

TO: JAMES L. APP, CITY MANAGER
FROM: ED GALLAGHER, COMMUNITY DEVELOPMENT DIRECTOR
SUBJECT: OTR 11-007 - REQUEST TO REMOVE 68 OAK TREES FOR THE VINA ROBLES AMPHITHEATER PROJECT (VINA ROBLES, INC.)
DATE: AUGUST 16, 2011

Needs: For the City Council to consider a proposal by Vina Robles, Inc. to remove 68 oak trees on the property located at 3700 Mill Road (See attached Vicinity Map, Exhibit 1).

- Facts:**
1. This is a request to remove 68 oak as part of the applications (Planned Development Amendment 02-002 and Conditional Use Permit 11-004) to develop an amphitheater at Vina Robles.
 2. The project requires removal of 68 oak trees (2 are dead) for grading land within an oak woodland area for the construction of an outdoor amphitheater and seating area, associated ancillary buildings, parking lot, and 10 duplex bungalow units.
 3. The site has an extensive oak woodland area with hundreds of oak trees located on it. The proposed project has been designed to avoid as many oak trees as possible, and recognition that existing trees provide a natural project amenity.
 4. Most of the proposed tree removals are relatively young (less than 20 years old), small and of mediocre health and aesthetic quality.
 5. In conjunction with its review of the project on July 26, 2011, the Planning Commission adopted a Mitigated Negative Declaration which identified the proposed removals as a potentially significant environmental impact. However, with mitigation measures incorporated, the removal of the trees would not result in significant impacts. (See attached Oak Tree Report, Exhibit 2).
 6. For the trees #1 and #225, the Community Development Director determined that they are “clearly dead or diseased beyond correction,” and that the trees should be removed, and do not require mitigation.

**Analysis
And**

Conclusion: The arborist report indicates that 256 oak trees were surveyed within the project impact area. The arborist notes that the project was modified during

the design phase of the project to reduce potential oak tree removals from 136 to 68, including the 2 dead trees.

According to Section 10.01.050.D, there are several factors that the City Council needs to review when considering the removal of oak trees. These factors along with Staff's analysis of each factor are listed below:

D. If a request is being made to remove one or more healthy oak trees for which a permit to remove is required, the director shall prepare a report to the City Council, outlining the proposal and his recommendation, considering the following factors in preparation of his recommendation.

- 1. The condition of the oak trees with respect to its general health, status as a public nuisance, danger of falling, proximity to existing or proposed structures, interference with utility services, and its status as host for a plant, pest or disease endangering other species of trees or plants with infection or infestation;*

Chip Tamagni from A&T Arborists submitted a report with the project on October 21, 2010. The report describes the health of the trees. The report provides a tree rating system to gauge general health and condition, with "0" indicating a tree is dead, and a scale of 1-10, with 10 being the best health. The report notes that of the 68 trees proposed to be removed, two are dead, one tree is rated "1"; four trees are rated "2"; 32 trees are rated "3"; 27 trees are rated "4"; and two trees are rated "5". Thus, most trees are rated between 3 and 4.

- 2. The necessity of the requested action to allow construction of improvements or otherwise allow reasonable use of the property for the purpose for which it has been zoned. In this context, it shall be the burden of the person seeking the permit to demonstrate to the satisfaction of the director that there are no reasonable alternatives to the proposed design and use of the property. Every reasonable effort shall be made to avoid impacting oak trees, including but not limited to use of custom building design and incurring extraordinary costs to save oak trees;*

The proposed amphitheater is oriented to take advantage a natural "bowl" feature on the landscape. This is important for acoustics and guest seating. This is where a majority of the oak tree removals are proposed. The original site plan was redesigned to reduce oak tree removals from 136 to 68. The applicant understands that the oak trees provide value to the property and enhance the aesthetic quality, and have designed their project to reduce the need to remove trees to the extent possible.

- 3. The topography of land, and the potential effect of the requested tree removal on soil retention, water retention, and diversion or increased flow of surface waters. The*

director shall consider how either the preservation or removal of the oak tree(s) would relate to grading and drainage. Except as specifically authorized by the planning commission and city council, ravines, stream beds and other natural water-courses that provide a habitat for oak trees shall not be disturbed;

The project will require considerable grading to re-contour the terrain to meet the design configuration of the amphitheater. Minimal grading would be required for the hotel, bungalows, and parking lot. Excess soil will be incorporated on the site primarily within the parking lot area. The site has been designed to not impact existing drainages courses on the far eastern side of the property. The project specifically incorporates low-impact development (LID) storm water drainage features to retain water on the site, and drain into the soil. The impermeable improvements around the stage seating areas, concourses, parking areas, and walkways are designed to provide surface flow to landscape areas and to below grade collection systems.

4. *The number, species, size and location of existing trees in the area and the effect of the requested action on shade areas, air pollution, historic values, scenic beauty and the general welfare of the city as a whole;*

The existing property includes an extensive oak woodland located on the eastern area of the site with hundreds of oak trees, plus a few oak trees scattered around the property. The proposed oak tree removals will require oak tree replacement mitigation of approximately 166 inches (dbh) of tree replacements. Most of the removals are small and young. The replacements (at maturity) will adequately mitigate potential air quality and scenic impacts that may result from the removals, including benefits such as sequestration of air pollution, oxygen production, restoration of wildlife habitat, and restoration of natural scenic beauty. Given the scale of the oak woodland, the removal of 68 oak trees would not result in a noticeable reduction of trees on the site, as seen from the public right-of-way. Therefore, it is not anticipated that the removal of these trees (with mitigation) will significantly impact environmental resources or the aesthetic quality of the site.

5. *Good forestry practices such as, but not limited to, the number of healthy trees the subject parcel of land will support.*

Of the 68 trees that would be removed, there are hundreds of other trees that would be preserved and improved with tree trimming and other measures to restore the health of remaining trees. If the site cannot reasonably accommodate the planting of the oak tree replacements, the applicant shall work with the City to identify other, more suitable locations to plant them.

Policy

Reference: Paso Robles Municipal Code Section 10.01.010 (Oak Tree Ordinance)

Fiscal

Impact: None.

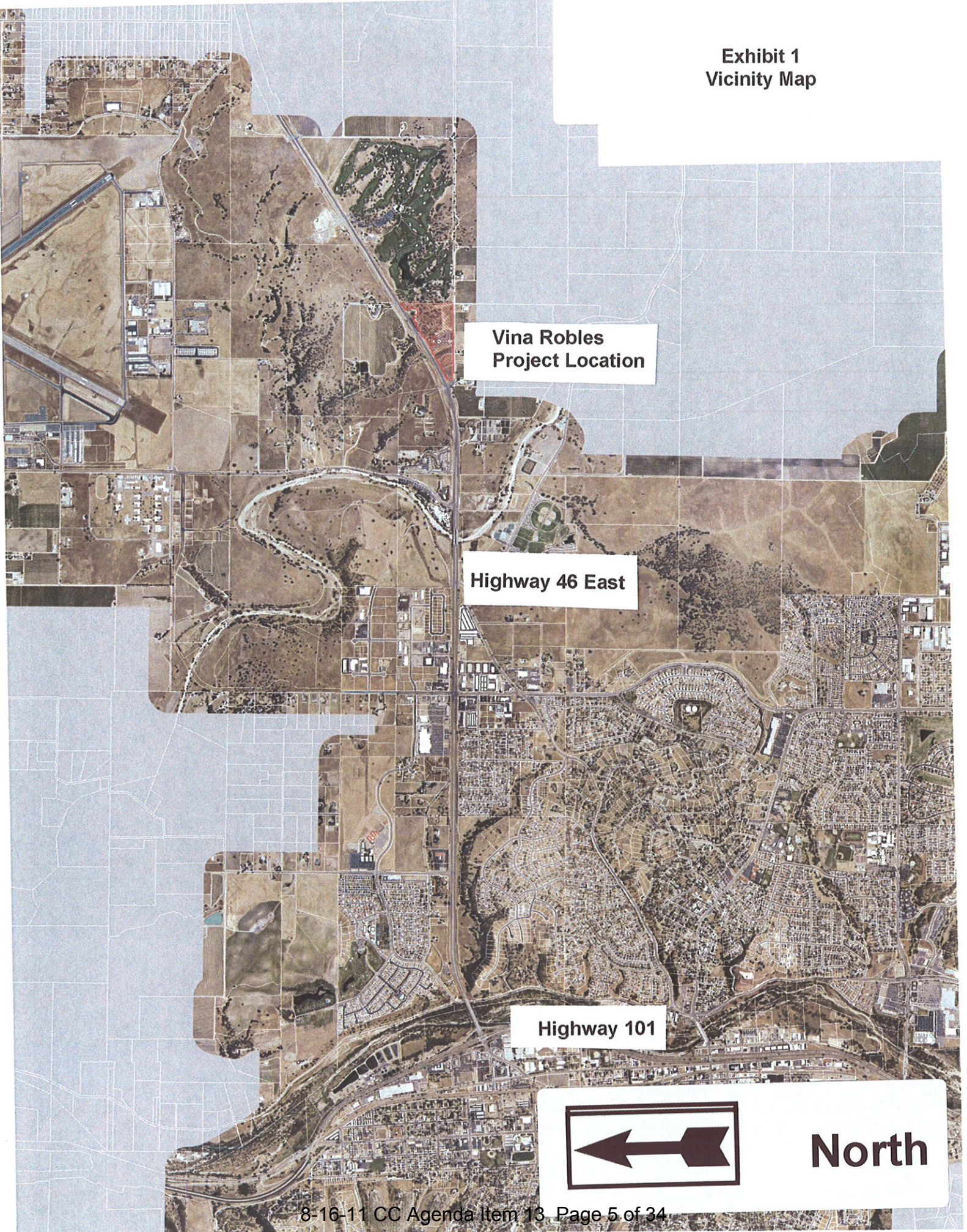
- Options:**
- A. Adopt Resolution No. 11-XX approving OTR 11-007, allowing the removal of the 68 oak trees with oak tree replacement required.
 - B. Amend, modify or reject the above options.

Staff Report prepared by Susan DeCarli.

Exhibits:

1. Vicinity Map
2. Tree Location Map
3. Arborist Report
4. Resolution to approve the Oak Tree Removals

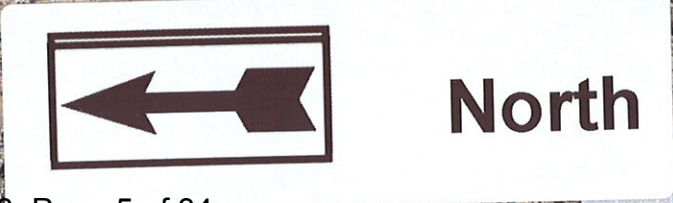
**Exhibit 1
Vicinity Map**



**Vina Robles
Project Location**

Highway 46 East

Highway 101



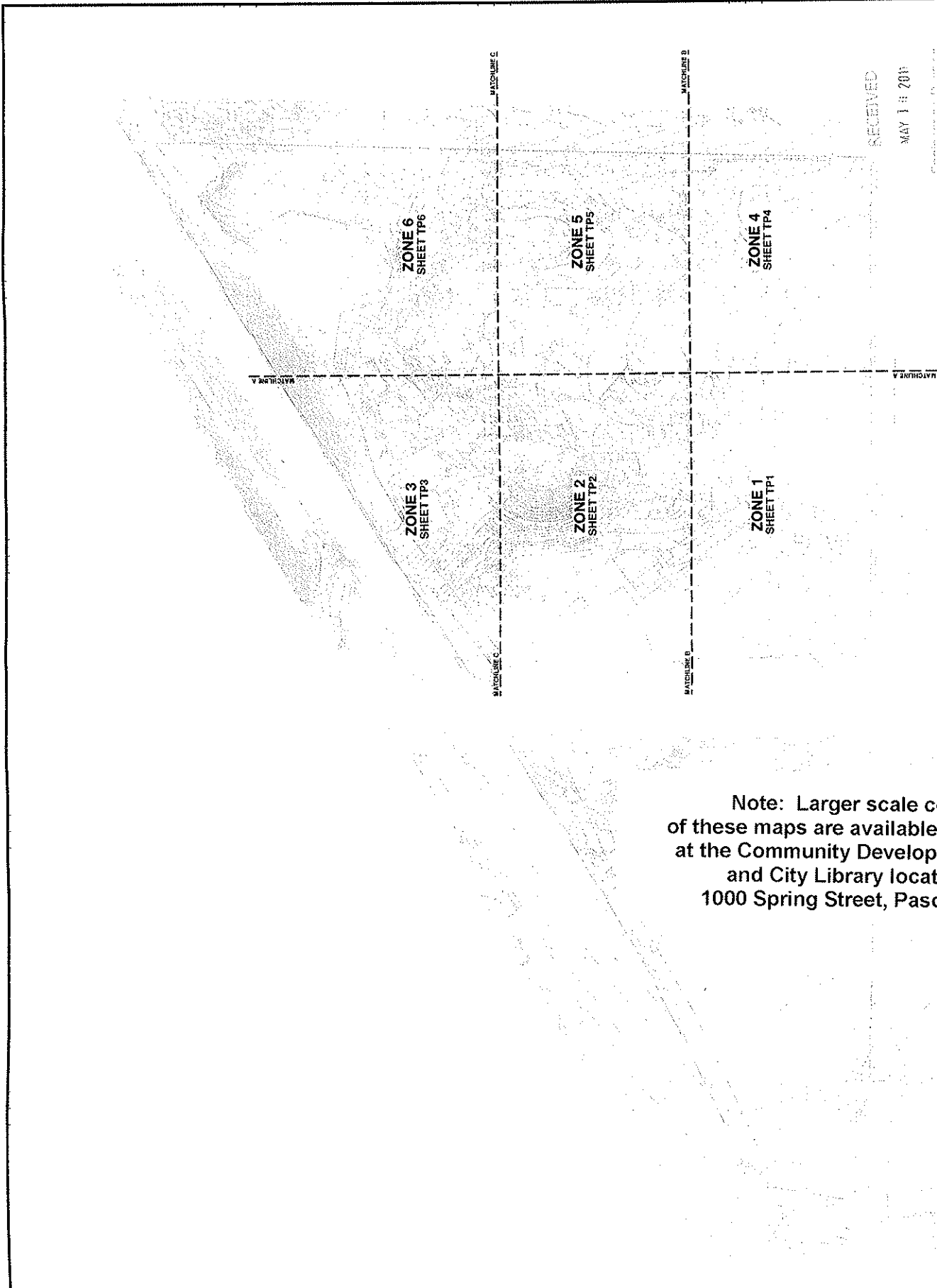
Project:
 VINA ROBLES
 MILL ROAD
 HOSPITALITY CENTER
 AMPHITHEATRE

