

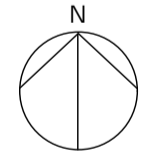


SHEET 002

SHEET 003

- KEY:**
- Trees / Groups
 - Canopy Spread
 - Tree Stem
 - Root Protection Area
 - A Category Tree (High quality / retention value)
 - B Category Tree (Moderate quality / retention value)
 - C Category Tree (Low quality / retention value)
 - U Category Tree (No remaining retention value)
 - Hedgerows (Not assigned BS5837:2012 category)

NOTES:
Tree locations are estimated from measurements on site. No topographical survey available at the time of tree survey.



| Rev | Description | Date |
|-------|-----------------|------------|
| Rev A | Issue to client | 29.02.2024 |
| Rev | | |



PROJECT
Hare Lane, Chester

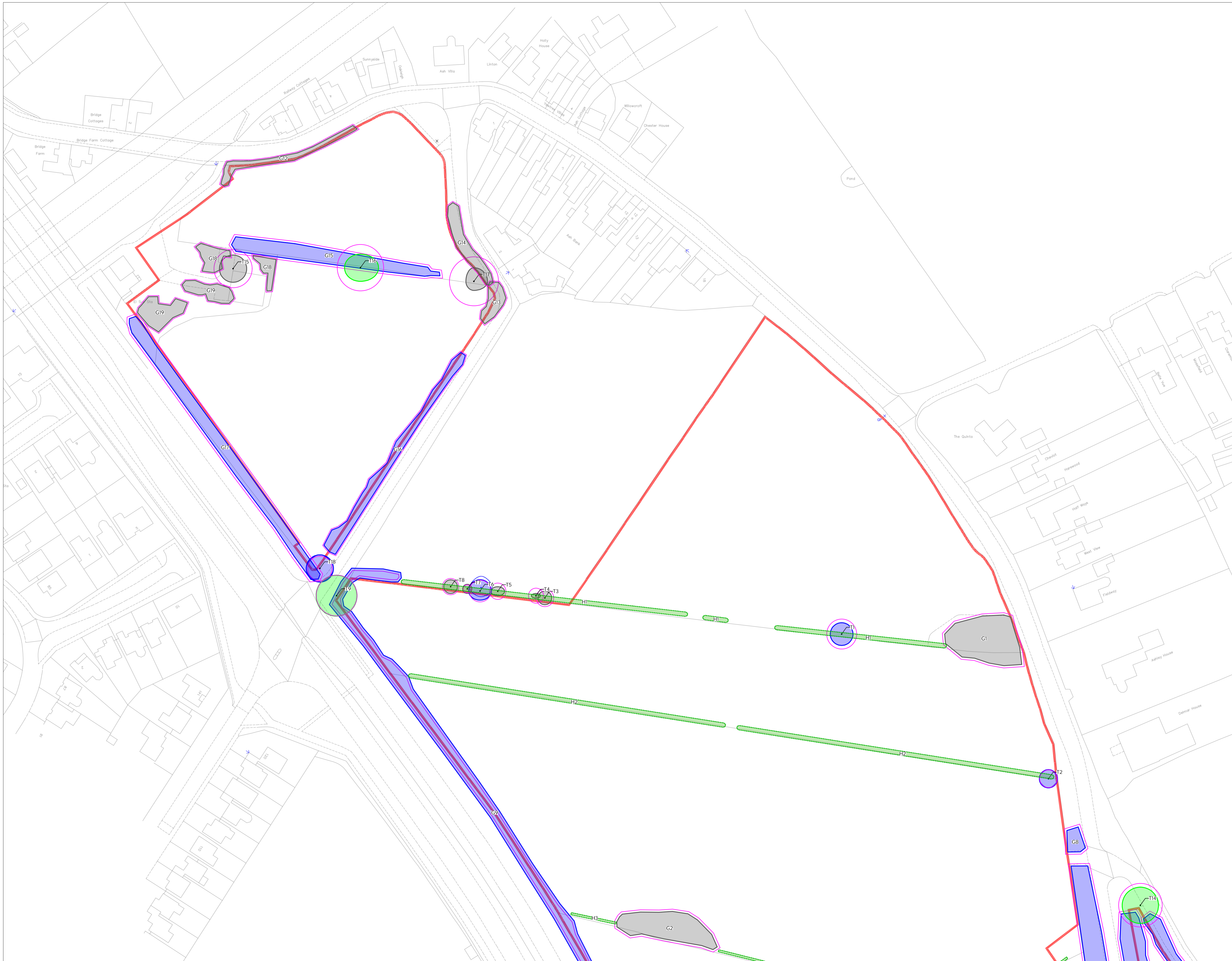
TITLE
Tree Constraints Plan

DRAWING REF
1731-TCP-001-A

DRAWING NO
001

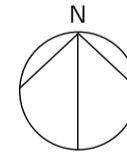
SCALE
1:1500 @ A1

REVISION
Rev A



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PROJECT
 Hare Lane, Chester

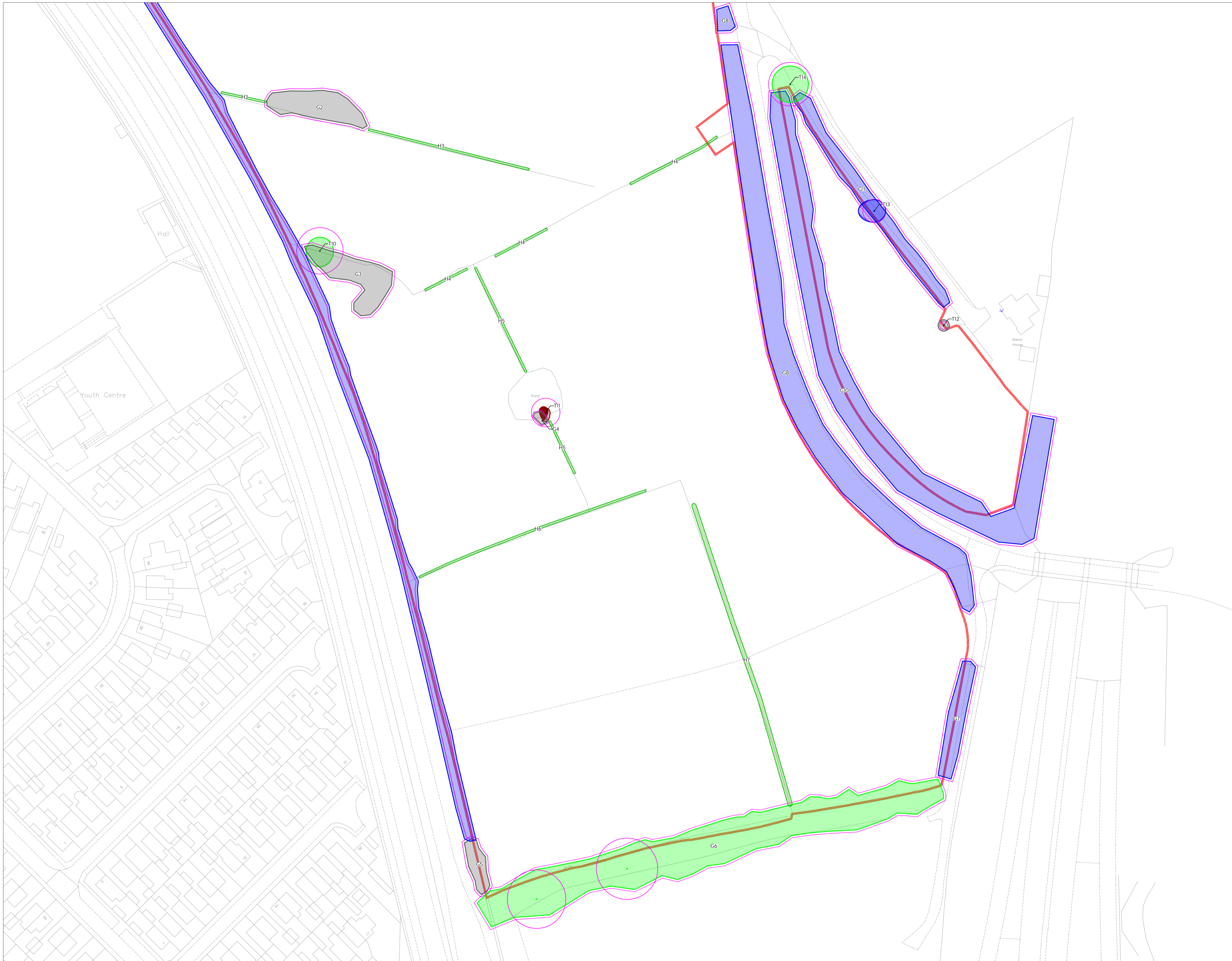
TITLE
 Tree Constraints Plan

DRAWING REF
 1731-TCP-002-A

DRAWING NO
 002

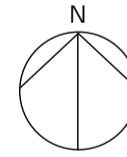
SCALE
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REVISION
 Rev A



