

From: [Hilary Saunders](#)
To: [Planning](#)
Subject: FW: NYM/2018/0188/FL Land off Cockmoor Road
Date: 23 May 2018 09:48:14
Attachments: [EAS0074J - Arboricultural Impact Assessment.pdf](#)

From: Alison Hughes
Sent: 23 May 2018 09:45
To: Hilary Saunders
Subject: NYM/2018/0188/FL Land off Cockmoor Road

Hilary,

Good morning, I attach the AIA in relation to the above site and I apologise for that additional delay. The report outlines the tree protection measures required which can be included as a condition.

It is worth noting that the locations of the Forestry Commission sites were agreed on site with representatives of the FC in order to select the best sites.

Please do let me know should you have any further requirements or comments in relation to the applications.

Regards,
Alison

Alison Hughes, MRTPI

Senior Planning Consultant



**EAS0074J LAND OFF COCKMOOR ROAD
TROUTSDALE
ARBORICULTURAL IMPACT ASSESSMENT**

TEP
Genesis Centre
Birchwood Science Park
Warrington
WA3 7BH

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Offices in Warrington, Market Harborough, Gateshead, London and Cornwall

NYMNP

23/05/2018

Arboricultural Constraints

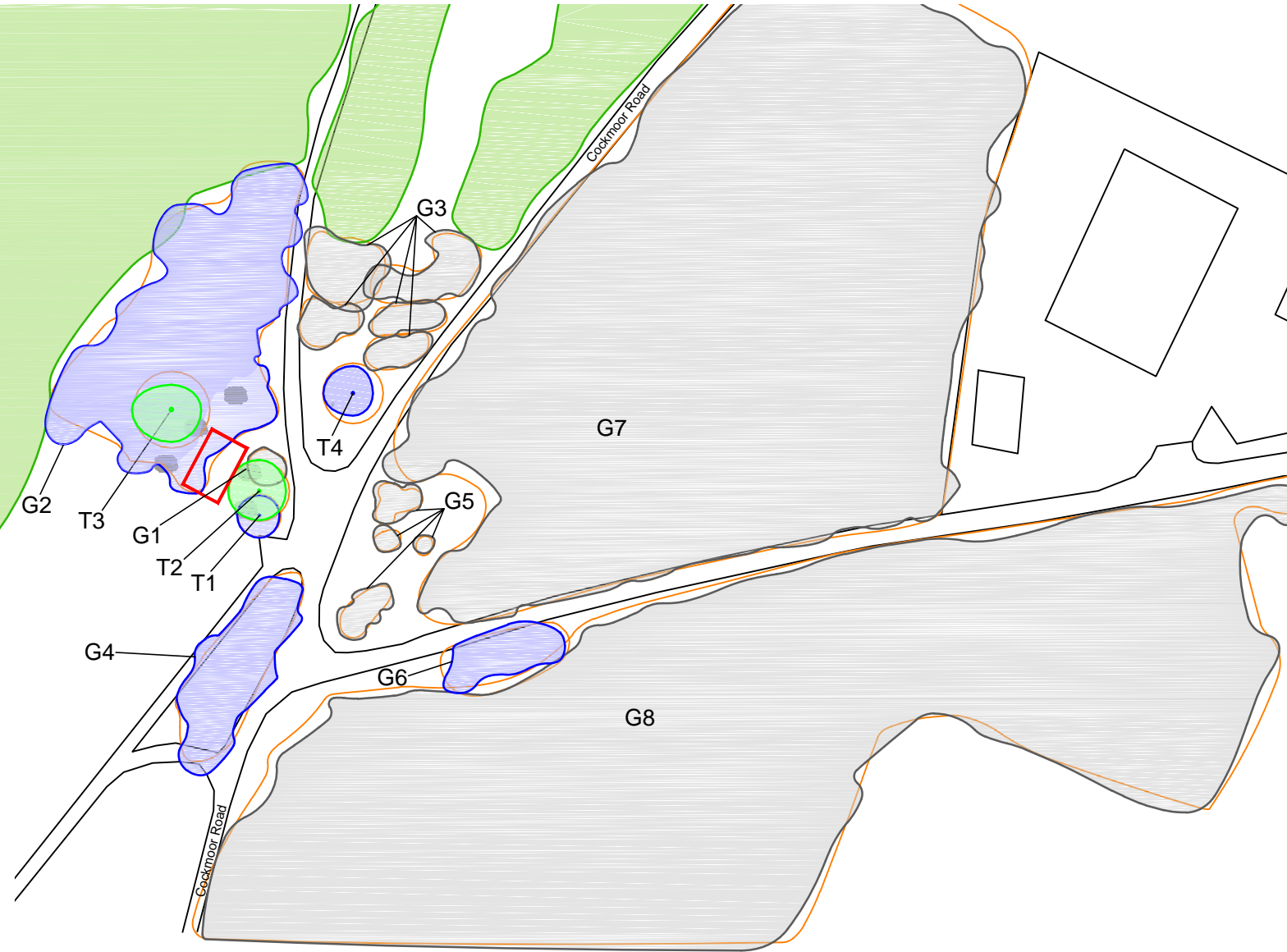
This drawing presents the results of a tree survey and outlines the constraints presented by trees to the installation of a proposed communications mast and associated works at Land off Cockmoor Road in Troutdale, North Yorkshire. The survey was undertaken in April 2018 by a qualified arboricultural consultant in accordance with BS 5837:2012 Trees in relation to design, demolition and construction - Recommendations.