Client:
 VINA ROBLES, INC
 3700 MILL ROAD
 PASO ROBLES, CA

Scale:
 1" = 100'

PO BOX 680
 PASO ROBLES
 CA 93421

**Exhibit 2
 Tree Location Map**



RECEIVED
 MAY 18 2011

**Note: Larger scale copies
of these maps are available for viewing
at the Community Development Dept.
and City Library located at:
1000 Spring Street, Paso Robles**

These drawings are a summary of information provided by the client and are not intended to be a final design. The client is responsible for providing accurate information and for obtaining all necessary permits and approvals. The client is also responsible for providing all necessary information for the design and construction of the project. The client is also responsible for providing all necessary information for the design and construction of the project.

Project: VINA ROBLES
 MILL ROAD
 HORTICULTURE CENTER
 AMPHITHEATRE
 3700 MILL ROAD
 PASO ROBLES, CA

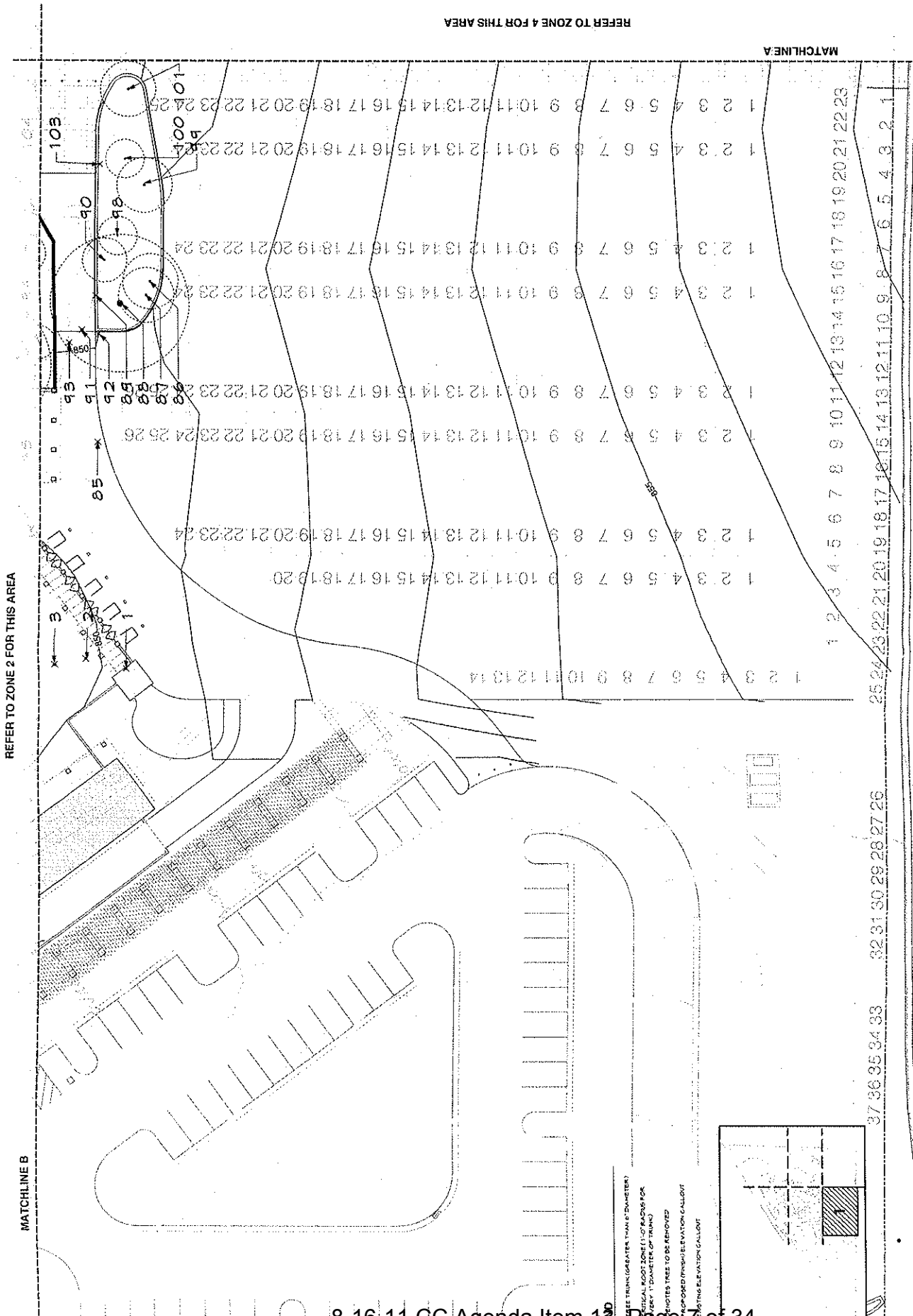
Client: VINA ROBLES, INC.
 PO BOX 689
 PASO ROBLES
 CA 94047
 (805) 227-4812

Sheet Contents:
 ENLARGED TREE PLAN
 ZONE 1



Date: 20 Oct '10
 Revised:

10/1/10



REFER TO ZONE 4 FOR THIS AREA

REFER TO ZONE 2 FOR THIS AREA

SEE TRUNK (GREATER THAN 6" DIAMETER)
 LEGAL ROOT ZONE (1'-0" RADII) FOR
 EACH TREE (KEY 1" DIAMETER OF TRUNK)
 UNNOTED TREES TO BE REMOVED
 PROPOSED FINISH ELEVATION GALLOUT
 EXISTING ELEVATION GALLOUT



Project: VINA ROBLES, INC.
 HOSPITALITY CENTER
 AMPHITHEATRE
 3700 HILL ROAD
 PASO ROBLES, CA
 Client: VINA ROBLES, INC.
 PO BOX 686
 PASO ROBLES, CA 94247
 (805) 271-4812
 Tree Count: ENLARGED TREE PLAN
 ZONE 2
 Date: 20 OCT 10
 Revised:

Project: VINA ROBLES, INC.
 HOSPITALITY CENTER
 AMPHITHEATRE
 3700 HILL ROAD
 PASO ROBLES, CA
 Client: VINA ROBLES, INC.
 PO BOX 686
 PASO ROBLES, CA 94247
 (805) 271-4812
 Tree Count: ENLARGED TREE PLAN
 ZONE 2

Project: VINA ROBLES, INC.
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 AMPHITHEATRE
 3700 HILL ROAD
 PASO ROBLES, CA
 Client: VINA ROBLES, INC.
 PO BOX 686
 PASO ROBLES, CA 94247
 (805) 271-4812
 Tree Count: ENLARGED TREE PLAN
 ZONE 2

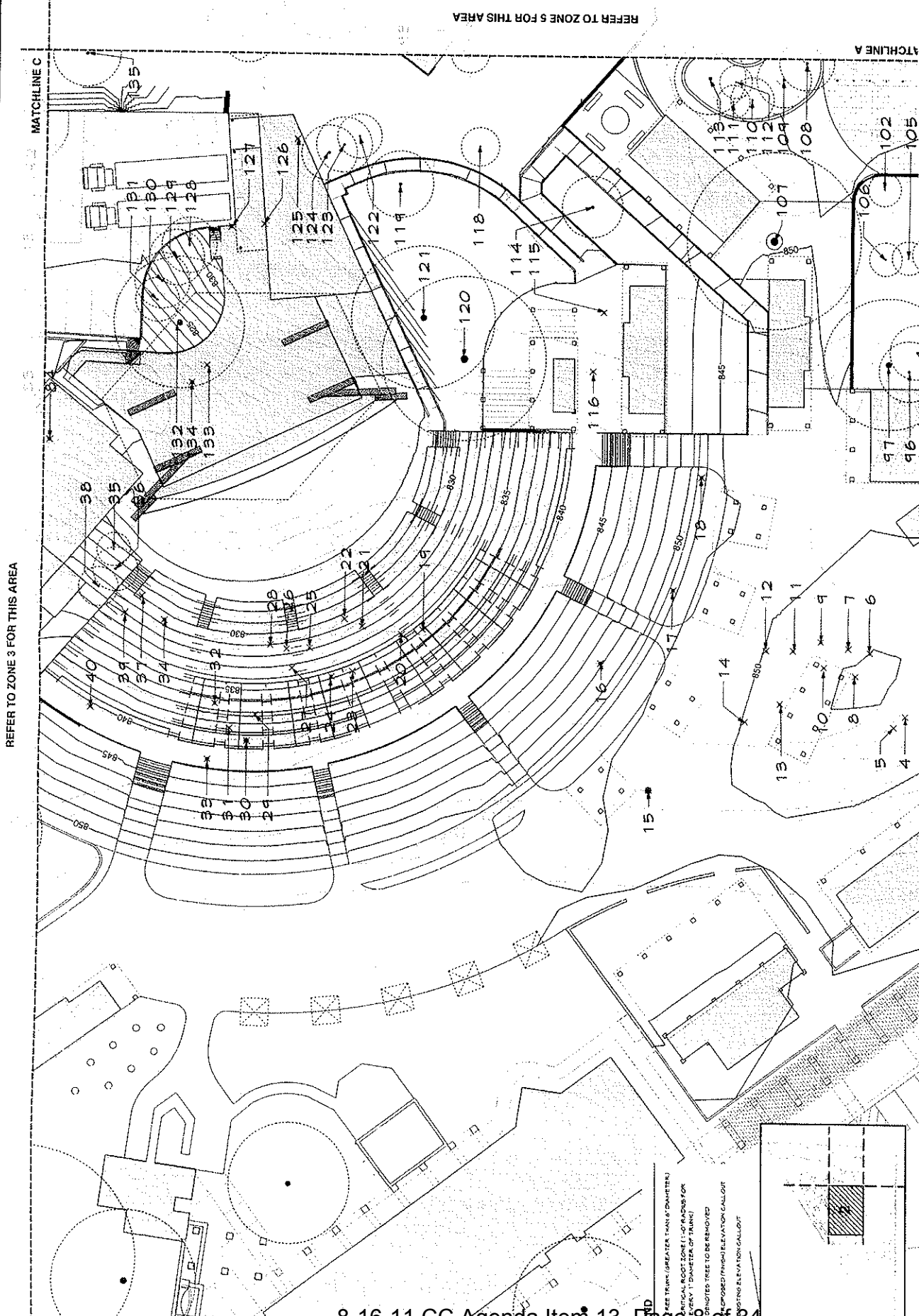
Project: VINA ROBLES, INC.
 HOSPITALITY CENTER
 AMPHITHEATRE
 3700 HILL ROAD
 PASO ROBLES, CA
 Client: VINA ROBLES, INC.
 PO BOX 686
 PASO ROBLES, CA 94247
 (805) 271-4812
 Tree Count: ENLARGED TREE PLAN
 ZONE 2

Project: VINA ROBLES, INC.
 HOSPITALITY CENTER
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 3700 HILL ROAD
 PASO ROBLES, CA
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 PO BOX 686
 PASO ROBLES, CA 94247
 (805) 271-4812
 Tree Count: ENLARGED TREE PLAN
 ZONE 2

Project: VINA ROBLES, INC.
 HOSPITALITY CENTER
 AMPHITHEATRE
 3700 HILL ROAD
 PASO ROBLES, CA
 Client: VINA ROBLES, INC.
 PO BOX 686
 PASO ROBLES, CA 94247
 (805) 271-4812
 Tree Count: ENLARGED TREE PLAN
 ZONE 2



Date: 20 OCT 10
 Revised:



REFER TO ZONE 3 FOR THIS AREA

REFER TO ZONE 5 FOR THIS AREA

These drawings are prepared by the undersigned and are based on information furnished by the client. The undersigned does not warrant the accuracy or completeness of the information furnished. The undersigned is not responsible for any errors or omissions in these drawings. The undersigned is not responsible for any delays or interruptions in the performance of the services. The undersigned is not responsible for any damages or losses of any kind. The undersigned is not responsible for any claims or lawsuits of any kind. The undersigned is not responsible for any claims or lawsuits of any kind. The undersigned is not responsible for any claims or lawsuits of any kind.

