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March 24, 2016

Nick Comorre
125 N. Raymond Avenue, Unit 510
Pasadena Ca, 91103
Cell # 818-521-9348

Re: Biological Report: 3160 Linda Vista Road Glendale, California

Dear Nick:

This letter provides the results of a field survey conducted on March 18, 2016 by Associate Principal Biologist Jacqueline Bowland Worden of Impact Sciences, Inc. We understand the existing driveway may require cut and fill and the bridge may have to be replaced in order to comply with the county requirement for a grade of 20%. However, site-specific grading or engineering plans have not yet been developed for the driveway and bridge. Therefore, we conducted a general biological resource survey of the driveway, creek and adjacent areas that might be impacted by future grading work.

Existing Conditions

The study area was surveyed to check for the presence of sensitive biological resources, such as special-status plants, animals, or plant communities. Native coast live oaks (*Quercus agrifolia*) and western sycamores (*Platanus racemosa*) are the only native tree species on the property. These trees are indicated on the topographic plan that you provided, and illustrated on the attached photos. Additionally, a separate indigenous tree report was prepared for you by Julie Bush, Certified Arborist (March 11, 2016); please refer to that report for details on the oaks and sycamore trees on the subject property.

Native Trees

One oak is present on the south side of the driveway, with a canopy extending to the area near the top of the driveway (near the gate). This oak is rooted well down the slope away from the driveway. Two other oaks are present to the southwest and southeast of the bridge, near the existing paved area.

Two sycamore trees are present, one to the northwest of the bridge (west of the driveway) and the second south of the bridge (directly west of the driveway). Oak and sycamore trees were the only special-status species found on-site; no

other special-status species of plants or animals were detected. These native trees are protected under city of Glendale policy, and a permit is required for work on these trees.¹

Non-native elm (*Ulmus* sp.) trees are present along the north side of the driveway, with an understory of English ivy (*Hedera helix*).

Creek

An un-named creek mapped as a blue-line stream flows westerly through the property. Water was present during the March 2016 site visit. As illustrated on the attached photo pages, the creek exhibits well-defined channel and bank boundaries. The banks were either unvegetated or covered with non-native species such as periwinkle (*Vinca* sp.), English ivy, and/or non-native annual grasses. Non-native fan palms are also present. The driveway wooden bridge that spans the creek is supported by stone abutments inset into the banks.

No native vegetation was found in or near the creek. Habitat quality is considered to be low, given the lack of native plants and the developed condition of the region. Birds typical of residential communities would be expected to use the creek for drinking and bathing. Baja California [Pacific] tree frogs were heard calling from the creek.

Recommendations

Any work (alteration) within the bed, bank or channel of the creek will require a Streambed Alteration Agreement for the California Department of Fish & Wildlife. This would include alterations to the bridge to remove the existing abutments. Provided that any work in the creek vicinity occurs above the Ordinary High Flow Mark, permits will not be required from U.S. Army Corps of Engineers or the State Regional Water Quality Control Board.

Encroachment into the protected zone of nature trees will require a permit from the city of Glendale. The tree report (Julie Bush, March 11, 2016) discusses the potential impacts to native trees on the property from heavy or light grading.

The information provided in this report is accurate and complete to the best of my knowledge.



Jacqueline Bowland Worden
Associate Principal Biologist
Impact Sciences, Inc.

attachments

¹ Glendale Municipal Code Section 12.44.040: "Except as provided in sections 12.44.030 and 12.44.060, a permit shall be required of any person who proposes to cut, remove, encroach upon, or relocate a protected indigenous tree." (Ord. 5719, § 1, 12-7-2010)

SITE PHOTOS



Photo 1. Viewing down the existing driveway toward the bridge over the creek (viewing generally east). Note the non-native acacia trees to left (north) and one western sycamore to right. Photo was taken from the gate at the top of the driveway.

