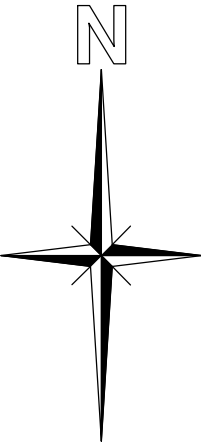
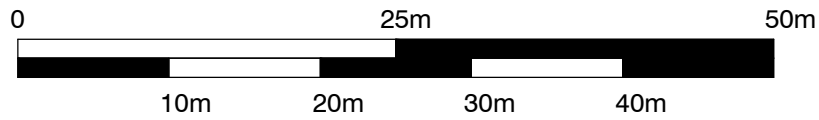


Scale Bar



Indicates location of new Klargester BA BioDisc sewerage treatment plant, all to be designed and install in strict accordance with manufacturers written instructions and recommendations suitable for min. 6 person occupancy. System outfall connected to existing surface water drainage system which discharges into existing watercourse in adjacent field as indicated

Existing oil tank to be removed on first occupation of new replacement dwelling which will use an 'Air Source Heat Pump' for providing heat

Indicates location of proposed 'Air Source Heat Pump'

Indicates proposed location of new replacement dwelling

Indicates new foul water drainage to be connected to Klargester sewerage treatment system

All existing trees are to be retained

Indicates existing adjacent residential development

Indicates outline of existing bungalow to be retained and converted into Garage Block

NB: Foul + Surface Water drainage systems to be in accordance with the original design proposed by EWE Associates Ltd approved under 15/1014/DISCON application with general arrangement amended to suit current layout and not to cause impact on existing trees. (Roof footprint area = 313m²) All drainage through trees to be hand dug to avoid damage to roots. Pipe trench to be wrapped in Tensar Rootguard Plus or similar

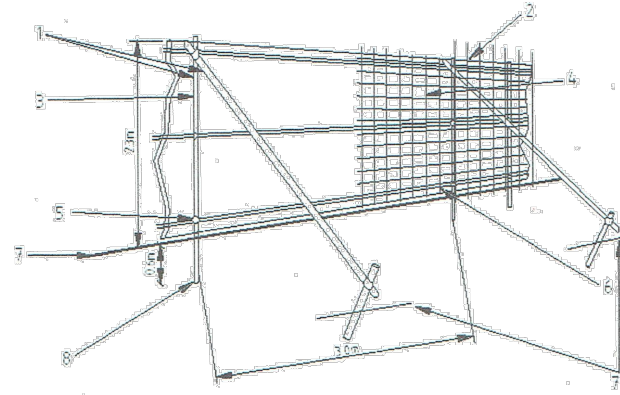
Indicates Headwall outfall into existing watercourse

Indicates area extended driveway to be formed using permeable no fines gravel wearing course in accordance with the No-dig formation proposal

Indicates crates forming 30m² x 0.4m deep attenuation surface water soakaway subject to Drainage Engineers design and details

Surface Water Manhole fitted with Orifice Plate restricting flow rate to 2lts/sec.

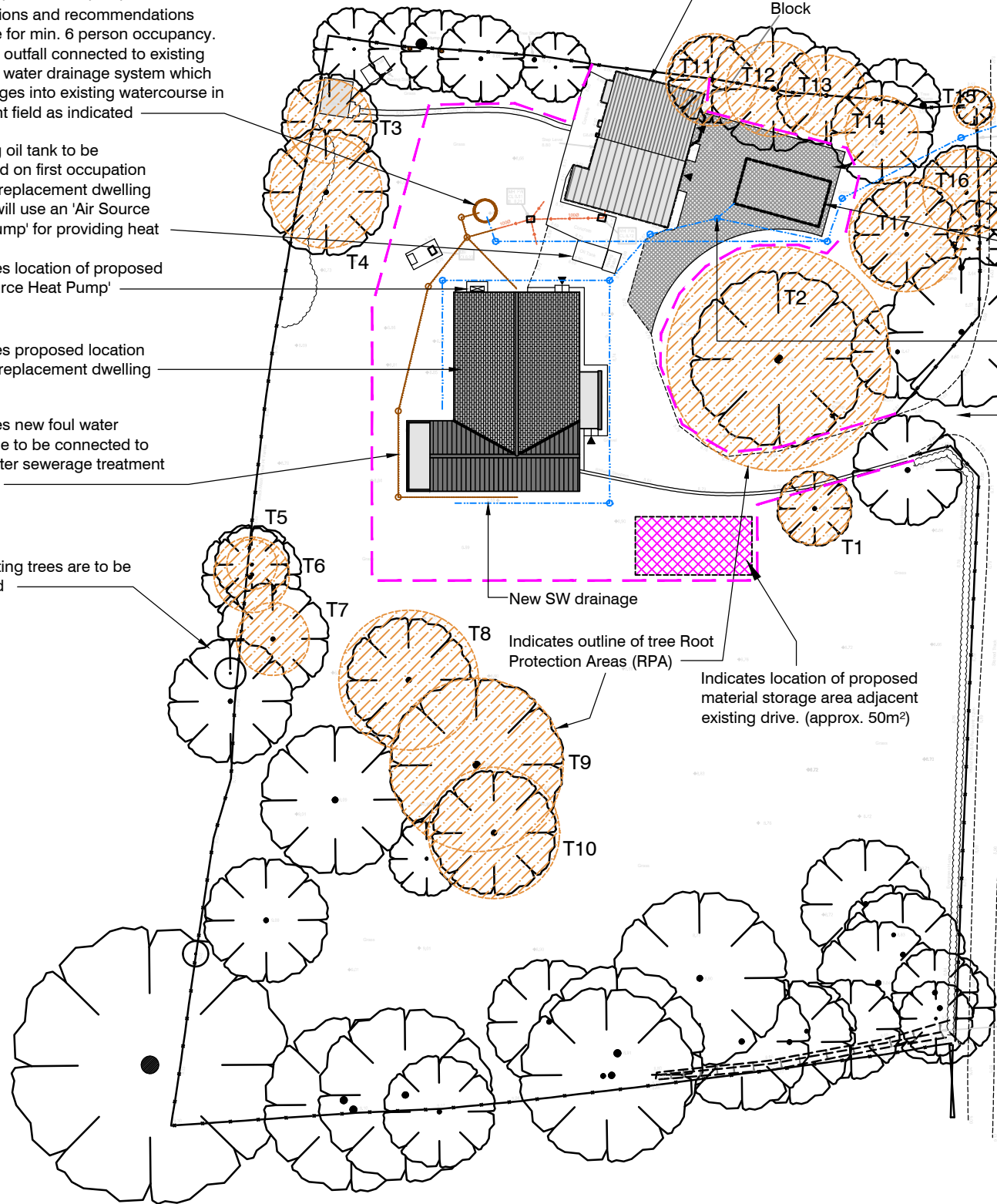
Indicates existing driveway access point which is to be retained



