

Kielty Arborist Services LLC

Certified Arborist WE#0476A

P.O. Box 6187

San Mateo, CA 94403

650-515-9783

November 25, 2015

David J. Powers and Associates

Attn: Mr. Ryan Shum

1871 The Alameda, Suite 200

San Jose, CA 95126

Site: Senter Road x Alma Self-Storage Facility Project, San Jose, CA

Dear Mr. Shum,

As requested on Wednesday, November 25, 2015, I visited the above site for the purpose of inspecting and commenting on the trees. New construction is planned for this site and your concern as to the future health and safety of the trees has prompted this visit.

Method:

All inspections were made from the ground; the tree was not climbed for this inspection. The trees in question was located on a map provided by you. The tree were then measured for diameter at 24 inches above ground level (DBH or diameter at breast height in San Jose). The majority of the trees are on neighboring properties have the perimeter fence against the trunk so trees diameters were estimated. The trees were given a condition rating for form and vitality. The trees' condition rating is based on 50 percent vitality and 50 percent form, using the following scale.

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

The height of the tree was measured using a Nikon Forestry 550 Hypsometer. The spread was paced off. Comments and recommendations for future maintenance are provided.

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Survey:

Tree#	Species	DBH	CON	HT/SP	Comments
1	Tree of heaven (<i>Ailanthus altissima</i>)	20x4"	55	25/25	Good vigor, poor form, multiple sprouts from the base of tree.
2*	Tree of heaven (<i>Ailanthus altissima</i>)	15-6	50	35/25	Good vigor, poor form, codominant at 2 feet, girdles by chain link fence.
3*	Tree of heaven (<i>Ailanthus altissima</i>)	8.7-3.9	50	35/25	Good vigor, poor form, codominant at 1 foot.
4*	Black locust (<i>Robinia pseudoacacia</i>)	6-8	50	30/20	Good poor, codominant at base.
5	Tree of heaven (<i>Ailanthus altissima</i>)	5x5.5"	55	25/20	Good vigor, poor form, multi leader at base.
6*	Coast live oak (<i>Quercus agrifolia</i>)	12est	60	15/20	Good vigor, poor form, shared tree.
7*	Coast live oak (<i>Quercus agrifolia</i>)	8est	55	15/15	Good vigor, poor form, shared tree.
8*	Elderberry (<i>Sambucus spp</i>)	15x3"	50	15/20	Good vigor, poor form, multiple leaders.
9*	Green ash (<i>Fraxinus uhdei</i>)	7.1	60	20/15	Good vigor, fair form, shared tree.
10*	Apricot (<i>Prunus spp</i>)	13@base	65	10/10	Dead.
11*	Tree of heaven (<i>Ailanthus altissima</i>)	10est	65	15/20	Good vigor, fair form, on Sharks ice property.
12*	Coast live oak (<i>Quercus agrifolia</i>)	6est	65	10/5	Good vigor, poor form, trunk girdled by metal chain link fence.
13*	Tree of heaven (<i>Ailanthus altissima</i>)	6est	50	15/10	Good vigor, poor form, codominant at 1 foot.
14*	Tree of heaven (<i>Ailanthus altissima</i>)	6est	50	15/10	Good vigor, poor form, codominant at 1 foot.

