

## ARBORIST REPORT

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**Tree-Risk Assessment  
Terra Linda High School  
320 Nova Albion Way, San Rafael, California  
(APN: 175-060-31)**

*Prepared for:*  
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*Prepared by:*  
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ISA Certified Arborist  
California Professional Forester  
ARBORSCIENCE, LLC**

**February 3, 2020**

## ASSIGNMENT

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San Rafael City Schools hired **ARBORSCIENCE, LLC** to conduct a tree-risk assessment for its Terra Linda High School campus. The purpose of this work was to identify trees that present high-failure risks and provide recommendations to mitigate these risks. I conducted my inspection on January 22, 2020.

## SCOPE OF WORK AND LIMITATIONS

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I evaluated all trees on campus using a Level 2 Basic Assessment following International Society of Arboriculture Best Management Practices for Tree Risk Assessment. Tree characteristics including form, degree of lean, vigor, and rooting stability were evaluated in relation to nearby targets. In addition, I used a dead-blow hammer to sound for internal trunk decay or hollows.

Tree-risk assessment is a systematic process for evaluating likelihood of tree failure and resulting property damage or personal injury. All trees have the potential to fail—degree of risk varies with tree size, species, type and locations of defects, and the nature of the target(s) that could be impacted. Targets include people on benches, walkways, and playgrounds (frequent occupancy) and buildings nearby (constant occupancy).

This assessment is based on the circumstances and observations, as they existed at the time of the site inspection. Opinions in this assessment are given based on observations made and using generally accepted professional judgment, however, because trees are living organisms and subject to change, damage and disease, the results, observations, recommendations, and analysis as set out in this assessment are valid only at the date any such observations and analysis took place and no guarantee, warranty, representation or opinion is offered or made by Arborscience LLC as to the length of the validity of the results, observations, recommendations and analysis contained within this assessment.

## IDENTIFIED HIGH-RISK TREES

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Twenty-two (22) trees on the school campus were identified as presenting high-failure risks due to dead limbs, trunk decay, root failure, and large pine cones. Locations of these trees are in Figure 1 and are described in Table 1 with treatment recommendations (attached).

Sincerely,  
**ARBORSCIENCE, LLC**



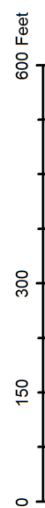
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Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community



ARBORGIS 2020



**Figure 1: Hazard Tree Map  
Terra Linda High School  
San Rafael, California**



Table 1. Identified hazardous trees at Terra Linda High School.

Tree	Common Name	Scientific Name	Defects	Recommendation
1	Willow	<i>Salix sp.</i>	Trunk decay	Remove
2	Sweetgum	<i>Liquidambar styraciflua</i>	Codominant Trunks	Remove
3*	Monterey pine	<i>Pinus radiata</i>	Dead	Remove
4	Monterey pine	<i>Pinus radiata</i>	Dead	Remove
5	Lombardi poplar	<i>Populus nigra var. italica</i>	Trunk decay	Remove
6	Lombardi poplar	<i>Populus nigra var. italica</i>	Trunk decay	Remove
7	Lombardi poplar	<i>Populus nigra var. italica</i>	Trunk decay	Remove
8	Lombardi poplar	<i>Populus nigra var. italica</i>	Trunk decay	Remove
9	Lombardi poplar	<i>Populus nigra var. italica</i>	Trunk decay	Remove
10	Lombardi poplar	<i>Populus nigra var. italica</i>	Trunk decay	Remove
11	Lombardi poplar	<i>Populus nigra var. italica</i>	Trunk decay	Remove
12	Lombardi poplar	<i>Populus nigra var. italica</i>	Trunk decay	Remove
13	Lombardi poplar	<i>Populus nigra var. italica</i>	Trunk decay	Remove
14	Lombardi poplar	<i>Populus nigra var. italica</i>	Trunk decay	Remove
15	Monterey pine	<i>Pinus radiata</i>	Failed roots	Remove
16	Monterey pine	<i>Pinus radiata</i>	Dead limbs	Prune
17	Monterey pine	<i>Pinus radiata</i>	Dead limbs	Prune
18	Monterey pine	<i>Pinus radiata</i>	Dead limbs	Prune
19	Monterey pine	<i>Pinus radiata</i>	Advanced pitch canker	Remove
20	Monterey pine	<i>Pinus radiata</i>	Dead limbs	Prune
21	Coulter pine	<i>Pinus coulteri</i>	Hazardous pine cones	Remove or prune off cones
22	White mulberry	<i>Morus alba</i>	Trunk decay	Remove

\*Tree 3 is located on private property at 291 Devon Drive.





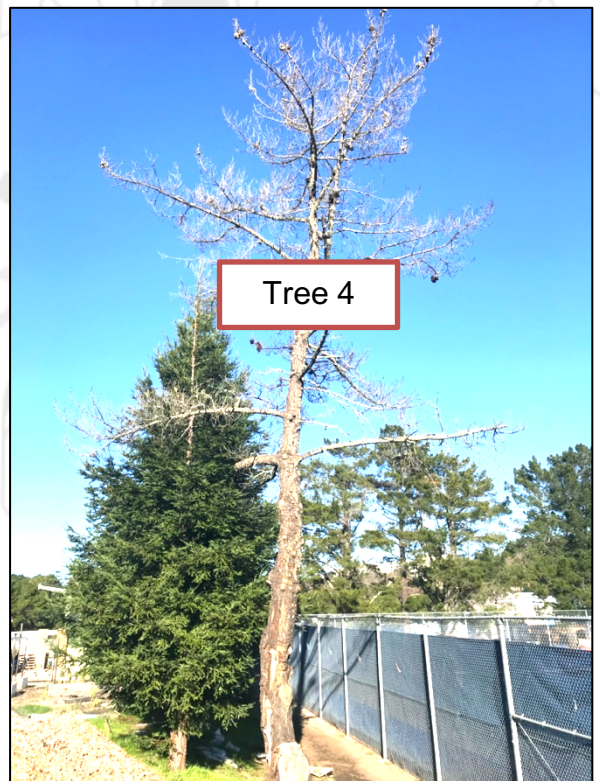
Tree 1



Tree 2



Tree 3



Tree 4





Trees 5-14



Tree 15



Tree 16



Tree 17



