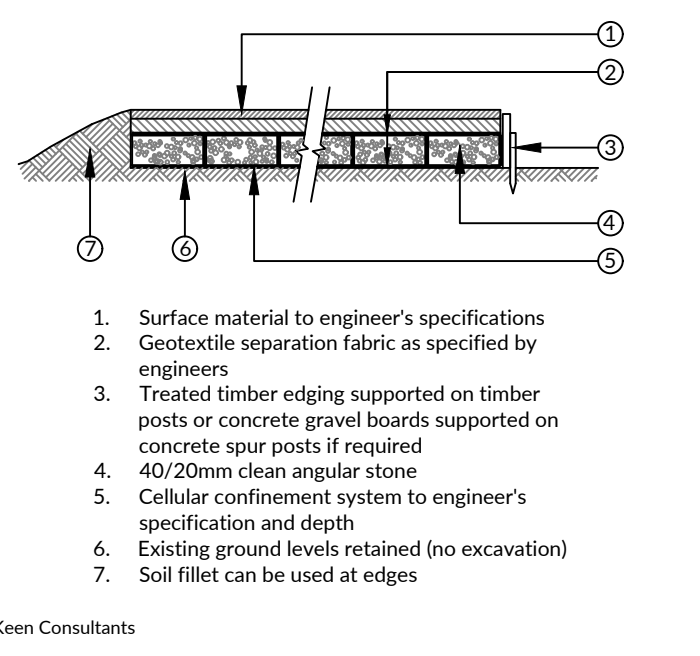
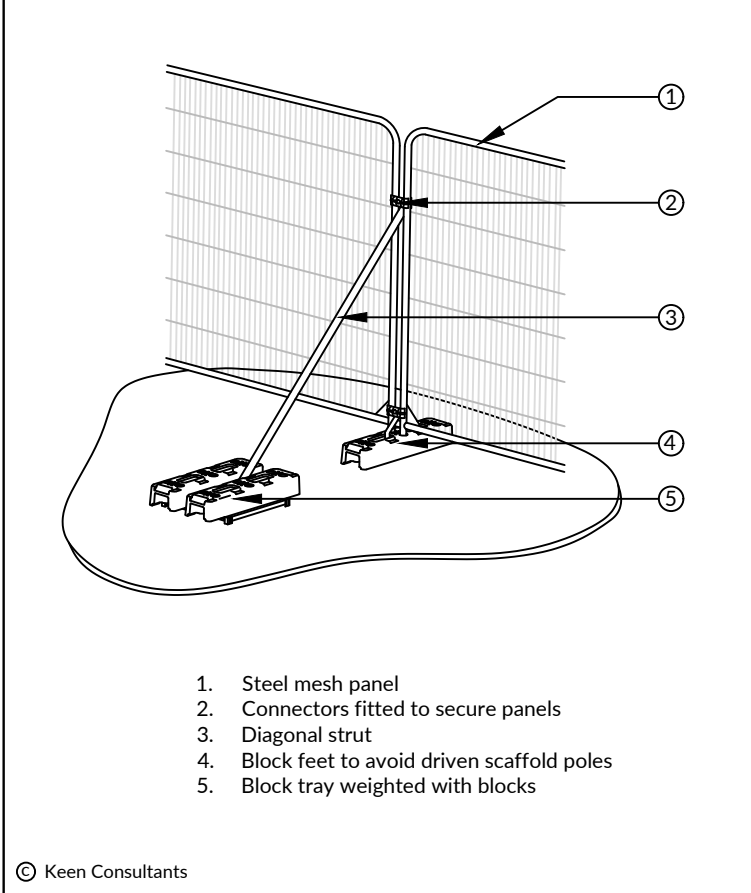


