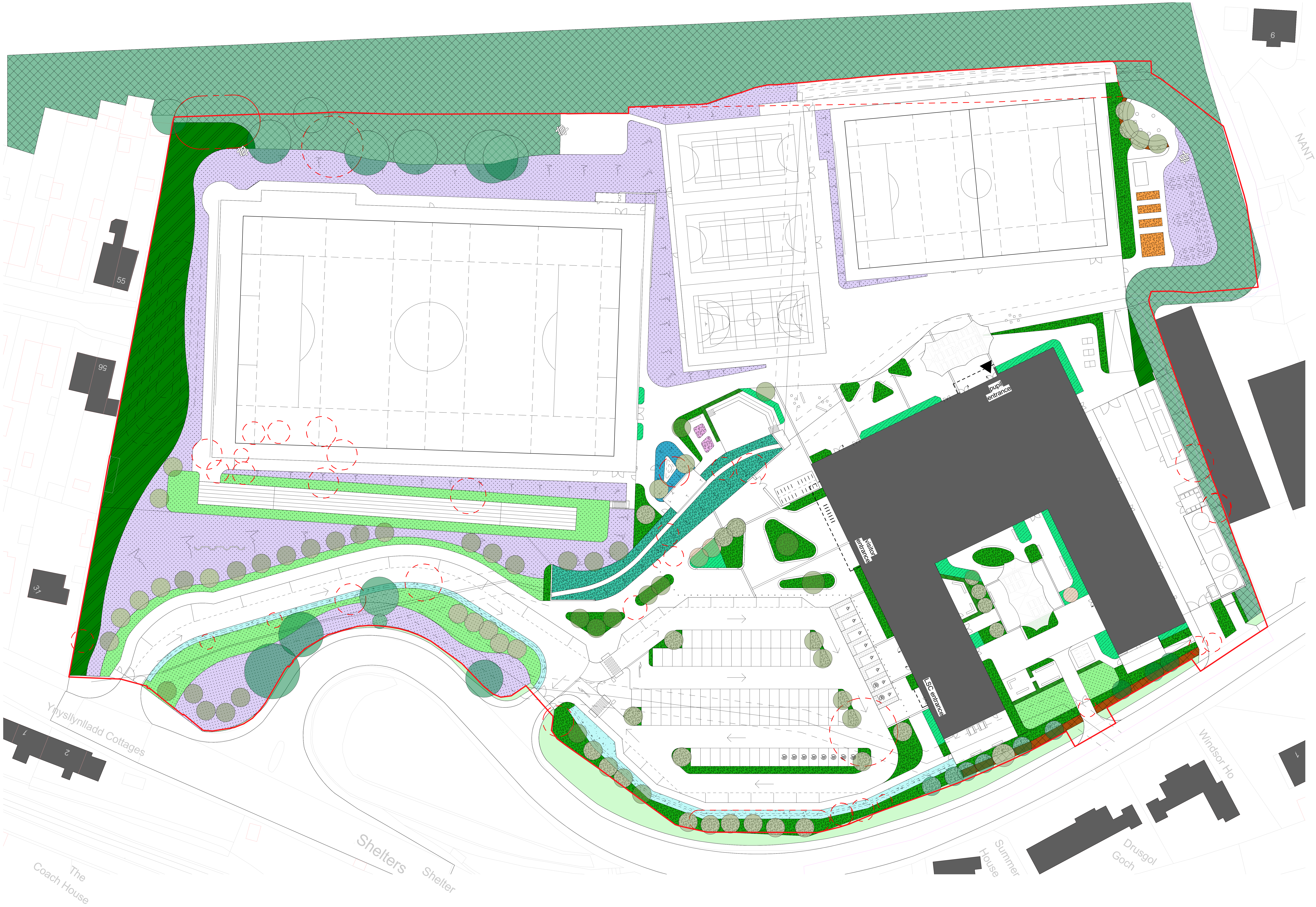


EXISTING PLANTING

● **Existing trees to be retained**
Refer to Arboricultural Survey for details

○ **Existing trees to be removed**
Refer to Arboricultural Survey for details

▨ **Existing vegetation to be retained**
Refer to Arboricultural Survey for details

INDICATIVE PROPOSED PLANTING PALETTE

● **Extra Heavy Standard trees**
Min. height 400-450cm. Tree pits with 450mm deep approved topsoil over 450mm approved subsoil as detail - pit drainage layer TBC subject to site conditions. 75mm thick bark mulch to 1200mm diameter around trunk.
- Acer campestre 'Streetwise'
- Betula pendula fastigiata ‘Obelisk’
- Carpinus betulus ‘Fastigiata‘
- Tilia cordata 'Green Spire'

🟩 **Shrubs**
450mm min approved topsoil to BS 3882:2015 overlying 300mm min approved subsoil to BS 8601:2013. Beds to be mulched with 75mm bark mulch.
- Artemisia 'Powis Castle'
- Brunnera macrophylla 'Jack Frost'
- Cotoneaster conspicuus 'Decorus'
- Deschampsia caespitosa 'Goldtau'
- Hebe 'Red Edge'
- Hebe pinguifolia 'Pagei'
- Hebe rakaiensis
- Hypericum moserianum
- Lavandula angustifolia 'Hidcote'
- Pachysandra terminalis
- Santolina chamaecyparissus
- Viburnum davidii

