



- Timber knee rail
- 2.0m high timber fence
- 2.0m combination brick wall and fence panels
- 2.0m brick wall
- Garden shed with tongue and groove cladding and tongue and groove roof boarding.
- 2.1x1.5m (3.15m²) garden shed
- 2.4x1.8m (4.32m²) garden shed
- Riven paving slabs
- Grass

Broadleaved woodland - As specified in Arbor Vitae Habitat Management Plan

Existing woodland along the north boundary will be retained and protected throughout all work on site. The area measures approximately 600m². Supplementary under planting within open areas of the woodland will be carried out to provide suitable egg-laying and food plant species which a range of butterflies will use.

Trees/shrubs will be planted at 3m x 3m density

- 12-14cm Heavy Standard
- 20% - Oak (Quercus robur)
 - 20% - Silver Birch (Betula pendula)
 - 20% - Scots Pine (Pinus sylvestris)
- 8/10cm Standard
- 10% - Field Maple (Acer campestre)
 - 10% - Bird Cherry (Prunus padus)
 - 5% - Hawthorn (Crataegus monogyna)
 - 5% - Blackthorn (Prunus spinosa)
 - 5% - Hazel (Corylus avellana)
 - 5% - Holly (Ilex aquifolium)
- 1.0m whips
- 7 No. - Plum (Prunus domestica)
 - 7 No. - Pear (Pyrus spp)
 - 7 No. - Apple (Malus domestica)
 - 7 No. - Rose (Rosa spp)

Herbaceous food plants - As specified in Arbor Vitae Habitat Management Plan

An area of approximately 250m² will be planted with a mosaic of herbaceous perennial plants, to include the following:

20 No. - Common bird's foot-trefoil (Lotus corniculatus)

20 No. - Greater bird's foot-trefoil (Lotus pedunculatus)

20 No. - Nettle (Urtica dioica)

20 No. - Garlic (mustard Alliaria petiolata)

20 No. - Buddlejia (Buddleja davidii)

20 No. - Purple top (Verbena bonariensis)

20 No. - Marjoram (Origanum majorana)

20 No. - Thistle (Rhus fruticosus)

20 No. - Bramble (Cardus & Cirsium spp)

Grassland and wildflowers - As specified in Arbor Vitae Habitat Management Plan

An area of approximately 550m² will be subject to part re-seeding along the south facing slope of the landscape bund along the north boundary

Wildflower seed will be sown at a rate of 2.5g/1m² or 10kg/1 acre.

Bird's foot trefoil species will make up around 75% of the grassland sward. The following plant species are required as a minimum:

- Common Bent (Agrostis capillaris)
- Red Fescue (Festuca rubra)
- Cock's Foot (Dactylis glomerata)
- Yorkshire Fog (Holcus lanatus)
- Bird's-foot Trefoil (Lotus corniculatus)
- Yellow rattle (Rhinanthus minor)
- Buttercup sp (Ranunculus sp)
- Fluabane (Pulicaria dysenterica)
- Kidney Vetch (Origanum vulgare)
- Wild Marjoram (Hieracium pilosella)
- Black Knapweed (Centaurea nigra)

Area of graded embankment as approved in planning application P/2019/0805

As defined in the "Tree Condition Report Arboricultural Impact Assessment Arboricultural Method Statement Tree Protection Plan" by Forester & Arborist Services Ltd

