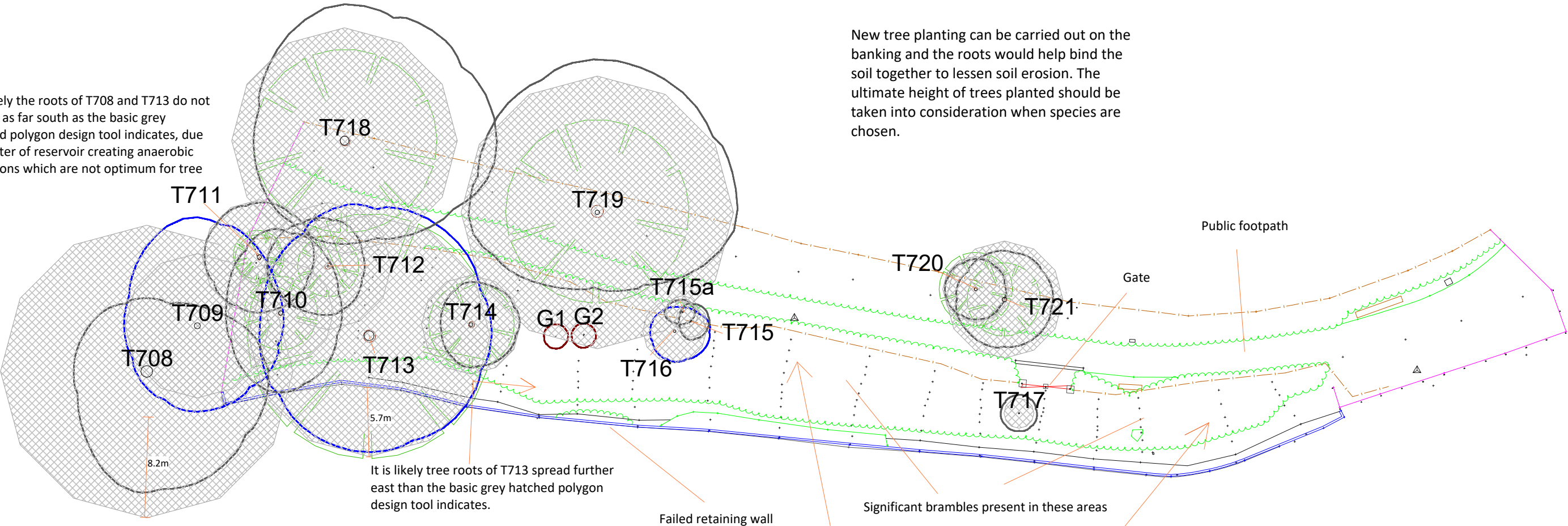


RPA (Root Protection Areas) are illustrated by the polygons with grey hatched areas.

Crowns spreads are illustrated by green, blue, grey or red outlines, depending on their retention category.

It is likely the roots of T708 and T713 do not spread as far south as the basic grey hatched polygon design tool indicates, due the water of reservoir creating anaerobic conditions which are not optimum for tree roots.

New tree planting can be carried out on the banking and the roots would help bind the soil together to lessen soil erosion. The ultimate height of trees planted should be taken into consideration when species are chosen.



It is likely tree roots of T713 spread further east than the basic grey hatched polygon design tool indicates.

Failed retaining wall

Significant brambles present in these areas

T708 was calculated to have an RPA spread radius of around 11.67m, measured from the centre of the tree trunk

New planting can be carried out on the banking. Brambles should be removed to prevent them from smothering new trees.

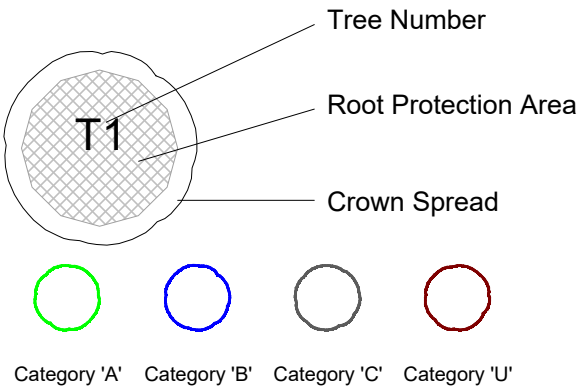
New trees should be planted at least 1.5m from the public footpath

T713- The tree was calculated to have an RPA spread radius of around 9.64m, measured from the centre of the tree trunk

For T708 and T713:

It is possible the tree roots extend underneath the reservoir within the soil under the reservoir. However, the anaerobic conditions here may limit their spread and the roots of these trees may in fact spread further east, west and north along the embankment, further than the basic grey hatched polygon design tool indicates on this Tree Constraints Plan.

Generally, tree roots tend to be surface orientated with 90% of roots occurring within the top 1m of soil. This is because there is less oxygen and water at lower depths. Tree roots need oxygen in order to survive as they are porous.



SELWYN TREES
TRAINED. QUALIFIED. TRUSTED.
30 Tickhill Road Doncaster
South Yorkshire DN4 8QE
01302 816850
celia@selwyntreeconsultants.co.uk

Tree Constraints Plan
Site nr to area known locally as 'The Shallows' at
Worsbrough Reservoir, Barnsley

SCALE :
1 : 350 @ A3

DATE :
14/12/2021

MAP FILENAME :
TCP Worsbrough Reservoir, Barnsley



Map data shown may contain Ordnance Survey © products supplied by
Pear Technology Services Ltd; Email: info@peartechology.co.uk
© Crown Copyright and database rights from date shown above
Ordnance Survey @ licence number 100023148