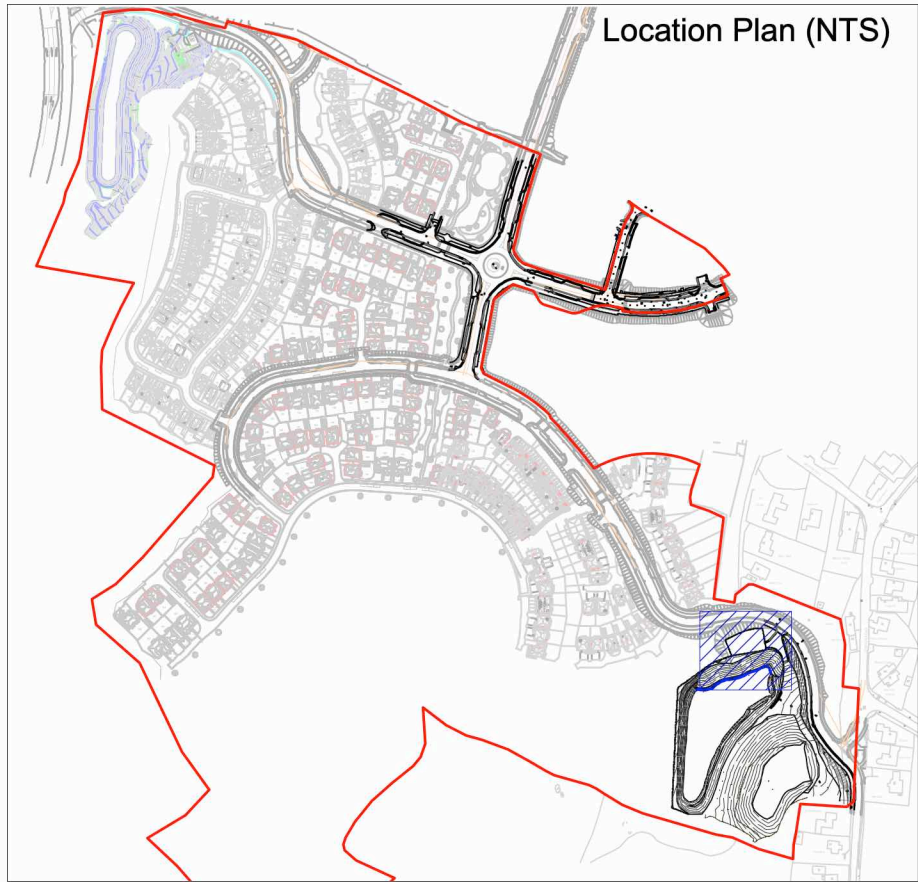
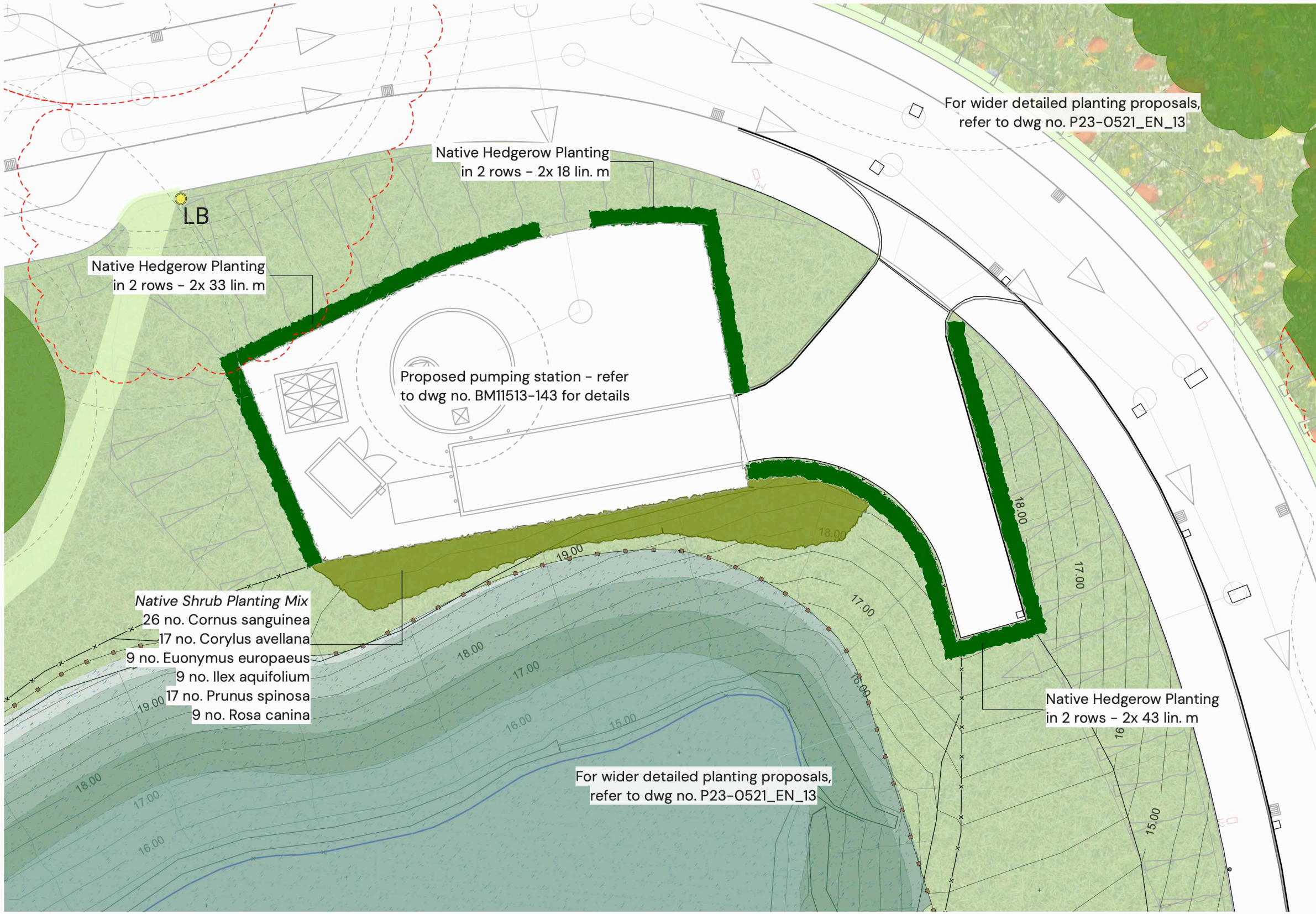