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| Rev A | Issue to client | 29.02.2024 |
| Rev | | |



PROJECT
 Hare Lane, Chester

TITLE
 Tree Constraints Plan

DRAWING REF
 1731-TCP-003-A

DRAWING NO
 003

SCALE
 1:750 @ A1

REVISION
 Rev A



BS5837:2012 TREE SCHEDULE

SURVEY DATE: 24.02.2024

CLIENT: Redrow Homes

SITE: Hare Lane, Chester

REFERENCE: 1731-TS-V1-A

| Tree No. | Common Name | Botanical Name | Height (m) | Stem Dia (mm) | Crown Spread (m) | | | | Height of Crown Clearance (m) | Age Class | Phys Con | Struc Con | Additional notes | Preliminary recommendations | BS5837 Retention Category | RPA (m ²) | RPA Radius (m) |
|----------|-----------------|---------------------------|------------|---------------|------------------|---|---|---|-------------------------------|-----------|----------|-----------|--|---------------------------------------|---------------------------|-----------------------|----------------|
| | | | | | N | E | S | W | | | | | | | | | |
| T1 | Pedunculate oak | <i>Quercus robur</i> | 12 | 550 | 5 | 5 | 5 | 5 | 2 | Mat | Good | Fair | Well formed tree on south side of ditch. | No work recommended at time of survey | B1 | 137 | 6.60 |
| T2 | Pedunculate oak | <i>Quercus robur</i> | 7 | 315 | 4 | 4 | 4 | 4 | 2.5 | E/Mat | Good | Fair | Small tree on south side of ditch. Utility pole to east and support cable rubbing on main stem currently. | No work recommended at time of survey | B1 | 48 | 3.90 |
| T3 | Common hawthorn | <i>Crataegus monogyna</i> | 6 | 325 | 3 | 3 | 3 | 3 | 4 | Mat | Good | Fair | Larger multistemmed tree growing from hedgerow. Stands to north of ditch. | No work recommended at time of survey | C1 | 48 | 3.90 |
| T4 | Elder | <i>Sambucus nigra</i> | 3 | 270 | 1 | 2 | 1 | 2 | 2 | Mat | Fair | Fair | multistemmed tree growing from hedgerow. Stands to north of ditch. | No work recommended at time of survey | C1 | 34 | 3.30 |
| T5 | Common hawthorn | <i>Crataegus monogyna</i> | 4 | 294 | 2 | 3 | 2 | 3 | 2 | Mat | Fair | Fair | multistemmed tree growing from hedgerow. Stands to north of ditch. Dense ivy obscuring detailed assessment. | No work recommended at time of survey | C1 | 41 | 3.60 |
| T6 | Pedunculate oak | <i>Quercus robur</i> | 7 | 390 | 5 | 5 | 4 | 5 | 2 | E/Mat | Good | Fair | Stands south side of ditch. Typical hedgerow tree. Good future potential. | No work recommended at time of survey | B1 | 72 | 4.80 |
| T7 | Pedunculate oak | <i>Quercus robur</i> | 5 | 150 | 2 | 2 | 2 | 2 | 3 | Yng | Good | Good | Stands south side of ditch. Well formed small tree. | No work recommended at time of survey | C1 | 10 | 1.80 |
| T8 | Common hawthorn | <i>Crataegus monogyna</i> | 6 | 294 | 3 | 3 | 3 | 3 | 2 | Mat | Fair | Fair | Multistemmed tree, obscured by dense ivy throughout. Stands north side of ditch. | No work recommended at time of survey | C1 | 41 | 3.60 |
| T9 | Pedunculate oak | <i>Quercus robur</i> | 19 | 750 | 9 | 9 | 9 | 9 | 5 | Mat | Good | Good | Stands on site boundary. Attributes estimated due to dense vegetation restricting access. Large mature tree offering significant amenity on roadside location. | No work recommended at time of survey | A1 | 254 | 9.00 |



