

## ON PLANTING

- General**
- All matters contained in this drawing are described for the purpose of a planning submission only and not for construction
  - Prior to construction a full landscape specification shall be prepared and issued to the landscape contractor

- British Standards**
- Soiling and planting operations shall comply with relevant British Standards, in particular the following:
    - BS 3882:2015 Specification for Topsoil
    - BS 8601: 2013 Specification for Subsoil
    - BS 4428: 1989 General Landscape Operations
    - BS 5845: 2014 Trees from Nursery to Independence

- Other Standards**
- SAPCA (Sports and Play Construction Association) Code of Practice for the Design Construction & Improvement of Natural Sports Turf (June 2010 1st Edition). Compliance shall be required to the Sports Ground Areas

- Services / Utilities**
- Prior to commencement of works the location of overground and underground utilities shall be confirmed where any conflicts with the landscape proposals shall be assessed and amendments to accommodate these agreed.

- Planting General**
- All planting operations shall conform to the requirements of BS4428
  - All trees & plants shall be of local provenance
  - All horticultural sundries including herbicides shall be applied / fitted in accordance with manufacturers' instructions.
  - All trees & plants shall be thoroughly watered after planting and kept watered during hot, dry weather.

- Vegetation to be retained**
- Site operations shall be restricted the area within the planning application boundary.
  - Within this area, and at this time it is assumed that there is no vegetation that shall be retained.
  - Notwithstanding the above, the contractor shall obtain a confirmation of this prior to beginning any of the landscape works.

## Ground Preparation / Soil Stripping / Spreading

- It is understood that in practical terms the area of land requiring modification encompasses all of the areas for landscape on this drawing.
- It is understood that none of the site area is contaminated.
  - It shall be the intention to re-use suitable soil materials from site as a growing medium: topsoil and subsoil shall be identified and set aside as part of the preparatory works. These shall be separately stockpiled in protected areas on site for re-use.
  - Testing of these materials shall be required prior to their re-use.
  - Retained / reuse material shall be supplemented with imported material compliant with the relevant British Standard (3882 Topsoil / 8601 Subsoil). Imported soils shall strictly be allowed only from an AS DUK source, screened or manufactured soils **SHALL NOT BE ALLOWED**
  - Prior to importing soils, the soils provenance shall be clearly stated, and a Soil Test Certificate along with a Soil Report confirming the suitability of the soil for the intended use in accordance with Part 6 BS3882
  - In all subworks areas the finished depths for soils shall be as follows:
    - For Trees: 300mm min Topsoil 500mm min Subsoil
    - For Shrubs: 300mm min Topsoil 500mm min Subsoil
    - For Wildflora: 300mm Subsoil
    - For Grassed Areas: 150mm min Topsoil 500mm min Subsoil
    - For Sports Areas: 200mm Topsoil 500mm Subsoil

- Soil Preparation**
- All soils shall be loosely placed, where care shall be taken to ensure that compaction, principally from vehicles does not take place. All soils shall be handled in accordance with the relevant British Standard
  - All soils shall be stone picked and graded to the approval of the CA
  - For grass seeding the topsoil surface shall be graded, cultivated to a fine tilth and stone picked to the approval of the CA
  - For wildflora seeding the subsoil surface shall be graded, cultivated to a fine tilth and stone picked
  - For Sports Fields the soils shall be prepared in accordance with the SAPCA Code of Practice
  - If required by the CA an approved herbicide shall be applied to cleared / seeded area prior to planting

## Planting & Wildflora Seeding

- Planting EHS (Extra Heavy Standard) Trees**
- Trees shall be Extra Heavy Standard clear stemmed trees 14-14cm girth
  - Species shall be in accordance with the plant schedule and as shown on the drawing.
  - Trees shall be planted at nursery depth in excavated pits as shown on Dtl 2 . Each tree shall be triple staked and staked and tied. After planting each tree shall be thoroughly watered and the area around the base topped to 75mm depth with a bark mulch as shown.