Figure 3: Typical detail of 'no-dig' surfacing



| Column Heading                                | Explanation                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|-----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Tree No.                                      | Unique number corresponding with number on plan                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Species                                       | English name                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| HK (m)                                        | Height in metres                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| DBH (cm)                                      | Circumference in metres to cardinal points of the compass                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Shade                                         | All measurements confined to 100m radius of CS 5857/2012                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Shade Class                                   | Single stem - Diameter in centimetres measured at 1.5m above ground level                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                                               | Multi-stemmed tree with 2 to 5 stems - Diameter of each stem                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                                               | Multi-stemmed tree with more than 5 stems - Average stem diameter and number of stems                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Height of ground clearance                    | Height in metres between the ground and underside of canopy                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| Height of first major branch                  | Height from ground level to base of first major branch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Height of lowest branch                       | Height to the approximate direction of lowest branch                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Abnormalities as suffix to direction          | Suffix 'v' denotes anomalous direction                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Age Class                                     | Age = Young, 50% mature, 50% average diameter<br>Age Class definitions:<br>Y = Young<br>S = Semi mature<br>E = Early mature<br>M = Mature<br>O = Over mature                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Category grading and Estimated remaining life | Summary of BS 5857:2012 categorisation:<br>1. Trees to be removed for retention:<br>U = Those in such a condition that they cannot be satisfactorily retained as far as the content of the current land use for longer than 10 years<br>2. Trees to be considered for retention:<br>A1, A2, 2 or 3 = trees of high quality (substantial contribution >40%)<br>B1, 2 or 3 = trees of moderate quality (adequate contribution >20%)<br>C1, 2 or 3 = trees of low quality (but significant, i.e. 10% or more young trees - until new planting can be established)<br>Note: Useful information remaining contribution of the tree is not based on figures in BS 5857:2012<br>Brief description including physiological and structural defects<br>Tree required to be undertaken to the trees to facilitate the construction of remediate a defect encountered during the survey<br>Radius of minimum root protection area in metres calculated from section 4.6 and Annex D of BS5857:2012<br>Total area of minimum root protection area extrapolated from root protection radius |