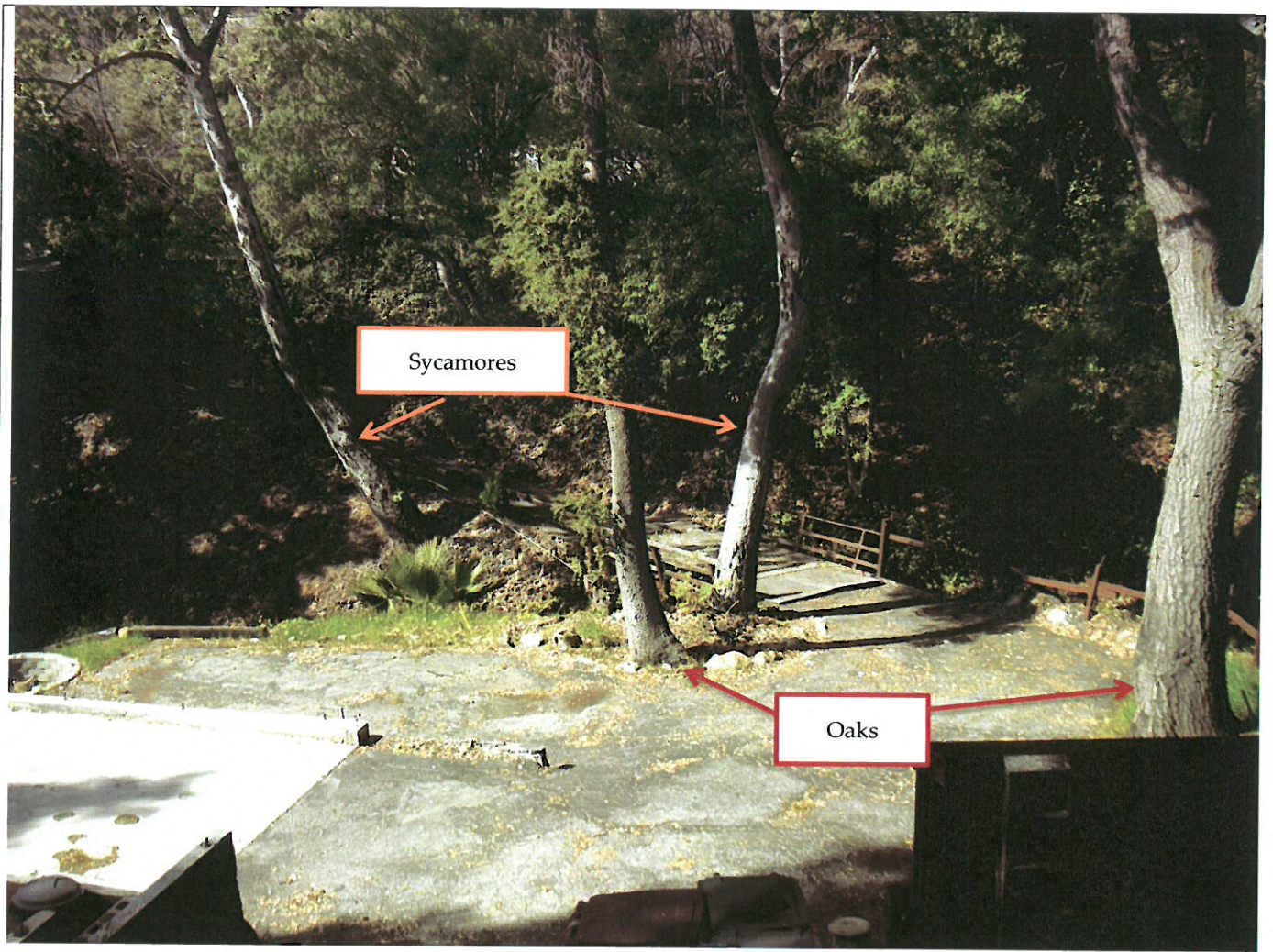


Photo 2. View from home site toward bridge & driveway, generally viewing north.



Photo 3. View of creek, facing east (upstream). Note clearly defined top of bank on both sides. The large-diameter tree to the right is a coast live oak; the other two are western sycamore.