BS5837:2012 TREE SCHEDULE

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SITE: Hare Lane, Chester

REFERENCE: 1731-TS-V1-A

| Tree No. | Common Name | Botanical Name | Height (m) | Stem Dia (mm) | Crown Spread (m) | | | | Height of Crown Clearance (m) | Age Class | Phys Con | Struc Con | Additional notes | Preliminary recommendations | BS5837 Retention Category | RPA (m ²) | RPA Radius (m) |
|----------|-----------------|----------------------------|------------|---------------|------------------|---|---|---|-------------------------------|-----------|----------|-----------|---|---------------------------------------|---------------------------|-----------------------|----------------|
| | | | | | N | E | S | W | | | | | | | | | |
| T10 | Pedunculate oak | <i>Quercus robur</i> | 15 | 850 | 6 | 6 | 7 | 6 | 5 | Mat | Good | Fair | Large mature tree n edge of small group. Attributes estimated due to dense vegetation. Lower north side is flailed with group. Well formed mature tree of significant value. | No work recommended at time of survey | A1 | 327 | 10.20 |
| T11 | Sycamore | <i>Acer pseudoplatanus</i> | 7 | 519 | 2 | 2 | 4 | 2 | 4 | Mat | Poor | Poor | Stands on edge of pond. Twin stemmed from base. K deutza fungi assoc with base. Northernmost stem appears dead, over 50% of canopy area. Very limited future value. | No work recommended at time of survey | U | 125 | 6.30 |
| T12 | Goat willow | <i>Salix caprea</i> | 3 | 150 | 3 | 3 | 3 | 3 | 1 | S/Mat | Good | Fair | Self seeded tree adjacent to boundary. Very limited contribution at present. | No work recommended at time of survey | C1 | 10 | 1.80 |
| T13 | Pedunculate oak | <i>Quercus robur</i> | 10 | 425 | 5 | 5 | 5 | 7 | 2 | E/Mat | Good | Fair | Establishes from hedge on eastern boundary. East side of ditch. Leans west, canopy overhangs site by c. 6m. | No work recommended at time of survey | B1 | 82 | 5.10 |
| T14 | Pedunculate oak | <i>Quercus robur</i> | 16 | 800 | 8 | 8 | 8 | 8 | 3 | Mat | Good | Fair | Large mature tree standing outside site boundary adjacent to fence. Dense ivy preventing detailed assessment. Attributes estimated. Moderate deadwood in lower canopy. Valuable specimen. | No work recommended at time of survey | A1,2 | 290 | 9.60 |
| T15 | Goat willow | <i>Salix caprea</i> | 10 | 688 | 6 | 6 | 6 | 6 | 2 | Mat | Fair | Fair | Large individual, likely self seeded. Stands adjacent to steel frame barn. Multistemmed from base, several stems have bark wounds and decay associated. Limited current / future value. | No work recommended at time of survey | C1 | 222 | 8.40 |
| T16 | Pedunculate oak | <i>Quercus robur</i> | 12 | 850 | 6 | 8 | 6 | 7 | 4 | Mat | Good | Fair | Mature field boundary oak. Ditch to north of base. Dense ivy throughout main stem. Attributes estimated. Potential bat roost feature noted on structural limb to north c. 7m. | No work recommended at time of survey | A1 | 327 | 10.20 |



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|----------|---|---------------------------|----------------|-------------------|----------------------|---|---|---|-------------------------------|-----------|-----------|-----------|--|--|---------------------------|-----------------------|----------------|
| | | | | | N | E | S | W | | | | | | | | | |
| T17 | Common ash | <i>Fraxinus excelsior</i> | 18 | 900 | 6 | 6 | 4 | 4 | 8 | Mat | Declining | Declining | Large individual on field boundary. Dense ivy and vegetation obscuring detailed assessment. Attributes estimated. Ditch to north of base. Multiple large branch failures noted throughout canopy. Remnants of I. hispidus fungal bracket found around base suggesting decay fungi present. Dwelling and road within target area of tree. Likely requires management for safety purposes. Retain as complete as possible for habitat value. | Sever ivy and remove ivy to allow detailed assessment for safety purposes. | C1 | 366 | 10.80 |
| T18 | Pedunculate oak | <i>Quercus robur</i> | 13 | 450 | 6 | 6 | 6 | 6 | 6 | E/Mat | Good | Fair | Stands on site boundary with Green Ln. Partially obscured by dense ivy. | No work recommended at time of survey | B1,2 | 92 | 5.40 |
| G1 | Common hawthorn, Common ash, Cherry laurel, Goat willow | | Min 2 - Max 14 | Min 200 - Max 400 | See associated plans | | | | 0.5 | Mat | Fair | Fair | Dense area of scrub and trees surrounding pond. Several ash on southwest corner. Many goat willow collapsed and layering in pond. Ash show early ADB signs. | No work recommended at time of survey | C2 | See associated plans | |
| G2 | Goat willow | | Min 3 - Max 7 | Min 150 - Max 350 | See associated plans | | | | 0.5 | E/Mat | Good | Fair | Dense group of willow around pond / wet area. Many collapsing and layering. Limited wider amenity value. | No work recommended at time of survey | C2 | See associated plans | |
| G3 | Common hawthorn, Blackthorn, Elder | | Min 3 - Max 6 | Min 50 - Max 200 | See associated plans | | | | 0.5 | E/Mat | Fair | Fair | Dense area of scrub and regenerating small trees. Predominately blackthorn. Limited wider amenity value. | No work recommended at time of survey | C2 | See associated plans | |
| G4 | Blackthorn | | Ave 3 | Ave 80 | See associated plans | | | | 0.5 | Young | Fair | Fair | Small cluster of blackthorn scrub. | No work recommended at time of survey | C2 | See associated plans | |
| G5 | Sycamore, Pedunculate oak | | Ave 8 | Ave 280 | See associated plans | | | | 4 | E/Mat | Fair | Fair | Line of 4 trees growing out from hedgerow. Distinct by height. Oaks to south offer more long term value. | No work recommended at time of survey | C1,2 | See associated plans | |