Hedgerow

Planting to the eastern and southern boundaries

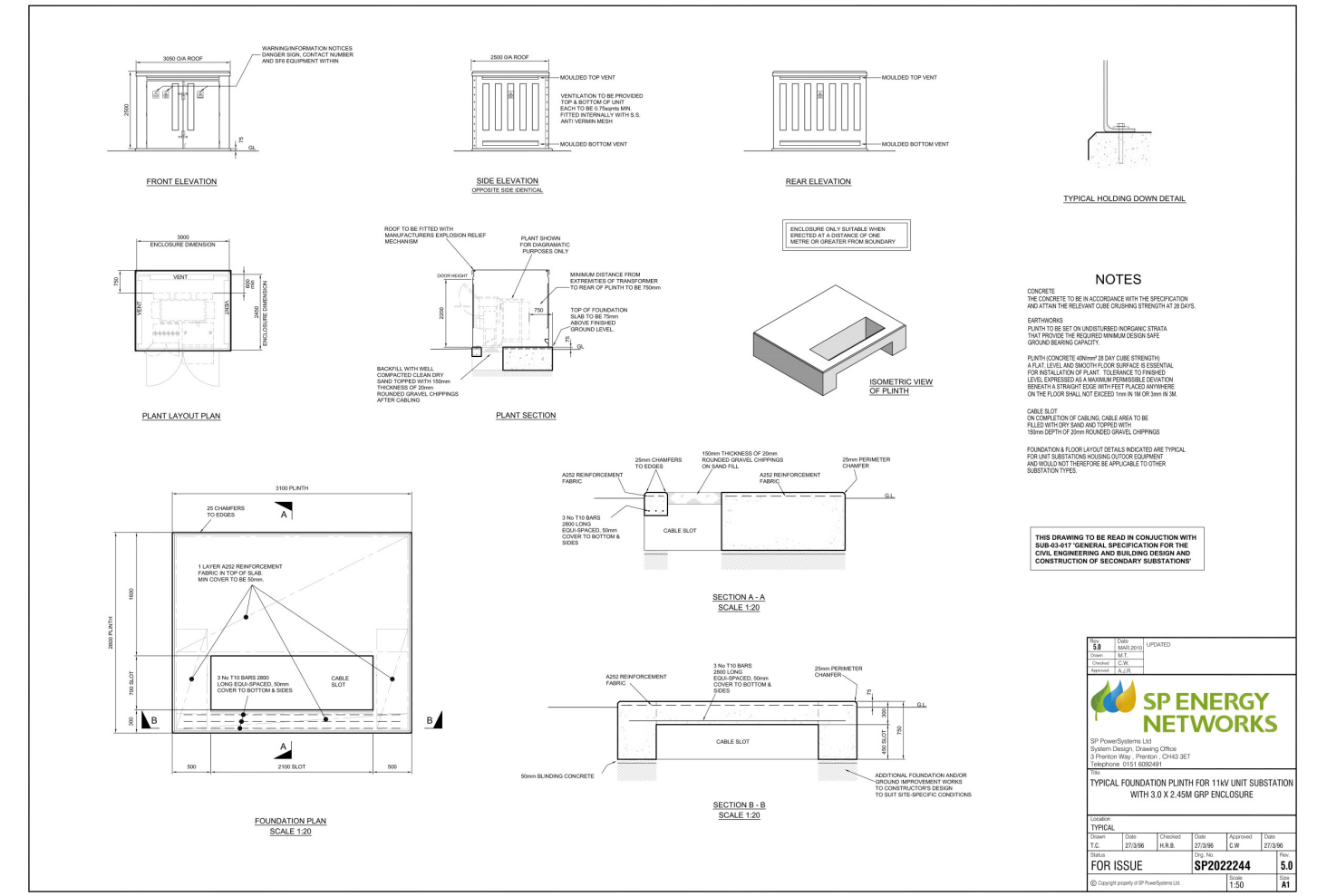
Whips

hawthorn (Crataegus monogyna)

holly Hedgerow (Ilex aquifolium)

Light standard

crab apple (Malus sylvestris)



Proposed Electric Substation Scale NTS

TREES (all 12-14cm Heavy Standard)

Pa - Wild Cherry (Prunus avium)

Sa - Mountain Ash (Sorbus aucuparia)

Qr - Oak (Quercus robur)

Bp - Silver Birch (Betula pendula)

Ag - Common Alder (Alnus glutinosa)

Sc - Goat Willow (Salix caprea)

POND EDGE MIX

Pond edge mixture contains wild flowers and grasses suitable for sowing at the wet margins of ponds, streams and ditches.

Wild Flowers

%	Latin name	Common name
0.5	Achillea ptarmica	Snowdrop
2	Angelica sylvestris	Wild Angelica
0.2	Caltha palustris	Marsh Marigold
1.5	Centaurea nigra	Common Knapweed
1	Eupatorium cannabinum	Hemp Agrimony
3	Filipendula ulmaria	Meadowsweet
0.5	Geum rivale	Water Aven
0.5	Hypericum tetrapetrum	Square-stalked St. John's Wort
4	Iris pseudacorus	Yellow Iris
1	Lotus pedunculatus	Greater Birdfoot Trefoil
0.8	Lycopus europaeus	Gypsywort
0.6	Lythrum salicaria	Purple Loosestrife
0.1	Menyanthes aquatica	Water Mint
0.1	Pulsatilla dysenterica	Common Fleabane
2	Ranunculus acris	Meadow Buttercup
0.6	Sanguisorba officinalis	Great Burnet
0.8	Silene flos-cuculi - (Lycnris flos-cuculi)	Ragged Robin
0.5	Succisa pratensis	Devil's-bit Scabious
0.3	Vicia cracca	Tufted Vetch

GRASSES

%	Latin name	Common name
10	Agrostis capillaris	Common Bent
2	Allopecurus pratensis	Meadow Foxtail (w)
2	Anthoxanthum odoratum	Sweet Vernal-grass (w)
2	Briza media	Quaking Grass (w)
32	Cynosurus cristatus	Crested Dogtail
1	Deschampsia cespitosa	Tufted Hair-grass (w)
24	Festuca rubra	Slender-creeping Red-fescue
1	Hordium secalinum	Meadow Barley (w)
6	Schedonorus pratensis - (Festuca pratensis)	Meadow Fescue (w)

Sowing Rates 4 g/m²

FLOWERING WILD MEADOW MIXTURE

Mixture contains slow growing grasses with a selection of wild flowers that respond well to regular short mowing.

