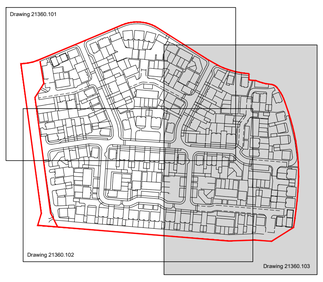
Drawing Key



Outline Planting Specification

GENERAL NOTES
All plants to be healthy and in compliance of BS3936 Specification For Nursery Stock and planting operations should be carried out in accordance with BS4428 Code of Practice for General Landscape Operations.

IMPLEMENTATION PROGRAMME
Rootballed trees, containerised planting stock and bareroot hedges to be planted within dormant season (Nov -March) within the first planting season following completion of the building works. Grass seed to be sown in the first spring following completion of the building and planting works, or turf can be laid any time of the year during suitable weather conditions.

GROUND PREPARATION
All soil areas to be cultivated prior to the commencement of planting and seeding operations. Works to include the loosening, aerating and breaking up soil to a depth of 400 mm for planting beds and 150 mm in proposed grass areas, with weeds and any stones removed. For areas designated for seeding or turfing, topsoil shall be prepared to a fine tilth by mechanical or hand raking. Surfaces shall be prepared to a consistent level with any surface deviation greater than 15 mm regraded. All imported materials shall be in accordance with BS 3882 for amenity use.

All areas to be planted are to be treated with roundup or similar approved herbicide at least 14 days before planting operations commence

GARDEN PREPARATION POLICY
All groundworks in the vicinity of and soil handling, spreading operations to front and rear gardens across site to be in accordance with Bellways Garden Preparation Policy. Refer to group technical good practice guide - Avoiding Waterlogged Gardens.

TOPSOILING
All top soiling to general planting and grass areas to be in accordance with BS3882. All topsoil supplied to site shall be free or pernicious weeds and roots, clay lumps, non-soil materials or other building materials. Topsoil shall be spread evenly over areas and settlement accounted for in depth calculations. Topsoil is to be spread in layers and firmed when the material is reasonably dry. All soil finishes should be married in with existing adjacent levels to form a consistent join.
Minimum topsoil depths are as follows;
Grass and Acoustic bund meadow grass areas 150 mm
Shrubs 400 mm
Trees backfill with 300 mm depth, or backfilled to rootball depth + 100 mm using topsoil subsoil mix if smeared clay is present in pit or soil is identified as contaminated.

TREEPLANTING
Tree pits are to be excavated to the depth of the rootball or larger as per the attached section with the base forked over to prevent smearing. Trees are to be planted at the same depth as supplied. Pits are to be backfilled using a mix of TPMC and this operation is to be completed in layers and firmed.

All trees are to be double staked (small trees will be single staked), cut approximately one third clear height of stem above ground level. Double staked trees to be attached to wooden crossbar on windward side using adjustable ties. All trees are to be thoroughly watered after planting. Strim guards to be fitted to base of tree.

Tree planting details can be found on Drawing 21360.102 Sheet 2 of 3.

SHRUB AND ORNAMENTAL HEDGE PLANTING
All shrub planting to be pit planted in sufficient sized pits capable of fully accommodating the root system. Shrubs to be planted a level as supplied and heeled in and watered if planting works are completed during a dry period.

ACOUSTIC BUND PLANTING
All planting shall be pit planted in sufficient sized pits capable of fully accommodating the root system. Shrubs to be planted a level as supplied and heeled in and watered if planting works are completed during a dry period. Dead damaged or straggly branches shall be removed after planting. All plants shall be fitted with strim and protection guards, where possible these shall be supplied in black or green with sufficient support and means to allow for expansion. 1.2m High timber post and wire fence to be integrated into southern boundary of planting to protect from unauthorised access during establishment.

Bark mulch (not shredded timber) is be applied to the base of the plantng area and spread to a minimum depth of 75 mm with particle size of 30-50mm. The mulch shall be free of disease, pest or weed contamination, treated with a fire retardent and be supplied with a certificate of quality.

GRASS TURFING
Once cultivation operations have been completed, turf should be laid to designated areas. Turf being laid shall be of good quality, having been lifted no more than 24 hours earlier. Turfs shall be laid to allow for contraction of the turves so that no gaps become visible. When laying no section of turf should be laid shorter than 500 mm. after laying all turf is to be lightly rolled to ensure the consolidation of the topsoil below. If no precipitation is imminent, the area shall even watered as required to ensure that the turves are fully saturated. The area shall then be marked off to prevent trafficking until the grass has established.

GENERAL PURPOSE MEADOW MIXTURE
Control existing seed bank and weed establishment with an approved herbicide treatment prior to initial sowing. To prepare a seed bed first remove weeds using repeated cultivation. Then plough or dig to bury the surface vegetation, harrow or rake to produce a medium tilth, and roll or tread to produce a level firm surface.

Sow in the autumn or spring. The seed must be surface sown and can be applied by machine or broadcast by hand at a rate specified by the manufacturer. Do not incorporate or cover the seed and ensure consolidation of the seed in the soil by use of a light roller, or alternatively by treading, to give good soil/seed contact.

BIO RETENTION POND AND SWALES MEADOW PLANTING
Sowings on ground prone to winter flooding are safest either in the early autumn or in spring once the land has drained. Most plants need time to grow mature enough to withstand flooding.