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Issue:



- KEY**
- Site Boundary
 - Existing vegetation (with RPAs) to be retained to BS 5837
 - Existing vegetation to be removed
 - Proposed native hedgerow planting
 - Proposed native shrub planting
 - Proposed long grassland - to be Emorsgate EMIO Tussock grassland or similar approved
 - Proposed timber post and rail fence
 - Proposed drainage - refer to dwg by others for details

PLANTING SPECIFICATION

These implementation and maintenance guidelines are for planning purposes only to indicate the level of workmanship to be specified and do not constitute a detailed specification.

1. GENERAL

- All landscape operatives will be appropriately trained, certified and qualified to undertake the tasks required. When required, the relevant certificates will be made available for inspection. All work is to be carried out in accordance with the relevant British Standards, Codes of Practice and Legislation.
- All plants shall conform to BS 3936 and be in accordance with the National Plant Specification. Supplying nurseries shall be registered under the HTA Nursery Certification Scheme. All plants shall be packed and transported in accordance with the Code of Practice for Plant Handling as produced by CPSE.
- Prior to planting soil percolation tests will be undertaken to ensure the soil is free draining and that planting will not become waterlogged. If soil is not free-draining the landscape architect should be informed and advice should be sought from a soil scientist, following which remediation/drainage solutions undertaken to ensure planting will thrive.
- Planting shall not be carried out when the ground is waterlogged, frost bound or during periods of cold drying winds. All bareroot planting stock will be kept covered until actually planted in order to minimise water-loss and prevent the roots from drying out.
- The landscape contractor shall maintain all areas of new planting for a period of 12 months following practical completion. All stock deemed to be dead, dying or diseased within the defects period shall be replaced by the contractor at his own cost.
- A minimum intervention approach will be used in terms of weed control. In areas of transplant shrub planting this is to be achieved by using mulch mats and hand-weeding. Weed killer and other chemicals will be used as little as possible on site. Spot removal of weeds will be carried out by hand removal as necessary.

2. NATIVE HEDGE PLANTING

Ground Preparation

- Where necessary existing weeds will be treated with a glyphosate-based herbicide and a suitable period allowed to elapse, as recommended by the manufacturer, for the herbicide to take effect.
- All extraneous matter such as plastic, wood, metal and stones greater than 50mm diameter will be removed from site to a registered waste disposal facility.

Planting

- The planting arrangement shall be as set out in the plant schedule on the relevant planting plan.
- All container-grown shrubs will be planted in two rows of 100cm lengths

Maintenance during first growing season

- All dead, dying or diseased hedge plants will be replaced with plants of similar size and species. If the failure of the plant is due to disease and the disease is considered likely to re-occur then an alternative species may be used as replacement if agreed with the LPA.
- The planting area will be kept weed free throughout the maintenance period using approved herbicides in April, June and August

3. NATIVE SHRUB PLANTING

Ground Preparation

- Cut existing rough grass and weeds to between 20mm and 30mm and remove 300x300mm squares of turf at 1/m².