**VINA ROBLES
 HOSPITALITY CENTER
 AMPHITHEATRE**

3700 MILL ROAD
 PASO ROBLES, CA

VINA ROBLES, INC

PO BOX 598
 PASO ROBLES
 CA 94447
 (805) 227-4812

Stack Contractor
 ENLARGED TREE PLAN
 ZONE 3

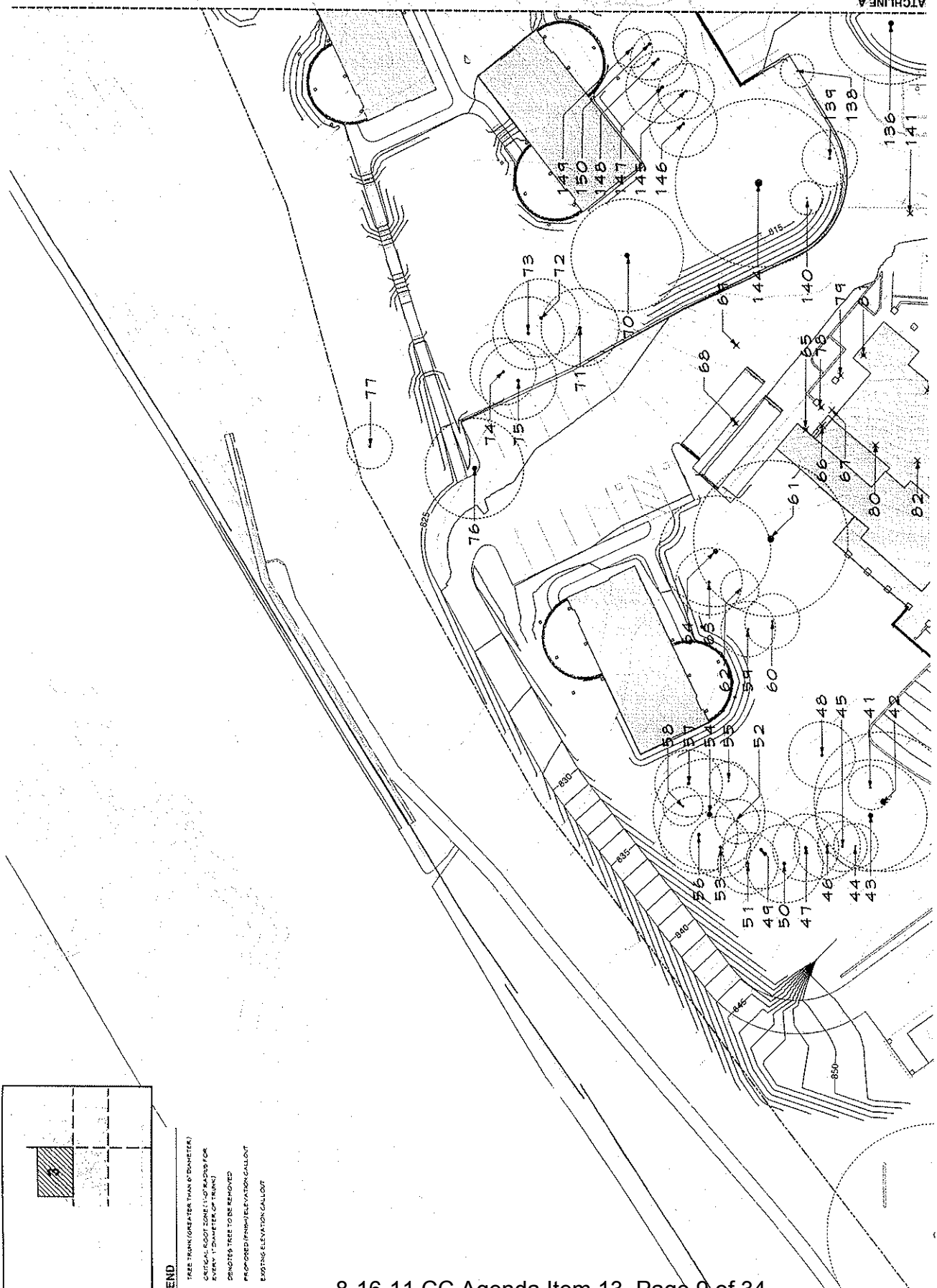


Date: 30 OCT 10
 Revised:

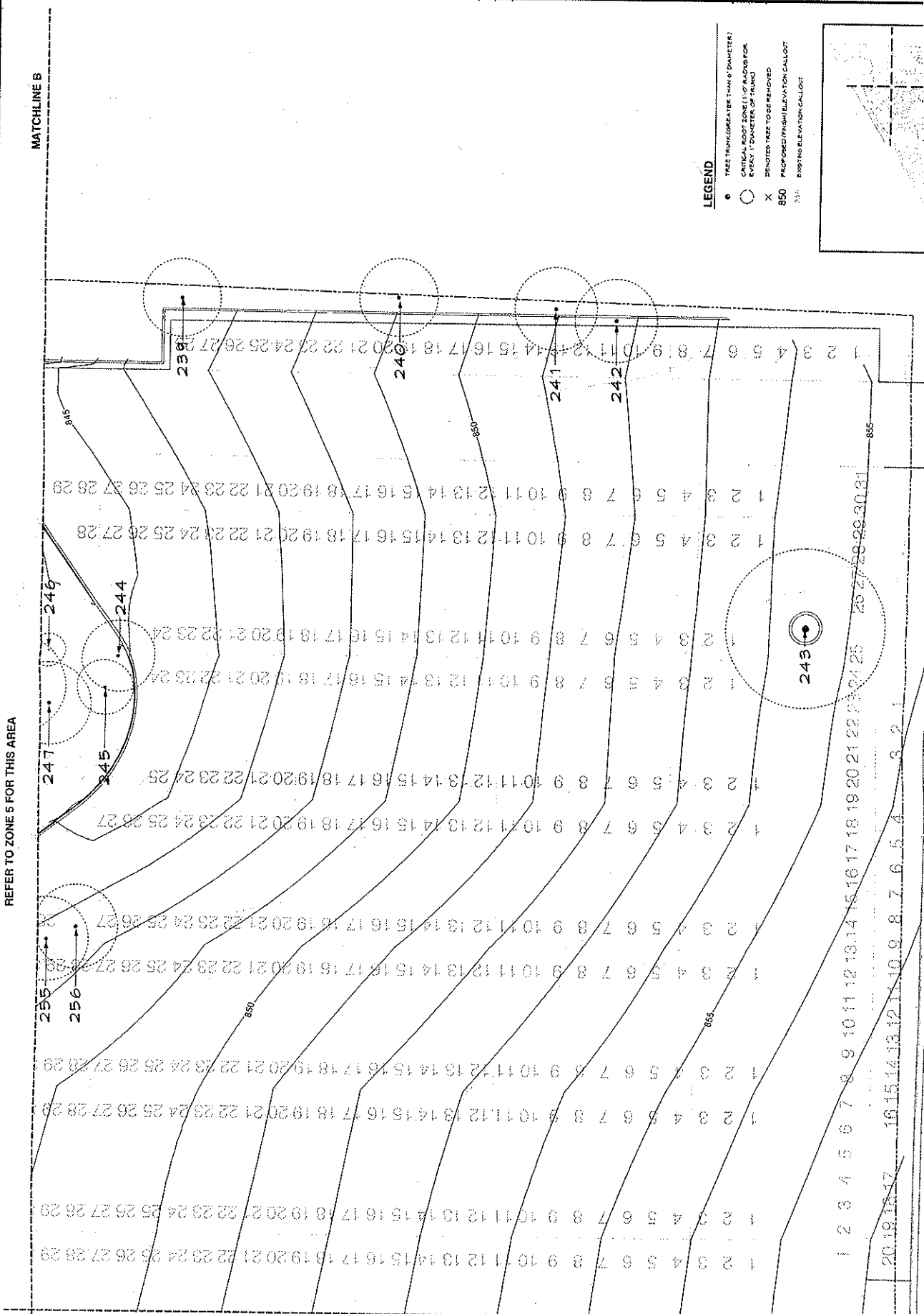
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REFER TO ZONE 6 FOR THIS AREA

ATLINE A



- LEGEND**
- TREE TRUNK (GREATER THAN 6" DIAMETER)
 - CRITICAL ROOT ZONE (1.0 FOOT RADII FROM EVERY 1" DIAMETER OF TRUNK)
 - X DENOTES TREE TO BE REMOVED
 - 50 PROPOSED (FINISH) ELEVATION CALLOUT
 - EXISTING ELEVATION CALLOUT



Architect: Planning & Graphics
 2700 E. 12th Street, Suite 108
 San Diego, California 92108
 Tel: 619-591-4371
 Fax: 619-591-4374
 Email: info@pulits.com
 Their drawings are a representation of work to be done and are not a contract. The client is responsible for the accuracy of the information provided. The client is responsible for the accuracy of the information provided. The client is responsible for the accuracy of the information provided.

VINA ROBLES
 HOSPITALITY CENTER
 AMPHITHEATRE

3705 MILL ROAD
 PASO ROBLES, CA

VINA ROBLES, INC
 Client:

PO BOX 699
 PASO ROBLES
 CA 93447
 (805) 227-4812

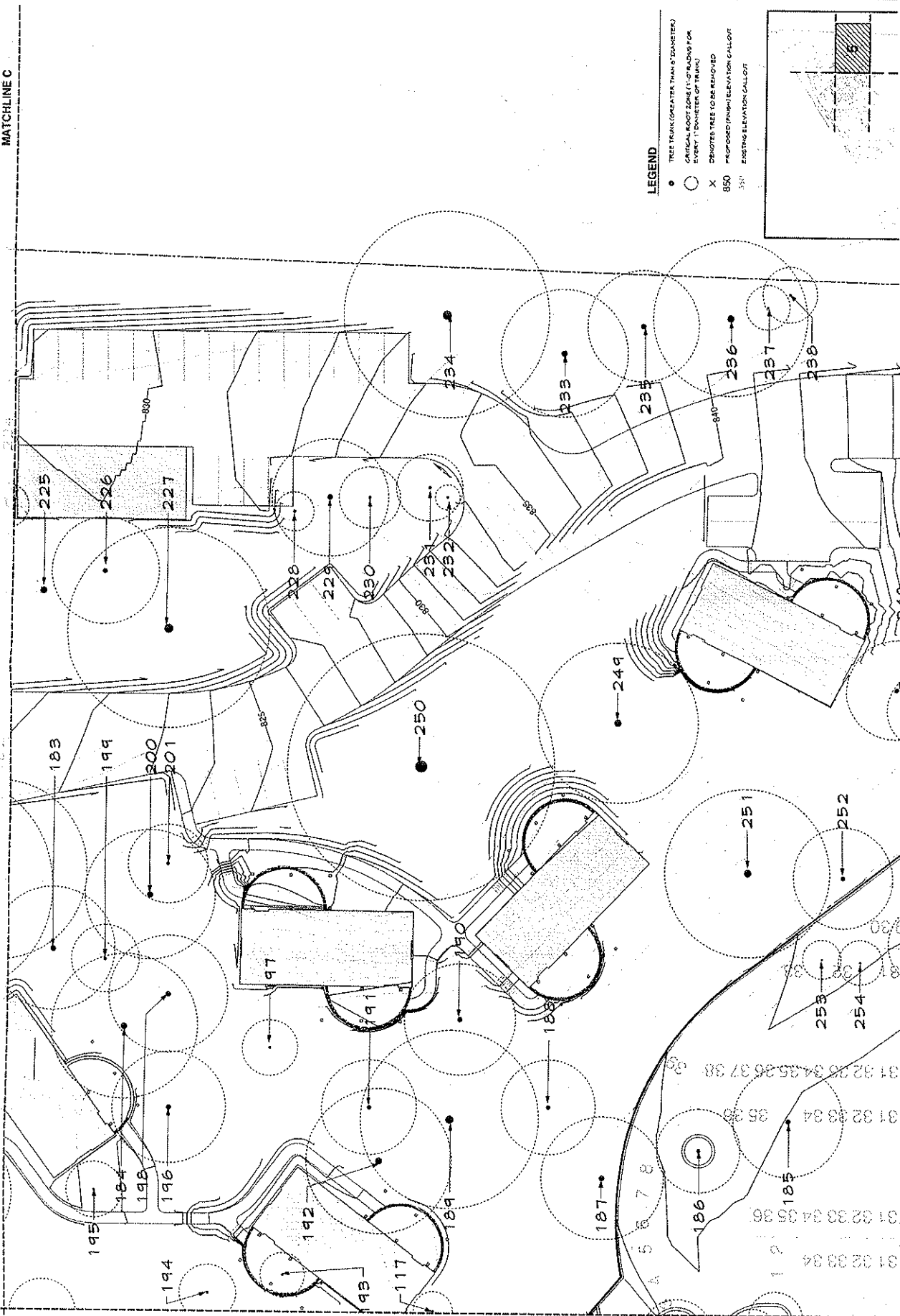
Street Computer:
 ENLARGED TREE PLAN
 ZONE 5