| Tree No. | Species               | Branch Spread (m) |         |      |     |     |               | Stem diameters (cm) |        |        |        |   |                   |                      | Condition                               |                                                             |           |                                                                                                                                                                                                                                                                |                                                                      |                            |      |                      |                           |
|----------|-----------------------|-------------------|---------|------|-----|-----|---------------|---------------------|--------|--------|--------|---|-------------------|----------------------|-----------------------------------------|-------------------------------------------------------------|-----------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------|----------------------------|------|----------------------|---------------------------|
|          |                       | Ht<br>(m)         | N E S W |      |     |     | Single Stem   | 2-5 stems           |        |        |        |   | More than 5 stems | Mean dia.<br>No stem | Height of crown<br>clearance(m)<br><br> | Height of dead branch<br>above clear cut<br>(compass point) | Age class | Category grading                                                                                                                                                                                                                                               | Estimated remaining life expectancy (years)                          | Physiological / Structural |      | Tree Works to BS3998 | Root protection area sq.m |
|          |                       |                   | N       | E    | S   | W   |               | Stem 1<br>Stem 2    | Stem 3 | Stem 4 | Stem 5 |   |                   |                      |                                         |                                                             |           |                                                                                                                                                                                                                                                                |                                                                      |                            |      |                      |                           |
| 1        | Mixed broadleaf copse | <17               | 6av     | -    | +0  | -   | -             | -                   | -      | -      | -      | - | -                 | 0                    | -                                       | E B2                                                        | >20       | Established copse of trees at junction of bridleway with Storrington Road. Taller trees predominantly ash. These are showing signs of Ash Dieback. Some hazel, holly and field maple in the understory that will develop as and when the ash are removed.      | Remove ash as and when they show advanced Ash Dieback.               | 7.20                       | 163  |                      |                           |
| 2        | Row of hazel          | 1.5av             | 1av     | 30av | -   | -   | -             | -                   | -      | -      | -      | - | -                 | 0                    | -                                       | E B2                                                        | >20       | Established row of hazel coping growing between brideways and ditches. All have been recently reduced in height to develop the hedgerow.                                                                                                                       | When they show advanced Ash Dieback.                                 | 3.60                       | 41   |                      |                           |
| 3        | Mixed broadleaf copse | <17               | -       | +9   | -   | +60 | -             | -                   | -      | -      | -      | - | -                 | 0                    | -                                       | E B2                                                        | >20       | Established copse of trees at junction of bridleway with Storrington Road. Taller trees predominantly ash. These are showing signs of Ash Dieback. Some very hazel, holly and field maple in the understory that will develop as and when the ash are removed. | Remove ash as and when they show advanced Ash Dieback.               | 7.20                       | 163  |                      |                           |
| 4        | English oak           | 17                | 7       | 6    | 6   | 5   | 60e           | -                   | -      | -      | -      | - | -                 | 6                    | 6N                                      | E B1                                                        | >20       | Reasonably well formed tree growing to south of ditch. Main stem and crown smoothbarked in ivy.                                                                                                                                                                |                                                                      | 7.20                       | 163  |                      |                           |
| 5        | Ash                   | 17                | 3       | 3    | 5   | 4   | 30e, 30e, 30e | -                   | -      | -      | -      | - | -                 | 7                    | 7S                                      | E B2                                                        | >20       | Reasonably well formed tree growing to south of ditch. Mains stems covered in dead ivy.                                                                                                                                                                        |                                                                      | 6.24                       | 122  |                      |                           |
| 6        | English oak           | 15                | 6       | 5    | 7   | 5   | 79            | -                   | -      | -      | -      | - | -                 | 4                    | 4E                                      | E B1                                                        | >20       | Reasonably well formed tree growing at edge of bridleway. Some minor damage to roots.                                                                                                                                                                          |                                                                      | 9.48                       | 282  |                      |                           |
| 7        | Ash                   | 16                | 3       | 5    | 5   | 4   | -             | -                   | -      | -      | -      | - | 20                | 8                    | 6                                       | 6S                                                          | E U       | >10                                                                                                                                                                                                                                                            | Promote Ash Dieback. Coppicing might advance low level regeneration. | Coppice.                   | 6.78 | 215                  |                           |
| 8        | English oak           | 16                | 8       | 5    | 6   | 7   | 69            | -                   | -      | -      | -      | - | -                 | 6                    | 6NE                                     | E B1                                                        | >20       | Reasonably well formed tree growing in tree belt to south of ditch.                                                                                                                                                                                            |                                                                      | 8.29                       | 145  |                      |                           |
| 9        | Mixed broadleaf copse | 11av              | 4av     | 20av | -   | -   | -             | -                   | -      | -      | -      | - | -                 | 0                    | -                                       | E B2                                                        | >20       | Established clump of trees growing to south of ditch. Predominantly hazel and holly together with some cherry, Hawthorn and English oak.                                                                                                                       |                                                                      | 2.40                       | 18   |                      |                           |
| 10       | English oak           | 16                | 7       | 8    | 6   | 7   | 70e           | -                   | -      | -      | -      | - | -                 | 4                    | 4W                                      | E B2                                                        | >20       | Established tree growing amidst tree belt. Lower stem partially smothered in ivy.                                                                                                                                                                              |                                                                      | 8.40                       | 222  |                      |                           |
| 11       | English oak           | 16                | 7       | 5    | 6   | 7   | 60e           | -                   | -      | -      | -      | - | -                 | 4                    | 6N                                      | E B2                                                        | >20       | Established tree growing amidst tree belt. Lower stem partially smothered in ivy.                                                                                                                                                                              |                                                                      | 7.20                       | 163  |                      |                           |
| 12       | English oak           | 15                | 4       | 3    | 5   | 4   | 50e           | -                   | -      | -      | -      | - | -                 | 5                    | SNW                                     | E C1                                                        | >10       | Established fine growing amidst tree belt but showing crown dieback. Unsuited to long term retention.                                                                                                                                                          |                                                                      | 6.00                       | 113  |                      |                           |
| 13       | Mixed copse           | <12               | +4      | -    | +30 | -   | -             | -                   | -      | -      | -      | - | -                 | 0                    | -                                       | S B2                                                        | >20       | Group of young coppiced trees consisting of hazelnut and ditch. Species include English oak, ornamental pear, hornbeam and ash. Ash showing early signs of Ash Dieback.                                                                                        |                                                                      | 3.60                       | 41   |                      |                           |
| 14       | Row of English oak    | 17av              | 8av     | 70av | -   | -   | -             | -                   | -      | -      | -      | - | -                 | 4                    | 4N                                      | E B2                                                        | >20       | All established rows of trees along boundary which adjoining residential properties. All stems smoothed in ivy.                                                                                                                                                |                                                                      | 8.40                       | 222  |                      |                           |
| 15       | English oak           | 14                | 8       | 5    | 6   | 7   | 70e           | -                   | -      | -      | -      | - | -                 | 4                    | 4N                                      | E B2                                                        | >20       | Forms part of a line of trees along the ditch. Main stem and crown smoothbarked in ivy.                                                                                                                                                                        |                                                                      | 8.40                       | 222  |                      |                           |
| 16       | English oak           | 15                | 3       | 5    | 4   | 6   | 60e           | -                   | -      | -      | -      | - | -                 | 4                    | 4W                                      | E B2                                                        | >20       | Forms part of a line of trees along the ditch. Main stem and crown smoothbarked in ivy.                                                                                                                                                                        |                                                                      | 7.20                       | 163  |                      |                           |
| 17       | English oak           | 14                | 7       | 4    | 5   | 8   | 65e           | -                   | -      | -      | -      | - | -                 | 2                    | 3N                                      | E B2                                                        | >20       | Forms part of a line of trees along the ditch. A pair of leaves has been pruned in recent times to control its size.                                                                                                                                           | Pune to provide 3m height clearance over path.                       | 7.80                       | 191  |                      |                           |
| 18       | Group of English oak  | 17av              | 8av     | 65av | -   | -   | -             | -                   | -      | -      | -      | - | -                 | 4                    | 4W                                      | E B2                                                        | >20       | Forms part of a line of trees along the ditch. One appears to have been pruning in recent times to control its size.                                                                                                                                           | Pune to provide 3m height clearance over path.                       | 7.80                       | 191  |                      |                           |
| 19       | Mixed broadleaf       | 7av               | 3av     | 15av | -   | -   | -             | -                   | -      | -      | -      | - | -                 | 0                    | -                                       | S B2                                                        | >20       | Established understorey to the fire line of oaks. Predominantly Hawthorn and hazel with occasional birch. Contributes to low level screening.                                                                                                                  |                                                                      | 1.80                       | 10   |                      |                           |
| 20       | English oak           | 17                | 6       | 7    | 6   | 9   | 75e           |                     |        |        |        |   |                   |                      |                                         |                                                             |           |                                                                                                                                                                                                                                                                |                                                                      |                            |      |                      |                           |