The survey area comprises a small parcel of land adjacent to a small group of woodland trees (T1, T2, G1 and G2) adjacent to an unmetalled track off Cockmoor Road. The majority of trees are downy birch, scots pine and beech. One particular beech (T3) is an excellent example of its species and in excess of 80 years old. Trees in the surrounding area comprise birch, willow, whitebeam, sycamore and larch forestry plantation and are generally in a good condition. The survey also included larch plantation trees (G7 and G8) along a track heading towards a private nursery off Cockmoor Road. The table opposite describes all trees surveyed in further detail.

Trees are a material consideration and the quality of the trees, local policies, and the presence of any Tree Preservation Order (TPO) or Conservation Area (CA) designation are likely to be considered by the LPA when determining the application. On this site, none of the trees surveyed are covered by a TPO or within a CA although the site does lie within the North Yorkshire Moors National Park and is managed under the North Yorkshire Moors National Park Authority.

Trees have been assigned one of four value categories based on their current arboricultural, landscape or cultural qualities; A (high quality), B (moderate quality), C (low quality) and U (unsuitable for retention). The categorisation of tree quality allows a weighting to be given to each tree within the context of proposed development but is not prescriptive. It is to be used as a tool to inform decisions based on wider objectives. Foremost consideration should be given to the retention of Category A and B trees during development design. The requirement to remove Category A and trees must be justified by sound design rationale. Category C trees and groups are considered to be of low quality by virtue of either their young age, limited visual prominence or compromised condition. Their presence should not unduly constrain development design, but where possible they should be incorporated.

As per BS 5837:2012, the Root Protection Area (RPA) has been calculated using each tree's diameter at 1.5 metres and represents the minimum area around each tree that must be left undisturbed to ensure its survival. This is shown on the plan opposite as an orange circle or group offset and has been adjusted where appropriate to most accurately represent the likely spread of roots for each individual tree. The RPA's of all trees have been adjusted to reflect the prevailing level changes across the site as well as anticipated effects arising from the location of neighbouring trees.