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| | | | | | N | E | S | W | | | | | | | | | |
| G6 | Sycamore, Horse chestnut, Common hazel, Common hawthorn, Common beech, Common ash, Blackthorn, Pedunculate oak, Elder | Min 3 - Max 24 Min 80 - Max 1130 | See associated plans | 5 | Mat | Fair | Fair | Dense mature boundary group, separated from site by ditch. Stands on raised ground to east. Two large oaks stand out within group. Dense ivy throughout. Ash showing advancing ADB and horse chestnut also declining. One beech noted with K. Deutzia fungi. Group will require management for safety and to ensure long term value is secured. | No work recommended at time of survey | A2 | See associated plans | | | | | | |
| G7 | Common beech, Pedunculate oak | Ave 14 Ave 370 | See associated plans | 5 | E/Mat | Good | Good | Well formed row of trees adjacent to access track. Appear to be outside site boundary. 9 trees, evenly spaced c 5m. Good future potential. | No work recommended at time of survey | B1, 2 | See associated plans | | | | | | |
| G8 | Silver birch, Dogwood species, Common hazel, Common hawthorn, Common ash, Blackthorn, Pedunculate oak, Goat willow | Min 2 - Max 15 Min 50 - Max 400 | See associated plans | 2 | E/Mat | Good | Good | Boundary group on banking between site and Hare Lane. Mixed species. Stands outside boundary / post and rail fence. Offers good screening on boundary. | No work recommended at time of survey | B2 | See associated plans | | | | | | |
| G9 | Common hawthorn, Blackthorn, Elder | Ave 6 Ave 150 | See associated plans | 0.5 | E/Mat | Good | Good | Group forming boundary with A41. Outgrown / tall hawthorn hedge. Lower 3m of site side is regularly managed by felling. Height appears unmanaged. Forms important boundary screen. | No work recommended at time of survey | B2 | See associated plans | | | | | | |
| G10 | Common alder, Silver birch, Common hazel, Common hawthorn, Common ash, Aspen, Pedunculate oak, Common lime | Min 2.5 - Max 15 Min 100 - Max 450 | See associated plans | 3 | Mat | Good | Fair | Mixed boundary group forming site boundary with Hare Lane. Mixed species and maturity, a number of larger trees within group, however, forms cohesive group with no gaps. Provides valuable screening. | No work recommended at time of survey | B2 | See associated plans | | | | | | |
| G11 | Sycamore, Common hawthorn, Elder | Ave 6 Ave 200 | See associated plans | 3 | Mat | Good | Fair | Unmanaged boundary hedgerow. Dense ivy throughout. Stands on / outside boundary oolong eastern edge of ditch. | No work recommended at time of survey | B2 | See associated plans | | | | | | |
| G12 | Common hawthorn, Elder | Ave 6 Min 90 - Max 150 | See associated plans | 0.5 | Mat | Fair | Fair | Generally unmanaged length of hedgerow. Dense ivy throughout. Becomes gappy to western end adjacent to track. | No work recommended at time of survey | C2 | See associated plans | | | | | | |