1. This tree survey information has been prepared for planning purposes only. Additional detail will be needed for foundation design.
2. The original of this drawing was prepared in colour - a monochrome copy should be relied upon.
3. Scale for planning purposes only.
4. All dimensions to be checked on site.
5. The copyright of this document resides with Keen Consultants unless assigned in writing by the company.
6. Details shown on this drawing are devised with reference to BS5837:2012 *Trees in relation to design, demolition and construction Recommendations*.
7. Check if Tree Preservation Order or Conservation Area protection applies to trees before undertaking tree works.
8. Topographical survey based on drawing Takahem top0 Final & Takahem River F Proposed Bridle Way and K.A.RyLance Limited job number 22-21589.
9. Where trees were not identified on the topographical survey they have been plotted by eye.
10. Proposed layout based on Mitchell Evans Proposed Site Plan drawing number 25-2125-101 F.
11. Proposed layout based on plan by City & Myers Drainage Layout Full Site Drawing No 30005/G004 Rev C01
12. Proposed services layout based on Plan by City & Myers Utilities Services drawing number 30005/G004 Rev P01.

Existing site features

Proposed layout

Proposed drainage layout

Proposed utilities services

Trees retained  
(Green-coloured line indicates extent of canopy)

Trees for removal  
(Red-coloured dash line indicates extent of canopy)

2.0m high barrier as detail in Figure 1

Minimum extent of no-dig construction.  
Actual deployment may be greater. As detail in Figure 3

|   |                                         |          |
|---|-----------------------------------------|----------|
| G | Utilities services overlay              | 01.07.26 |
| F | Latest layout & drainage layout overlay | 05.05.26 |
| E | and tree no longer present removed      |          |
| D | Tree no longer present removed          | 16.12.24 |
| C | Client name updated                     | 02.10.23 |
| B | Latest layout overlay                   | 29.09.23 |
| A | Tree survey updated                     | 04.01.23 |
| A | Latest layout overlay                   | 21.12.22 |
| O | Preliminary issue                       | 14.11.22 |

| Rev | Description | Date |
|-----|-------------|------|
|-----|-------------|------|

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Client  
HIGH BAR LANE LTD

Project  
LAND AT HIGH BAR LANE,  
THAKEHAM

Title  
**TREE PROTECTION PLAN**

|          |            |
|----------|------------|
| Date     | Scale      |
| NOV 2022 | 1:500@A1   |
| Drawn by | Checked by |
| ML       | JTK        |

Drawing Number

1721-KC-XX-YTREE-TPP01RevG