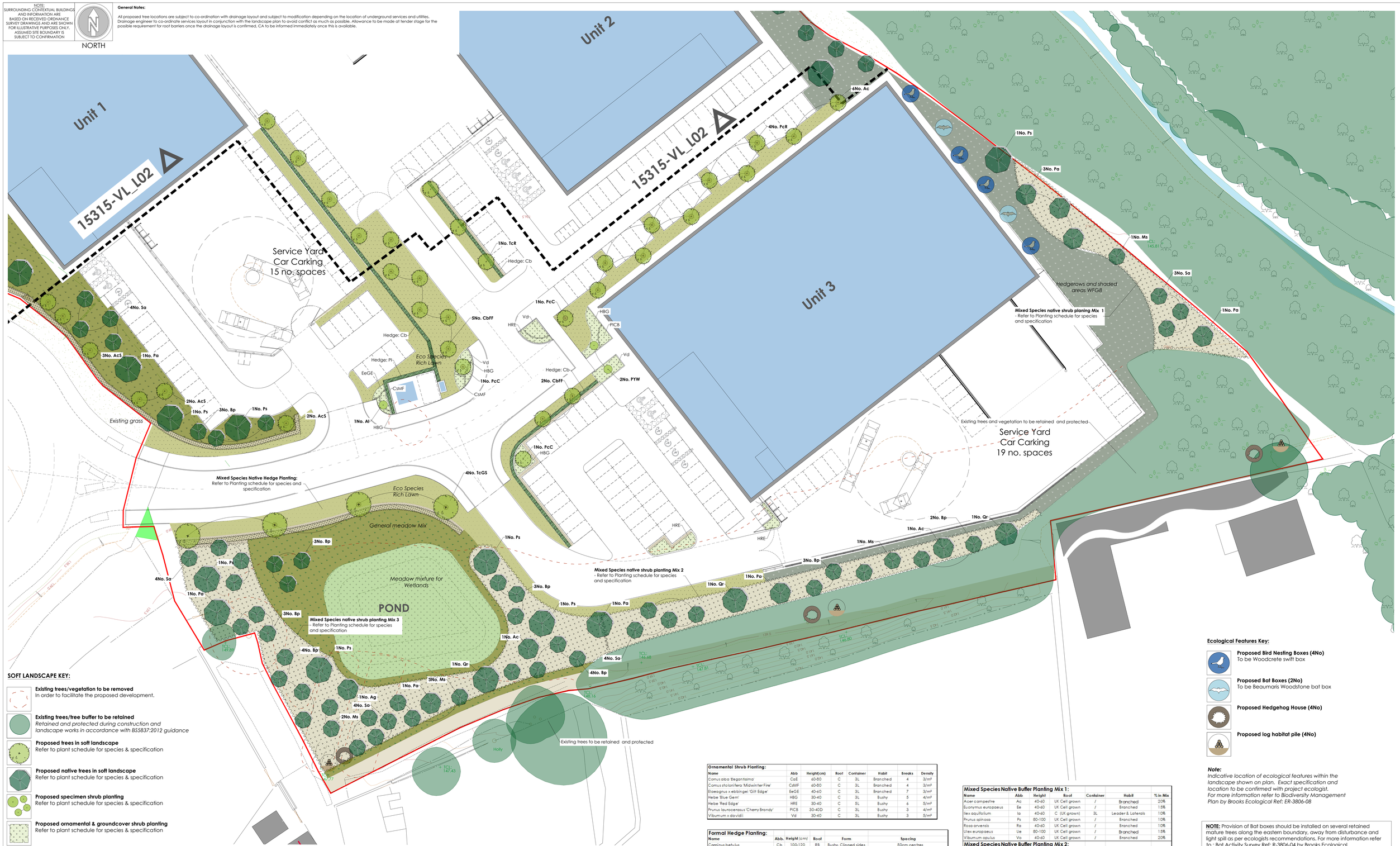
NOTE:
SURROUNDING CONTEXTUAL BUILDINGS AND INFORMATION ARE BASED ON RECEIVED ORDNANCE SURVEY DRAWINGS AND ARE SHOWN FOR ILLUSTRATIVE PURPOSES ONLY. ASSUMED SITE BOUNDARY IS SUBJECT TO CONFIRMATION

NORTH

**General Notes:**

All proposed tree locations are subject to co-ordination with drainage layout and subject to modification depending on the location of underground services and utilities.
Drainage engineer to co-ordinate services layout in conjunction with the landscape plan to avoid conflict as much as possible. Allowance to be made at tender stage for the possible requirement for root barriers once the drainage layout is confirmed. CA to be informed immediately once this is available.