*indicates shared or on neighboring property

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Tree#	Species	DBH	CON	HT/SP	Comments
15*	Privet (<i>Ligustrum japonicum</i>)	3x6"	50	20/20	Poor-fair vigor, poor form, Multi leader at 1 foot.
16*	Elderberry (<i>Sambucus spp</i>)	6x2.5"	45	15/15	Poor-fair vigor, fair form, re-sprouts from stump.
17*	Privet (<i>Ligustrum japonicum</i>)	3x6"	50	20/20	Poor-fair vigor, poor form, multi leader at 1 foot.
18*	Privet (<i>Ligustrum japonicum</i>)	12est	40	15/10	Fair vigor, poor form, re-sprouts from stump.
19	Privet (<i>Ligustrum japonicum</i>)	12est	40	15/10	Fair vigor, poor form, stump sprouts.
20*	Tree of heaven (<i>Ailanthus altissima</i>)	20est	55	35/35	good vigor, fair form, shared tree.
21	Coast live oak (<i>Quercus agrifolia</i>)	12est	45	30/20	Good vigor, fair form, multi leader at 3 feet.
22	Tree of heaven (<i>Ailanthus altissima</i>)	4x4"	50	30/20	Good vigor, poor form, multi leader.
23*	Coast live oak (<i>Quercus agrifolia</i>)	20est	55	25/25	Good vigor, poor-fair form, codominant at 4 feet.
24*	Olive (<i>Olea europa</i>)	6x4"	55	25/30	Fair vigor, poor form, multi leader at base.
25*	Coast live oak (<i>Quercus agrifolia</i>)	14est	50	25/15	Good vigor, fair form, suppressed.
26*	Coast live oak (<i>Quercus agrifolia</i>)	13est	55	20/15	Good vigor, fair form, suppressed.
28*	Redwood (<i>Sequoia sempervirens</i>)	26est	55	40/25	Poor-fair vigor, fair form, drought stressed.
29*	Redwood (<i>Sequoia sempervirens</i>)	24est	45	40/25	Poor-fair vigor, fair form, drought stressed.

*indicates shared or on neighboring property

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Tree#	Species	DBH	CON	HT/SP	Comments
30*	Chinese elm (<i>Ulmus parvifolia</i>)	14est	65	35/40	Good vigor, fair form, 2 feet from property line.
31*	Redwood (<i>Sequoia sempervirens</i>)	26est	55	45/30	Fair vigor, fair form, poor limb spacing.
32*	Redwood (<i>Sequoia sempervirens</i>)	18est	50	40/20	Fair vigor, poor form, poor live crown ratio.
33*	Redwood (<i>Sequoia sempervirens</i>)	18est	50	40/20	Fair vigor, poor form, poor live crown ratio.
34*	Redwood (<i>Sequoia sempervirens</i>)	18-12	45	35/35	Fair vigor, poor form, codominant a 3 feet, drought stressed.
35*	California pepper (<i>Schinus mole</i>)	10est	40	13/20	Good vigor, poor form, trunk sprouts.

*indicates shared or on neighboring property

Summary:

The trees on site are a mix of native and imported trees (exotics). The majority of the trees are located near the property line fence between Municipal Stadium and the Sharks Ice. The native oaks have good vigor as the years of drought has had less of an effect on the natives. The redwoods which are native to the peninsula but not this area of San Jose have suffered from a lack of irrigation. The trees of heaven are very invasive and should be removed.

The location of many of the trees are on the fence line (assumed property line) and have been girdled by the chain link fencing. Other trees on the fence line have not been maintained as the trees are shared with other landowners. Many of these trees have poor form and removal and replacement is an option. Trees to be retained should be protected and the following tree protection plan should be followed to help reduce impacts to the trees.

Tree Protection Plan:

Tree protection zones should be established and maintained throughout the entire length of the project. Fencing for the protection zones should be 4 foot orange plastic fencing supported by metal stakes pounded into the ground, support stakes should be spaced no more than 10 feet apart on center. The location for the protection fencing should be as close to the dripline as possible still allowing room for construction to safely continue. Signs should be placed on fencing signifying "Tree Protection Zone - Keep Out". No materials or equipment should be stored or cleaned inside the tree protection zones. Areas outside the fencing but still beneath the dripline of protected trees, where foot traffic is expected to be heavy, should be mulched with 4 to 6 inches of chipper chips.

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Trenching for irrigation, electrical, drainage or any other reason should be hand dug when beneath the driplines of protected trees. Hand digging and carefully laying pipes below or beside protected roots will dramatically reduce root loss of desired trees thus reducing trauma to the entire tree. Trenches should be backfilled as soon as possible with native material and compacted to near its original level. Trenches that must be left exposed for a period of time should also be covered with layers of burlap or straw wattle and kept moist. Plywood over the top of the trench will also help protect exposed roots below.