## Planting Shrubs Herbaceous & Groundcover Planting

- Plants shall be in accordance with the plant schedule
- Plants shall be planted at a rate of 3 - 5 plants per m.sq in beds prepared and top-soiled to a depth of 450mm.
- The backfill material shall be site topsoil mixed with TPMC 25% by volume.
- All plants shall be watered after planting.
- At planting a slow release fertiliser shall be applied, and after planting all beds shall be mulched with an ornamental grade mulch to a depth of 75mm.
- Aquatics / Marginals**
  - All aquatic and marginal plants shall be supplied as plugs and:
  - Shall be planted at a rate of 6 plugs per m.sq in groups of not less than 10 plants.
- Plugs shall be supplied by Anglo Aquatic Plant Co Ltd Tel 020 8363 8548 or similar
- Wildflora Areas- Seeding**
  - Wildflora areas shall be weed free, graded, stone picked and cultivated to a fine tilth to a depth of 150mm.
  - Seed shall be broadcast at manufacturers recommended rates (5gm per m.sq) in dry conditions in either mid-spring or late summer and when instructed by the CA
  - Seed shall be supplied by British Flora (Tel 01684 212027) sown at recommended rates as follows:
    - BFS 10 Species Rich Wildflower Meadow
    - BFS 5 Floodplain Meadow (Base of Swales)
- Grass Seeding**
  - Areas shall be weed free, graded, stone picked and cultivated to a fine tilth to a depth of 150mm.
  - Seed shall be broadcast at manufacturers recommended rates in dry conditions in either mid-spring or late summer and when instructed by the CA
  - Prior to seeding a proprietary pre-seeding fertiliser shall be applied
  - Seed shall be supplied by Germinal UK (Tel 01552 868714) sown at recommended rates as follows:
    - A24 Wear & Tear Mixture
- Sports Field Seeding** (all in accordance with SAPCA Code of Practice & to CA approval)
  - Areas shall be weed free, graded, stone picked and cultivated to a fine tilth to a depth of 150mm.
  - Seed shall be broadcast at manufacturers recommended rates in dry conditions in either mid-spring or late summer and when instructed by the CA
  - Prior to seeding a proprietary pre-seeding fertiliser shall be applied
  - Seed shall be supplied by Germinal UK (Tel 01552 868714) sown at recommended rates as follows:
    - A9 General Outfield Mixture

Prior to seeding the CA shall confirm the relevant seed mixture to each area

- Maintenance**
- All planting works shall be subject to a 5 year Maintenance Programme that shall include the replacement of failed plants on an annual basis. Operations shall include:

- Trees**
- Watering: As required during dry periods  
Pruning: x 1 pa Prune out dead wood  
Fertiliser: x 1 pa in spring  
Stakes & Ties: x 1 pa checking  
Replace failed trees: x 1 pa

- Shrubs Areas**
- Weeding: x 6 throughout the year  
Litter Picking: min 6 visits throughout the year  
Watering: as required during dry weather  
Pruning: x 1 pa November- early January, to achieve bushy healthy growth  
Topping up Mulch: x 1 pa  
Fertiliser applications x 1 in spring  
Replace failed plants: x 1 pa

- Wildflora Areas**
- Weeding: min 6 visits throughout the year  
Litter Picking: min 6 visits throughout the year  
Watering: as required during dry weather  
Cutting: 2 x annually (late spring and late autumn)  
Re-seeding upon request of the CA x 1 pa

- Grassed Areas**
- Weeding: min 6 visits throughout the year  
Litter Picking: min 6 visits throughout the year  
Watering: as required during dry weather  
Cutting: min 8 visits and to maintain grassed areas at less than 150mm at all times  
Re-seeding upon request of the CA x 1 pa

- Sports Areas**
- Weeding: min 6 visits throughout the year  
Litter Picking: min 6 visits throughout the year  
Watering: as required during dry weather  
Cutting: min 12 visits and to maintain grassed areas at less than 50mm at all times  
Re-seeding upon request of the CA x 1 pa