## SOFT LANDSCAPE KEY:

- **Existing trees/vegetation to be removed**
  In order to facilitate the proposed development.
- **Existing trees/tree buffer to be retained**
  *Retained and protected during construction and landscape works in accordance with BS5837:2012 guidance*
- **Proposed trees in soft landscape**
  Refer to plant schedule for species & specification
- **Proposed native trees in soft landscape**
  Refer to plant schedule for species & specification
- **Proposed specimen shrub planting**
  Refer to plant schedule for species & specification
- **Proposed ornamental & groundcover shrub planting**
  Refer to plant schedule for species & specification
- **Proposed mixed species native boundary Planting**
  Refer to plant schedule for species & specification
- **Proposed formal hedge planting**
  Refer to plant schedule for species & specification
  To be maintained at 1.2m high
- **Proposed mixed species native hedge planting**
  Refer to planting schedule for species & specification
  To be maintained at 1.6m high
- **Existing grass area to be retained**
- **Proposed close mown grassland**
  *To be species rich flowering lawn - Emorsgate EL1 - Flowering Lawn Mixture*
- **Proposed shade tolerant Wildflower grassland**
  *To be Hedgerows and shaded areas WFG8 by Germinal Amenity*
- **Proposed species rich Wildflower grassland**
  *To be Emorsgate EM2 - Standard General Purpose Meadow mixture*
- **Proposed wetland Wildflower grassland**
  *To be Emorsgate EM8 - Meadow mixture for Wetlands*
- **Proposed ornamental bark mulch surface finish**
  - *1m dia of ornamental bark mulch in accordance with BS8545 :2014 recommendations*
  - *500mm maintenance strip*

## PLANTING SCHEDULES:

**Trees**

| Species | Abb. | Form | Girth (cm) | Height (cm) | Clear stem (cm) | Root | Quantity |
|---|---|---|---|---|---|---|---|
| Acer campestre 'Streetwise' | AcS | Standard Extra Heavy | 14-16 | 425-600 | 175-200 | RB | 6 |
| Acer campestre | Ac | Standard Extra Heavy | 14-16 | 425-600 | 175-200 | RB | 8 |
| Alnus glutinosa | Ag | Standard Heavy | 12-14 | 350-425 | 175-200 | RB | 1 |
| Betula pendula | Bp | Standard Selected | 10-12 | 300-350 | 175-200 | RB | 25 |
| Carpinus betulus 'Frans Fontaine' | CbFF | Standard Extra Heavy | 16-18 | min 450 | min 200 | RB | 7 |
| Malus sylvestris | Ms | Feathered | / | 175-200 | / | B | 7 |
| Pinus sylvestris | Ps | / | / | 175-200 | / | RB | 5 |
| Prunus avium | Pa | Standard Extra Heavy | 14-16 | 425-600 | 175-200 | RB | 9 |
| Pyrus calleryana 'Chanticleer' | PcC | Standard Extra Heavy | 18-20 | min 450 | min 200 | RB | 4 |
| Pyrus calleryana 'Red Spire' | PcR | Standard Extra Heavy | 14-16 | min 450 | min 200 | RB | 4 |
| Quercus robur | Qr | Standard Extra Heavy | 14-16 | 425-600 | 175-200 | RB | 3 |
| Sorbus aucuparia | Sa | Standard Heavy | 12-14 | 350-425 | 175-200 | RB | 19 |
| Tilia x cordata 'Rancho' | TcR | Standard Extra Heavy | 16-18 | min 450 | min 200 | RB | 1 |
| Tilia x cordata 'Greenspire' | TcGS | Standard Extra Heavy | 16-18 | min 450 | min 200 | RB | 4 |

**Specimen Shrub Planting:**

| Name | Abb | Height (cm) | Root | Container | Habit | Quantity |
|---|---|---|---|---|---|---|
| Amelanchier lamarckii (Multi Stem Specimen) | Al | 175-200 | RB | / | 3 - 5 main stems | 2 |
| Phormium 'Yellow Wave' | PYW | / | C | 10-12L | Triple Crown | 2 |

