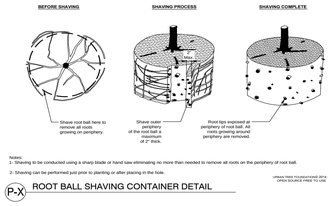
KEY

- Red line boundary
- Blue line boundary

Soft Landscaping

- Emorsgate Seeds EL1 flowering lawn mix
- Proposed ornamental shrub planting
- Proposed ornamental hedge
- Proposed swale wildflower planting mix, approved by Neath Port Talbot Council.
- Emorsgate Seeds EG8 Meadow grass mixture for wet soils.
- Retained existing grassland
- Proposed tree planting
- Proposed swales
- Proposed retention pond
- Proposed settlement pond
- Proposed native understory planting
- Vegetation to be retained.
- Ecologically-sensitive existing vegetation to be retained as part of Phase 1 car park.
- Existing hedge to be transplanted in an approved location by arboriculturist prior to construction phase 1 of car park. On completion of phase 2, plants will be re-planted in their original positions.
- GRASSCRETE (GC2) with GrassMix No. 2



P-X ROOT BALL SHAVING CONTAINER DETAIL

If the roots within the container for the proposed trees require root shaving, due to roots growing periphery - see the above for correct procedure prior to planting. Perishable wrappings and cages such as single layer untreated hessian and narrow gauge chicken wire cages may be retained until the tree is in position but then the upper third of the wrapping and cage should be removed at the same time as back-filling.

TR039-17
TR052-17
TR048-17
HE008-17
TR079-17

TR039-65
TR052-65
TR048-65
HE008-65
TR079-65

TR014
TR003
TR014

5.14+
5.90+
6.80+
6.85+

SH006-11
SH021-11
SH007-11

SL 7.10
SH006-14
SH021-14
SH007-14

SL 7.10
OG022-2
PE006-2
EE001-4
SH006-2
SH018-2

OG001-4
PE006-2
OG022-4
SH006-2
SH014-1

OG022-2
PE005-1
PE006-1
OG001-4

HE010-142

TR017

OG022-6
PE005-3
PE006-3
OG001-12

PE005-13
PE006-13

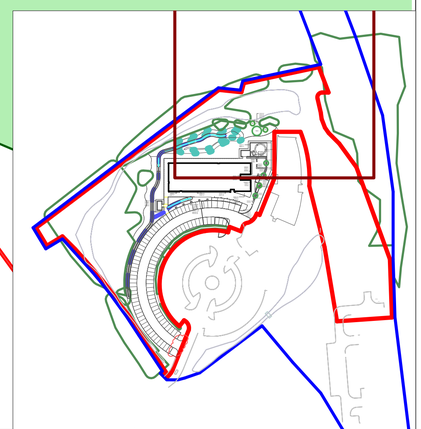
SH018-3
SH006-3
FE001-5
PE006-4
OG022-8

PE005-3
PE006-3

TR017

OG022-4
PE006-2

FFL 7.00



Native Understorey				
ID		Latin Name	Common Name	Scheduled Size
TR039	17	Salix caprea	Goat willow	60-80cm ht. 1+1 or 1/1 BR. Spiral guard and cane.
TR052	17	Salix fragilis	Crack willow	60-80cm ht. 1+1 or 1/1 BR. Spiral guard and cane.
TR048	17	Salix cinerea	Grey willow	60-80cm ht. 1+1 or 1/1 BR. Spiral guard and cane.
HE008	17	Sambucus nigra	Blackthorn	60-80cm ht. 1+2 or 1/2 BR. Spiral guard and cane.
TR079	17	Alnus glutinosa	European Alder	60-80cm ht. 1+2 or 1/2 BR. Spiral guard and cane.

1.2 - All relevant, current British Standards will apply.

1.3 - Planting will not be undertaken during waterlogged or frost bound conditions; full ground preparation and planting instructions on Master Plant Schedule (0008).

1.4 - Root barriers/deflectors to be applied round services in proximity to shrub or tree planting.

2.0 - Soils

2.1 - It is important that **all imported soils** have an interpretive report demonstrating fitness for purpose. Imported soils must not only meet BS, but have been found via a soil scientists interpretive report to be fit for the specific landscape function and contain no contaminants. If it is intended to re-use site-won soil then there must be a Soil Resource Survey and Plan – showing that a soil is fit for purpose in terms of human health and demonstrate fitness for plant health.

All imported subsoil within shrub planting areas and as a seeding substrate, shall comply with BS 8601:2013 and point 2.1. Cultivate to alleviate any compaction and any sharp surface prior to topsoiling and to ensure suitability for wildflower / grass seeding.