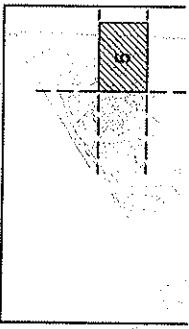
Date: 20 OCT 10
 Revised:

MATCHLINE C

REFER TO ZONE 6 FOR THIS AREA



- LEGEND**
- TREE TRUNK GREATER THAN 8" DIAMETER
 - CENTRAL POINT (OR) LOCATION FOR EVERY 1" DIAMETER OF TRUNK
 - X DENOTES TREE TO BE REMOVED
 - 850 PROPOSED (PMPH) ELEVATION CALLOUT
 - 33' EXISTING ELEVATION CALLOUT



MATCHLINE A

Project:
 VINA ROBLES
 HOSPITALITY CENTER
 AMPHITHEATRE

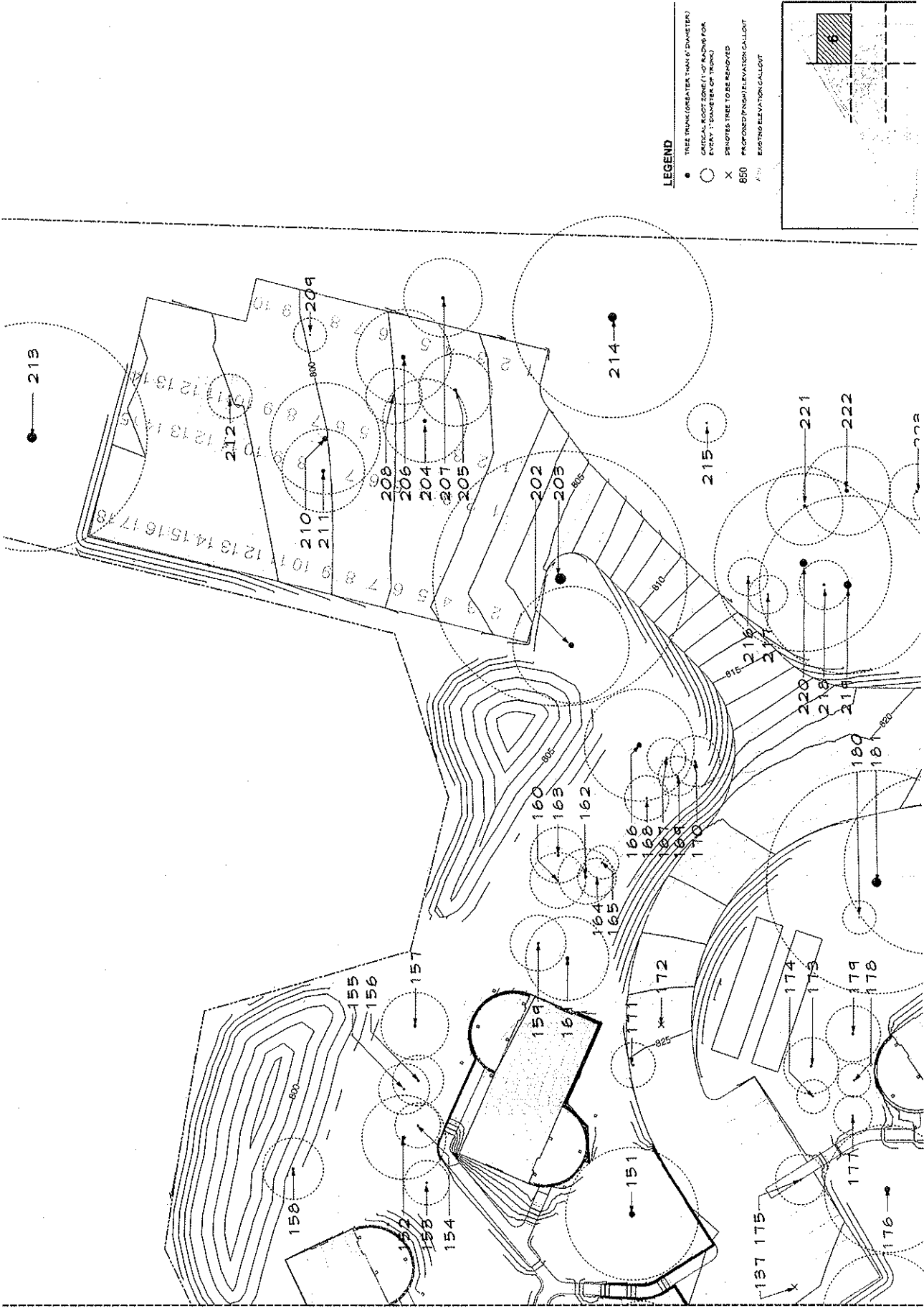
Client:
 VINA ROBLES, INC
 PO BOX 889
 PASO ROBLES
 CA 95664
 (866) 227-4812

Scale:
 ENLARGED TREE PLAN
 ZONE E

Date:
 20 OCT 10



Sheet:
 78-70



MATCHLINE A

A & T ARBORI

P.O. BOX 1311 TEMPLETON, CA 93465 (8

Exhibit 3
Arborist Report

**Tree Preservation Plan
For**

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OCT 21 2010

Vina Robles Amphitheatre

Engineering Division

**Prepared by A & T Arborists
and Vegetation Management**

Chip Tamagni
Certified Arborist #WE 6436-A

Steven Alvarez
Certified Arborist #WE 511-A

Tract # _____

PD # _____

Building Permit # _____

Project Description: This project is in regard to the development of the Vina Robles Amphitheatre adjacent to the existing tasting room on Mill Road in Paso Robles. The improvements would consist of constructing the platform and seating area, auxiliary buildings, overnight visitor facilities, road base parking lots, and access roads. The site consists of rolling grasslands with many age classes of blue oaks (*Quercus douglasii*) ranging from young seedlings to mature trees 100+ years old. For unknown reasons, this property was not historically grazed which resulted in the very dense stands of young trees compared to neighboring properties with only mature trees.

The initial tree survey included 256 trees that measured six inches to over 30 inches in diameter per the City of Paso Robles Oak Tree Ordinance. The initially proposed improvements would have required the removal of 136 of these trees. Through plan changes completed by the architect, Steven D. Pults and Associates, the removal number was drastically reduced to 68 trees with two of those being completely dead from unknown, natural causes. The diameter of the deceased trees are 11 and 26 inches. The vast majority of proposed removals are relatively young (<20 years old) trees. The total diameter of live trees to be removed is 662 inches. The replacement ratio would equal 166 inches. Some of the trees could be replaced on site and others would be planted on another property under the same ownership at the edge of current city limits adjacent to Barney Swartz Park.

Specific Mitigations Pertaining to the Project: It will be the owner or their designee's responsibility to distribute this report to any and all contractors working on this project. We highly recommend a sign off sheet verifying each contractor has received, read and understood all the mitigation measures listed. The arborists will gladly answer each and every question a contractor has in regards to their work. The project will consist of grading, filling and trenching in the critical root zone of many trees. The arborist monitoring shall be extensive and well documented throughout the construction process. The most important factor that relates to saving impacted trees is an excellent line of open communication between the project arborists and the grading contractor. Grading contractor attendance at the pre-construction meeting is absolutely mandatory. Any impacts that are completed by any contractor to trees that required monitoring per this report will result in bonding the appraised value of the tree for a period of three years by that contractor.

We anticipate the construction will be completed in phases or areas. For each area, tree removal shall happen first. The removals shall not be pushed over with heavy equipment as there are many trees in close proximity that will be preserved. In addition, stumps from removed trees shall be routed/ground if they are within 20 feet of a saved tree. This is required so as not to damage the root system of saved trees. Many trees slated to remain will need clearance pruning for improvements. This pruning shall take place during or right after the tree removal process. Many of the avoided trees exist in clusters and access will be a driving factor with this work. Weight reduction and aesthetic pruning of these trees can occur at any time in the construction process.

Once the removals and clearance pruning is complete, tree fencing shall be installed. The fencing shall be installed per the specifications outlined in the standard mitigations listed later in this report. Absolutely no grading work can commence on any portion of the project until that area is properly fenced and the City of Paso Robles is notified by the

project arborist that the fencing is adequate. After that time, grading can occur with proper arborist monitoring. Other than a licensed tree trimming contractor with a certified arborist on staff, no other contractor is allowed to prune, break or remove any portion of a saved tree. Any damage deemed significant by the project arborist will result in appraising the damage and reporting it to the owner at the cost of the neglecting contractor. All contractors shall understand that the saved trees on this property represent a very significant monetary value to the property and any unapproved impacts are not acceptable.

The term “critical root zone” or CRZ is an imaginary circle around each tree. The radius of this circle (in feet) is equal to the diameter (in inches) of the tree. For example, a 10 inch diameter tree has a critical root zone with a ten foot radius from the tree. Working within the CRZ usually requires mitigations and/or monitoring by a certified arborist.

All trees potentially impacted by this project are numbered and identified on both the tree plan and the spreadsheet. Trees are numbered on the exhibits and with a corresponding aluminum tag in the field. Tree protection fencing shall be shown on the grading plan. In the field oak trees to be saved have yellow tape and trees to be removed have red tape attached to the tag. Critical root zones are outlined on the tree exhibit and grading plan.

The pruning that is necessary for building, road or driveway clearance that consists of removal of limbs larger than 6 inches in diameter will require a city approved permit along with a deposit paid in advance (to the City of Paso Robles). The city will send out a representative to approve the permit. Only 25% of the live crown may be removed. The cost of the pruning permit is \$50.00 and that covers the entire project.

Tree Rating System

A rating system of 1-10 was used for visually establishing the general health and condition of each tree on the spreadsheet. The rating system is defined as follows:

<u>Rating</u>	<u>Condition</u>
0	Deceased
1	Evidence of massive past failures, extreme disease and is in severe decline.
2	May be saved with attention to class 4 pruning, insect/pest eradication and future monitoring.
3	Some past failures, some pests or structural defects that may be mitigated by class IV pruning.
4	May have had minor past failures, excessive deadwood or minor structural defects that can be mitigated with pruning.
5	Relatively healthy tree with little visual, structural and/or pest defects and problems.
6	Healthy tree that probably can be left in its natural state.
7-9	Has had proper arboricultural pruning and attention or have no apparent structural defects.

Specimen tree with perfect shape, structure and foliage in a protected setting (i.e. park, arboretum).

The tree condition rating will actually rise with the pruning and care of many of the trees site once the construction is complete.

Aesthetic quality on the spreadsheet is defined as follows:

- **poor** - tree has little visual quality either due to severe suppression from other trees, past pruning practices, location or sparse foliage
- **fair** - visual quality has been jeopardized by utility pruning/obstructions or partial suppression and overall symmetry is average
- **good** - tree has good structure and symmetry either naturally or from prior pruning events and is located in an area that benefits from the trees position
- **excellent** - tree has great structure, symmetry and foliage and is located in a premier location. Tree is not over mature.

The following mitigation measures/methods must be fully understood and followed by anyone working within the critical root zone of any native tree. Any necessary clarification will be provided by us (the arborists) upon request.

It is the responsibility of the **owner or project manager** to provide a copy of this tree protection plan to any and all contractors and subcontractors that work within the critical root zone of any native tree and confirm they are trained in maintaining fencing, protecting root zones and conforming to all tree protection goals. It is highly recommended that each contractor sign and acknowledge this tree protection plan.