KEY

[This drawing must be reproduced in colour]

- T1 Individual trees
- G1 Groups of trees
- Existing trees not surveyed but shown for context
- Root Protection Area (RPA)
- Site boundary

Tree Quality Categorisation

(Based on BS 5837:2012 Trees in relation to design, demolition and construction - Recommendations)

- Category A (High quality)
- Category B (Moderate quality)
- Category C (Low quality)
- Category U (Unsuitable for retention)

NOTE: No topographic survey was provided and all tree locations are plotted approximated using a combination of aerial imagery and on-site observations

Site Location



Tree Schedule

Ref	Species	Height (m)	Stem Dia. (mm)	No. of stems/individuals (arising below 1.5m)	Crown Spread North (m)	Crown Spread South (m)	Crown Spread East (m)	Crown Spread West (m)	Height of Lowest Branch (m)	Direction of Lowest Branch	Maturity	Condition	Comments on form, condition, health and significant defects	BS5837 Tree Quality Assess.	Radius of RPA guide circle (m)	BS5837 RPA Area (m ²)	Estimated Remaining Contribution	TPO
Trees																		
T1	Common whitebeam	7.0	360	9.0	4.0	4.5	4.0	4.5	0.5	N	Mature	Good	Multi-stemmed at base with fused stems and a low, round crown; minor dead wood and crossing, fused branches	B,1	4.3	58.6	Long	N
T2	Downy birch	17.0	560	1.0	7.0	6.5	6.0	7.0	2.0	W	Mature	Good	Excellent form and vigour; no significant defects	A,1,2	6.7	141.9	Long	N
T3	Common beech	14.0	640	1.0	5.0	6.5	6.0	8.0	1.5	SW	Mature	Good	Excellent form and vigour; located behind G2 with low crown to ground	A,1	7.7	185.3	Long	N
T4	Goat willow	8.0	503	7.0	5.5	4.5	4.0	6.0	0.5	W	Mature	Good	Multi-stemmed at base with adjacent, established suckers; low crown to ground	B,1	6.0	114.3	Long	N
Groups																		
G1	Downy birch	9.0	320, 360 and 400	3.0							Middle Age	Good	Growing under T2; asymmetric crowns	C,2	Refer to Drawing	n/a	Long	N
G2	Downy birch; Scots pine	to 12	to 550	c. 20							Middle Age to Mature	Good	Woodland/plantation edge group; knicked and gnarly stems with asymmetric crowns	B,2	Refer to Drawing	n/a	Long	N
G3	Downy birch; sycamore	to 11	to 250	c. 15							Middle Age	Good	Small pockets of trees with good form and vigour and no significant defects	C,2	Refer to Drawing	n/a	Long	N
G4	Common larch; sycamore; birch; hawthorn	to 14	to 350	c. 10							Middle Age	Good	Mixed species group in small island in middle of track; generally good form and vigour	B,1,2	Refer to Drawing	n/a	Long	N
G5	Goat willow; birch	to 6	to 150	c. 10							Young to Middle Age	Good	Scrubby group of small self-set trees on corner of junction	C,2	Refer to Drawing	n/a	Long	N
G6	Silver birch	to 15	to 470	3.0							Middle Age to Mature	Good	3 trees forming a complete canopy on edge of forestry plantation; high crowns; no significant defects	B,2	Refer to Drawing	n/a	Long	N
G7	Common larch	to 20	to 500	n/a							Middle Age to Mature	Good	Forestry plantation	C,1	Refer to Drawing	n/a	Long	N
G8	Common larch	to 18	to 450	n/a							Middle Age	Good	Forestry plantation	C,1	Refer to Drawing	n/a	Long	N

Rev	Description	Drawn	Approved	Date

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Project
EAS0074J Land off Cockmoor Road, Troutdale
Arboricultural Impact Assessment

Title
Drawing 1: Arboricultural Constraints

Drawing Number
D6421.03.042

Drawn	Checked	Approved	Scale	Date
RMG	AAB	JGS	1:1250 @ A3	16/05/2018

Arboricultural Impact Assessment

This drawing presents the anticipated effects on trees to the installation of a telecommunications mast off Cockmoor Road, Troutdale near Pickering. The proposals include, a permanent 10m x 10m compound housing a c.35m high lattice tower on a 7m x 7m concrete base and associated wiring cabinets and excavation for ducting and cable runs. Construction and maintenance access is proposed from the existing area of unmetalled track off Cockmoor Road. The layout of apparatus and cable route is shown on the plans opposite.

