

1.0. GENERALLY

- 1.1 British Standards
- Soiling and Planting Operators shall comply with all relevant British Standards. In particular:
 - BS 3882: 2015 Specification for Topsoil
 - BS 8601: 2013 Specification for Subsoil
 - BS 4428: 1989 General Landscape Operators
 - BS 5545: 2014 Trees: From Nursery to Independence
 - BS 3536: 1992 Nursery Stock Specification for Trees & Shrubs
- Trees and Plants shall be supplied in accordance with the National Plant Specification

1.2. Description of Work

- The landscape works include all softworks:
- Soiling, including preparation for planting
- Tree, shrub, and hedgerow planting
- Grass Seeding to the open areas
- 5 year Landscape Maintenance Plan

1.3. Pericious Weeds

- No pericious weeds have been identified within the areas of these works.
- Should the landscape contractor encounter any, notification should be provided to the Contract Administrator prior to continuing work in these areas.
- 1.4. Underground and Overground Services and Utilities
- Prior to landscape works commencing in any area the landscape contractor shall carry out a thorough investigation of the site to identify any underground services with a view to ensuring that conflicts and hazards are eliminated prior to the works commencement.

1.5. Implementation / Programme

- It shall be a requirement that the landscape contractor shall agree matters with the work programme concerning the landscape works so that matters on site are fully coordinated with others.

2.0. EARTHWORKS AND SOILING

- 2.1 Existing & Imported Soils
 - Shall comply with the relevant British Standards as above
 - Shall be from an AS DUG source. Manufactured soils shall only be utilised if agreed with the contract administrator.
 - Shall be accompanied with a compliance certificate along with a statement from the soil test facility of the suitability of the material for its purpose.

2.2. Soil Preparation

- Soils shall be staked, cultivated and stone picked and free of perennial weeds prior to planting or seeding operations taking place.
- In order to ensure weed free planting or seeding areas herbicides (Glyphosate) may be applied to the site prior to the start of the works or after which a second application may be necessary.
- Where soils are newly dished, the existing substrate shall be de-compacted prior to placement and shall be free of deleterious materials - debris, large stones etc along with ANY phytotoxic elements - oils paints, tar-mac.

2.3. Soil Depths

- Soils shall be spread at the following depths:
 - Tree Planting - Min 350mm topsoil / 300mm subsoil
 - Shrub Planting - Min 350 topsoil / 300mm subsoil
 - Open Grassed Areas - Min 150mm topsoil / 300mm subsoil

3.0. PLANTING

3.1. Generally

- Planting operations: shall take place during the planting season Nov-March unless otherwise agreed with Contract Administrator. Planting operators shall not take place in freezing or wet conditions.
- Trees & Shrubs shall be supplied by one of the following nurseries or another that shall be approved by the Contract Administrator:
 - *Wyevates, Kings Acre Road, Hereford HR4 0SE Tel 01432 845200*
 - *Drydges, Prochas, Westbury SV21 9JD Tel 01938 555145*

3.2. Specimen Tree Planting (Ref 2/1/21)

- Heavy Standard Trees (12-14cm Girth) Planted in Soil Areas shall be supplied in accordance with the plant schedule & National Plant Specification. They shall be delivered to site in a standard container.
- Plants shall be delivered to site in a standard container (750mm x 600mm depth) allowing the placement of 300mm topsoil (back-filled with (by volume) 70% excavated topsoil mixed with 30% composted green waste to meet PAS 100. When backfilling allow the inclusion of Rootgrow mycorrhizal powder beneath the rootball and the inclusion of 4 Strataform Flora Tablets.
- Each tree shall be planted at nursery depth upon a sand bed where the top surface of the rootball shall be level with the finished ground level.
- Each tree shall be staked and tied as described.
- After planting each tree shall be thoroughly watered and the area at the base mulched using an ornamental quality bark mulch to 75mm depth, min 0.5m radius / 100mm from tree base

Note: Tree Planting shall be co-ordinated with any underground and overground utilities existing on site. The contractor shall ensure that the correct systems are installed and that any address that the within 3.0m of any proposed tree is protected.