Planting

- The minimum overall recommended rooting depth for shrubs is 600mm. The first 300mm shall be made up of multi-purpose topsoil; it shall be ensured that a suitable subsoil provides the remainder of the minimum rooting depth. Before receiving topsoil, subsoils should be loosened using ripping equipment; this shall be done when the subsoil is dry to encourage soil shattering. All stones and other objects larger than 50 mm shall be removed from the prepared surface.
- Shrub is to be as per the planting pattern as set out on the planting plan and planting schedule, with shrubs planted at even spaces into the prepared soil at the specified number per centre, with minimal disturbance to the rootball, and well firmed in. Planting should avoid man-made grids and lines, and should group species together in groups of 5-7 plants. Spread ornamental pine bark mulch to a depth of 75mm to a 900mm diameter around each planting station.

- All bare-root planting stock will be protected from rabbit damage using approved proprietary 0.6m plastic shrub guards, supported with 0.9m x 32mm x 32mm softwood stakes as advised by the manufacturer
- All container-grown planting stock will be protected from rabbit damage using approved proprietary 600mm plastic shrub shelters, supported with 0.9m x 32mm x 32mm softwood stakes as advised by the manufacturer.

Maintenance

- Using approved herbicides, a 900mm diameter circle centred on each planting station shall be kept weed free throughout the maintenance period. In the autumn following planting the CA will prepare a list of all plants which are dead, dying or diseased and are to be replaced during the following planting season.

4. LONG GRASSLAND

Preparation

- Areas of wildflower meadow to be seeded shall be sprayed out with a glyphosate herbicide and cultivated to a depth of 100mm removing all weeds debris and stones over 75mm diameter. The surface shall be raked to smooth flowing contours with a fine tilth.

Seeding

- Seeds shall be sown either in April/May or September/October during calm weather and not when the ground is frost bound or waterlogged.

- To achieve an even sowing, bulk with an inert carrier, such as sand. Seed shall be sown in two equal sowings in transverse directions at e.g. 4g/m2 for Emorsgate EMIO Tussock grassland mixture. After sowing the contractor shall roll in the seed to guarantee intimate contact with the soil, ensuring not to rake or cover the seed with soil.

Initial Cut

- During first 12 months sward to be regularly cut to minimise competition and weed seed production. Cutting should be frequent enough to disperse the cuttings, or if less frequent remove the cuttings. Cutting to be suspended between April and July to allow flowering of the cornfield annuals.

- Both amenity and meadow grass shall be regularly maintained between 25 and 50mm during the first season after sowing.

5. GENERAL MAINTENANCE

- The Landscape contractor shall maintain all areas of new planting for a period of 12 months following practical completion. All stock deemed to be dead, dying or diseased within the defects period shall be replaced by the contractor at his own cost. The site is to be visited monthly throughout the year to undertake the Following operations:
 - Weed clearance: All planting areas to be kept weed free by hand weeding or herbicide treatment.
 - Litter clearance: All litter is to be removed from planting beds.
 - Watering: All planted areas are to be watered for the first two years from May to September following any dry periods of 7 days.

Shrubs

- All shrubs are to be watered for the first two years from May to September following any dry periods of 7 days. Any broken stakes are to be replaced. Any damaged shoots/branches are to be pruned back to healthy wood. Plants are to be pruned in accordance with good horticultural practice to maintain healthy, well-shaped specimens. Native shrubs - Using approved herbicides a 1m diameter circle centred on each planting station shall be kept weed free throughout the maintenance period. Stakes may be removed from Year 2 if plant is fully established and if shelter is suppressing further growth.

Hedges

- Hedge lines shall be kept mulched until established. At the end of the Defects Liability Period / First Year's Maintenance the CA will prepare a list of all plants which are dead, dying or diseased and are to be replaced during the following planting season at the contractor's expense.
- Native hedgerows will be maintained at a minimum height of 2.4m.

Planting Schedule

Native Hedgerow Planting

Species	Mix	Form	Root Condition
ReadyHedge Mixed Native Hedging Trough Pallet	Acer campestre, Corylus avellana, Crataegus monogyna (min. 60%), Ligustrum vulgare, Malus sylvestre and Prunus padus	100cm long x 20cm deep x 80-100cm height	100cm trough

Native Shrub Mix
To be planted at 1/m²

Species	Mix %	Height (cm)	Specification	Root Condition
Cornus sanguinea	30	60-80	Branched; 1+1	B
Corylus avellana	20	60-80	Branched; 1+2	B
Euonymus europaeus	10	40-60	Branched; 1+1	B
Ilex aquifolium	10	40-60	Leader with laterals	3L
Prunus spinosa	20	60-80	Branched; 1+1	B
Rosa canina	10	40-60	Branched	3L

Great Milton Garden Village, Llanwern, Newport – Pumping Station Detailed Planting Proposals

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