Tree Protection Barrier

1. Standard scaffold poles
2. Uprights to be driven into the ground
3. Panels secured to uprights with wire ties and where necessary standard scaffold clamps
4. Weldmesh wired to the uprights and horizontals
5. Standard clamps
6. Wire twisted and secured on inside face of the fencing to avoid easy dismantling
7. Ground level
8. Approx. 0.6m driven into the ground

Site Block Plan



Do not scale, use figured dimensions only. All discrepancies to be notified to Artech Designs Limited. This drawing remains the copyright of Artech Designs Limited.

Tree Plans and Tree Schedules:

The extent and positions of significant individual trees or groups of trees close to the Site are shown on adjacent Plan. The Root Protection Areas (RPA) of the existing trees have been marked by hatching using the RPAs provided in the Tree Schedule below.

The Tree Schedule provides a summary of maximum RPAs (m²) for estimated tree diameters, as well as a calculated corresponding radius of the circle for that RPA. The RPAs are formulated as described below and assist when designing layouts in relation to trees.

Root Protection Area
Below ground constraints to development are represented by the root plate around a tree, which needs protecting in order for the tree to be incorporated into a proposed scheme without adverse harm to the tree or structural integrity of any proposed foundation structures.

This area is illustrated by the RPA and is calculated according to the formula set out in BS 5837:(2012). This area is equivalent to a circle with a radius 12 x the stem diameter for single stem trees or the basal diameter for trees with more than one stem arising less than 1.5 m above ground level.

$$RPA (m^2) = (\text{stem diameter (mm)} \times 12 / 1000)^2 \times 3.142$$

This figure should be capped to 707 m², that is, equivalent to a circle with a radius of 15 m, or a square with approximately 26 m sides
Taken from Table 2: Calculating the RPA, BS 5837 (2005).

Tree no.	Dia (mm) @ 1.5m	RPA (m ²)	RPA rad (m)
T1	260mm	30.58m ²	3.12m
T2	800mm	289.53m ²	9.60m
T3	300mm	40.72m ²	3.60m
T4	400mm	72.38m ²	4.80m
T5	180mm	14.66m ²	2.16m
T6	270mm	32.98m ²	3.24m
T7	260mm	30.58m ²	3.12m
T8	500mm	113.10m ²	6.00m
T9	620mm	173.90m ²	7.44m
T10	470mm	99.93m ²	5.64m
T11	330mm	49.27m ²	3.96m
T12	340mm	52.30m ²	4.08m
T13	290mm	38.05m ²	3.48m
T14	260mm	30.58m ²	3.12m
T15	150mm	10.18m ²	1.80m
T16	310mm	43.47m ²	3.72m
T17	410mm	76.05m ²	4.92m

Revision	Description	Date

Mr & Mrs L Walker

Wood End, Old Wood
Skellingthorpe, Lincoln
Lincolnshire

Drawing: Site Block Plan

Status: Planning

Scale: 1:500 @ A3

Date: November 2020

Drwg. No: 1528W/015

Revision: . Drawn by mdf



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PROTECTIVE FENCING. THIS FENCING MUST BE MAINTAINED IN ACCORDANCE WITH THE APPROVED PLANS AND DRAWINGS FOR THIS DEVELOPMENT.

TREE PROTECTION AREA KEEP OUT!
(TOWN & COUNTRY PLANNING ACT 1990)
TREES ENCLOSED BY THIS FENCE ARE PROTECTED BY PLANNING CONDITIONS AND/OR ARE THE SUBJECTS OF A TREE PRESERVATION ORDER.
CONTRAVENTION OF A TREE PRESERVATION ORDER MAY LEAD TO CRIMINAL PROSECUTION
ANY INCURSION INTO THE PROTECTED AREA MUST BE WITH THE WRITTEN PERMISSION OF THE LOCAL PLANNING AUTHORITY

Barrier Notice