Wild Flowers

%	Latin name	Common name
3.5	Gallium verum	Lady's Bedstraw
0.5	Leontodon hispidus	Rough Hawkbit
1.5	Leucanthemum vulgare	Oxeye Daisy
2	Lotus corniculatus	Birdfoot Trefoil
4	Primula veris	Cowslip
3	Prunella vulgaris	Selfheal
2	Ranunculus acris	Meadow Buttercup
2	Rumex acetosa	Common Sorrel
1.5	Trifolium pratense	Wild Red Clover

GRASSES

%	Latin name	Common name
8	Agrostis capillaris	Common Bent
40	Cynosurus cristatus	Crested Dogtail
28	Festuca rubra	Slender-creeping Red-fescue
4	Phleum bertolonii	Smaller Cat's-tail

Sowing Rates 4g/m²

PLANTING

All plants and planting to comply with the requirements of all current/relevant British Standard Specifications including BS 3936 Part 1 1992, Part 11 1990 and Part 1V 1984, where applicable BS 4428: 1989 and the Ball/LIN Nursery Trade Tender Document (5th Edition: 1986) All plants to be supplied in accordance with the indicated schedule.

MAINTENANCE

Regular visits (minimum 12 No) required to maintain all planted areas in a weed and litter free condition using a combination of chemical spray and hand weeding to be agreed with the Landscape Architect.

Maintenance to include watering, pruning pest and disease control and mulching as required. Grass mowing at 2 week intervals during growing season.

Structural planting areas shall be maintained as 'bare earth' non competitive weed free environment by repeated application of a glyphosate based herbicide. Persistent weeds and unwanted shrub shall be spot treated as necessary with an alternative herbicide to be agreed with the Landscape Architect.

Watering shall be carried out as described following any five day period without rain or as required by the Landscape Architect.

NB. Final visit to be immediately prior to handing over and include a fertiliser treatment of Erimag (6:20:10) at 100g/m² and 25mm depth bark mulch top up to all planted areas.

FULL SPECIFICATION

Shall prevail in the event of any discrepancy with this summary.



Root Protection

Where tree and hedgerow planting is located within 2.0m of adjacent parking bays and hard surface areas. RetFoot Flat Deep linear application flat root barrier to be installed adjacent to hard surfacing to reduce the future risks of ground disturbances through maturing, surface root activity.

NOTES REGARDING IMPLEMENTATION WORKS TO BE CARRIED OUT ETC

Implementation timetables shall be the first planting season following completion of construction of the part of the site prior to occupation.

The works will be completed fully before occupation of any part of the development. Planting and trees shall remain as approved by Local Planning Authority for 5 years after approved date and if damaged will be replaced with others of same species.

PLANT MATERIAL TREATMENT

NB. All to be British Crown stock and fully hardened off.

Root Dip - Alignure Root Dip (1-3 solution) applied to all bare rooted stock (1) at time of lifting Nursery and (2) prior to planting.

Anti-Desiccant - with proof S800 to be applied to foliage of all containerised rootballed material in leaf, specimen conifers and evergreens etc. (1) prior to transportation and (2) during any daily planting.

Pruning - Allow for Pruning of all deciduous shrubs by 1/3rd following planting at landscape architects direction in the Planting Schedule.

New Hedge planting - New hedges are to be planted in two staggered rows, rows 500mm apart and plants within rows 400mm apart. Allow for 5 plants per linear metre. Plant in small single species groups to prevent competition between the species. Holly and larger growing trees are to be planted individually.

Immediately after planting out hawthorn down to 150mm. If rabbits are a problem use shrub guards to protect plants, these are larger in diameter than spiral guards and so allow low lateral growth to develop. In the first spring after planting trim all lateral branches back by 50% (not holly). Prune damaged, diseased or dead wood immediately after leaf break. Follow with a light trim every second or third year, allowing the hedge to increase in size each time. Replace dead, dying or damaged stock with the same species as soon as practicable in the first planting season following failure.

Check regularly that the shrub guards are sound and secure, and replace as necessary.

Revision:

A	Hard landscaping details added.	05/01/24
B	Additional proposed planting added.	03/05/24
C	Planting details amended.	15/05/24

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Client:

Cartell GO Ltd

Project:

Residential Development
Wynnstey Park
Ruabon
Wrexham

Drawing title:

Hard and Soft Landscaping Plan

Scale:

1:500 @ A1

Date:

November 2020

Drawing number:

18/1786/11

Revision:

C

Section A - A Scale 1:200

Section B - B Scale 1:200