Herbaceous & perennials
- Ajuga reptans ‘Atropurpurea‘
- Alchemilla mollis
- Bergenia cordifolia ‘Silberlicht‘
- Echinacea purpurea ‘Green Edge‘
- Geranium oxonianum ‘Wargrave Pink‘
- Heuchera ‘Key Lime Pie‘
- Lavandula angustifolia ‘Hidcote‘
- Origanum vulgare
- Pachysandra terminalis
- Stachys byzantina ‘Silver Carpet‘
- Thymus vulgaris
- Vinca minor

Ornamental grasses & ferns
- Blechnum spicant
- Carex testacea ‘Prairie fire’
- Calamagrostis ‘Karl Foerster’
- Deschampsia cespitosa
- Festuca glauca
- Hakonechloa macra
- Ophiopogon planiscapus
- Polystichum setiferum ‘Divisilobum’
- Sesleria autumnalis`

Formal hedgerows
Planted in 750-1000mm wide trench comprising 450mm min approved topsoil to BS 3882:2015, overlying 300mm min approved subsoil to BS 8601:2013. Beds to be mulched with 75mm bark mulch.
- Corylus avellana

Native hedgerows mix
Plants random at 1/m2 in groups of 3-5no. Plants to be planted in 450mm thick approved topsoil layer over min 300mm subsoil. Plants fitted with stake and tree/ shrub shelter. Beds to be mulched with 75mm amenity bark mulch.

15%	Acer campestre
20%	Corylus avellana
20%	Crataegus monogyna
5%	Ilex aquifolium
5%	Lonicera periclymenum
10%	Cornus sanguinea
5%	Rosa canina
10%	Sambucus nigra
10%	Viburnum opulus

SuDS PLANTING

● **Trees**
Min. height 400-450cm. Tree pits with 450mm deep approved topsoil over 450mm approved subsoil as detail - pit drainage layer TBC subject to site conditions. 75mm thick bark mulch.
- Acer campestre
- Alnus glutinosa
- Betula nigra
- Juglans nigra
- Prunus spinosa
- Sambucus nigra

▨ **Rain gardens**
450mm min approved SuDS soil mix to meet the minimum requirements of the CIRIA guidelines. Equal number of each species in random blocks approx 7-15 per species.
- Ajuga reptans
- Carex remota
- Deschampsia cespitosa
- Dryopteris filix mas
- Filipendula ulmaria
- Geranium phaeum
- Geum rivale
- Geum urbanum
- Knautia arvensis
- Leucanthemum vulgare
- Lythrum salicaria
- Lychnis flos-cuculi
- Malva moschata
- Mentha aquatica
- Molinia caerulea
- Osmunda regalis
- Pulicaria dysenterica
- Succisa pratensis
- Veronica montana

🟩 **Bioretention planting**
450mm min approved SuDS soil mix to meet the minimum requirements of the CIRIA guidelines. Equal number of each species in random blocks approx 7-15 per species.
- Ajuga reptans
- Caltha palustris
- Carex elata ‘Aurea’
- Deschampsia cespitosa
- Eupatorium cannabinum
- Filipendula ulmaria
- Fritillaria meleagris
- Iris sibirica
- Juncus effusus
- Luzula sylvatica
- Lythrum salicaria
- Mentha aquatica
- Molinia caerulea

Swales
Swale build-up to engineers specification.
Sides seeded on 150mm min approved cultivated **low fertility** topsoil to BS 3882:2015 or approved subsoil to BS 8601:2013, overlying 150mm min approved subsoil to BS 8601:2013.
Emorsgate Seeds - EM8 Meadow Mixture for Wetlands.

🟦 **Marshy grassland**
150mm min approved cultivated **low fertility** topsoil to BS 3882:2015 or approved subsoil to BS 8601:2013, overlying 150mm min approved subsoil to BS 8601:2013.
Emorsgate Seeds - EM8 Meadow Mixture for Wetlands.

▨ **Native woodland buffer**
450mm min approved topsoil to BS 3882:2015. Beds to be mulched with 75mm bark mulch.

Trees (30%)
- Acer campestre
- Betula pendula
- Malus sylvestris
- Salix caprea
- Sambucus nigra
- Sorbus aucuparia
- Ulex europaeus

Understorey shrubs mix (70%)
- Crataegus monogyna
- Corylus avellana
- Cornus sanguinea
- Ilex aquifolium
- Prunus spinosa
- Rosa canina
- Viburnum opulus

🟪 **Sensory Garden**
450mm min approved topsoil to BS 3882:2015. Beds to be mulched with 75mm bark mulch.

