

TREE FENCING SHALL BE A MINIMUM OF 4' METAL DEER FENCE. FENCE SHALL BE LABELED WITH SIGNAGE SHOWN.

SEE CHECKLIST FOR WORK RESTRICTIONS IN THESE AREAS

SOIL ARMORING MAY BE USED IN PLACE OF FENCING IF NECESSARY

Green arrows indicate direction of trunk lean/canopy distribution. Longer arrow indicate a stronger lean.



PROJECT ADDRESS:
200 KEITH WAY
INVERNESS
CA, 94937

ISSUANCE:
PLANNING SUBMISSION 9.1.23

SHEET REVISIONS

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ARBORIST'S CHECKLIST

- An urban forester, certified or consulting arborist shall establish the Tree Protection Zone (TPZ) prior to starting the demolition work. Four-foot-high metal wire deer fencing will be erected by the contractor and inspected by the arborist to limit access to the TPZ. This will protect the trunk and root zone throughout construction.
- The Arborist shall have a pre-demolition meeting with contractor or responsible party and all other foremen or crew managers on site prior to any work to review all work procedures, access and haul routes, and tree protection. The contractor must notify the Arborist if roots are exposed or if trunk or branches are wounded.
- Any trunk and root crown that is not protected by a TPZ where heavy equipment operation is likely to wound the trunk, install a barrel stave-like trunk wrap out of 2 X 4 studs connected together with metal straps, attached to the 2 X 4's with driver screws or 1" nails.
- Storage of equipment shall be as far away from protected trees as possible and optimally on asphalt or ground protected by mulch / plywood.
- Heavy equipment use should be limited around trees and the roots. No equipment may be transported or used on bare ground within the root zone. A 6" layer of mulch (chipped tree debris and other site vegetation or chipped, non-treated lumber) and plywood must be placed under the path for access and egress. The protective "bridge" shall be maintained by the contractor and inspected by the arborist when on site.
- Any damage to trees due to demolition or construction activities shall be reported to the arborist within 6 hours, so that remedial action can be taken. Any damage done to the trees in violation of the contract agreement shall be appraised as a casualty loss by the arborist and provided to the tree owner.
- All trenching within the TPZ shall be done pneumatically or by hand, being careful not to damage any of the bark of any root encountered.
- An arborist shall inspect all grading, trenching, tunneling or other excavation within the root zones of trees prior to backfill.
- No chemicals or other waste materials shall be dumped within 20' of the base of any tree. There shall be no material storage in the TPZ.
- Any tree pruning will be done in accordance with ISA standards. All pruning will be inspected by the arborist.
- The arborist must perform a final inspection to ensure that no unmitigated damage has occurred and to specify any pest, disease or other health care. The arborist shall specify and oversee any necessary restorative actions.
- Any suspected omissions or conflict between various elements of the plan shall be brought to the attention of the arborist and resolved before proceeding with the work.

INSPECTION SCHEDULE

Inspection of site: Prior to Equipment and Materials Move In, Site Work, Demolition and Tree Removal: The Project Arborist will meet with the General Contractor, Architect / Engineer, and Owner or their representative to review tree preservation measures, designate tree removals, delineate the location of tree protection / non-intrusion zone fencing, specify equipment access routes and materials storage areas, review the existing condition of trees and provide any necessary recommendations.

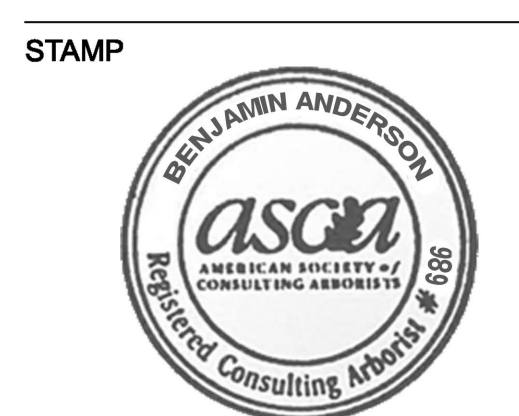
Inspection of site: After installation of fencing: Inspect site for the adequate installation of tree preservation measures. Review any requests by contractor for access, soil disturbance or excavation areas within root zones of protected trees. Assess any changes in the health of trees since last inspection.

Inspection of site: During excavation or any activities that could affect trees: Inspect site during any activity within the Non-Intrusion Zones of preserved trees and any recommendations implemented. Assess any changes in the health of trees since last inspection.

Final Inspection of Site: Inspection of site following completion of construction: Inspect for tree health and make any necessary recommendations.

Tree Number	Species	Scientific Name	Trunk diameter	Health	Structure	Form	Comments	Major Vegetation (permit required)	Impact
1	Coast live oak	<i>Quercus agrifolia</i>	29.5	Good	Good	Good		Yes	
2	Coast live oak	<i>Quercus agrifolia</i>	23	Good	Good	Good	Leans over entry path	Yes	
3	Coast live oak	<i>Quercus agrifolia</i>	20	Good	Good	Fair to good	Leans through fence and over road	Yes	
4	Bishop pine	<i>Pinus muricata</i>	32	Fair to good	Fair	Fair	Some red turpentine beetle activity on trunk. Leans away from home. Old pruning wound at tree base opposite lean.	Yes	Removal
5	Coast live oak	<i>Quercus agrifolia</i>	16 12.5	Good	Good	Fair to good	Two trunks from grade. Leans over proposed addition	Yes	May require significant pruning for building clearance.
6	Coast live oak	<i>Quercus agrifolia</i>	18	Good	Fair to good	Fair	Bows over patio. Decay cavity in one of two main boughs.	Yes	See note on map
7	Coast live oak	<i>Quercus agrifolia</i>	26	Good	Good	Good		Yes	
8	Coast live oak	<i>Quercus agrifolia</i>	22.5	Good	Good	Fair to good	Leans away from home	Yes	
9	Coast live oak	<i>Quercus agrifolia</i>	21.5	Good	Fair to good	Fair	Strong lean away from home	Yes	
10	Coast live oak	<i>Quercus agrifolia</i>	26.5	Fair to good	Fair to good	Fair to good	Leans towards house	Yes	
11	Coast live oak	<i>Quercus agrifolia</i>	20.5	Good	Fair to good	Fair	Strong lean	Yes	
12	Coast live oak	<i>Quercus agrifolia</i>	24	Good	Good	Fair to good	Slight lean	Yes	
13	Coast live oak	<i>Quercus agrifolia</i>	21	Good	Fair to good	Fair	Formerly an interior tree but all the other trees around it died. Leans away from property.	Yes	Removal
14	Pacific madrone	<i>Arbutus menziesii</i>	12.5	Fair	Fair to good	Poor to fair			Removal
15	Coast live oak	<i>Quercus agrifolia</i>	20.5	Fair to good	Good	Good		Yes	
16	Pacific madrone	<i>Arbutus menziesii</i>	~36	Poor	Poor to fair	Very poor	Previously fell over from the roots but remains barely alive		Removal
17	Coast live oak	<i>Quercus agrifolia</i>	8	Good	Poor	Good	Growing from the root ball of the failed madrone		Removal

DRAWING CONTENT
TREE PROTECTION PLAN



JOB NUMBER: 2209.00
SCALE: As Noted

Ben Anderson, Urban Forester
ISA Board Certified Master Arborist & TRAQ
RCA # 686, WE #10160B

DRAWING NUMBER