**Ornamental Shrub Planting:**

| Name | Abb | Height(cm) | Root | Container | Habit | Breaks | Density |
|---|---|---|---|---|---|---|---|
| Cornus alba 'Elegantissima' | CaE | 60-80 | C | 3L | Branched | 4 | 3/m² |
| Cornus stolonifera 'Midwinter Fire' | CsMF | 60-80 | C | 3L | Branched | 4 | 3/m² |
| Elaeagnus x ebbingei 'Gilt Edge' | EeGE | 40-60 | C | 3L | Branched | 7 | 3/m² |
| Hebe 'Blue Gem' | HBG | 30-40 | C | 3L | Bushy | 5 | 4/m² |
| Hebe 'Red Edge' | HRE | 30-40 | C | 5L | Bushy | 6 | 5/m² |
| Prunus laurocerasus 'Cherry Brandy' | PlCB | 30-40D | C | 3L | Bushy | 3 | 4/m² |
| Viburnum x davidii | Vd | 30-40 | C | 3L | Bushy | 3 | 5/m² |

**Formal Hedge Planting:**

| Name | Abb. | Height (cm) | Root | Form | Spacing |
|---|---|---|---|---|---|
| Carpinus betulus | Cb | 100-120 | RB | Bushy, Clipped sides | 50cm centres |
| Prunus lusitanica 'angustifolia' | Pl | 100-120 | RB | Bushy, Clipped sides | 50cm centres |

**Notes:**
* Hedge plants to be planted in single rows at centres noted above. Maintained at 1.2m high

**Mixed Species Native Boundary Hedge Planting:**

| Name | Abb | Height (cm) | Root | Container | Habit | % in Mix |
|---|---|---|---|---|---|---|
| Acer campestre | Ac | 80-100 | UK Cell grown | / | Transplant - seed raised | 10% |
| Corylus avellana | Ca | 80-100 | UK Cell grown | / | Branched | 20% |
| Cornus sanguinea | Cs | 80-100 | UK Cell grown | / | Branched | 10% |
| Ilex aquifolium | Ia | 40-60 | C (UK grown) | 5L | Leader & Laterals | 10% |
| Prunus spinosa | Ps | 80-100 | UK Cell grown | / | Branched | 10% |
| Ulex europaeus | Ue | 80-100 | UK Cell grown | / | Transplant - seed raised | 30% |
| Viburnum opulus | Vo | 80-100 | UK Cell grown | / | Branched | 10% |

**Notes:**
* *Hedge species to be planted in a double staggered row at 500mm centres , 450mm between rows*
* *Hedge to be maintained at a maximum height of 1.6m*
* *Hedge plants to be protected with 600mm Tubex Shelterguard Shrub Shelters supported by 32mm x 32mm tanalised stakes. Ia to be protected by Mesh Tree Guard Shelter*
* *Hedges to be planted within off the roll fully bio-degradable weed control membrane to suppress weeds and conserve ground moisture. Product: Ecotec MulchMat by Hy-Tex or similar approved, installed and secured with ground pegs in accordance with manufac*
*Shrubs to be sourced as local to the site as possible and "UK-Grown" in accordance with current bio-security best practice.

**Mixed Species Native Buffer Planting Mix 1:**

| Name | Abb | Height | Root | Container | Habit | % in Mix |
|---|---|---|---|---|---|---|
| Acer campestre | Ac | 40-60 | UK Cell grown | / | Branched | 20% |
| Euonymus europaeus | Ee | 40-60 | UK Cell grown | / | Branched | 15% |
| Ilex aquifolium | Ia | 40-60 | C (UK grown) | 3L | Leader & Laterals | 10% |
| Prunus spinosa | Ps | 80-100 | UK Cell grown | / | Branched | 10% |
| Rosa arvensis | Ra | 40-60 | UK Cell grown | / | Branched | 10% |
| Ulex europaeus | Ue | 80-100 | UK Cell grown | / | Branched | 15% |
| Viburnum opulus | Vo | 40-60 | UK Cell grown | / | Branched | 20% |

**Mixed Species Native Buffer Planting Mix 2:**

| Name | Abb | Height | Root | Container | Habit | % in Mix |
|---|---|---|---|---|---|---|
| Acer campestre | Ac | 40-60 | UK Cell grown | / | Branched | 10% |
| Cornus sanguinea | Cs | 40-60 | UK Cell grown | / | Branched | 20% |
| Corylus avellana | Ca | 40-60 | UK Cell grown | / | Branched | 20% |
| Crataegus monogyna | Cm | 60-80 | UK Cell grown | / | Branched | 30% |
| Ilex aquifolium | Ia | 40-60 | C (UK grown) | 2L | Leader & Laterals | 10% |
| Ligustrum vulgare | Iv | 40-60 | C (UK grown) | 2L | Leader & Laterals | 10% |