A reasonable assessment of effects on trees has been made. A topographical survey was provided (Drawing: EAS0074_i5) though this does not provide accurate stem locations, therefore all tree locations have been estimated and should be confirmed on site.

In order to facilitate the proposed mast construction, the removal of approximately 8 downy birch and 1 pine from G2 will be required. The arboricultural effect associated with the proposed mast location would result in the permanent reduction of broadleaf tree cover in a large plantation forest.

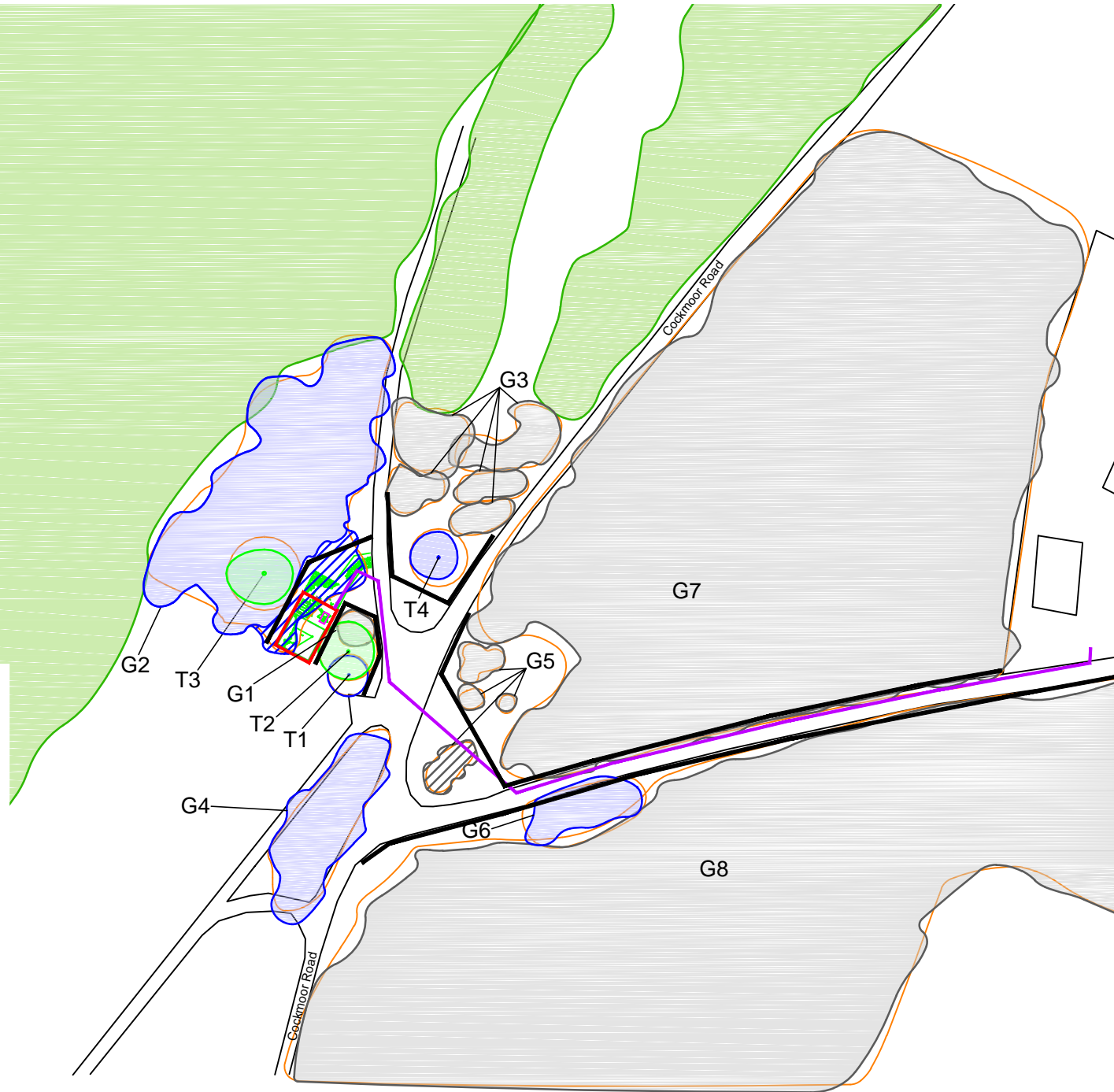
A proposed HV cable will connect the new site compound to an existing underground O/H HV pole near an existing farm along a track approximately 240m east. The cable route will be open trenched requiring the removal of a small part of G5. The trench will also run along the southern edge of G7 and should utilise the existing track edge where the likelihood of tree roots is low. It would not be acceptable to open trench within the soft verge between the track and G7 due to the likelihood of large areas of root loss in the short term and available a reduction in available yield area in the long term (due to wayleaves).