## Waterside Planting

- Shrubs Planted to rear**
- Cornus sanguinea 50%
  - Salix caprea 12.5%
  - Salix lanata 25%
  - Viburnum opulus 12.5%

- Marginals / Aquatics**
- Planted at 6 plants per m.sq in groups of not less than 10 planted to base of swale*
- Alisma plantago-aquatica (10%)
  - Caltha palustris (10%)
  - Iris pseudocacorus (20%)
  - Lychnis flos-cuculi (10%)
  - Lycopus europaeus (10%)
  - Ranunculus flammula (10%)
  - Sparganium erectum (30%)

2 Alnus glutinosa  
12-14cm

2 Alnus glutinosa  
12-14cm

1 Quercus robur  
12-14cm

2 Acer campestre  
12-14cm

1 Quercus robur  
12-14cm

## PLANT SCHEDULE

### TREES

SPECIES		SPECIFICATION	NO
Alnus glutinosa	As Shown	14 - 16cm Girth RB	TBC
Acer campestre	As Shown	14 - 16cm Girth RB	TBC
Prunus avium	As Shown	14 - 16cm Girth RB	TBC
Sorbus aucuparia	As Shown	14 - 16cm Girth RB	TBC
Quercus robur	As Shown	14 - 16cm Girth RB	TBC

### Ornamental Shrubs / Herbaceous Plants

Kniphofia Bees Sunset	5/m.sq	3L Pots	TBC
Phormium Yellow Wave	5/m.sq	3L Pots	TBC
Ilex aquifolium	5/m.sq	3L Pots	TBC

### Waterside Planting (c.100m.sq)

Cornus sanguinea	3/m.sq	Transplants	TBC
Salix caprea	3/m.sq	Transplants	TBC
Salix lanata	3/m.sq	3L Pots	TBC
Viburnum opulus	4/m.sq	3L Pots	TBC

### Marginals & Aquatics (50m.sq)

Alisma plantago-aquatica (10%)	6/m.sq	Plugs	TBC
Caltha palustris (10%)	6/m.sq	Plugs	TBC
Iris pseudocacorus (20%)	6/m.sq	Plugs	TBC
Lychnis flos-cuculi (10%)	6/m.sq	Plugs	TBC
Lycopus europaeus (10%)	6/m.sq	Plugs	TBC
Ranunculus flammula (10%)	6/m.sq	Plugs	TBC
Sparganium erectum (30%)	6/m.sq	Plugs	TBC