3.3. Shrub Planting

- All plants shall generally be supplied in 3l pots sized 30-40cm height supplied in accordance with the planting schedule and National Plant Specification.
- Areas for planting shall be cultivated and stone picked and free of perennial weeds
- Plants shall be planted in excavated pits min c.300mm dia. that shall be backfilled with excavated soils that shall be thoroughly mixed with 30% by volume composted green waste to meet PAS 100 along with a proprietary slow release fertiliser. Plants shall be spaced in groups at specified densities.
- All plants shall be thoroughly watered immediately following planting.
- All areas of shrub planting, upon completion, and after watering shall be mulched to 75mm depth using an ornamental quality bark mulch

3.4. Hedgerow Planting

- All plants shall be supplied in 3l pots sized 30-40cm supplied in accordance with the planting schedule and National Plant Specification.
- Areas for planting shall be cultivated and stone picked and free of perennial weeds
- Plants shall be planted in excavated pits a row c.400mm wide and 300mm deep that shall be backfilled with excavated soils that shall be thoroughly mixed with 30% by volume composted green waste to meet PAS 100 along with a proprietary slow release fertiliser.
- Plants shall be planted in a single row at 4 plants per 1m metre. All plants shall be thoroughly watered immediately following planting.
- All areas of hedge planting, upon completion, and after watering shall be mulched to 75mm depth using an ornamental quality bark mulch

3.5. Grass Seeding

- Minimum soil depths of 150mm shall be allowed
- Areas shall cultivate and stone picked and free of perennial weeds after which a proprietary per-seeding fertiliser shall be spread and the areas covered with a proprietary per-seeding fertiliser shall be spread and the areas below and ridges shall be eliminated
- After settlement finished levels shall be 25mm above adjoining paving kerbs and manholes
- Seed mixture shall be mixture A24 by Geminal UK sown at the recommended rate of 50g/m sq in dry conditions when rain is forecast at the appropriate time of year. Alternatively the contractor may elect to use an appropriate hard wearing amenity turf.

PLANT SCHEDULE

SPECIES	PLANTED	SPECIFICATION	NO
TREES			
Sorbus 'Sheerwater Seedling	Locations as shown and as Dtl. 1	Heavy Standard 12-14cm Rootballed Tree / 2.0m clear stem from ground	2
Prunus c. 'Chanticleer'			2

Hedgerow Planting			
Berberis darwinii	Planted at 5 plants per 1m in a single row approx. 250mm apart	3L Pots 30-40cm	92
Photinia x Fraseri Little Red Robin		3L Pots 30-40cm	72

Ornamental Shrub Planting			
Rosa Kent	4 per m sq	3L Pots 30-40cm	28
Viburnum davidii	4 per m sq	3L Pots 30-40cm	16
Choisyia White Dazzler			20
Prunus Otto Luyken			12
			20

Grassland (c.58m.sq)
Seed mixture shall be mixture A24 by Geminal UK sown at the recommended rate of 50g/m.sq.

4.0 ESTABLISHMENT MAINTENANCE

4.1 Implementation / Establishment Maintenance

Immediately following the Practical Completion the Maintenance period shall commence and shall include the following:

- Any trees or plants which die, are removed, or become severely damaged or diseased within 5 years of planting shall be replaced in the first available planting season following their demise with the intention of providing the same species in accordance with the plan.
- The matters below shall be minimally allowed for each of the years following Practical Completion:
 - Litter pickup (10x pa)
 - Replacement of failed plants annually (1x)
 - Weeding (10x pa)
 - Mowing (10-12x) Species rich grassland
 - Pruning & Hedge Trimming (1x)
 - Watering (during droughts allow 4x pa)

In the above the following shall be allowed

- 4.2 Trees
 - Check weeds at base / top up mulch
 - Allow pruning dead dying or diseased wood annually removing arisings
 - Allow replacing/re-tixing tree stakes and ties
 - Remove stakes at Year 5

4.3 Hedgerows

- Remove litter / debris
- Check weed / grass growth throughout areas
- Top up mulch
- Apply spring fertiliser - slow release granules
- Allow facing up of hedgerows 1 x annually avoiding the Bird Nesting Season (i.e. from 2-30th Sept inc). In the Autumn and late Winter - Allow vertical growth for 2-3m in the winter. Disaster topping off of hedgerow at 1.5m height. Remove arisings
- Allow leaf collection

