



- LANDSCAPE PROPOSALS KEY:**
- EXISTING TREES & HEDGES**
    - DISTING TREES AND HEDGES RETAINED
    - DISTING TREES AND HEDGES REMOVED
  - PROPOSED TREES**
    - SEMI MATURE TREE (20-25cm GIRTH)
    - EXTRA HEAVY STANDARD TREE (1.4-1.6m GIRTH)
    - STANDARD TREE (8-10cm GIRTH)
  - PROPOSED SHRUB & HEDGE PLANTING**
    - ORNAMENTAL SHRUBS AND HERBACEOUS PERENNIALS
    - NATIVE MIXED HEDGE
    - DECIDUOUS HEDGE
    - EVERGREEN HEDGE
    - NATIVE WOODLAND/BUFFER PLANTING
  - PROPOSED GRASS AREAS**
    - AMENITY LAWN TURF TO FRONT & REAR GARDENS
    - SPECIES RICH SHORT MOWN GRASS FLOWERING LAWN MIX
    - SPECIES RICH MEADOW GENERAL MEADOW MIX
    - SPECIES RICH MEADOW SHADE TOLERANT HEDGEROW MIX
  - PLAYSPACE**
    - RUBBER SAFETY SURFACING (EPDM) COLOURED TIC
    - RESIN BOUND AGGREGATE SURFACE

**LANDSCAPE DESIGN STRATEGY**

The landscape strategy for the site aims to achieve the following:

- Retain and manage existing trees and hedges for ecological benefit
- Provide mitigation for the loss of vegetation through the planting of new hedgerows, meadows, woodland and specimen trees
- Provide an attractive and distinctive environment for residents through the use of ornamental tree, hedge and shrub planting on internal streets and in front gardens
- Provide interesting and dynamic places for play which are inclusive, naturalistic and sympathetic to the setting

**Orchard Park**  
A naturalistic area for play set amongst the existing trees on the site. The site slopes from east to west and has a minor ramped path. The equipment area is set on a plateau, with sculpted bankings adding to the play value and allowing the use of embankment slide. Equipment includes:

- Tree tunnel
- Inclusive Swings
- Spraying Dish
- Galcal boulders
- Embarkment slide

Several seating areas are also created along the paths to provide for carers and social interaction. Timber sculptures are indicated to provide features.

Equipment is to be set within EPDM or grass mat safety surface of a depth and extent sufficient for the free fall height/impact area of the specific equipment. All installations to be in accordance with manufacturers recommendations and relevant British Standards, including but not limited to BS EN 1176.

**Pocket Park**  
A pocket Park is located at the pedestrian access to the site from Bankfield Lane. The space features naturalistic play features, alongside the curved man pathway with seating for carers and a timber sculpture. Equipment includes:

- Play tree
- Stepping logs
- Spraying Dish
- Galcal boulders

Equipment is to be set within EPDM or grass mat safety surface of a depth and extent sufficient for the free fall height/impact area of the specific equipment. All installations to be in accordance with manufacturers recommendations and relevant British Standards, including but not limited to BS EN 1176.

**Attenuation Basin**  
A surface water basin is to be created to attenuate flows from the site. This area is to be established as species-rich wildflower meadow. This will be surrounded by existing hedges, proposed species-rich native hedges and native woodland planting. The area will be managed to maximise biodiversity.

**LANDSCAPE SPECIFICATION**  
All plant material (unless previously agreed with the Landscape Architect) shall have been 'grow-on' in Britain for a minimum of 2 years. All planting paraphernalia should be from sustainable sources and plastic free e.g. Green-tech - Natural tree tie is made entirely of natural fibres and is fully bio-degradable, also Green-tech - Rainbow Treesho biodegradable Spiral Guard.

There shall be no mechanical rotation within the RPA's of retained trees. This approach will damage tree roots.

**SHRUB PLANTING**  
Each bed shall be cultivated to a depth of 300mm. All stones in excess of 75mm in any dimension shall be removed from the 18th along the first cultivation. Planting compost shall be spread over the prepared shrub level at the 50mm depth of loose planting compost spread over every square metre of shrub bed. The planting compost shall then be thoroughly mixed and incorporated into the top 300mm of topsoil by forking or rotavator during a second cultivation.

Shrubs and transplants shall comply with the appropriate requirements specified in BS 3936: Parts 1, 4 and 60: 2017a: Part 4, and otherwise shall be of reasonable shape and healthy condition and follow the general quality and packaging requirements of BS 3936.

Bare-root Shrubs, Whips and Transplants shall conform to the sizes and specification details on the Planting Schedule. They shall be in healthy condition with a good fibrous root system in proportion to the size of the plant. Pot grown/transplanted material shall have been individually grown from propagation in a pot or similar container. They shall conform to the sizes specified on the drawings.

