

# Kielty Arborist Services

Certified Arborist WE#0476A

P.O. Box 6187

San Mateo, CA 94403

650- 525-1464

March 21, 2012

Newport Equities, LLC  
Attn; Ms. Julie Vint  
1601 Dove Street, Suite 250  
Newport Beach, CA 92660

Site: 2090 South Delaware, San Mateo, CA

Dear Ms. Vint,

As requested on Monday, March 20, 2012, I visited the above site for the purpose of inspecting and commenting on the trees. New construction is planned for this site and as required by the City of San Mateo a survey of the significant trees, a landscape units worksheet and a tree protection plan will be provided.

## Method:

The lot was inspected from the ground. The trees were located on a map provided by you. Each tree was assigned an identification number; this number was inscribed on a metal foil tag and nailed to the tree at eye level. The trees were then measured for diameter at 54 inches above ground level (DBH or diameter at breast height). A condition rating of 1 – 100 was assigned to each tree representing form and vitality using the following scale:

1 - 29	Very Poor
30 - 49	Poor
50 - 69	Fair
70 - 89	Good
90 - 100	Excellent

The height of each tree was estimated and the spread was paced off. The location of each tree was described. Observations for each tree will be included.

## Survey:

Tree#	Species	DBH	CON	HT/SP	Comments
1	Shamel ash ( <i>Fraxinus uhdei</i> )	20.2	55	45/30	Fair vigor, fair form for species. Lifting curb.
2	Shamel ash ( <i>Fraxinus uhdei</i> )	27.6	55	45/40	Fair vigor, fair form for species. Lifting curb.

2090 Delaware/3/21/12

(2)

<b>Tree#</b>	<b>Species</b>	<b>DBH</b>	<b>CON</b>	<b>HT/SP</b>	<b>Comments</b>
3	Shamel ash ( <i>Fraxinus uhdei</i> )	15.8	55	40/30	Good vigor, fair form for species. Large surface roots.
4	Shamel ash ( <i>Fraxinus uhdei</i> )	23.5	55	40/40	Fair vigor, fair form for species. Heavy lateral limbs.
5	Ginkgo ( <i>Ginkgo biloba</i> )	5.6	60	25/20	Good vigor, good form.
6	Ginkgo ( <i>Ginkgo biloba</i> )	8.6	60	30/30	Good vigor, good form, heavy lateral limbs. 2 feet from the backflow preventer.
7	Chinese pistache ( <i>Pistacia chinensis</i> )	15.6	60	40/40	Good vigor, good form, heavy lateral limbs.
8	Ginkgo ( <i>Ginkgo biloba</i> )	3.4	25	15/10	Good vigor, poor form uprooted, gopher damage.
9	Ginkgo ( <i>Ginkgo biloba</i> )	4.7	50	15/15	Good vigor, fair form, top girdled.
10	Melaleuca ( <i>Melaleuca spp</i> )	10.3-7.7	55	20/15	Good vigor, fair form, codominant at base.
11	Beefwood ( <i>Casurina stricta</i> )	21.4	60	35/40	Good vigor, fair form, heavy lateral limbs.
12	Melaleuca ( <i>Melaleuca spp</i> )	9.2-6.2	55	30/25	Good vigor, fair form, codominant at base.
13	Melaleuca ( <i>Melaleuca spp</i> )	9.9-7.3	55	30/20	Good vigor, fair form, codominant at base.
14	Melaleuca ( <i>Melaleuca spp</i> )	12.1-10.9	60	30/25	Good vigor, fair form, codominant at base.
15	Melaleuca ( <i>Melaleuca spp</i> )	7.4	50	30/25	Fair vigor, fair form, ivy on trunk.
16	Melaleuca ( <i>Melaleuca spp</i> )	22.2	50	25/25	Fair vigor, fair form, multi at 2 feet.

**Summary:**

The trees on site are a mix of imported trees (exotics) with no native trees. The imported trees are for the most part on the perimeter of the property ideal for construction. Trees #1 through #4 are ash trees located in the city easement (street trees). The ashes are a poor choice due to their very invasive roots. Roots from the street trees have already lifted sidewalks and curbs and gutters. This species of ash is rarely used as a street tree.

The ginkgos on site are in poor to fair condition. The size of the trees are still quite small and easily replaced if needed. Ginkgos #8 and #9 should be replaced. Tree #8 has been uprooted and damaged by gophers and tree #9 has been girdled by a wire. Trees #5 and #6 are in good condition and can be retained or relocated if the species fits the new planned landscape.

The Melaleuca trees, the pistache and the casurina tree can be retained if the trees are compatible with the new proposed landscape. If properly protected any or all of the trees on site can be retained.