## U9 Football Pitch

Seed Mix A9

## U11 Football Pitch

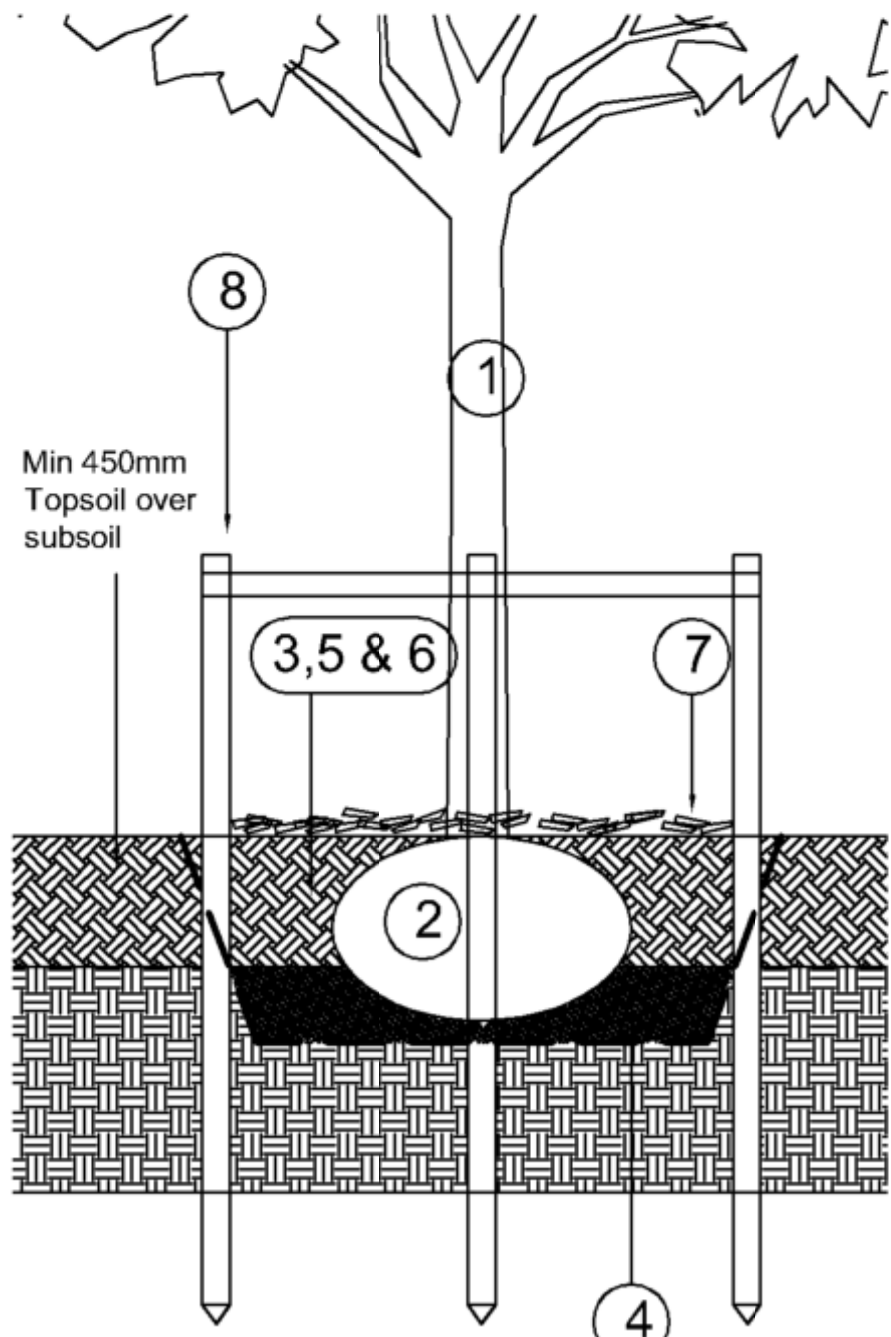
Seed Mix A9

## U7 Football Pitch

Seed Mix A9

## Landscape Layout

Scale 1:250



## EHS Tree Planting

Scale 1:20

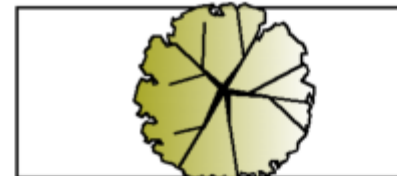
## Notes:

- General:**
- Planting operations shall take place during the planting season Nov-March. Planting operations shall not take place in freezing or wet conditions
  - Planting Stock: shall be compliant with BS 8845/2014
  - Inspection: The Contractor shall notify the CA of a time whereby the trees may be inspected at the nominated nursery
  - Transportation of planting stock shall be in accordance with the JCLI Plant Handling Code
  - Prior to planting the CA shall confirm to the contractor the suitability of site soils for planting
  - During planting operations the contractor shall notify the CA of a suitable time to inspect the tree pit prior to planting.
  - The soil profile shall comprise min 300mm Topsoil over subsoil (500mm)
  - Allow Root Barriers if required by CA