Any future changes (within the critical root zones) in the project will need project arborist review and implementation of potential mitigation measures before any said changes can proceed.

Fencing: The fencing must be a minimum of 4' high chain link, snow or safety fence staked (with t posts 8-10 feet on center) at the edge of the critical root zone or line of encroachment for each tree or group of trees. The fencing shall be up before any construction or earth moving begins for a given area. The owner or their designee shall be responsible for maintaining an erect fence throughout the construction period. The arborist(s), upon notification, will inspect the fence placement once it is erected. After this time, fencing shall not be moved without arborist inspection/approval. If the orange plastic fencing is used, a minimum of four zip ties shall be used on each stake to secure the fence. All efforts shall be made to maximize the distance from each saved tree that has critical root zone encroachment. Weather proof signs shall be permanently posted on the fences every 50 feet, with the following information:

Tree Protection Zone

No personnel, equipment,
materials or vehicles are
allowed

Do not remove or re-position
this fence without approval by:
A & T Arborists
434-0131

Soil Aeration Methods: Soils within the critical root zone that have been compacted by heavy equipment and/or construction activities must be returned to their original state before all work is completed. Methods include water jetting, adding organic matter, and boring small holes with an auger (18" deep, 2'-3' apart with a 2"-4" auger) and the application of moderate amounts of Actagro Structure fertilizer. The arborist(s) shall advise.

Chip Mulch: All areas within the critical root zone of the trees that cannot be fenced shall receive a 4"-6" layer of chip mulch to retain moisture, soil structure and reduce the effects of soil compaction. This will include areas under proposed decks on the site.

Trenching Within Critical Root Zone: All trenching within the critical root zone of native trees shall be **hand dug**. All major roots shall be avoided whenever possible. All exposed roots larger than 1" in diameter shall be clean cut with sharp pruning tools and not left ragged. A **mandatory** meeting between the arborists and grading/trenching contractor(s) must take place prior to starting work. The contractor should be prepared to route piping or conduit under larger roots.

Grading Within The Critical Root Zone: Grading shall not encroach within the critical root zone unless authorized by the project arborist. Grading should not disrupt the normal drainage pattern around the trees. Fills shall not create a ponding condition and excavations should not leave the tree on a rapidly draining mound.

Exposed Roots: Any exposed roots shall be re-covered the same day they were exposed. If they cannot, they must be covered with burlap or another suitable material and wetted down 2x per day(which includes weekends) until re-buried.

Equipment Operation: Vehicles and all heavy equipment shall not be driven under the trees, as this will contribute to soil compaction. Also there is to be no parking of equipment or personal vehicles in these areas. All areas behind fencing are off limits unless pre-approved by the arborist.

Existing Surfaces: The existing ground surface within the critical root zone of all oak trees shall not be cut, filled, compacted or pared, unless shown on the grading plans **and** approved by the arborist.

Construction Materials And Waste: No liquid or solid construction waste shall be dumped on the ground within the critical root zone of any native tree. The critical root zone areas are not for storage of materials either.

Arborist Monitoring: An arborist shall be present for selected activities (trees identified on spreadsheet and items bulleted below): The monitoring does not necessarily have to be continuous but observational at times during these activities. It is the responsibility of the **owner(s) or their designee** to inform the arborist(s) 48 hours prior to these events so we can make arrangements to be present. All monitoring will be documented on the field report form which will be forwarded to the project manager and the City of Paso Robles Planning Department.

- _ pre-construction fence placement inspection
- _ all grading, filling and trenching identified on the spreadsheet
- _ any other encroachment the arborist feels necessary

Pre-Construction Meeting and Final Occupancy Letter: An on-site pre-construction meeting with the Arborist(s), Owner(s), Planning Staff, and the earth moving team shall be required for this project. Prior to final occupancy, a letter from the arborist(s) shall be required verifying the health/condition of all impacted trees and providing any recommendations for any additional mitigation. The letter shall verify that the arborist(s) were on site for all grading and/or trenching activity that encroached into the critical root zone of the selected native trees, and that all work done in these areas was completed to the standards set forth above.

Pruning Class I pruning consists of aesthetic pruning including removing major dead wood and thinning to reduce wind resistance. Class 4 pruning consists of reduction of tops, sides or individual limbs. A trained arborist shall perform all pruning. As stated above, a certified arborist shall be on staff and make regular visits to the site to assure pruning is being completed in a proper manner. No pruning shall take more than 25% of the live crown of any native tree unless for hazardous purposes and approved by the project arborist. Any trees that may need pruning for road/building clearance shall be pruned **prior** to any grading activities to avoid any branch tearing.

Landscape: All landscape within the critical root zone shall consist of drought tolerant or native varieties. Lawns shall be avoided. All irrigation trenching shall be routed around critical root zones, otherwise above ground drip-irrigation shall be used. It is the owner's responsibility to notify the landscape contractor regarding this mitigation.

Utility Placement: All utilities, sewer and storm drains shall be placed down the roads and driveways and when possible outside of the critical root zones. The arborist shall supervise trenching within the critical root zone. **All trenches in these areas shall be exposed by air spade or hand dug with utilities routed under/over roots larger than 3 inches in diameter.**

Fertilization and Cultural Practices: As the project moves toward completion, the arborist(s) may suggest either fertilization and/or mycorrhiza applications that will benefit tree health. Mycorrhiza offers several benefits to the host plant, including faster growth, improved nutrition, greater drought resistance, and protection from pathogens. Heavily impacted trees may required systemic fungicide and/or insecticide applications to assist in survival.

The included spreadsheet includes trees listed by number, species, multiple stems if applicable, scientific name, diameter at breast height (4.5'), condition (scale from poor to excellent), status (avoided, impacted, removed, exempt), percent of critical root zone impacted, mitigation required (fencing, root pruning, monitoring), construction impact (trenching, grading), recommended pruning, aesthetic value, individual tree notes and canopy spread.

If all the above mitigation measures are followed, we feel there will be no severe long-term significant impacts to the native trees.

Please let us know if we can be of any future assistance to you for this project.

Steven G. Alvarez
Certified Arborist #WC 0511

Chip Tamagni
Certified Arborist #WE 6436-A

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
TREE #	TREE SPECIES	SCIENTIFIC NAME	TRUNK DBH	TREE CONDITION	CONST STATUS	CRZ % IMPACT	CONST IMPACT	MITIGATION PROPOSAL	MONT REQUIRED	PRUNING CLASS	AESTH. VALUE	FIELD NOTES	NS EW	LTSI H-M-L-N
1	BO	Q.doug	11	0	R	100%	G	NONE	NO		poor	dead	20/15	
2	BO	Q.doug	10	4	R	100%	G	NONE	NO		good		15/15	
3	BO	Q.doug	12	4	R	100%	G	NONE	NO		good		20/20	
4	BO	Q.doug	6	2	R	100%	G	NONE	NO		fair		6/8	
5	BO	Q.doug	6	3	R	100%	G	NONE	NO		good		10/12	
6	BO	Q.doug	9	4	R	100%	G	NONE	NO		good		15/12	
7	BO	Q.doug	7	3	R	100%	G	NONE	NO		good		8/8	
8	BO	Q.doug	9	4	R	100%	G	NONE	NO		good		10/10	
9	BO	Q.doug	12	3	R	100%	G	NONE	NO		good		10/10	
10	BO	Q.doug	10	2	R	100%	G	NONE	NO		fair	cavity	14/12	
11	BO	Q.doug	4x12	4	R	100%	G	NONE	NO		good		20/20	
12	BO	Q.doug	10	4	R	100%	G	NONE	NO		good		20/15	
13	BO	Q.doug	2x12	3	R	100%	G	NONE	NO		good		6/8	
14	BO	Q.doug	7	3	R	100%	G	NONE	NO		good		10/10	
15	BO	Q.doug	26	4	R	100%	G	NONE	NO		good		40/40	
16	BO	Q.doug	17	1	R	100%	G	NONE	NO		fair	cavity	12/12	
17	BO	Q.doug	14	4	R	100%	G	NONE	NO		good		20/20	
18	BO	Q.doug	3x14	4	R	100%	G	NONE	NO		good		26/28	
19	BO	Q.doug	7	4	R	100%	G	NONE	NO		good		6/8	
20	BO	Q.doug	9	4	R	100%	G	NONE	NO		good		8/8	

1 = TREE #: MOSTLY CLOCKWISE FROM DUE NORTH
2 = TREE TYPE: COMMON NAME IE.W.O.= WHITE OAK
3= SCIENTIFIC NAME
4 = TRUNK DIAMETER @ 45"
5 = TREE CONDITION: 1 = POOR, 10 = EXCELLENT
6 = CONSTRUCTION STATUS: AVOIDED, IMPACTED, REMOVAL
7 = CRZ: PERCENT OF IMPACTED CRITICAL ROOT ZONE
8 = CONSTRUCTION IMPACT TYPE: GRADING, COMPACTION, TRENCHING
9 = MITIGATION REQUIREMENTS: FENCING, MONITORING, ROOTPRUNING,
10 = ARBORIST MONITORING REQUIRED: YES/NO
11 = PERSCRIBED PRUNING: CLASS 1-4
12= AESTHETIC VALUE
12 = FIELD NOTES
13= NORTH SOUTH/ EAST WEST CANOPY SPREAD
14= NORTH, SOUTH, EAST, WEST
15= LONG TERM SIGNIFIANT IMPACT

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
TREE #	TREE SPECIES	SCIENTIFIC NAME	TRUNK DBH	TREE CONDITION	CONST STATUS	CRZ % IMPACT	CONST IMPACT	MITIGATION PROPOSAL	MONT REQUIRED	PRUNING CLASS	AESTH. VALUE	FIELD NOTES	NS EW	LTSI H-M-L-N
21	BO	Q.doug	6	3	R	100%	G	NONE	NO		good		6/6	
22	BO	Q.doug	6	3	R	100%	G	NONE	NO		good		8/8	
23	BO	Q.doug	7	4	R	100%	G	NONE	NO		good		10/10	
24	BO	Q.doug	11	3	R	100%	G	NONE	NO		good		6/8	
25	BO	Q.doug	7	3	R	100%	G	NONE	NO		good		8/10	
26	BO	Q.doug	6	3	R	100%	G	NONE	NO		good		8/8	
27	BO	Q.doug	7	4	R	100%	G	NONE	NO		good		10/10	
28	BO	Q.doug	8	3	R	100%	G	NONE	NO		good		12/12	
29	BO	Q.doug	2X7	3	R	100%	G	NONE	NO		good		15/12	
30	BO	Q.doug	3X10	3	R	100%	G	NONE	NO		good		14/14	
31	BO	Q.doug	7	4	R	100%	G	NONE	NO		good		10/12	
32	BO	Q.doug	4X20	4	R	100%	G	NONE	NO		good		20/15	
33	BO	Q.doug	3X14	4	R	100%	G	NONE	NO		good		15/12	
34	BO	Q.doug	3X15	4	R	100%	G	NONE	NO		good		20/20	
35	BO	Q.doug	6	3	I	10%	G	F, RP, M	YES	I, IV	good		10/10	low
36	BO	Q.doug	2X8	3	I	20%	G	F, RP, M	YES	I, IV	good		12/12	low
37	BO	Q.doug	2X10	3	R	100%	G	NONE	NO		good		15/15	
38	BO	Q.doug	2X7	3	I	20%	G	F, RP, M	YES	I, IV	good		10/10	low
39	BO	Q.doug	2X9	3	R	100%	G	NONE	NO		good		12/14	
40	BO	Q.doug	2X10	3	R	100%	G	NONE	NO		good		10/18	