2.2 - All imported topsoil shall comply with BS 3882:2015, point 2.1 and shall be approved by the CA.

2.3 - Typically soil profiles are as follows: 150mm topsoil over 150mm subsoil for grass, 300mm topsoil over 300mm subsoil for shrubs and 300mm topsoil overlaid on 600mm of subsoil for trees.

3.0 - Planting

3.1 - Trees must be compliant with Table 1, p.21, BS 8545:2014. This is specific to tree form and is in the format of a checklist that should be ticked off by the landscape architect on delivery (and ideally prior to delivery) of trees.

3.2 - Tree handling, storage and planting to be in accordance with BS8545. All trees shall be planted in uncompacted tree pits (see detail). This should be applied to the likely rooting zone proximity - allow for 5m³ per tree. Pits shall include drainage provision and irrigation. (See GreenBlue Urban tree planting provisions for these) Staking as per planting schedule / details.

3.3 - All shrubs shall be planted within a minimum of 300mm topsoil. Plant in random species groups of 3 to 5 plants, unless otherwise specified.

3.4 - A slow release fertiliser shall be applied to each bed at time of planting.

3.5 - Bark mulch shall be applied with a top dressing to each planting bed including tree pits in all soft landscaping areas. Each planted tree will have a 1m diameter circle around it to be stripped of turf or other surface vegetation. Mulch to be laid to a depth of 75mm after planting and tapered to 25mm over root ball.

3.6 - Plant species to be as specified and approved by CA.

3.7 - All plants shall conform to BS3936-1:1992 and planting operations shall be carried out in accordance with the relevant sections of BS4428:1989.

4.0 Grass/Species-rich/Wildflora seeding

4.1 - All amenity grass areas shall be topsoiled to a depth of 150mm over an aerated 150mm of subsoil.

4.2 - It is intended to retain as much semi-improved grassland / wildflower within the northern community parkland.

4.3 - Areas of grass/speciee-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 a fine tilth.

4.4 - Grass seed shall be EL1 (Flowering Lawn Mixture)) for lawn area by Emorsgate Seed. Sow at 4g/m2.

4.5 - NPT approved swale seed mix (see plant schedule for details) Sow seed at 5g/m2

4.6 - Seed mixture for wetlands to be EM8 – Meadow mixture for wetlands available from Emorsgate Seeds Ltd. In year one there shall be 2 establishment cuts. In year two onwards there shall be 2 annual cuts. First cut should be prior to flowering, and second at the early September following setting of seed.

4.7 - GRASSCRETE GrassMix No. 2 shall be sown at 5g/sq. m. and maintained in line with manufacturer's recommendations.

4.7 With the existing semi-improved / wildflower there shall be 2 annual cuts. First cut should be prior to flowering, and second at the early September following setting of seed

5.0 - Maintenance

5.1 - All planted areas shall be subject to a maintenance programme, which will include the replacement of any trees or plants that, within a period of five years of planting, are removed, die or become, in the opinion of the Local Planning Authority, seriously damaged or defective. These shall be replaced as soon as is reasonably practicable with others of species, size and number as originally approved, unless the Local Planning Authority gives its written consent to any variation. All maintenance to be in line with BS 7370-4: 1993.

5.2 - The programme of maintenance operations shall include the following:

- Weeding and watering
- Top dressing with fertiliser
- Replacing/securing/tightening/loosening of tree stakes/ties as required.
- Litter picking
- Pruning of trees and hedging
- Care of ornamental grasses.

5.3 - See Master Plant Schedule (0008) for plant-specific maintenance notes.

N

REVISIONS:

P01	25.03.20: Updated Layout, Softworks, and Tree Plans	Drawn: GE
P02	06.04.20: Updated Layout around existing condensers	Drawn: GE
P03	15.04.20: Updated Layout, Hard/Soft, and Street Furn.	Drawn: GE
P04	22.05.20: Soft and Hard changes, added details.	Drawn: GE
P05	04.06.20: Updated softworks in line with ecology.	Drawn: GE
P06	17.06.20: Updated softworks around bin store/building.	Drawn: GE
P07	18.06.20: Updated drawing status.	Drawn: GE

STATUS:

D1 (FOR COSTING)

the urbanists
planning & design

Client: Morgan Sindall

Project: Swansea Bay Technology Centre

Title: Soft Landscape Plan [3/3]

Project	Organiser	Volume	Level	Type	Role	Class.	Dwg	Rev.	Status
26X003	URB	XX	XX	DR	L	90	0007	P07	D1 (For costing)

Drawn: GE Date: 18.06.20 Checked: DK Scale: 1:200@A1

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