**Mixed Species Native Buffer Planting Mix 3:**

| Name | Abb | Height | Root | Container | Habit | % in Mix |
|---|---|---|---|---|---|---|
| Acer campestre | Ac | 40-60 | UK Cell grown | / | Branched | 10% |
| Cornus sanguinea | Cs | 40-60 | UK Cell grown | / | Branched | 20% |
| Crataegus monogyna | Cm | 60-80 | UK Cell grown | / | Branched | 20% |
| Ilex aquifolium | Ia | 40-60 | C (UK grown) | 2L | Leader & Laterals | 5% |
| Prunus spinosa | Ps | 80-100 | UK Cell grown | / | Branched | 15% |
| Salix fragilis | Sf | 60-80 | UK Cell grown | / | Branched | 15% |
| Salix cinerea | Sc | 60-80 | UK Cell grown | / | Branched | 15% |

**Notes:**
*Native buffer planting species to be planted at 2m spacing in a staggered matrix arrangement.

* *Plants to be protected with 600mm Tubex Shelterguard Shrub Shelters supported by 32mm x 32mm tanalised stakes. Ia to be protected by Mesh Tree Guard Shelter*
* *Plant to be planted within off the roll fully bio-degradable weed control membrane to suppress weeds and conserve ground moisture. Product: Ecotec MulchMat by Hy-Tex or similar approved, installed and secured with ground pegs in accordance with manufac*
*Shrubs to be sourced as local to the site as possible and "UK-Grown" in accordance with current bio-security best practice.

**Ecological Features Key:**

- **Proposed Bird Nesting Boxes (4No)**
  To be Woodcrete swift box
- **Proposed Bat Boxes (2No)**
  To be Beaumaris Woodstone bat box
- **Proposed Hedgehog House (4No)**
- **Proposed log habitat pile (4No)**

***Note:***
*Indicative location of ecological features within the landscape shown on plan. Exact specification and location to be confirmed with project ecologist.*
*For more information refer to Biodiversity Management Plan by Brooks Ecological Ref: ER-3806-08*

**NOTE:** Provision of Bat boxes should be installed on several retained mature trees along the eastern boundary, away from disturbance and light spill as per ecologists recommendations. For more information refer to : Bat Activity Survey Ref: R-3806-04 by Brooks Ecological

**NOTE:** For soft landscape specification notes refer to drawing 15313-VL_L03

| Revisions | Description | Drawn | Check |
|---|---|---|---|
| 2022.08.08 -Q | Updated to match architects plan. | OAJ | AS |
| 2022.07.04 -F | Increased trees in Unit 2 carpark, more boundary scrub planting. | OAJ | AS |
| 2022.05.04 -E | Updated to coordinate with Architects site plan, landscape buffer & trees increased to Southern boundary | OAJ | AS |
| 2022.05.04 -D | Updated to coordinate with Architects site plan | FW | AS |
| 2022.01.21 -C | Arboricultural Impact Assessment | FW | AS |
| 2021.03.29 -B | Updated to coordinate with Underground services | FW | AS |
| 2021.03.24 -A | Native hedging note - maintained height increased to 1.6m | AS | AS |

| Revisions | Description | Drawn | Check |
|---|---|---|---|
| 2022.11.18 -K | Updated to co-ordinate with Architects site plan | AS | AS |
| 2022.09.02 -J | Updated to co-ordinate with Architects site plan | AS | AS |
| 2022.08.17 -H | Updated to match architects plan | OAJ | AS |

Project Title: PROPOSED INDUSTRIAL UNIT
DEARNE VALLEY PARKWAY
BARNSLEY

Client: GREGORY PROPERTIES

Status: PLANNING

Scale: 1:250 | Drawing Size: A0

Drawn By: OAJ | Checked By: AS | Date: 07/2022

Drawing Title: LANDSCAPE PLAN (2 OF 2)

Job-Dwg No: 15315-VL_L03 | Rev: K

vector design concepts

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CAD file reference V:\V15001-16000\15315 Dearne Valley\04 Landscaping\17.0 Drawings and Issue Sheets\01 Planning