Tree protective fencing will need to be installed to create a Construction Exclusion Zone (CEZ) around retained trees prior to the commencement of works. This must be put in place prior to the commencement of any development works, including bringing machinery or materials onto site.

The alignment of the fencing is shown opposite and assumes all trees identified for removal have been felled prior to installation. A recommended specification is provided on drawing D6421.03.044. The fencing must be fixed into the ground to withstand accidental impact from machinery and to ensure that a sufficient protective area is maintained.

A weatherproof notice identifying the Construction Exclusion Zone must be fixed to each fencing panel. An example notice is provided as an appendix to this document.

The protective fencing must not be removed until the physical construction phase has been completed and all vehicles have been removed from site.



KEY

[This drawing must be reproduced in colour]

- T1 Individual trees
- G1 Groups of trees
- Site Boundary
- Tree Protection Fencing (c. 515m)
(Must be installed prior to works commencement)
- Proposed HV cable route

Trees to be retained

- Category A (High quality)
- Category B (Moderate quality)
- Category C (Low quality)
- Category U (Trees with existing or potential conservation value)

Trees to be removed

- Category A (High quality)
- Category B (Moderate quality)
- Category C (Low quality)
- Category U (Unsuitable for retention)

NOTE: Tree quality assessment based on BS 5837:2012 Trees in relation to design, demolition and construction - Recommendations.

NOTE: No topographic survey was provided and all tree locations are plotted approximated using a combination of aerial imagery and on-site observations

Table of Impacts

	Category A	Category B	Category C	Category U
Trees and Groups to be removed	-	G2 (c. 9 trees)	G5 (c. 4 trees)	-
Trees and Groups to be retained	T2; T3	T1; T4 G2 (majority); G4; G6	G1; G3; G5 (majority); G7; G8	-



