

Ensure that no products or practices are to be used that do not comply with relevant British Standards, Codes of Practice and that the contractor is to be fully satisfied with locations and off sets of services prior to excavations.

Site clearance generally: Where necessary remove rubbish, concrete, metal, glass, decayed vegetation and contaminated topsoil. Remove stones exceeding 50 mm. Remove material containing toxins, pathogens or other extraneous substances harmful to plant, animal or human life.

Site preparation: Where required all existing topsoil and subsoil shall be stripped and stored separately on site. Heaps must not exceed 3m in height and should be used within 12 months in accordance with BS 4425 (Code of practice for general landscape operations).

Soil build up: Existing topsoil and subsoil to be retained and reused on site within the landscape scheme where possible. Prior to spreading all topsoil to be screened to remove large stones and other deleterious materials, such as plant roots, leaves and clay. Topsoil to be loose-tipped and spread over de-compacted subsoil/receiving area. The total minimum rooting depth for planting, after settlement, should be: Grass 450mm; Planted areas 600mm; Refer to soft landscape details PWP 694 200 for tree pit soil depth requirements for Trees. Topsoil depths for these areas should not normally exceed 300mm with the following minimum depths for each area: Grass 150mm; Planted areas 300mm; Trees 300mm. Meadow & wildflower seeding to be sown directly onto prepared subsoil.

LEVELS
All soft landscape levels to be built up flush to the edge of the perimeter maintenance footpath.

Fertiliser to tree and shrub beds - Apply slow release fertiliser, Scotts 'Enmag' 4.19.10 NPK or equivalent approved at a rate of 50 gms/sq. metre over topsoil surface and fork into top 225mm spit.

Times of year for planting: Deciduous trees, hedges and shrubs: Late October to late March. Evergreen hedges and shrubs: September/ October or April/ May. Container grown plants: At any time if ground and weather conditions are favourable. Watering and weed control to be provided as necessary.

Tree pit sizes: Standard trees excavate to the size shown on Typical Softworks Details PWP 694 200. Break up sides and bottom of pits to a depth of 100mm to ensure free drainage. Tree pit treatment: Soil ameliorant worked into pit bottoms. Pit sides to be scarified and backfilling material to be in accordance with topsoil and subsoil specification. Drainage Layer: Provide 200mm layer washed, clean gravel to base of pits to aid drainage (tree pit to be actively drained if poor draining soil or clay discovered by contractor). Final drainage solution subject to site soil surveys.

Labelling: Identity inspected trees / plants as reserved for use on this project

Tree Accessories: Underground guying is required for all trees. Tree pit accessories by Green Tech or similar: Underground guying: Tree Anchor Rootball Drop-Man System or equal and approved. To be installed as per manufacturer's guidelines.

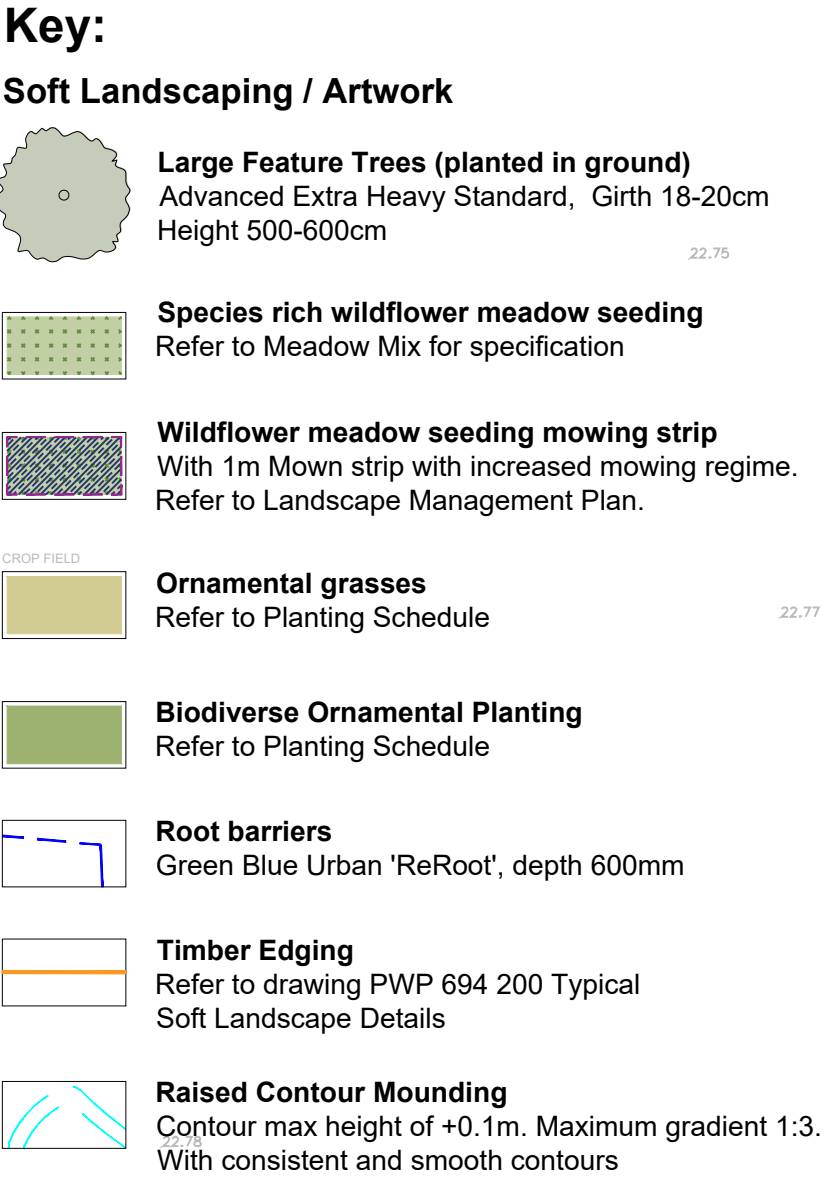
Root Barriers: Locations shown on location plan.Product: Green Blue Urban ReRoot. 600mm depth. Installed as per manufacturer's guidance.

