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Horticulture & Arboriculture Ltd.

**Arboricultural Assessment:
Notice of urgent
tree works required
Coláiste Chilliain School,
Old Nangor Road, Clondalkin,
Dublin 22**

Project No.	TCLO002	Date	10/02/23
Project Name	Coláiste Chilliain School	Revision	-

Notice of urgent tree works required

While undertaking an updated tree survey on the 27th of January 2023 on the grounds of Coláiste Chillian School, Old Nangor Road, Clondalkin, Dublin 22; seven trees were found to present fail risks and should given urgent attention.

With the exception of a single birch #594 (*Betula pendula*), and these trees are all black poplars (*Populus nigra*). Poplar trees are prone to management issues due to their short lifespan; poplars have a relatively short lifespan compared to other tree species, typically living only 30 to 50 years and their comparatively weak wood which is prone to breakage in high winds. These factors increase their risk factor near locations of high footfall, such as near the play areas in Coláiste Chillian.

Below, in chart 1, are details the conditions of these six trees which are located close to play areas. These trees are tagged with IDs #564, #569, #575, #576, #579, #587 & #926. A further two trees #584 and #601 are recommended to be removed, but are both smaller and further away from play areas and therefore of less concern at present. For detailed locations of these trees refer to drawings TCLO002 Tree Survey - urgent works 110-113.



Image 1. Overview of locations of trees that require urgent attention within red rings (refer to drawings TCLO002 Tree Survey - urgent works 110-113).

Tag No.	Species	Age Category	Vigour	Comments	Preliminary Recommendations	Category	Useful life expectancy
594	Birch <i>Betula pendula</i>	Mature	Poor	Extensive decay in trunk to south.	Fell	U	<10
575	Black Poplar <i>Populus nigra</i>	Mature	Poor	Located on internal boundary. Upper canopy lost to storm damage.	Fell	U	<10
576	Black Poplar <i>Populus nigra</i>	Mature	Good	Located on internal boundary. Trunk three-stemmed from 1m. Two of which have been cut at 1m. Decay visible at this point.	Fell	U	<10
579	Black Poplar <i>Populus nigra</i>	Mature	Good	Located on internal boundary. Trunk co-dominant from base with a tight union between stems. This may become an area of structural weakness in the future. Large limb failure at 3m south. Upper canopy well developed with no visible defects.	Remove as high likelihood of failure due to decay	U	<10
587	Black Poplar <i>Populus nigra</i>	Mature	Fair	Located on field boundary embankment. Trunk co-dominant from base with a tight union between and structural weakness at this point. Stems rubbing which increases chances of bacterial infections. Failure in medium term is likely due to these weaknesses.	Fell	U	<10
926	Black Poplar <i>Populus nigra</i>	Mature	Poor	Upper crown lost at 9m	Remove Swings as unsafe/fell	U	0

Chart 1. Schedule of trees that require urgent attention (refer to drawings TCLO002 Tree Survey - urgent works 110-113).



Image 2. Line of poplars trees #577-#590.

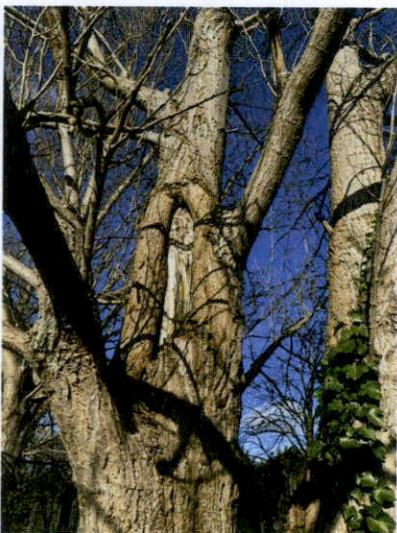


Image 3. Poplar tree #579 with a large limb failure at 3m south.



Image 4. Line of poplars trees #565-#576.



Image 6. Birch #594 with extensive cavity at base of tree.

Image 5. Invasive roots from trees #565-#576 undermining the play area east of their location.



Image 7. Two mature poplars in the south east of the surveyed site. #925 (left) and #926 (right).



Image 8. Poplar tree #926 which is marked with a red x to signify a recommendation for immediate removal.