Rev	Description	Drawn	Approved	Date



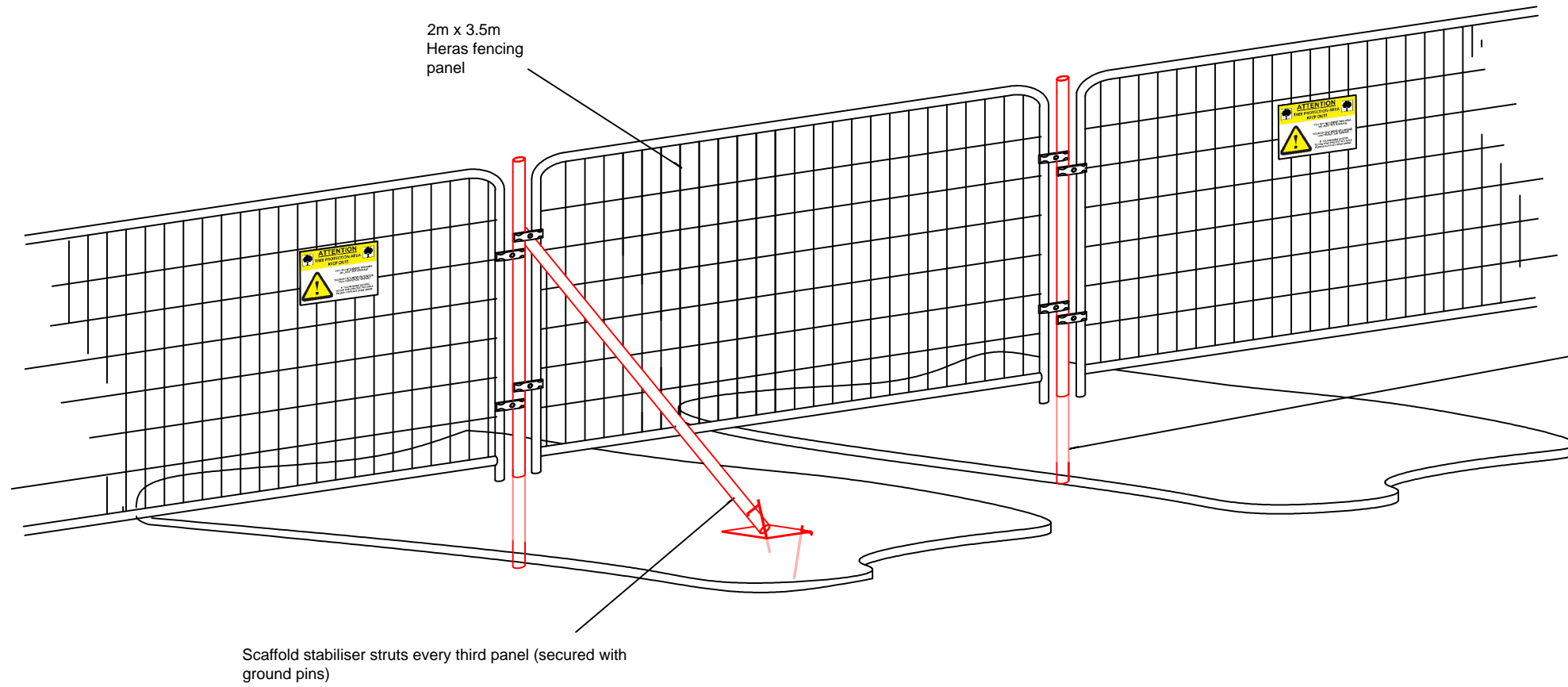
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Project
EAS0074J Land off Cockmoor Road, Troutdale
Arboricultural Impact Assessment