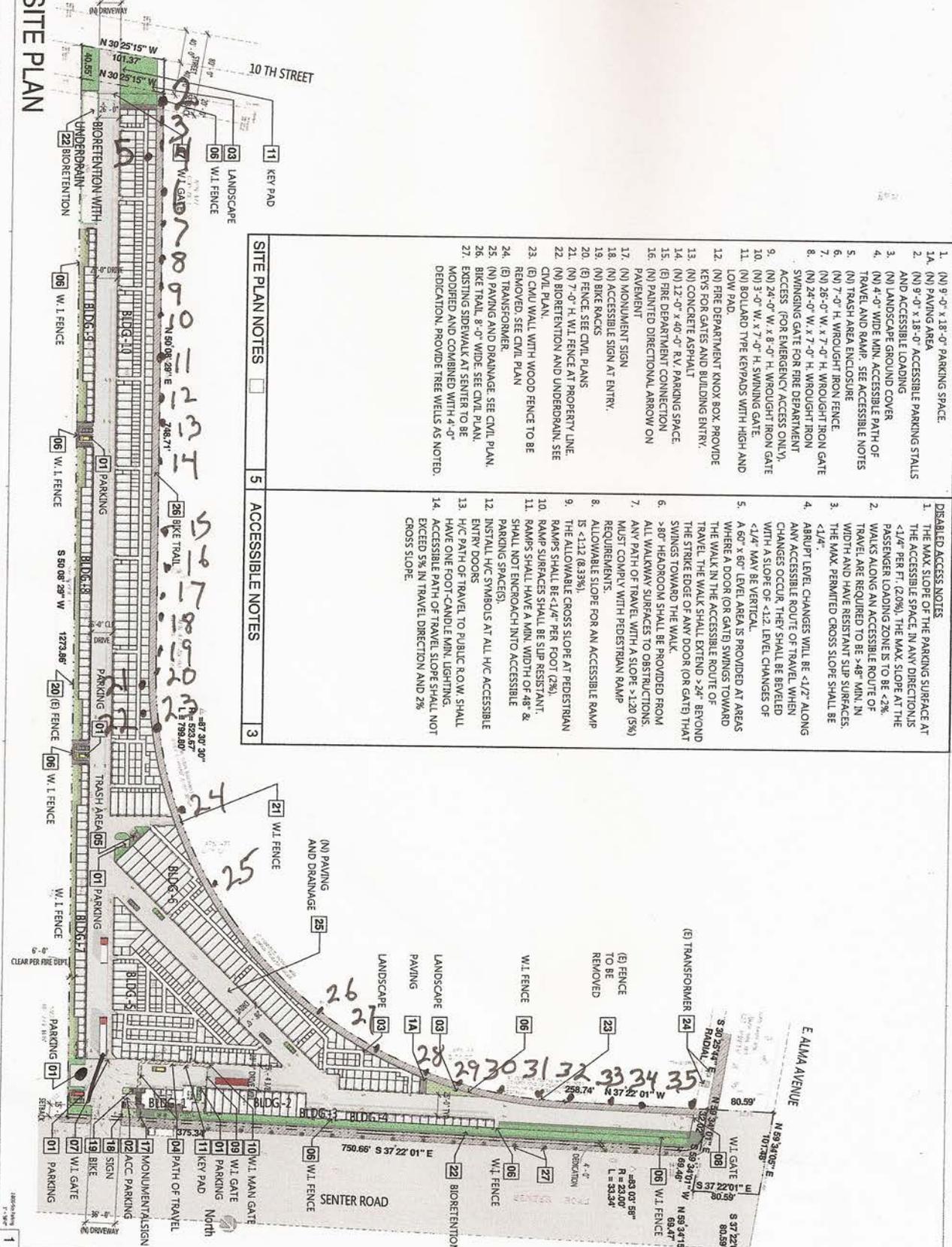
Normal irrigation should be maintained throughout the entire length of the project. The imported trees on this site will require irrigation during the warm season months. Some irrigation may be required during the winter months depending on the seasonal rainfall. During the summer months the trees on this site should receive heavy flood type irrigation 2 times a month. During the fall and winter 1 time a month should suffice. Mulching the root zone of protected trees will help the soil retain moisture, thus reducing water consumption.