Seeding and making good existing grass areas: Steep embankments to be hydroseeded where required. After cultivating, grading and fertilizing prepare seed bed to fine, firm till with good crumb structure (Depth: 25 mm). Rake to a true, even surface, friable and lightly firm but not over compacted. Remove surface stones/earth clods. Extend cultivation into existing adjacent amenity grassed areas sufficient to ensure full marring in of levels where required. Evenly distribute seeds at an application rate of 35g/m² or as per supplier recommendations. Establish good seed contact with the root zone to promote healthy, consistent growth. Lightly harrow or rake to cover seed. Thoroughly water completed seedling until germination as necessary to keep the surface damp and soil moist but not water logged.

Seed Preparation and Implementation for Wildflower Areas: No addition of nutrient to soil required, subject to soil survey. Method to suit soil type, proposed seed mix, location and weather conditions during and after sowing. A friable firm seed bed required, weed free, alleviation of compaction to a depth of 100-200mm, sowed on a firm and fine tilth. Seed bed preparation to be conducted in dry conditions, close to the time of sowing Remove surface stones/earth clods. Marry in with adjacent levels where required. Evenly distribute seeds at the manufacturers recommended application rate. Establish good seed to soil contact with the root zone to promote healthy, consistent growth. Lightly harrow or rake to cover seed. Thoroughly water completed seeding.

Year 1: Barely Establishing: Once applied, the need of timing plants to be replaced the following growing season. Maintain a weed-free bare earth area from reservoirs around individual trees. Herbicide shall only be used where necessary and if use is required it should be a non-residual translocated herbicide and spot applied/applied with spray guard. Application and use to be in accordance with EA guidance. Prior to spraying ensure all spirals are tight to ground level and leaves within spray range are fully enclosed. Arisings: Remove. Trim all edges. Weed control: Substantially free of broad leaved weeds. Method: Application of a suitable selective herbicide. Remove any stones 25 mm in any dimension brought to the surface. Watering: To ensure establishment.

NOTE: Refer to Barnsley Council Roundabout Extents Plan HD/A635.69/3000/
for full details of below ground utilities easements and visibility constraints.