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7 = CRZ: PERCENT OF IMPACTED CRITICAL ROOT ZONE
8 = CONSTRUCTION IMPACT TYPE: GRADING, COMPACTION, TRENCHING
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
TREE #	TREE SPECIES	SCIENTIFIC NAME	TRUNK DBH	TREE CONDITION	CONST STATUS	CRZ % IMPACT	CONST IMPACT	MITIGATION PROPOSAL	MONT REQUIRED	PRUNING CLASS	AESTH. VALUE	FIELD NOTES	NS EW	LTSI H-M-L-N
41	BO	Q.doug	2x8	3	A	0%	NONE	F	NO	I	good		6/8	none
42	BO	Q.doug	6x25	4	I	10%	GR	F, RP, M	YES	I, IV	good		15/15	low
43	BO	Q.doug	4x20	4	A	0%	NONE	F	NO	I	good		12/15	none
44	BO	Q.doug	8	2	A	0%	NONE	F	NO	I	good		6/6	none
45	BO	Q.doug	9	3	A	0%	NONE	F	NO	I	good		12/10	none
46	BO	Q.doug	2x12	4	A	0%	NONE	F	NO	I	good		10/12	none
47	BO	Q.doug	2x12	4	A	0%	NONE	F	NO	I	good		14/12	none
48	BO	Q.doug	3x12	4	A	0%	NONE	F	NO	I	good		12/12	none
49	BO	Q.doug	2x14	4	A	0%	NONE	F	NO	I	good		12/12	none
50	BO	Q.doug	2x14	4	A	0%	NONE	F	NO	I	good		12/12	none
51	BO	Q.doug	11	4	A	0%	NONE	F	NO	I	good		15/15	none
52	BO	Q.doug	2x8	3	A	0%	NONE	F	NO	I	good		8/8	none
53	BO	Q.doug	11	3	A	0%	NONE	F	NO	I	good		12/12	none
54	BO	Q.doug	4x20	3	A	0%	NONE	F	NO	I	good		15/15	none
55	BO	Q.doug	7	3	A	0%	NONE	F	NO	I	good		12/10	none
56	BO	Q.doug	14	4	A	0%	NONE	F	NO	I	good		20/20	none
57	BO	Q.doug	3x12	4	I	5%	GR	F, RP, M	YES	I, IV	good		13/13	low
58	BO	Q.doug	2x7	3	A	0%	NONE	F	NO	I	good		10/10	none
59	BO	Q.doug	2x10	3	I	10%	GR	F, RP, M	YES	I, IV	good		15/15	low
60	BO	Q.doug	2x10	3	A	0%	NONE	F	NO	I	good		15/15	none

1 = TREE #, MOSTLY CLOCKWISE FROM DUE NORTH
2 = TREE TYPE, COMMON NAME IE W.O.= WHITE OAK
3= SCIENTIFIC NAME
4 = TRUNK DIAMETER @ 45"
5 = TREE CONDITION: 1 = POOR, 10 = EXCELLENT
6 = CONSTRUCTION STATUS: AVOIDED, IMPACTED, REMOVAL
7 = CRZ, PERCENT OF IMPACTED CRITICAL ROOT ZONE
8 = CONSTRUCTION IMPACT TYPE, GRADING, COMPACTION, TRENCHING
9 = MITIGATION REQUIREMENTS: FENCING, MONITORING, ROOTPRUNING.
10 = ARBORIST MONITORING REQUIRED, YES/NO
11 = PERSCRIBED PRUNING, CLASS 1-4
12= AESTHETIC VALUE
12= FIELD NOTES
13= NORTH SOUTH/EAST WEST CANOPY SPREAD
14= NORTH, SOUTH, EAST, WEST
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
TREE #	TREE SPECIES	SCIENTIFIC NAME	TRUNK DBH	TREE CONDITION	CONST STATUS	CRZ % IMPACT	CONST IMPACT	MITIGATION PROPOSAL	MONT REQUIRED	PRUNING CLASS	AESTH. VALUE	FIELD NOTES	NS EW	LTSI H-M-L-N
61	BO	Q.doug	28	4	I	15%	GR	F, RP, M	YES	I, IV	excel.		60/60	low
62	BO	Q.doug	7	3	A	0%	NONE	F	NO	I	good		7/7	none
63	BO	Q.doug	2X12	2	A	0%	NONE	F	NO	I	good		20/15	none
64	BO	Q.doug	3X20	4	A	0%	NONE	F	NO	I	good		20/20	none
65	BO	Q.doug	12	3	R	100%	GR	NONE	NO		good		16/8	
66	BO	Q.doug	2X9	3	R	100%	GR	NONE	NO		good		12/12	
67	BO	Q.doug	7	3	R	100%	GR	NONE	NO		good		10/8	
68	BO	Q.doug	2X13	4	R	100%	GR	NONE	NO		good		20/18	
69	BO	Q.doug	2X10	4	R	100%	GR	NONE	NO		good		18/18	
70	BO	Q.doug	4X20	4	A	0%	NONE	F	NO	I	good		20/20	none
71	BO	Q.doug	2X14	3	I	10%	GR	F, RP, M	YES	I, IV	good		24/20	low
72	BO	Q.doug	3X14	3	A	0%	NONE	F	NO	I	good		15/18	none
73	BO	Q.doug	2X13	3	A	0%	NONE	F	NO	I	good		10/12	none
74	BO	Q.doug	2X12	3	I	10%	GR	F, M	YES	I, IV	good		12/12	low
75	BO	Q.doug	4X14	3	I	30%	GR	F, M	YES	I, IV	good		10/12	low
76	BO	Q.doug	18	4	I	60%	GR	F, M	YES	I, IV	good		15/15	med
77	BO	Q.doug	8	4	A	0%	NONE	F	NO	I	good		25/30	none
78	BO	Q.doug	2X14	3	R	100%	GR	NONE	NO		good		8/8	
79	BO	Q.doug	8	3	R	100%	GR	NONE	NO		good		12/10	
80	BO	Q.doug	8	2	R	100%	GR	NONE	NO		good		10/10	

1 = TREE #: MOSTLY CLOCKWISE FROM DJE NORTH
2 = TREE TYPE: COMMON NAME (E.W.O. = WHITE OAK)
3 = SCIENTIFIC NAME
4 = TRUNK DIAMETER @ 46"
5 = TREE CONDITION: 1 = POOR, 10 = EXCELLENT
6 = CONSTRUCTION STATUS: AVOIDED, IMPACTED, REMOVAL
7 = CRZ: PERCENT OF IMPACTED CRITICAL ROOT ZONE
8 = CONSTRUCTION IMPACT TYPE: GRADING, COMPACTION, TRENCHING
9 = MITIGATION REQUIREMENTS: FENCING, MONITORING, ROOTPRUNING,
10 = ARBORIST MONITORING REQUIRED: YES/NO
11 = PRESCRIBED PRUNING: CLASS 1-4
12 = AESTHETIC VALUE
13 = FIELD NOTES
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
TREE #	TREE SPECIES	SCIENTIFIC NAME	TRUNK DBH	TREE CONDITION	CONST STATUS	CRZ % IMPACT	CONST IMPACT	MITIGATION PROPOSAL	MONT REQUIRED	PRUNING CLASS	AESTH. VALUE	FIELD NOTES	NS EW	LTSI H-M-L-N
81	BO	Q.doug	2X14	4	R	100%	GR	NONE	NO		good		15/15	
82	BO	Q.doug	2X8	3	R	100%	GR	NONE	NO		good		15/15	
83	BO	Q.doug	2X10	3	R	100%	GR	NONE	NO		good		20/20	
84	BO	Q.doug	2X14	4	R	100%	GR	NONE	NO		good		22/12	
85	BO	Q.doug	8	5	R	100%	GR	NONE	NO		good		/16	
86	BO	Q.doug	10	4	I	30%	FILL	F, M	YES	I, IV	good	provide drainage	17/17	low
87	BO	Q.doug	10	4	I	30%	FILL	F, M	YES	I, IV	good	provide drainage	14/14	low
88	BO	Q.doug	4X25	4	I	60%	FILL	F, M	YES	I, IV	good	provide drainage	15/15	med
89	BO	Q.doug	2X8	3	R	100%	GR	NONE	NO		good		12/12	
90	BO	Q.doug	3X8	3	I	35%	FILL	F, M	YES	I, IV	good		8/8	med
91	BO	Q.doug	7X10	3	R	100%	GR	NONE	NO		good		8/8	
92	BO	Q.doug	7	3	R	100%	GR	NONE	NO		good		10/10	
93	BO	Q.doug	2X8	2	R	100%	GR	NONE	NO		good		6/6	
94	BO	Q.doug	6	2	I	10%	GR	F, RP, M	YES	I, IV	good		10/10	low
95	BO	Q.doug	2X10	3	A	0%	NONE	F	NO		good		15/15	none
96	BO	Q.doug	2X11	3	I	15%	GR	F, RP, M	YES	I, IV	good		8/8	low
97	BO	Q.doug	4X24	3	I	50%	GR	F, RP, M	YES	I, IV	good		15/15	med
98	BO	Q.doug	2X7	3	A	0%	NONE	F	NO		good	provide drainage	8/10	none
99	BO	Q.doug	2X10	4	I	15%	FILL	F, RP, M	YES	I, IV	good	provide drainage	18/20	low
100	BO	Q.doug	7	4	I	55%	FILL	F, RP, M	YES	I, IV	good	provide drainage	12/12	med

1 = TREE # MOSTLY CLOCKWISE FROM DUE NORTH
2 = TREE TYPE: COMMON NAME (E.W.O.= WHITE OAK)
3 = SCIENTIFIC NAME
4 = TRUNK DIAMETER @ 4'
5 = TREE CONDITION: 1 = POOR, 10 = EXCELLENT
6 = CONSTRUCTION STATUS: AVOIDED, IMPACTED, REMOVAL
7 = CRZ: PERCENT OF IMPACTED CRITICAL ROOT ZONE
8 = CONSTRUCTION IMPACT TYPE: GRADING, COMPACTION, TRENCHING
9 = MITIGATION REQUIREMENTS: FENCING, MONITORING, ROOTPRUNING.
10 = ARBORIST MONITORING REQUIRED: YES/NO
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1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
TREE #	TREE SPECIES	SCIENTIFIC NAME	TRUNK DBH	TREE CONDITION	CONST STATUS	CRZ % IMPACT	CONST IMPACT	MITIGATION PROPOSAL	MONT REQUIRED	PRUNING CLASS	AESTH. VALUE	FIELD NOTES	NS EW	LTSI H-M-L-N
101	BO	Q.doug	2x10	4	I	50%	FILL	F, M	YES	I, IV	good		15/15	med
102	BO	Q.doug	6	4	I	10%	GR	F, RP, M	YES	I, IV	good		12/13	low
103	BO	Q.doug	8	3	R	100%	GR	NONE	NO		good		10/10	
104	BO	Q.doug	2x7	4	A	0%	NONE	F	NO	I, IV	good		10/10	none
105	BO	Q.doug	2x6	4	A	0%	NONE	F	NO	I, IV	good		12/12	none
106	BO	Q.doug	6	3	A	0%	NONE	F	NO	I, IV	good		12/12	none
107	BO	Q.doug	32	1	I	25%	GR	F, RP, M	YES	I, IV	fair	deep root feed	12/10	med
108	BO	Q.doug	2x10	4	I	30%	FILL	F, M	YES	I, IV	good		50/60	med
109	BO	Q.doug	3x10	4	I	5%	GR	F, RP, M	YES	I, IV	good		12/15	low
110	BO	Q.doug	2x8	4	I	5%	GR	F, RP, M	YES	I, IV	good		12/12	low
111	BO	Q.doug	2x6	3	I	5%	GR	F, RP, M	YES	I, IV	good		8/10	low
112	BO	Q.doug	3x6	4	I	5%	GR	F, RP, M	YES	I, IV	good		8/8	low
113	BO	Q.doug	3x13	4	I	20%	GR	F, RP, M	YES	I, IV	good		8/8	low
114	BO	Q.doug	3x11	4	I	10%	GR	F, RP, M	YES	I, IV	good		15/15	low
115	BO	Q.doug	3x10	5	R	100%	GR	NONE	NO		good		18/18	
116	BO	Q.doug	2x9	4	R	100%	GR	NONE	NO		good		15/15	
117	BO	Q.doug	7	4	I	5%	GR	F, RP, M	YES	I, IV	good		10/10	low
118	BO	Q.doug	2x7	3	A	0%	NONE	F	NO	I, IV	good		12/12	
119	BO	Q.doug	12	3	I	30%	GR	F, RP, M	YES	I, IV	good		18/18	med
120	BO	Q.doug	30	1	I	30%	GR	F, RP, M	YES	I, IV	fair	past failure	50/50	med

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TREE #	TREE SPECIES	SCIENTIFIC NAME	TRUNK DBH	TREE CONDITION	CONST STATUS	CRZ % IMPACT	CONST IMPACT	MITIGATION PROPOSAL	MONT REQUIRED	PRUNING CLASS	AESTH. VALUE	FIELD NOTES	NS EW	LTSI H-M-L-N
121	BO	Q.doug	26	2	I	50%	GR	F, RP, M	YES	I, IV	fair	cavities	25/25	med
122	BO	Q.doug	3X8	4	A	0%	NONE	F	NO		good		15/15	none
123	BO	Q.doug	2X10	4	A	0%	NONE	F	NO		good		12/12	none
124	BO	Q.doug	2X10	3	I	15%	GR	F, RP, M	YES	I, IV	good		8/10	low
125	BO	Q.doug	2X8	3	R	100%	GR	NONE	NO		good		10/10	
126	BO	Q.doug	3X8	4	R	100%	GR	NONE	NO		good		15/15	
127	BO	Q.doug	14	4	R	100%	GR	NONE	NO		good		18/18	
128	BO	Q.doug	2X10	4	I	10%	GR	F, RP, M	YES	I, IV	good		15/15	low
129	BO	Q.doug	2X10	4	I	10%	GR	F, RP, M	YES	I, IV	good		20/20	low
130	BO	Q.doug	2X10	4	I	10%	GR	F, RP, M	YES	I, IV	good		22/22	low
131	BO	Q.doug	8	3	I	10%	GR	F, RP, M	YES	I, IV	good		8/10	low
132	BO	Q.doug	6X24	5	I	50%	GR	F, RP, M	YES	I, IV	good		30/20	med
133	BO	Q.doug	10	3	R	100%	GR	NONE	NO		good		10/10	
134	BO	Q.doug	3X14	4	R	100%	GR	NONE	NO		good		22/22	
135	BO	Q.doug	2X12	4	A	0%	NONE	F	NO	I, IV	good		20/20	low
136	BO	Q.doug	2X22	5	I	50%	GR	F, RP, M	YES	I, IV	excel.		30/30	med
137	BO	Q.doug	7	4	R	100%	GR	NONE	NO		good		12/14	
138	BO	Q.doug	6	4	I	50%	FILL	F, M	YES	IV	good		12/14	med
139	BO	Q.doug	2X10	4	I	35%	FILL	F, M	YES	IV	good		15/17	med
140	BO	Q.doug	2X6	3	I	5%	FILL	F, M	YES	IV	good		8/8	low