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| | | | | | N | E | S | W | | | | | | | | | |
| G13 | Common ash | | Ave 13 | Ave 300 | See associated plans | | | | 5 | E/Mat | Fair | Fair | Group of trees on site boundary with Green Lane. Dense ivy throughout. Provide some screening. | No work recommended at time of survey | C2 | | See associated plans |
| G14 | Common hawthorn | | Ave 6 | Ave 140 | See associated plans | | | | 0.5 | Mat | Good | Fair | Section of outgrown hawthorn hedge. Dense ivy throughout. Sides flailed, height unmanaged. | No work recommended at time of survey | C2 | | See associated plans |
| G15 | Blackthorn | | Min 6 - Max 8 | Ave 180 | See associated plans | | | | 0.5 | Mat | Good | Fair | Section of outgrown field boundary hedge. Stands on north side of ditch. Height unmanaged. Sides appear occasionally flailed. Mainly slender mature trees making up group. Could bring brought back into management if desired. | No work recommended at time of survey | B2 | | See associated plans |
| G16 | Common hawthorn, Blackthorn | | Min 4 - Max 8 | Min 150 - Max 300 | See associated plans | | | | 4 | Mat | Good | Fair | Unmanaged, outgrown former hedge on boundary with Green Lane. Gaps forming as individual trees mature. Several very mature examples within group. | No work recommended at time of survey | B2 | | See associated plans |
| G17 | Common hawthorn, Blackthorn | | Ave 6 | Ave 140 | See associated plans | | | | 0.5 | Mat | Good | Fair | Tall section of hedgerow along boundary with A41. Dense ivy throughout. Side flailed back to field boundary. Height unmanaged. Provides valuable boundary screen. | No work recommended at time of survey | B2 | | See associated plans |
| G18 | Butterfly bush species, Common hawthorn, Blackthorn, Goat willow, Elder | | Min 1.5 - Max 6.5 | Min 20 - Max 200 | See associated plans | | | | 0.5 | S/Mat | Fair | Fair | Scrub and regenerating trees scattered around steel frame building. Some possibly planted as hedgerow but unmanaged. Very limited current or future value. | No work recommended at time of survey | C2 | | See associated plans |
| G19 | Butterfly bush species, Common hawthorn, Blackthorn, Goat willow, Elder | | Min 1.5 - Max 6.5 | Min 20 - Max 300 | See associated plans | | | | 0.5 | S/Mat | Fair | Fair | Scrub and regenerating trees scattered. Very limited current or future value. | No work recommended at time of survey | C2 | | See associated plans |
| H1 | Blackthorn, Common hawthorn, Common hazel, Pedunculate oak | | Ave 1.6 | Min 50 - Max 200 | See associated plans | | | | 0 | Mat | Fair | Fair | Typical field boundary hedgerow with several gaps. Regularly maintained. | No work recommended at time of survey | - | | See associated plans |
| H2 | Common ash, Common hawthorn, Elder, Pedunculate oak | | Ave 1.5 | Min 50 - Max 110 | See associated plans | | | | 0 | Mat | Fair | Fair | Typical field boundary hedgerow. One gap between fields. Well maintained. Predominately hawthorn with very infrequent other species. | No work recommended at time of survey | - | | See associated plans |



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| | | | | | N | E | S | W | | | | | | | | | |
| H3 | Blackthorn | | Ave 1.5 | Ave 90 | See associated plans | | | | 0 | E/Mat | Fair | Fair | Length of regularly maintained hedgerow. Single species. | No work recommended at time of survey | - | See associated plans | |
| H4 | Blackthorn, Common hawthorn | | Ave 1.6 | Min 60 - Max 160 | See associated plans | | | | 0 | Mat | Fair | Fair | Remnants of former boundary hedgerow. Large gaps and sparse in places. | No work recommended at time of survey | - | See associated plans | |
| H5 | Blackthorn, Common hawthorn | | Ave 1.6 | Ave 80 | See associated plans | | | | 0 | Mat | Fair | Fair | Typical field boundary hedgerow. Southern section is isolated. | No work recommended at time of survey | - | See associated plans | |
| H6 | Blackthorn, Common hawthorn | | Ave 1.6 | Ave 90 | See associated plans | | | | 0 | Mat | Fair | Fair | Typical field boundary hedgerow. | No work recommended at time of survey | - | See associated plans | |
| H7 | Blackthorn, Common hawthorn | | Ave 1.6 | Ave 120 | See associated plans | | | | 0 | Mat | Fair | Fair | Typical field boundary hedgerow. | No work recommended at time of survey | - | See associated plans | |