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 cespitosa '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'
Asplenium scolopendrium

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 separation 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
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
P10	Bat house added to forest school area.		GC	12.12.25

0m 10m 20m 30m 40m 50m

VISUAL SCALE 1:500 @ A1

North

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	OCT 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	P10