4.4 Shrub Plants

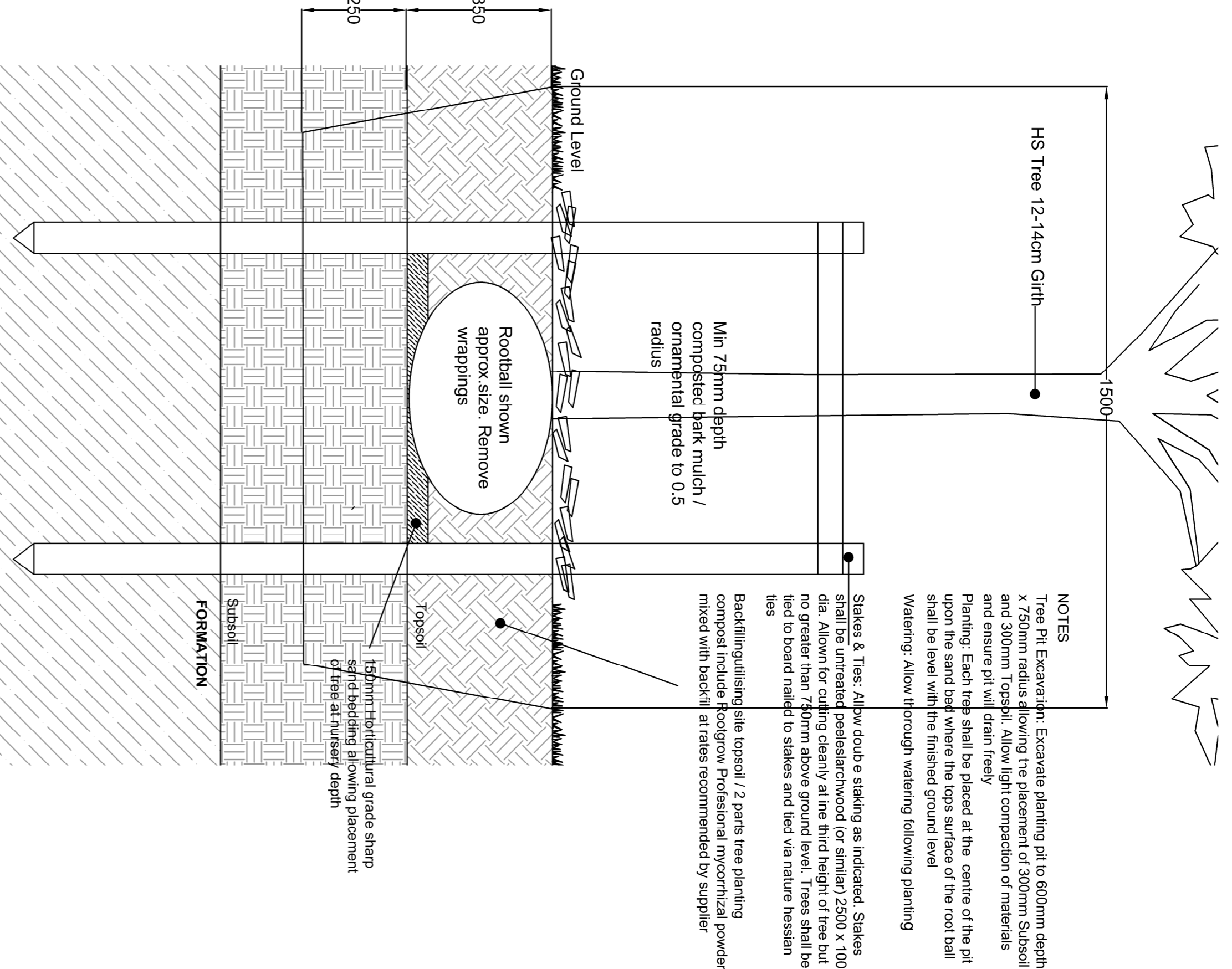
- Remove litter / debris
- Check weed & grass growth throughout areas
- Top up mulch
- Apply spring fertiliser - slow release granules
- Allow pruning as necessary maintaining all shrubs at c.1.0m Hgt. Remove arisings
- Allow leaf collection

4.5 Grassland / Meadow following establishment:

- Remove litter / debris
- Allow weed control
- Allow mow 10-12 cuts per annum maintaining grass at no more than 75mm.
- Allow removal of all arisings from site.



Dtl.1 Heavy Standard (HS) Tree Planting 12-14cm Scale 1:10



NOTES
Tree Pit Excavation: Excavate planting pit to 600mm depth x 750mm radius allowing the placement of 300mm Subsoil and 300mm Topsoil. Allow light compaction of materials and ensure pit will drain freely
Planting: Each tree shall be placed at the centre of the pit upon the sand bed where the tops surface of the root ball shall be level with the finished ground level
Watering: Allow thorough watering following planting

Stakes & Trees: Allow double staking as indicated. Stakes shall be untreated peels/steamwood (or similar) 2500 x 100 dia. Allow for cutting cleanly at the third height of tree but no greater than 750mm above ground level. Trees shall be tied to board nailed to stakes and tied via nature hessian ties

Backfilling/finishing site (post 1/2 parts tree planting compost include Rootgrow. Professional mycorrhizal powder mixed with backfill at rates recommended by supplier)

Notes:
This drawing relates to the soft landscape matters only
For other matter including the following refer to information supplied by others:

- Drainage and Utilities
- Hard Surfaces
- Boundary structures - fences, gates, walling

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Robert Rodger Associates Ltd
Landscape Architecture 'Landscape Planning' Urban Design
'Rivington', Church Lane, Farnon, Chester CH3 6DD

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Project: **Commercial Road Newport**
Dwg. Title: **Landscape Layout & Specification**

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