The seed must be surface sown and can be applied by machine or broadcast by hand at a rate specified by the manufacturer. Do not incorporate or cover the seed and ensure consolidation of the seed in the soil by use of a light roller, or alternatively by treading, to give good soil/seed contact.

Most sown meadow wild flower and grass species are perennial; they will be slow to germinate and grow and will not usually flower in their first growing season. There will often be a flush of annual weeds from the soil in the first growing season which may grow up and obscure the meadow seedlings beneath. This annual weed growth is easily controlled by topping or mowing. Mow newly sown meadows regularly throughout the first year of establishment to a height of 40-60mm, removing cuttings if dense. This will control annual weeds and help maintain balance between faster growing grasses and slower developing wild flowers. Remove any residual perennial weeds such as docks.

MULCH
Bark mulch (not shredded timber) is be applied to all tree and shrubs areas and spread to a minimum depth of 50 mm with particle size of 30-50mm. The mulch shall be free of disease, pest or weed contamination, treated with a fire retardent and be supplied with a certificate of quality.

GRAVEL CHIPPINGS
Supply and install a non-woven, needle-punched geotextile membrane (Terram 1000 similar or approved) on a prepared levelled sub grade free of sharp objects. Geotextile to be a minimum of 100 g/m², suitable for separation and filtration beneath gravel surfacing. Install with 300 mm overlaps and cover with a 50 mm minimum depth, gravel limestone chipping (20mm aggregate size, to be supplied washed free from fines and clay). Membrane to be installed so that edges are well anchored and material is not visible.

Avenue tree planting and hedging works to be installed as part of St Modwen's green infrastructure works.

L A P
Refer to drawing 21360.133

Acoustic bund planting 566 m²

Key

- Red Line Boundary
- Proposed Tree (Root protection barrier indicated)
- Proposed shrub and hedge planting
- Acoustic bund planting
- Amenity grass
- Meadow grass to acoustic bund
- Meadow grass to attenuation basin and bio-retention verges
- Gravel chippings (Limestone 20mm ag. size chippings)
- Garden tree rooting area (area stated)
- Street tree rooting area (area stated)
- Soil cell rooting area (area stated)

Notes

1) Do not scale directly from this drawing.

2) This drawing is to be read in conjunction with all other relevant MHP drawings and information supplied by other consultants.

3) Hatch patterns displayed on this drawing are indicative only and do not represent actual paving units or material sizes.

4) All tree planting in proximity to buildings to be checked by engineers to ensure foundation detailing is appropriate.

Rev.		Date:	Drawn:	Checked:
S	Driveways increased in lenght to plots below to accomodate additional space, planting amendment to plots 41, 47 + 48	21-08-26	DAL	PSH
R	Plots 47-52, 59-64, 69, 87, 88, 94 and 126 revised following omissions of garages. Geotextile spec to gravel areas included.	29-05-26	DAL	PSH
Q	Rain gardens shown on plan	07-01-25	DAL	PSH
P	Drawing updated to show existing as built phases with out SABs features and future to be completed phases incorporating SAB's bio retention features. Plots previously completed; 142-172, 178-200 and 206-212.	13-11-25	DAL	PSH
O	Public and private bio retention features omitted from scheme	25-09-25	DAL	PSH
N	Rear path added to plot 180, side access included to plot 199	29-05-25	DAL	PSH
M	Plot 205 handed	02-05-25	DAL	PSH
L	Scheme revised to incorporate SuDS features, tree and shrub species updated, latest lighting layout included.	22-01-25	DAL	PSH
K	Updated to revised layout around sales area, scheme wide changes including sub station area identified across site and updated. Planting schedule updated.	05-12-23	DAL	PSH
J	Plots 149-153 revised, tree soil volume calculations included	26-06-23	DAL	PSH
I	Sheds to rear gardens included	18-05-23	DAL	PSH
H	Root protection barrier included and extent shown.	17-04-23	DAL	PSH
G	Rear gardens to plots 145-150 amended, changes to paths to frontages 152-157 and 135-139 picked up.	21-03-23	DAL	PSH
F	Substation by plots 8-13 incorporated, adjacent planting revised	24-01-23	DAL	PSH
E	Trees amended in accordance with engineering proposals	22-11-22	DAL	PSH
D	Layout revised to architects plan, LAP's updated	26-10-22	DAL	PSH
C	Drainage layout superimposed to check planting	11-10-22	DAL	PSH
B	Revised to latest architectural layout and comments received from landscape officer, regarding; trees and sizes, planting mixes and additional planting along boundary walls.	19-08-22	DAL	PSH
A	Revised to updated layout, planting omitted where conflicts with drainage, sprinkler feeder pillar and fibre cabinet included	09-05-22	DAL	PSH

Revisions:

Project: Llanwern, Phase 4H - Alder Grove

Client: Bellway Homes (Wales) Ltd

Title: Soft Landscape Proposals
Sheet 3 of 3

Drawing number: 21360.103 Rev: S

Status: CONSTRUCTION ISSUE

Drawn By:	Checked By:	Date:	Scale @ A0:
DAL	PSH	03-02-22	1:250

Scale
0 1 2 3 5 10 20 40

Llanwern Phase 4H - Alder Grove
Soft Landscape Proposals

N

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