Shrubs
- Lavandula angustifolia
- Calycanthus floridus
- Fuchsia magellanica
- Sarcococca confusa

Herbaceous & perennials
- Allium schoenoprasum
- Armeria maritima
- Echinacea purpurea
- Geranium macrorrhizum
- Hemerocallis fulva
- Nepeta faassenii
- Salvia officinalis
- Thymus vulgaris

Ornamental grasses & ferns
- Carex morrowii
- Deschampsia cespitosa
- Festuca glauca
- Stachys byzantina
- Thelypteris phegopteris

🟩 **Amenity grass**
150mm min approved cultivated topsoil to BS 3882:2015.
Emorsgate Seeds - EG22 Strong Lawn Grass Mixture.

🟪 **Meadow mix with plugs**
150mm min approved cultivated **low fertility** topsoil to BS 3882:2015 or approved subsoil to BS 8601:2013, overlying 150mm min approved subsoil to BS 8601:2013.
Emorsgate Seeds - EM10 Tussock Mixtures

PLANTING NOTES

1.0 General
1.1 All tree setting out shall be agreed with the Landscape Architect on site.
1.2 All current relevant British Standards will apply.
1.3 Planting will not be undertaken during waterlogged or frost conditions.
1.4 Appropriate root barriers are to be installed where planting could conflict with underground services.

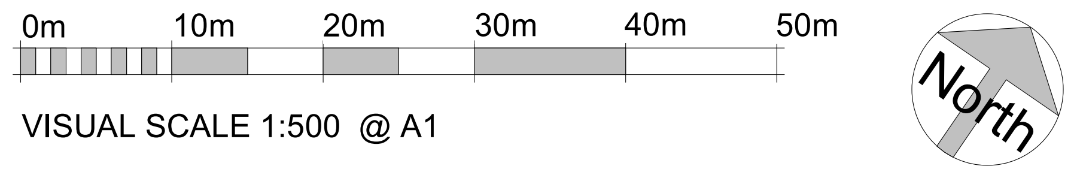
2.0 Soils
2.1 All imported topsoil shall comply with BS3882:2015 and shall be approved by the CA.
2.2 All subsoil within shrub planting areas and as a seeding substrate, shall comply with BS8601:2013. Cultivate to alleviate any compaction prior to topsoiling and to ensure suitability for wildflower / grass seeding.
2.3 All rain garden soil to be ArborSoil Hydro by GreenBlue Urban or similar approved. Refer to civil engineer's details for soil depths in rain gardens.

3.0 Planting
3.1 All plants shall conform to BS3936:1992 and planting operations shall be carried out in accordance with the relevant sections of BS 8545:2014 and BS4428:1989.
3.2 EHS trees shall be planted in pits with a minimum topsoil volume of 1.7cu. m. Tree pits shall include drainage, irrigation and aeration provision. Compost and slow release fertiliser to be incorporated /mixed into backfill material (topsoil).
3.3 All shrubs shall be planted in beds with a topsoil depth of 450mm.
3.4 Include slow release fertiliser at the time of planting.
3.5 All EHS trees to be triple-staked.
3.6 Within the Root Protection Area of the tree to be retained, the 300mm min clean capping layer and seperation geotextile layer is not to be installed as this will damage the roots.
3.7 No excavation into the existing soil layer within RPA's - only herbicide spray to existing turf, light cultivation and amelioration of existing soils.
3.8 Shrub beds to be planted as indicated on the layout plan with a random, varied mix of shrubs in single species groups/ swathes as indicated or in random single species drifts of between 6 to 11no where not indicated.
3.9 Wood bark mulch shall be applied to each shrub planting bed and the base of each individual tree in all soft landscaped areas at a diameter of 1.2m. Mulch to be applied to a depth of 75mm.

4.0 Grass / Species rich / Wildflower seeding
4.1 All amenity grass areas shall be topsoiled to a depth of 150mm.
4.2 Areas of grass/species rich seeding shall be cultivated to a minimum depth of 150mm prior to grass seeding and all stones in excess of 25mm removed. The surface shall be raked to smooth flowing contours and fine tilth.

5.0 Maintenance
5.1 All planted areas shall be subject to a maintenance programme, which will include the replacement of failed plants at the time of practical completion and/or within the next available planting season.
5.2 The programme of maintenance operations will be detailed in the Landscape Management and Maintenance Plan.

Rev	Description	Drawn	Checked	Date Issued
P2	Running track location amended, steps and ramp access added. Ecological enhancements added to forest school area.		GC	04.04.25
P3	Ramp to running track omitted.		GC	11.04.25
P4	Issued for PAC.		GC	25.04.25
P5	Minor updates to entrance area and cycle shelters sizes.		GC	02.05.25
P6	Issued for Planning.		GC	02.07.25
P7	Site boundary updated.		GC	03.07.25
P8	Key amended for additional clarification on hard landscape materials. Additional steps to amphitheatre.		GC	11.09.25
P9	Species to rain garden and bioretention palettes updated.		GC	24.10.25



VISUAL SCALE 1:500 @ A1

DO NOT SCALE. Use figured dimensions only. The contractor is requested to check all dimensions before the work is put in hand.
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Drawn	GC
Date	AUG 25
Scale @ A1	1 : 500
Status	S2

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Project Llangatwg Comprehensive School

Description Soft Landscape

Job No.	Drawing No.	Revision
324012	26CC07-ASL-30-XX-D-L-1003	P9