Tree Schedule:

TREES					
Number	Species	Height cm	Girth cm	Size	Spec
6	Betula pendula (Bp)	500-600	18-20	A- EHS	Root Ball, Clear Stem min 200cm

Ornamental Planting

SHRUB PLANTING					
Number	Species	Spec.	Pot Size	Size cm	Density/m ²
24	Cornus alba 'Siberica'	C	5L	60-80	4
63	Cornus sanguinea 'Midwinter Fire'	C	5L	60-80	4
44	Euonymus fortunei 'Emerald Gaiety'	C	3L	30-40	5
63	Hebe rakaiensis	C	3L	30-40	4
96	Phlomis fruticosa	C	3L	30-40	5
151	Physocarpus 'Tiny Wine'	C	5L	50-60	5

HERBACEOUS PLANTING					
Number	Species	Spec.	Pot Size	Planting size cm	Density/m ²
64	<i>Anemone hupehensis</i> 'September Charm'	C	3L	30-50	5
57	<i>Euphorbia</i> 'Humpty Dumpty'	C	3L	30-40	5
38	<i>Geranium</i> 'Rozanne'	C	3L	20-30	7
25	<i>Heuchera americana</i> 'Green Spice'	C	3L	20-30	7
47	<i>Hylothelephium</i> 'Matrona'	C	3L	20-30	5

To be planted as per specification.

ORNAMENTAL GRASSES					
Number	Species	Spec.	Pot Size	Planting size cm	Density/m ²
132	<i>Calamagrostis brachytricha</i>	C	3L	40-60	5
107	<i>Carex divulsa</i>	C	3L	20-30	7
225	<i>Deschampsia cespitosa</i>	C	3L	40-60	7
122	<i>Panicum virgatum</i> 'Northwind'	C	5L	60-80	5
306	<i>Sesleria autumnalis</i>	C	3L	30-40	7
15	<i>Stipa gigantea</i> 'Gold Fontaine'	C	5L	100-120	3

Total Area: 667m²



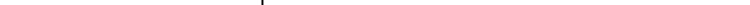
To be sown as per suppliers recommendations.

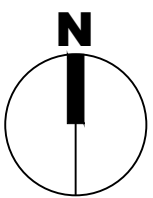
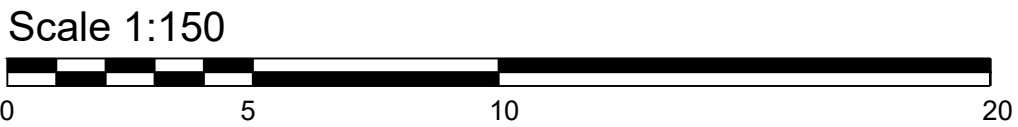
SPECIES RICH MEADOW

John Chambers Heritage Butterfly Meadow 80% Grass Seed Wildflower Mix
Sowing rate @ 5g/m ²

Trees & Services

- Where paths and hard surfacing is proposed within close proximity to trees all construction is to be in accordance with BS 5837: 2012
- Root barriers / root protection measures are to be incorporated where required in accordance with guidelines where existing and proposed trees and vegetation are within 2m of proposed building or trees are in close proximity to services (details to be agreed).
- Tree and shrub planting proposed within drainage easements to be approved by local water authority. Planting to incorporate root protection measures around services or planting pits to ensure the sewer system is resistant to tree root ingress in accordance with the current Code for Design.
- Contractor shall comply with NJUG publication, volume 4 'Guidelines For The Planning, Installation And Maintenance Of Utility Services In Proximity To Trees' together with BS 5837:2012 Trees in Relation to Construction. Where conflict arises refer to the British Standard.

Project: ES10 GOLDTHORPE ROUNDABOUT		Client: BARNESLEY METROPOLITAN BOROUGH COUNCIL									Notes: 1. For Tender purposes only 2. Not for construction all dimensions to be confirmed on site 3. Based on Layout Drawing - HD/A635.69/3000/1 ES10 A635 Goldthorpe Roundabout Easement 4. Refer to engineers drawings for hard landscape, boundary treatments, site levels and drainage. 5. Build ups/footings to engineers specification. 6. Contractor to be fully satisfied with locations of services prior to excavations. 7. All existing trees to be protected to BS 5837. 8. Crown copyright and database rights 2022.		<p>PWP Design Ltd Unit 1, Whiteley Court Pool Road Otley LS21 1FR</p> <p>0113 4572508 info@pwpdesign.co.uk</p>	
Title: PLANTING PLAN AND SCHEDULES		Drawn: PY	Chk'd: RW	App'd SH	T04 24/07/25 Sculpture removed, Trees added	PY	RW	SH						
					T03 30/06/25 Revised scheme, first issue for comment	NS	RW	SH						
					T02 10/03/23 Trees in raised planters removed	RW	SH	SH						
					T01 29/09/22 DRAFT - First tender issue for comment	RW	SH	SH						
Drawing Number: PWP 694 010	Revision: T04	Drawing Scale: 1:150@ A1			Rev	Date	Detail	Made	Chk'd	App'd				



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