

ACORN

ARBORICULTURAL SERVICES INC.



ARBORIST REPORT ADDEMDUM

March 19, 2020

JMC Homes
1430 Blue Oaks Blvd., Suite 190
Roseville, CA 95747

Attn: Ryan Biziewski

Re: M31, 9000 Woodcreek Oaks Blvd. Project Site; Drain Outfall

This Arborist Report Addendum covers the proposed drain outfall north of the offsite blue oak (*Quercus douglasii*) numbered 37. There has been a concern about the outfall location at the northern edge of the protected zone of this tree.

The current drainage from the site flows into to an east / west swale outside of and through the protected zone of the tree. After examining the topography within the protected zone, the proposed outfall location will have little appreciable difference to that drainage pattern. The only discernible difference will be sheet flow from the outfall to the swale, which to a degree currently exists.

The impact to this tree from the proposed location of this outfall can be considered negligible.

If you have any questions or require clarification, please feel free to contact me.

Wayne McKee
ISA Certified Arborist WE 0959A, 1992
ISA Tree Risk Assessment Qualified, 2017
B S Forestry, Humboldt State University, 1983

cc: Lisa Mattos; Baker Williams Engineering Group, by email



ARBORIST REPORT

JMC Homes
1430 Blue Oaks Blvd., Suite 190
Roseville, CA 95747

February 18, 2020

Attn: Ryan Biziewski

Re: 9000 Woodcreek Oaks Blvd. Project Site

This report covers the 2 native oaks south of the above referenced site. They are located near the southwest and southeast corners of the project. The trees have been numbered with square stamped aluminum tags. Following is the tree data, impact assessment and mitigative measure recommendations.

Tree # 37 (southwest corner) also numbered 45

Blue Oak (*Quercus douglasii*); **DBH** 35-inches; **Dripline radius** 45-feet

Root Crown - Poor to fair, evidence of *Ganoderma lucidum* on the northeast side.

Trunk - Fair **Limbs** - Fair **Foliage** - Dormant **Structure** - Fair **Vigor** - Fair

Dripline environment: Grasses with a natural east /west swale east of the trunk

Notable Characteristics: Above average amount of deadwood, existing wrought iron fence 38-feet northeast of the trunk

Impacts: Construction of a retaining wall with fill material in the location of the existing wrought iron fence. Installation of a drain inlet and 8-inch storm drain just beyond the fence.

This encroachment amounts to 15-percent of the Protected Zone and can be considered minor.

Mitigative measure recommendations: Install tree protective fencing at the northern portion of the Protected Zone Radius of 46 feet and at the limit of grading. Properly root prune any roots greater than ½-inch in diameter severed during the excavation for the drain inlet and storm drain.

Tree # 38 (southeast corner)

Blue Oak (*Quercus douglasii*); **DBH** 31-inches; **Dripline radius** 27-feet

Root Crown - Poor to fair **Trunk** - Poor to fair **Limbs** - Poor **Foliage** - dormant

Structure - Poor **Vigor** - Fair **Dripline environment:** Grasses, existing wrought iron fence 10-feet northeast and a 36-inch diameter 20-foot tall dead blue oak snag 13-feet northeast the trunk.

Notable Characteristics: Callusing basal and lower trunk wounds north and west sides to 2-feet above grade with minor decay. All of the primary branches have failed decades ago with moderate to significant internal decay and hollowing 10 to 15-feet above grade in the remaining portions. The crown is comprised of sprouts arising from the remaining branches with low risk of failure.

Impacts: None. All of the construction activities will occur outside the Protection Zone Radius of 28-feet. **Mitigative measure recommendations:** Install tree protective fencing at the northern portion of the Protected Zone Radius.

If you have any questions or require clarification, please feel free to contact me.

Wayne McKee

ISA Certified Arborist WE 0959A, 1992

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B S Forestry, Humboldt State University, 1983