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11 = PRESCRIBED PRUNING: CLASS 1-4
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TREE #	TREE SPECIES	SCIENTIFIC NAME	TRUNK DBH	TREE CONDITION	CONST STATUS	CRZ % IMPACT	CONST IMPACT	MITIGATION PROPOSAL	MONT REQUIRED	PRUNING CLASS	AESTH. VALUE	FIELD NOTES	NS EW	LTSI H-M-L-N
141	BO	Q.doug	3X9	4	R	100%	GR	NONE	NO		good		15/15	
142	BO	Q.doug	10	2	R	100%	GR	NONE	NO		good		12/12	
143	BO	Q.doug	9	4	R	100%	GR	NONE	NO		good		13/15	
144	BO	Q.doug	30	4	I	15%	GR	F, RP, M	YES	I, IV	good		55/55	low
145	BO	Q.doug	2X10	3	A	0%	NONE	F	NO	I, IV	good		15/15	none
146	BO	Q.doug	3X12	4	A	0%	NONE	F	NO	I, IV	good		16/18	none
147	BO	Q.doug	3X13	3	A	0%	NONE	F	NO	I, IV	good		15/15	none
148	BO	Q.doug	2X10	3	A	0%	NONE	F	NO	I, IV	good		15/20	none
149	BO	Q.doug	7	3	A	0%	NONE	F	NO	I, IV	good		12/15	none
150	BO	Q.doug	2X13	4	A	0%	NONE	F	NO	I, IV	good		20/20	none
151	BO	Q.doug	24	2	I	5%	GR	F, RP, M	YES	I, IV	fair	hazard failures	40/25	low
152	BO	Q.doug	2X15	4	I	5%	GR	F, RP, M	YES	I, IV	good		15/15	low
153	BO	Q.doug	8	3	A	0%	GR	F, RP, M	YES	I, IV	good		12/12	none
154	BO	Q.doug	8	4	A	0%	GR	F, RP, M	YES	I, IV	good		12/12	none
155	BO	Q.doug	2X9	2	A	0%	GR	F, RP, M	YES	I, IV	good		12/18	none
156	BO	Q.doug	9	2	A	0%	GR	F, RP, M	YES	I, IV	good		18/18	none
157	BO	Q.doug	3X12	4	A	0%	GR	F, RP, M	YES	I, IV	good		14/14	none
158	BO	Q.doug	11	4	A	0%	GR	F, RP, M	YES	I, IV	good		15/15	none
159	BO	Q.doug	3X10	3	A	0%	GR	F, RP, M	YES	I, IV	good		10/10	none
160	BO	Q.doug	2X10	3	A	0%	GR	F, RP, M	YES	I, IV	good		14/14	none

1 = TREE # MOSTLY CLOCKWISE FROM DUE NORTH
2 = TREE TYPE: COMMON NAME IE: W.O = WHITE OAK
3 = SCIENTIFIC NAME
4 = TRUNK DIAMETER @ 46"
5 = TREE CONDITION: 1 = POOR, 10 = EXCELLENT
6 = CONSTRUCTION STATUS: AVOIDED, IMPACTED, REMOVAL
7 = CRZ: PERCENT OF IMPACTED CRITICAL ROOT ZONE
8 = CONSTRUCTION IMPACT TYPE: GRADING, COMPACTION, TRENCHING
9 = MITIGATION REQUIREMENTS: FENCING, MONITORING, ROOTPRUNING.
10 = ARBORIST MONITORING REQUIRED: YES/NO
11 = PRESCRIBED PRUNING: CLASS 1-4
12 = AESTHETIC VALUE
13 = FIELD NOTES
14 = NORTH, SOUTH, EAST, WEST
15 = LONG TERM SIGNIFIANT IMPACT

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
TREE #	TREE SPECIES	SCIENTIFIC NAME	TRUNK DBH	TREE CONDITION	CONST STATUS	CRZ % IMPACT	CONST IMPACT	MITIGATION PROPOSAL	MONT REQUIRED	PRUNING CLASS	PRUNING AESTH. VALUE	FIELD NOTES	NS EW	LTSI H-M-L-N
161	BO	Q.doug	3X15	4	A	0%	NONE	F	NO	I, IV	good		15/15	none
162	BO	Q.doug	2X10	3	A	0%	NONE	F	NO	I, IV	good		8/8	none
163	BO	Q.doug	2X10	3	A	0%	NONE	F	NO	I, IV	good		8/10	none
164	BO	Q.doug	7	3	A	0%	NONE	F	NO	I, IV	good		8/12	none
165	BO	Q.doug	6	3	A	0%	NONE	F	NO	I, IV	good		8/8	none
166	BO	Q.doug	20	5	A	0%	NONE	F	NO	I, IV	good		45/55	none
167	BO	Q.doug	2X7	3	A	0%	NONE	F	NO	I, IV	good		15/15	none
168	BO	Q.doug	2X8	4	A	0%	NONE	F	NO	I, IV	good		10/12	none
169	BO	Q.doug	2X7	3	A	0%	NONE	F	NO	I, IV	good		10/12	none
170	BO	Q.doug	2X9	3	A	0%	NONE	F	NO	I, IV	good		8/8	none
171	BO	Q.doug	2X8	3	I	55%	GR	F, RP, M	YES	I, IV	good		15/15	med
172	BO	Q.doug	3X9	3	R	100%	GR	NONE	NO		good		12/12	none
173	BO	Q.doug	2X10	4	A	0%	NONE	F	NO	I, IV	good		12/12	none
174	BO	Q.doug	2X6	3	A	0%	NONE	F	NO	I, IV	good		10/12	none
175	BO	Q.doug	2X9	4	I	75%	GR	F, RP, M	YES	I, IV	good		15/15	med
176	BO	Q.doug	23	5	I	15%	GR	F, RP, M	YES	I, IV	excel		50/50	low
177	BO	Q.doug	2X7	3	A	0%	NONE	F	NO	I, IV	good		12/12	none
178	BO	Q.doug	2X6	3	A	0%	NONE	F	NO	I, IV	good		10/10	none
179	BO	Q.doug	2X10	3	A	0%	NONE	F	NO	I, IV	good		12/15	none
180	BO	Q.doug	2X6	3	A	0%	NONE	F	NO	I, IV	good		8/8	none

1 = TREE #, MOSTLY CLOCKWISE FROM DUE NORTH
2 = TREE TYPE: COMMON NAME (E.W.O. = WHITE OAK)
3 = SCIENTIFIC NAME
4 = TRUNK DIAMETER @ 4'

5 = TREE CONDITION: 1 = POOR, 10 = EXCELLENT
6 = CONSTRUCTION STATUS: AVOIDED, IMPACTED, REMOVAL
7 = CRZ: PERCENT OF IMPACTED CRITICAL ROOT ZONE

8 = CONSTRUCTION IMPACT TYPE: GRADING, COMPACTION, TRENCHING
9 = MITIGATION REQUIREMENTS: FENCING, MONITORING, ROOTPRUNING.
10 = ARBORIST MONITORING REQUIRED: YES/NO
11 = PRESCRIBED PRUNING: CLASS 1-4
12 = AESTHETIC VALUE
13 = FIELD NOTES
14 = NORTH, SOUTH, EAST, WEST
15 = LONG TERM SIGNIFICANT IMPACT

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
TREE #	TREE SPECIES	SCIENTIFIC NAME	TRUNK DBH	TREE CONDITION	CONST STATUS	CRZ % IMPACT	CONST IMPACT	CONST MITIGATION PROPOSAL	MONT REQUIRED	PRUNING CLASS	PRUNING AESTH. VALUE	FIELD NOTES	NS EW	LTSI H-M-L-N
181	BO	Q.doug	40	3	I	15%	GR	F, RP, M	YES	I, IV	good		30/35	low
182	BO	Q.doug	32	4	I	15%	GR	F, RP, M	YES	I, IV	good		30/30	low
183	BO	Q.doug	22	2	I	15%	GR	F, RP, M	YES	I, IV	good		15/20	low
184	BO	Q.doug	26	2	I	15%	GR	F, RP, M	YES	I, IV	good		50/50	low
185	BO	Q.doug	20	4	I	100%	GR	F, M	YES	I, IV	good	parking lot	30/30	med
186	BO	Q.doug	15	4	I	50%	GR	F, RP, M	YES	I, IV	good		30/25	med
187	BO	Q.doug	22	3	I	15%	GR	F, RP, M	YES	I, IV	good		40/40	low
188	BO	Q.doug	17	3	A	0%	NONE	F	NO	I, IV	good		40/40	none
189	BO	Q.doug	32	3	A	0%	NONE	F	NO	I, IV	good		35/40	none
190	BO	Q.doug	20	3	I	10%	GR	F, RP, M	YES	I, IV	good		30/40	low
191	BO	Q.doug	17	3	A	0%	NONE	F	NO	I, IV	good		40/40	none
192	BO	Q.doug	26	5	I	20%	GR	F, RP, M	YES	I, IV	excel.		50/50	low
193	BO	Q.doug	8	4	I	15%	GR	F, RP, M	YES	I, IV	good		12/12	low
194	BO	Q.doug	2X10	4	A	0%	NONE	F	NO	I, IV	good		12/12	none
195	BO	Q.doug	2X10	4	I	10%	GR	F, RP, M	YES	I, IV	good		10/10	low
196	BO	Q.doug	20	4	I	15%	GR	F, RP, M	YES	I, IV	good		30/30	low
197	BO	Q.doug	10	4	A	0%	NONE	F	NO	I, IV	good		20/20	none
198	BO	Q.doug	21	2	A	0%	NONE	F	NO	I, IV	fair		40/40	none
199	BO	Q.doug	12	3	A	0%	NONE	F	NO	I, IV	good		20/20	none
200	BO	Q.doug	23	5	I	3%	GR	F, RP, M	YES	I, IV	good		40/50	low

1 = TREE #: MOSTLY CLOCKWISE FROM DUE NORTH
2 = TREE TYPE, COMMON NAME (E.W.O.= WHITE OAK)
3 = SCIENTIFIC NAME
4 = TRUNK DIAMETER @ 4'8"
5 = TREE CONDITION: 1 = POOR, 10 = EXCELLENT
6 = CONSTRUCTION STATUS: AVOIDED, IMPACTED, REMOVAL
7 = CRZ: PERCENT OF IMPACTED CRITICAL ROOT ZONE
8 = CONSTRUCTION IMPACT TYPE: GRADING, COMPACTION, TRENCHING
9 = MITIGATION REQUIREMENTS: FENCING, MONITORING, ROOTPRUNING.
10 = ARBORIST MONITORING REQUIRED: YES/NO
11 = PRESCRIBED PRUNING: CLASS 1-4
12 = AESTHETIC VALUE
12 = FIELD NOTES
13 = NORTH SOUTH/EAST WEST CANOPY SPREAD
14 = NORTH, SOUTH, EAST, WEST
15 = LONG TERM SIGNIFIANT IMPACT

