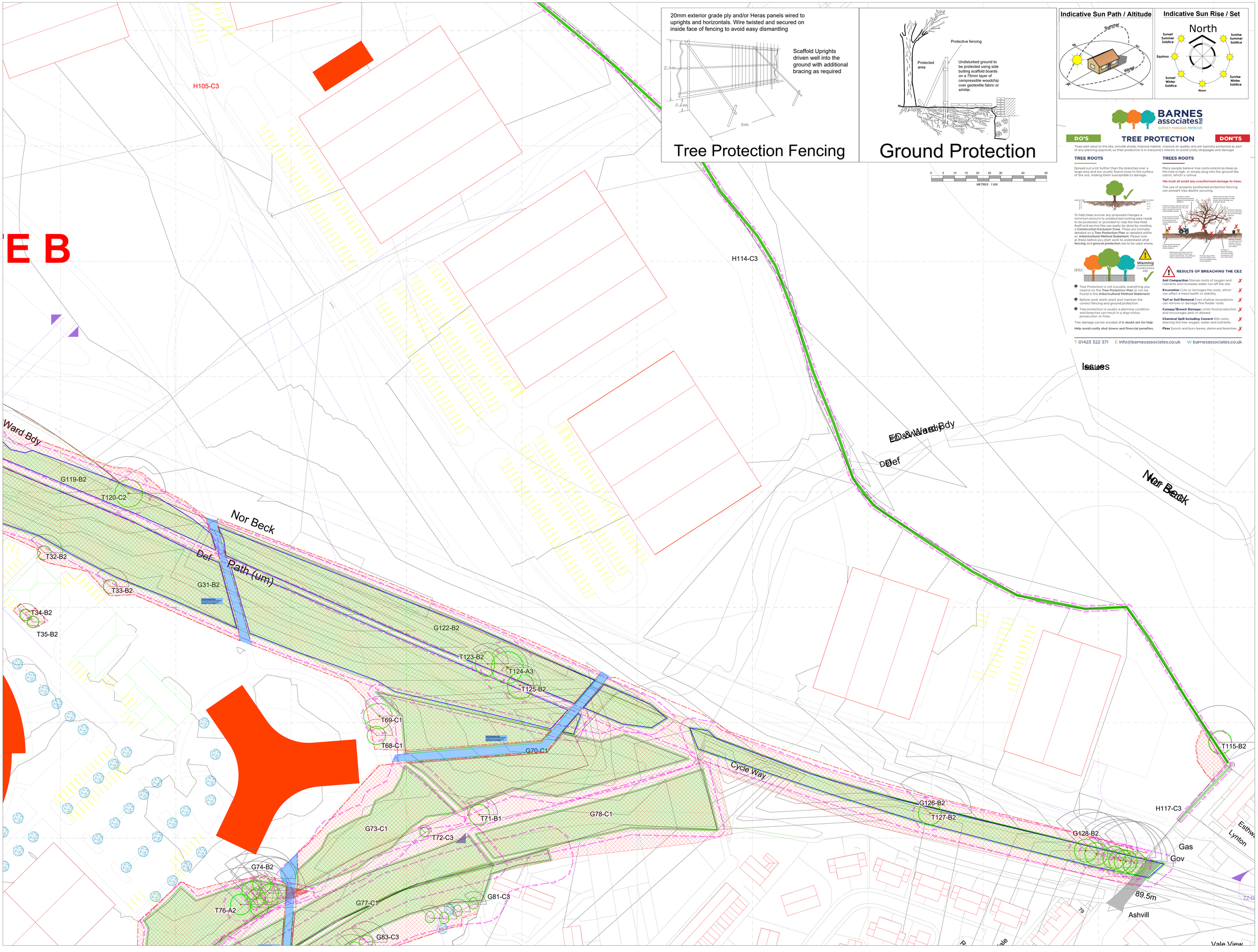

20mm exterior grade ply and/or Heras panels wired to uprights and horizontals. Wire twisted and secured on inside face of fencing to avoid easy dismantling

Scaffold Uprights driven well into the ground with additional bracing as required

Tree Protection Fencing

Ground Protection

0 5 10 15 20 25 30 40 50
METRES 1:500

Indicative Sun Path / Altitude

Indicative Sun Rise / Set

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TREE PROTECTION

DO'S | **DON'TS**

Trees add value to the site, provide shade, improve habitat, improve air quality and are typically protected as part of any planning approval, so their protection is in everyone's interest to avoid costly stoppages and damage.

TREE ROOTS

Spread out a lot further than the branches over a large area and are usually found close to the surface of the soil, making them susceptible to damage.

To help trees survive any proposed changes a minimum amount to undisturbed rooting area needs to be protected or provided to help the tree feed itself and survive this can easily be done by creating a **Construction Exclusion Zone**. These are normally detailed on a **Tree Protection Plan** or detailed within an **Arboricultural Method Statement**. Please look at these before you start work to understand what **fencing** and **ground protection** are to be used where.

- Tree Protection is not a puzzle, everything you need is on the **Tree Protection Plan** or can be found in the **Arboricultural Method Statement**.
- Before work starts erect and maintain the correct fencing and ground protection.
- Tree protection is usually a planning condition and breaches can result in a stop notice, prosecution or fines.

Tree damage can be avoided, **if in doubt ask for help**.

Help avoid costly shut downs and financial penalties.

TREES ROOTS

Many people believe tree roots extend as deep as the tree is high, or simply plug into the ground like carrot, which is untrue.

We must all avoid any unauthorised damage to trees.

The use of properly positioned protective fencing can prevent tree deaths occuring.

RESULTS OF BREACHING THE CEZ

Soil Compaction Starves roots of oxygen and nutrients and increases water run off the site. ✗

Excavation Cuts or damages the roots, which can affect a trees health or stability. ✗

Turf or Soil Removal Even shallow excavations can remove or damage fine feeder roots. ✗

Canopy/Branch Damage Limits food production and encourages pest or disease. ✗

Chemical Spill Including Cement Kills roots, starving the tree oxygen, water and nutrients. ✗

Fires Scorch and burn leaves, stems and branches. ✗

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Issues

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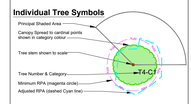
N

Metres 1:500 @ A0

Legend

Individual Tree Symbols



Tree Protection Methods

Tree Protection Fencing (TPF).
Indicated by the red line.
Fencing designs will need to reflect the expected size of plant and the level of forecasted intensity of change.

Construction Exclusion Zone (CEZ)
Indicated by the red Net Hatching.
These are *'NO-GO ZONES'* for site works, storage and operatives.
To be protected by appropriate Fencing and/or Ground protection.
These areas shall be identified with signage.

Tree Precautionary Zone - (TPZ)
Indicated by Blue shading.
Tree root activity is likely in these areas and will need to be appropriately protected before the start of the works.
Materials and methods need to limit excavation, root loss or damage to soils.

Notes

Plan is based upon the supplied topographical Survey Plan. Copies of this plan are available in CAD Formats .dwg & .dxf upon request.

Revision Description

A - Preliminary Issue

Client: Copland Borough Council

Project: Cleator Moor Innovation Quarter

Title: Tree Protection Plan

Drawing No: BA11078TPP-E | Status: P

Scale: 1:500 @ A0 | Revision: A

Date: 10/11/2021

Drawn By: MM | Checked: SB | Approved: IB

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