- Tree 14-16cm Extra Heavy Standard Tree
- Root Ball Rootball size indicatively shown. Upon delivery the root-ball shall be inspected and synthetic wrappings or wire removed. The contractor shall allow shaving of root ball to remove roots to the periphery of the ball
- Tree Pit Excavation Excavate planting pit to accommodate slightly less (c.5cm) than the full depth of the root ball and allow a breadth approx. twice that of the root ball (to approx.600mm). incline the sides of the pit. Set aside soils for backfilling
- Sand Bedding Allow importation and spreading and compaction of c.150mm layer horticultural grade sharp sand bedding
- Planting Each tree shall be placed at the centre of the pit upon the sand bed where the top surface of the root ball shall be level with the finished ground level
- Backfilling Backfill utilising excavated material. Material shall be amended including 10% Green Waste to PAS 100
- Mulch Allow 50mm depth composted bark mulch upon completion of planting . Allow 1.0m radially from stem in grassed areas with mulch depth tapering to 25mm depth. Keep Mulch away from the tree bole by approx 250mm
- Stakes & Ties Allow triple staking (prior to backfilling) as indicated as a triangle with the base set to the windward (SW) side. Stakes shall be untreated peeled larchwood (or similar) 2500 x 100 dia. Allow for cutting cleanly at one third height of tree but no greater than 750mm above ground level. Tree ties shall be Hessian nature ties
- Watering Allow thorough watering following planting.

## KEY

Trees



Shrub Planting



Mown Grass



Species Rich Grassland (Wildflora)



Grassed Sports Areas



Swale Planting



Refer to Architects Drgs for Hard Surfaces Fences & Railings

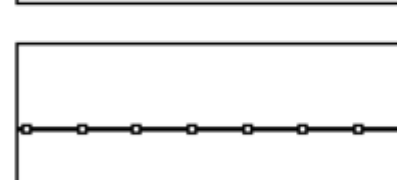
Type 1 Fence

2400mm Hgt Security



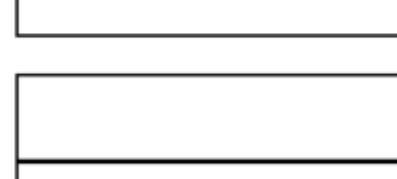
Type 2 Fence

3000mm Hgt Sports Pitch



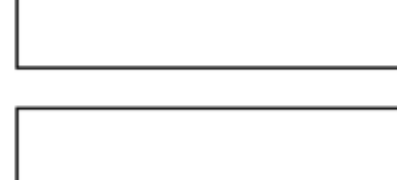
Type 3 Fence

1800mm Hgt Timber Hit & Miss



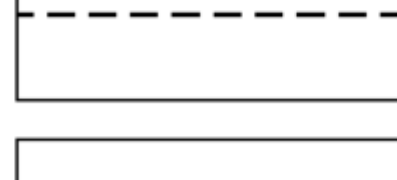
Type 4 Fence

1200mm Hgt Bow Top

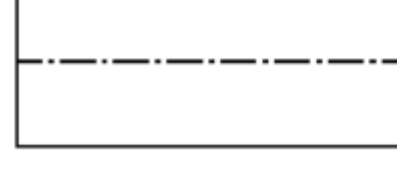


Type 5 Fence

1000mm Openmesh Fence



Tarmac



PC Paviers



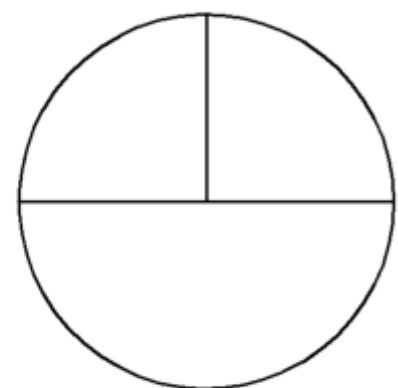
Safeplay Surface



MUGA



North



40m

SCALE BAR

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Rob Malcomson Associates

LANDSCAPE ARCHITECTURE \* LANDSCAPE PLANNING

<b>Client</b>	Galliford Try		
<b>Project</b>	Barry Waterfront School		
<b>Drq Title</b>	Landscape Layout		
<b>Date</b>	March 2021		
<b>Scale</b>	250 @ A0		
<b>Drq.Nr.</b>	RMA-XX-XX-DR-L-470/1	<b>Issue:</b>	01
<b>Author</b>	RM/RKR		

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