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
TREE #	TREE SPECIES	SCIENTIFIC NAME	TRUNK DBH	TREE CONDITION	CONST STATUS	CRZ % IMPACT	CONST IMPACT	MITIGATION PROPOSAL	MONT REQUIRED	PRUNING CLASS	AESTH. VALUE	FIELD NOTES	NS EW	LTSI H-M-L-N
201	BO	Q.doug	14	3	I	5%	GR	F,M	YES	I, IV	good		20/15	low
202	BO	Q.doug	21	5	I	5%	GR	F,M	YES	I, IV	excel.		30/35	low
203	BO	Q.doug	46	2	I	65%	GR	F, RP, M	YES	I, IV	good		30/15	med
204	BO	Q.doug	15	3	I	100%	GR	F,M	YES	I, IV	good	parking lot	15/22	low
205	BO	Q.doug	13	3	I	100%	GR	F,M	YES	I, IV	good	parking lot	12/12	low
206	BO	Q.doug	17	3	I	95%	GR	F,M	YES	I, IV	good	parking lot	15/15	low
207	BO	Q.doug	14	4	I	15%	GR	F,M	YES	I, IV	good	parking lot	20/25	low
208	BO	Q.doug	2X10	2	I	100%	GR	F,M	YES	I, IV	good	parking lot	25/20	low
209	BO	Q.doug	6	4	I	100%	GR	F,M	YES	I, IV	good	parking lot	12/12	low
210	BO	Q.doug	6X20	3	I	100%	GR	F,M	YES	I, IV	good	parking lot	10/10	low
211	BO	Q.doug	4X15	4	I	100%	GR	F,M	YES	I, IV	good	parking lot	15/15	low
212	BO	Q.doug	4X8	4	I	100%	GR	F,M	YES	I, IV	good	parking lot	13/13	low
213	BO	Q.doug	41	4	I	15%	GR	F,M	YES	I, IV	good	parking lot	8/8	low
214	BO	Q.doug	2X36	2	I	5%	GR	F,M	YES	I, IV	excel.	bee hives	50/20	low
215	BO	Q.doug	7	3	A	0%	NONE	F	NO	I, IV	good		40/40	none
216	BO	Q.doug	7	3	A	0%	NONE	F	NO	I, IV	good		8/8	none
217	BO	Q.doug	7	3	A	0%	NONE	F	NO	I, IV	good		8/8	none
218	BO	Q.doug	2X9	3	A	0%	NONE	F	NO	I, IV	good		13/13	none
219	BO	Q.doug	32	3	I	3%	GR	F,M	YES	I, IV	good		10/10	low
220	BO	Q.doug	32	3	I	3%	GR	F,M	YES	I, IV	good		50/45	low

1 = TREE #, MOSTLY CLOCKWISE FROM DUE NORTH
2 = TREE TYPE: COMMON NAME (E, W, O) = WHITE OAK
3 = SCIENTIFIC NAME
4 = TRUNK DIAMETER @ 4'6"
5 = TREE CONDITION: 1 = POOR, 10 = EXCELLENT
6 = CONSTRUCTION STATUS: AVOIDED, IMPACTED, REMOVAL
7 = CRZ PERCENT OF IMPACTED CRITICAL ROOT ZONE
8 = CONSTRUCTION IMPACT TYPE: GRADING, COMPACTION, TRENCHING
9 = MITIGATION REQUIREMENTS: FENCING, MONITORING, ROOTPRUNING.
10 = ARBORIST MONITORING REQUIRED: YES/NO
11 = PERSCRIBED PRUNING: CLASS 1-4
12 = AESTHETIC VALUE
12 = FIELD NOTES
13 = NORTH SOUTH/EAST WEST CANOPY SPREAD
14 = NORTH, SOUTH, EAST, WEST
15 = LONG TERM SIGNIFIANT IMPACT

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
TREE #	TREE SPECIES	SCIENTIFIC NAME	TRUNK DBH	TREE CONDITION	CONST STATUS	CRZ % IMPACT	CONST IMPACT	MITIGATION PROPOSAL	MONT REQUIRED	PRUNING CLASS	AESTH. VALUE	FIELD NOTES	NS EW	LTSI H-M-L-N
221	BO	Q.doug	14	2	A	0%	NONE	F	NO	I, IV	good		12/18	low
222	BO	Q.doug	16	4	A	0%	NONE	F	NO	I, IV	good		25/25	low
223	BO	Q.doug	2X10	2	A	0%	NONE	F	NO	I, IV	good		12/12	low
224	BO	Q.doug	2X8	3	I	30%	GR	F, RP, M	YES	I, IV	good		12/12	low
225	BO	Q.doug	26	0	R	0%	G	NONE	NO		poor	dead		
226	BO	Q.doug	19	3	A	0%	NONE	F	NO	I, IV	good		20/35	low
227	BO	Q.doug	36	1	I	20%	GR	F, RP, M	YES	I, IV	good		20/30	low
228	BO	Q.doug	7	3	I	25%	GR	F, RP, M	YES	I, IV	good		7/7	low
229	BO	Q.doug	21	1	I	15%	GR	F, RP, M	YES	I, IV	fair	previous failures	30/36	low
230	BO	Q.doug	4X11	3	A	0%	NONE	F	NO	I, IV	good		20/25	low
231	BO	Q.doug	2X12	3	I	15%	GR	F, RP, M	YES	I, IV	good		12/12	low
232	BO	Q.doug	3X9	4	I	5%	GR	F, RP, M	YES	I, IV	good		6/8	low
233	BO	Q.doug	23	3	I	5%	GR	F, RP, M	YES	I, IV	good		30/30	low
234	BO	Q.doug	37	2	I	10%	GR	F, RP, M	YES	I, IV	good		40/30	low
235	BO	Q.doug	20	3	A	0%	GR	F	NO	I, IV	good		25/35	low
236	BO	Q.doug	28	4	I	10%	GR	F, RP, M	YES	I, IV	good		50/35	low
237	BO	Q.doug	2X8	4	A	0%	NONE	F	NO	I, IV	good		15/15	low
238	BO	Q.doug	10	3	A	0%	NONE	F	NO	I, IV	good		15/20	low
239	BO	Q.doug	2X14	3	I	25%	GR	F, RP, M	YES	I, IV	good		30/25	low
240	BO	Q.doug	2X14	4	I	25%	GR	F, RP, M	YES	I, IV	good		20/20	low

1 = TREE #: MOSTLY CLOCKWISE FROM DUE NORTH
2 = TREE TYPE: COMMON NAME (E.W.O.= WHITE OAK)
3 = SCIENTIFIC NAME
4 = TRUNK DIAMETER @ 4"
5 = TREE CONDITION: 1 = POOR, 10 = EXCELLENT
6 = CONSTRUCTION STATUS: AVOIDED, IMPACTED, REMOVAL
7 = CRZ: PERCENT OF IMPACTED CRITICAL ROOT ZONE
8 = CONSTRUCTION IMPACT TYPE: GRADING, COMPACTION, TRENCHING
9 = MITIGATION REQUIREMENTS: FENCING, MONITORING, ROOTPRUNING.
10 = ARBORIST MONITORING REQUIRED: YES/NO
11 = PERSCRIBED PRUNING: CLASS 1-4
12 = AESTHETIC VALUE
12 = FIELD NOTES
13 = NORTH SOUTH/EAST WEST CANOPY SPREAD
14 = NORTH, SOUTH, EAST, WEST
15 = LONG TERM SIGNIFIANT IMPACT

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
TREE #	TREE SPECIES	SCIENTIFIC NAME	TRUNK DBH	TREE CONDITION	CONST STATUS	CRZ % IMPACT	CONST IMPACT	MITIGATION PROPOSAL	MONT REQUIRED	PRUNING CLASS	AESTH. VALUE	FIELD NOTES	NS EW	LTSI H-M-L-N
241	BO	Q.doug	3X15	5	I	30%	GR	F, RP, M	YES	I, IV	good		20/20	low
242	BO	Q.doug	2X15	4	I	40%	GR	F, RP, M	YES	I, IV	good		20/20	low
243	BO	Q.doug	29	4	I	90%	GR	F, RP, M	YES	I, IV	excel.	parking lot	30/30	med
244	BO	Q.doug	2X13	4	I	35%	FILL	F, RP, M	YES	I, IV	good		15/15	low
245	BO	Q.doug	2X10	4	A	0%	NONE	F	NO	I, IV	good		10/10	low
246	BO	Q.doug	6	2	A	0%	NONE	F	NO	I, IV	good		8/8	low
247	BO	Q.doug	2X15	3	A	0%	NONE	F	NO	I, IV	good		20/20	low
248	BO	Q.doug	2X18	3	A	0%	NONE	F	NO	I, IV	good		20/20	low
249	BO	Q.doug	29	2	I	5%	NONE	F, RP, M	YES	I, IV	good		70/60	low
250	BO	Q.doug	48	2	I	15%	NONE	F, RP, M	YES	I, IV	good	cavities	20/20	low
251	BO	Q.doug	30	3	I	2%	NONE	F	NO	I, IV	good		50/40	low
252	BO	Q.doug	18	3	I	35%	FILL	F, RP, M	YES	I, IV	good		15/20	low
253	BO	Q.doug	2X7	3	I	100%	GR	F, M	YES	I, IV	good	parking lot	8/8	med
254	BO	Q.doug	2X8	3	I	100%	GR	F, M	YES	I, IV	good	parking lot	15/15	med
255	BO	Q.doug	2X15	3	I	100%	GR	F, M	YES	I, IV	good	parking lot	20/20	med
256	BO	Q.doug	2X15	4	I	100%	GR	F, M	YES	I, IV	good	parking lot	20/20	med
257	BO													
258	BO													
259	BO													
260	BO													

1 = TREE # MOSTLY CLOCKWISE FROM DUE NORTH
2 = TREE TYPE; COMMON NAME (E.W.O. = WHITE OAK)
3 = SCIENTIFIC NAME
4 = TRUNK DIAMETER @ 48"
5 = TREE CONDITION: 1 = POOR, 10 = EXCELLENT
6 = CONSTRUCTION STATUS: AVOIDED, IMPACTED, REMOVAL
7 = CRZ: PERCENT OF IMPACTED CRITICAL ROOT ZONE
8 = CONSTRUCTION IMPACT TYPE: GRADING, COMPACTION, TRENCHING
9 = MITIGATION REQUIREMENTS: FENCING, MONITORING, ROOT PRUNING,
10 = ARBORIST MONITORING REQUIRED: YES/NO
11 = PRESCRIBED PRUNING: CLASS 1-4
12 = AESTHETIC VALUE
13 = FIELD NOTES
14 = NORTH, SOUTH, EAST, WEST
15 = LONG TERM SIGNIFIANT IMPACT

RESOLUTION NO. 11-xxx

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF PASO ROBLES
AUTHORIZING THE REMOVAL OF 68 OAK TREES FOR PD AMENDMENT 02-002 AND
CUP 11-004 VINA ROBLES, INC.

WHEREAS, Vina Robles, Inc. has submitted a request to remove 68 oak trees; and

WHEREAS, the removal of the trees is in relation to a Mitigated Negative Declaration approved by the Planning Commission of July 26, 2011, and PD Amendment 02-002 and CUP 11-004 which are anticipated to be approved by the Planning Commission on August 9, 2011 and;

WHEREAS, with the approval of the Mitigated Negative Declaration, PD Amendment 02-002 and CUP 11-004 Planning Commission recommended the removal of the 68 oak trees; and

WHEREAS, two of the trees are clearly dead or diseased beyond correction and were approved for removal by the Community Development Director per Section 10.01.050.C of the Oak Tree Ordinance; and

WHEREAS, regarding the 66 remaining oak trees, the Director could not make the determination that the trees are “clearly dead or diseased beyond correction,” and therefore, Section 10.01.050.C of the Oak Tree Ordinance would consider the tree “healthy” and require that the City Council make the determination of whether the trees should be allowed to be removed after consideration of the factors listed in Section 10.01.050.D; and

WHEREAS, the City Council considered the factors listed in Section 10.01.050.D; and

WHEREAS, in conjunction with the entitlements noted above, Chip Tamagni of A & T Arborists submitted an Arborist Report analyzing all of the oak trees located within the development area that may be impacted by the project and require tree protection methods. Protection measures were identified for potentially impacted trees that would remain. The report also identified the health of the 68 trees proposed for removal. The tree removals were rated in terms of their relative health on a scale of 1-10, with 10 being the best health. Two of the trees are identified to be dead, 64 of the 66 trees are rated “4” or below, and two trees are rated “5”; and

WHEREAS, the project design would necessitate the need to remove healthy oak trees due to grading and construction of the amphitheater, ancillary buildings, and parking lot; and

NOW, THEREFORE, BE IT RESOLVED, that the City Council of the City of El Paso de Robles does hereby:

1. Authorize the removal of 68 oak trees based on the trees being in marginal health, minimal environmental and scenic impacts, and that the removals are necessary in order to accommodate the proposed project.
2. Require the planting of 166 inches diameter replacement oak trees to be planted on the site at the direction of the arborist to ensure maximum potential for the trees to flourish, and/or off site at a location at the direction of the Community Development Director. The specific size and number of replacement trees shall be determined by the project arborist provided that the replacement trees equal the required mitigation requirement.

PASSED AND ADOPTED by the City Council of the City of El Paso de Robles this 16th day of August, 2011 by the following vote:

AYES:

NOES:

ABSTAIN:

ABSENT:

Duane Picanco, Mayor

ATTEST:

Caryn Jackson, Deputy City Clerk