Title
Drawing 2: Arboricultural Impacts

Drawing Number
D6421.03.043

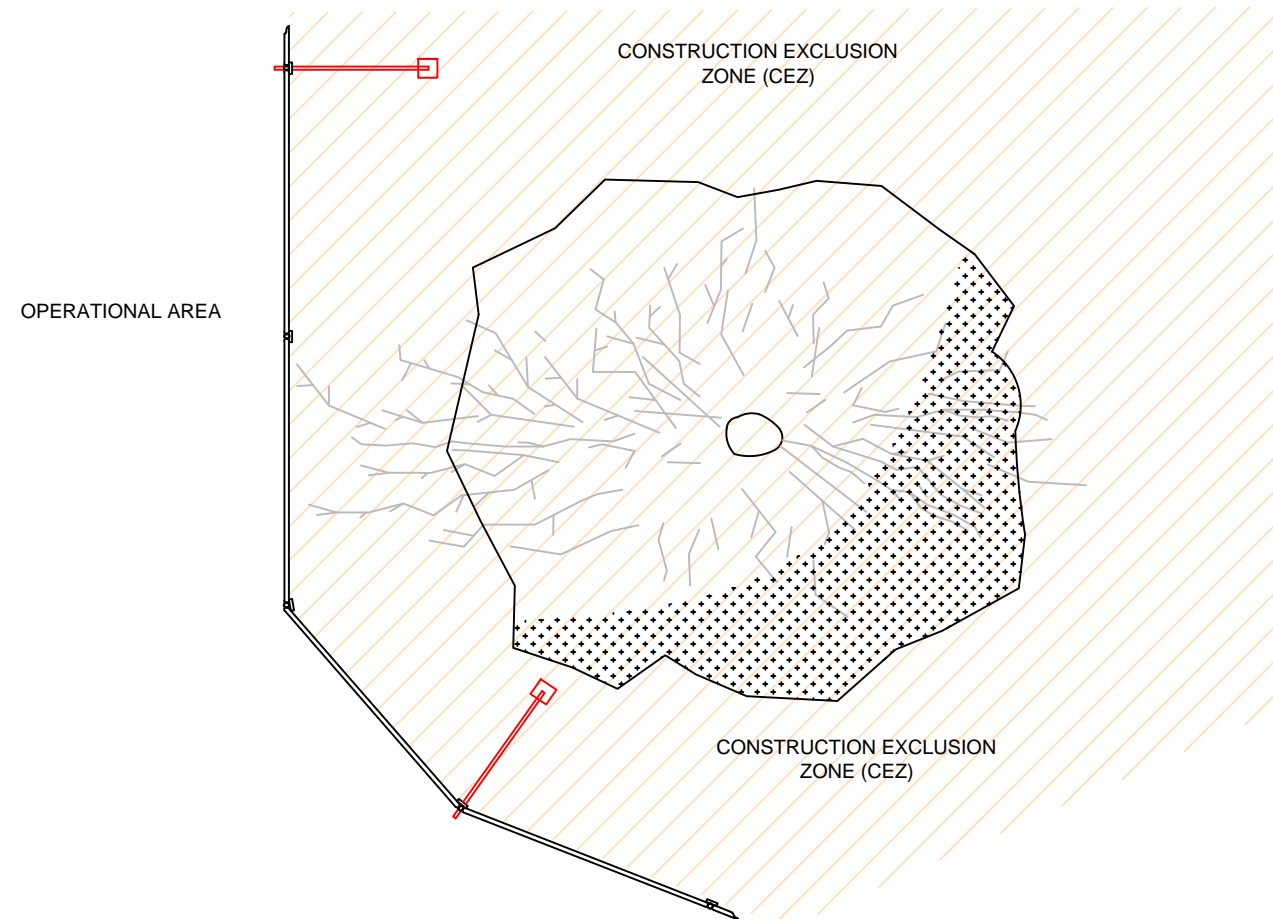
Drawn	Checked	Approved	Scale	Date
RMG	AAB	JGS	1:1250 @ A3	22/05/2018



Per 3No. Heras panels (10.5m)	
Component	Quantity
2m x 3.5m Standard Heras panels	3
3m Galvanised steel scaffold pole	3
Heras security fence clip	12
Heras stabilising support bar	1
Stabilising pin	2
Tree protection notice	2

Notes:

Vertical scaffold pole driven 0.6m into the ground between each Heras panel



Rev	Description	Drawn	Approved	Date

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Project
EAS0074J Land off Cockmoor Road, Troutdale
 Arbicultural Impact Assessment
 Title
Tree Protection Fencing Specification

Drawing Number
D6421.03.044

Drawn	Checked	Approved	Scale	Date
RMG	AAB	JGS	Not to scale @ A3	14/05/2018



ATTENTION



**TREE PROTECTION AREA
KEEP OUT!**



**YOU MAY NOT ENTER THIS AREA
OR USE IT FOR STORAGE**

**YOU MUST NOT MOVE OR DAMAGE
THIS PROTECTION FENCING**

**IF YOU REQUIRE ACCESS
TO THE TREE PROTECTION AREA
PLEASE CONTACT 01925 844004**