**Tree Protection Plan:****Tree Protection Zones**

A tree protection zone should be installed and maintained throughout the entire length of the project. Fencing for tree protection zones should be 6' tall, metal chain link material supported by 2 inch poles pounded into the ground by no less than 2 feet. The location for the protective fencing should be as close to the dripline of desired trees as possible, still allowing room for construction to safely continue. No equipment or materials shall be stored or cleaned inside the protection zones. Areas outside protection zones, but still beneath the tree's driplines, where foot traffic is expected to be heavy, should be mulched with 4-6" of chipper chips. The spreading of chips will help to reduce compaction and improve soil structure

**Root cutting**

Any roots to be cut shall be monitored and documented. Large roots or large masses of roots to be cut must be inspected by the site arborist. The site arborist, at this time, may recommend irrigation or fertilization of the root zone. All roots needing to be cut should be cut clean with a saw or lopper. Roots to be left exposed for a period of time should be covered with layers of burlap and kept moist.

**Trenching**

Trenching for irrigation, drainage, electrical or any other reason shall be done by hand when inside the dripline of a protected tree. Hand digging and the careful placement of pipes below or besides protected roots will significantly reduce root loss, thus reducing trauma to the tree. All trenches shall be backfilled with native materials and compacted to near its original level, as soon as possible. Trenches to be left open for a period of time, will require the covering of all exposed roots with burlap and be kept moist. The trenches will also need to be covered with plywood to help protect the exposed roots.

**Irrigation**

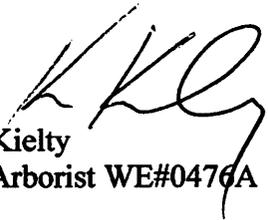
Normal irrigation shall be maintained on this site at all times. The imported trees will require regular warm season irrigation. On a construction site, I recommend irrigation during both summer and winter months. During winter months irrigate heavily 1 time per month. Seasonal rainfall may reduce the need for additional irrigation. During the warm season, April – November, my recommendation is to use heavy irrigation, 2 times per month. The on-site arborist may make adjustments to the irrigation recommendations as needed. The foliage of the tree may need cleaning if dust levels are extreme. Removing dust from the foliage will help to reduce mite and insect infestation.

**Inspections**

The city of San Mateo does not require monthly tree inspections on construction sites of this nature. A inspection of the tree protection measures will be required prior to the start of construction. Other inspections will be on an as needed basis.

The information included in this report is believed to be true and based on sound arboricultural principles and practices.

Sincerely,



Kevin R. Kielty  
Certified Arborist WE#0476A



Site: 2090 Delaware Street, San Mateo, CA 94401

**Tree Evaluation Schedule  
Landscape Units**

Ref.	Species Name	Botanical Name	Fate: Preserve/ Remove	Species Value %	Condition Value %	Location Value %	0.35	Caliper Inches	.70 if in allowable bldg. area	1.25 if Heritage Tree	LU Value
1	Shamel ash	<i>fraxinus uhdei</i>	R	30%	55%	70%	0.35	20.2	1.00	1.25	8.33
2	Shamel ash	<i>fraxinus uhdei</i>	R	30%	55%	70%	0.35	27.6	1.00	1.25	11.39
3	Shamel ash	<i>fraxinus uhdei</i>	R	30%	55%	70%	0.35	15.8	1.00	1.00	5.21
4	Shamel ash	<i>fraxinus uhdei</i>	R	30%	55%	70%	0.35	23.5	1.00	1.25	9.69
5	Ginkgo	<i>Ginkgo biloba</i>	R	30%	60%	80%	0.35	5.6	0.70	1.00	1.61
6	Ginkgo	<i>Ginkgo biloba</i>	R	30%	60%	80%	0.35	8.6	0.70	1.00	2.48
7	Chinese pistache	<i>Pistacia chinensis</i>	R	50%	60%	80%	0.35	15.6	0.70	1.00	7.49
8	Ginkgo	<i>Ginkgo biloba</i>	R	30%	25%	80%	0.35	3.4	0.70	1.00	0.41
9	Ginkgo	<i>Ginkgo biloba</i>	R	30%	50%	80%	0.35	4.7	0.70	1.00	1.13
10	Melaleuca	<i>Melaleuca spp.</i>	R	70%	55%	80%	0.35	18	0.70	1.25	13.86
11	Beefwood	<i>Casurina stricta</i>	R	30%	60%	75%	0.35	21.4	0.70	1.25	7.22
12	Melaleuca	<i>Melaleuca spp.</i>	R	70%	55%	75%	0.35	15.4	0.70	1.00	8.89
13	Melaleuca	<i>Melaleuca spp.</i>	R	70%	55%	75%	0.35	17.2	0.70	1.25	12.42
14	Melaleuca	<i>Melaleuca spp.</i>	R	70%	60%	75%	0.35	23	0.70	1.25	18.11
15	Melaleuca	<i>Melaleuca spp.</i>	R	70%	50%	75%	0.35	7.4	0.70	1.00	3.89
16	Melaleuca	<i>Melaleuca spp.</i>	R	70%	50%	70%	0.35	22.2	0.70	1.25	13.60

VAN DORN ABED  
LANDSCAPE ARCHITECTS, INC.  
81 14TH ST., SAN FRANCISCO, CA  
77 4001 141 (415) 441-7140

NEWPORT EQUITIES, LLC  
2090 SOUTH DELAWARE STREET  
SAN MATEO, CALIFORNIA

CONCEPTUAL SITE PLAN  
DATE: 12/16/11

SCALE: 1"=20'-0"