**TREE PLANTING**  
Over the area of each planting pit, the true topsoil shall be removed and set to one side for re-use. Pits for Semi-mature trees shall be excavated to 1500 x 1500 x 900mm. Pits for Extra Heavy Standard trees shall be excavated to 1000 x 1000 x 750mm. Pits for Selected Standard trees shall be excavated to 900 x 900 x 600mm.

Trees shall have a sturdy, reasonably straight stem and a well-balanced head with a clearly defined straight and upright leader and no main branch crossing the crown. They shall be in a healthy condition with a strong fibrous root system and of a normal habit for the particular species.

All trees (EM5 and standard) shall be double staked using two short stakes (1.5-1.8 metres long) driven into the ground to leave approximately 1 metre above ground and a cross rail secured across the top. Trees shall be firmly secured to the cross member with laces and spacers with a minimum life expectancy of 4 years. The stakes are to be placed to prevent damage to the trees. The stake must not cause rubbing of the tree trunk. Each tree to shall be nailed to the stake with 2 No. 40mm long galvanised clout nails. The nails must be positioned on the opposite side of the stake to the tree trunk. In line with Leeds Council policy to reduce the use of plastic, all planting paraphernalia should be from sustainable sources and plastic free e.g. Green-tech - Natural tree tie is made entirely of natural fibres and is fully bio-degradable.

**HEDGING**  
Hedging must include bio degradable tree tubes except in private gardens where spiral tree guards can be accepted. The default for hedging is a double row 450mm spacing. All proposed hedges must include bark mulch to a depth of 75mm or a mulch matting system.

**MULCHING**  
Prior to mulching, the Contractor is to restate the previously cultivated soil by leveling undulations caused during planting operations, and by forking over the area to remove compaction if required. Final mulch surface to be left in a lumpy, uniformly level and raised condition. All shrub beds and tree pits shall be mulched using a uniform 75mm depth medium grade, bark nuggets with particles ranging from 5-40mm, free from pests, diseases and fungus. All trees within grass areas are to be mulched to a 1.5 diameter above.

**GRASSLAND**  
Where new grassland is to be established seeding will normally be carried out in the season April-mid October, unless otherwise directed by the Landscape Architect. No seeding to be carried out in frost, drought or waterlogged conditions. After final grading the surface should be gently and uniformly firmed and reduced to a fine tilth up to 25mm depth by raking or harrowing with a spike and chain harrow.

**Amenity Grass Areas**  
Amenity grass areas are to be seeded with a species rich flowering lawn mix such as Emorsgate EL1 Flowering Lawn Mixture or equivalent.

About 48 hours before initial cut, any stone >50mm to be removed from the grassed area. All the grassed area is to be rolled with a light roller to firm grass and press in remaining stones. Initial cut to be carried out after grass is established and from 40-75mm high, according to the seed mixture. Seeded areas to be cut to leave 25mm to 50mm of growth, using a rota scythe or similar approved machinery. Resultant cuttings to be collected and removed from site.

**Meadow Grass**  
A number of different Meadow grass mixes are to be used as identified on the plan, mixes are as follows or equivalent:  
Emorsgate EM8 Meadow Mixture for Wetlands  
Emorsgate EM1 General Purpose Meadow Mixture

Control weeds by repeated applications of a herbicide (e.g. glyphosate) over the growing season and/or repeated cultivation to remove weeds (following).  
Cultivate the soil to sufficient depth to bury remaining trash and to alleviate compaction, then rake and harrow and roll to produce a fairly fine, firm surface.  
The finished seedbed should be firm enough to walk on without leaving impressions. As the area will be mown at a later stage the finished surface should be free of obstructions such as large stones or bricks, and free of deep ruts or ridges.  
Prepare a seedbed then disking sowing to allow a flush of seed germination from the surface layers. This flush of weeds is then killed, by spraying or shallow cultivation, before sowing your seed mixture onto the cleaned 'seed' seedbed - the surface of which now has a reduced weed seed burden.  
Seeds need both warmth and moisture to grow and may be sown at any time of year when these conditions are met.

# 100 / LANDSCAPE MASTERPLAN

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A	13.09.23	VISITOR PARKING SPACES ADDED	LB	LM
		LANDSCAPE UPDATED ACCORDINGLY		

Rev	Date	Description	Drawn	Check

**CLIENT:**  
HARTLEY PROPERTIES

**PROJECT:**  
PROPOSED RESIDENTIAL DEVELOPMENT @ SHOP LANE, KIRKHEATON

**DRAWING:**  
LANDSCAPE MASTERPLAN

**DRAWING NUMBER:**  
P09:4266:100

**SCALE @ A1:**  
1:500

**DRAWN:** LB  
**DATE:** JUL 23

**CHECKED:** LM  
**DATE:** JUL 23

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