TREE CONDITION RATING CRITERIA

RATING TERM	ROOT CROWN	TRUNK	LIMBS	FOLIAGE	STRUCTURE	VIGOR
Good	No apparent injuries, decay, cavities or evidence of hollowing; no anchoring roots exposed; no indications of infestation or disease	No apparent injuries, decay, cavities or evidence of hollowing; no codominant attachments or multiple trunk attachments are observed; no indications of infestation or disease	No apparent injuries, decay, cavities or evidence of hollowing; below average amount of dead limbs or twigs; no major limb failures or included bark; callus growth is vigorous	Leaf size, color and density are typical for the species; buds are normal in size, viable, abundant and uniform throughout the canopy; annual seasonal growth increments are average or above average; no insect or disease infestations/infections evident	No apparent structural defects; no weak crotches; no excessively weighted branches and no significant cavities or decay	Tree appears healthy and has little or no significant deadwood; foliage is normal and healthy
Fair	Small to moderate injuries, decay, cavities or hollowing may be evident but are not currently affecting the overall structure; some evidence of infestation or disease may be present but is not currently affecting the tree's structure	Small to moderate injuries, decay, cavities or hollowing may be evident; codominant branching or multiple trunk attachments or minor bark inclusion may be observed; some infestation or disease may be present but not currently affecting the tree's structure	Small to moderate injuries, decay or cavities may be present; average or above average dead limbs or twigs may be present; some limb failures or bark inclusion observed; callus growth is average	Leaf size, color and density are typical or slightly below typical for the species; buds are normal or slightly sparse with potentially varied viability, abundance and distribution throughout the canopy; annual seasonal growth increments are average or slightly below average; minor insect or disease infestation/infection may be present	Minor structural problems such as weak crotches, minor wounds and/or cavities or moderate amount of excessive weight; non-critical structural defects which can be mitigated through pruning, cabling or bracing	Tree appears stressed or partially damaged; minimal vegetative growth since previous season; moderate amount of deadwood, abnormal foliage and minor lesions or cambium dieback
Poor	Moderate to severe injuries, decay, cavities or hollowing may be evident and are affecting the overall structure; presence of infestation or disease may be significant and affecting the tree's structure	Moderate to severe injuries, decay, cavities or hollowing may be evident and are affecting the tree's structure; presence of infestation or disease may be significant and affecting the tree's structure	Severe injuries, decay or cavities may be present; major deadwood, twig dieback, limb failures or bark inclusion observed; callus growth is below average	Leaf size, color and density are obviously abnormal; buds are obviously abnormal or absent; annual seasonal growth is well below average for the species; insect or disease problems may be severe	Obvious major structural problems which cannot be corrected with mitigation; potential for major limb, trunk or root system failure is high; significant decay or dieback may be present	Tree health is declining; no new vegetative growth; large amounts of deadwood; foliage is severely abnormal

The ratings "poor to fair" and "fair to good" are used to describe trees that fall between the described major categories and have elements of both

ASSUMPTIONS AND LIMITING CONDITIONS

1. Care has been taken to obtain all information from reliable sources. All data has been verified insofar as possible; however, the consultant can neither guarantee nor be responsible for the accuracy of information provided by others.
2. The consultant shall not be required to give a deposition and/or attend court by reason of this report unless subsequent contractual arrangements are made for in advance, including payment of an additional fee for such services according to our standard fee schedule, adjusted yearly, and terms of the subsequent contract of engagement.
3. Ownership of documents produced passes to the Client only when all fees have been paid. Possession of this report or a copy thereof does not imply right of publication or use for any purpose by any other than the person to whom it is addressed, without the prior expressed written or verbal consent of the consultant.
4. Neither all nor any part of the contents of this report, nor copy thereof, shall be conveyed by anyone, including the client, to the public through advertising, public relations, news, sales, or other media, without the prior expressed written or verbal consent of the consultant, particularly as to value conclusions, identity of the consultant, or any reference to any professional society or institute or to any initialed designation conferred upon the consultant as stated in his qualifications.
5. This report and any values expressed herein represent the opinion of the consultant and the consultant's fee is in no way contingent upon the reporting of a specified value, a stipulated result, the occurrence of a subsequent event, nor upon any finding to be reported.
6. Sketches, diagrams, graphs, drawings and photographs within this report are intended as visual aids and are not necessarily to scale and should not be construed as engineering or architectural reports or surveys.
7. Unless expressed otherwise: 1) information contained in this report covers only those items that were examined and reflects the condition of those items at the time of inspection; and 2) the inspection is limited to visual examination of accessible items without laboratory analysis, dissection, excavation, or probing unless otherwise stated.
8. This report is based on the observations and opinions of Wayne McKee, and does not provide guarantees regarding the future performance, health, vigor, structural stability or safety of the plants described herein. Neither this author nor Acorn Arboricultural Services, Inc. has assumed any responsibility for liability associated with the trees on or adjacent to this project site, their future demise and/or any damage which may result therefrom.