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 PLAN



SITE PLAN NOTES	5	ACCESSIBLE NOTES
<ol style="list-style-type: none"> (N) 9'-0" x 18'-0" PARKING SPACE. (N) PAVING AREA (N) 9'-0" x 18'-0" ACCESSIBLE PARKING STALLS AND ACCESSIBLE LOADING (N) LANDSCAPE GROUND COVER (N) 4'-0" WIDE MIN. ACCESSIBLE PATH OF TRAVEL AND RAMP. SEE ACCESSIBLE NOTES (N) TRASH AREA ENCLOSURE (N) 7'-0" H. WROUGHT IRON FENCE (N) 24'-0" W. x 7'-0" H. WROUGHT IRON GATE (N) 24'-0" W. x 7'-0" H. WROUGHT IRON SWINGING GATE FOR FIRE DEPARTMENT ACCESS (FOR EMERGENCY ACCESS ONLY) (N) 24'-0" W. x 8'-0" H. WROUGHT IRON GATE (N) 3'-0" W. x 7'-0" H. SWINGING GATE (N) BOLLARD TYPE KEYPADS WITH HIGH AND LOW PAD. (N) FIRE DEPARTMENT KNOX BOX. PROVIDE KEYS FOR GATES AND BUILDING ENTRY. (N) CONCRETE ASPHALT (N) 12'-0" x 40'-0" R.V. PARKING SPACE (E) FIRE DEPARTMENT CONNECTION (N) PAINTED DIRECTIONAL ARROW ON PAVEMENT (N) MONUMENT SIGN (N) ACCESSIBLE SIGN AT ENTRY. (N) BIKE RACKS (E) FENCE. SEE CIVIL PLANS (N) 7'-0" H. W. FENCE AT PROPERTY LINE. (N) BIORETENTION AND UNDERDRAIN. SEE CIVIL PLAN. (E) CMU WALL WITH WOOD FENCE TO BE REMOVED. SEE CIVIL PLAN (E) TRANSFORMER (N) PAVING AND DRAINAGE. SEE CIVIL PLAN. (N) BIKE TRAIL. 3'-0" WIDE. SEE CIVIL PLAN. (E) EXISTING SIDEWALK AT SENTER TO BE MODIFIED AND COMBINED WITH 4'-0" DECKING. PROVIDE TREE WELLS AS NOTED. 	<ol style="list-style-type: none"> DISABLED ACCESS NOTES THE MAX. SLOPE OF THE PARKING SURFACE AT THE ACCESSIBLE SPACE, IN ANY DIRECTION IS <1/4" PER FT. (2.0%). THE MAX. SLOPE AT THE PASSENGER LOADING ZONE IS TO BE <2%. WALKS ALONG AN ACCESSIBLE ROUTE OF TRAVEL ARE REQUIRED TO BE >48" MIN. IN WIDTH AND HAVE RESISTANT SLP SURFACES. THE MAX. PERMITTED CROSS SLOPE SHALL BE <1/4". ABRUPT LEVEL CHANGES WILL BE <1/2" ALONG ANY ACCESSIBLE ROUTE OF TRAVEL WHEN CHANGES OCCUR. THEY SHALL BE REVEALED WITH A SLOPE OF <1:12. LEVEL CHANGES OF <1/4" MAY BE VERTICAL. A 60" x 60" LEVEL AREAS PROVIDED AT AREAS WHERE A DOOR (OR GATE) SWINGS TOWARD THE WALK IN THE ACCESSIBLE ROUTE OF TRAVEL. THE WALK SHALL EXTEND >24" BEYOND THE STRIKE EDGE OF ANY DOOR (OR GATE) THAT SWINGS TOWARD THE WALK. >80" HEADROOM SHALL BE PROVIDED FROM ALL WALKWAY SURFACES TO OBSTRUCTIONS. ANY PATH OF TRAVEL WITH A SLOPE >1:20 (5%) MUST COMPLY WITH PEDESTRIAN RAMP REQUIREMENTS. ALLOWABLE SLOPE FOR AN ACCESSIBLE RAMP IS <1:12 (8.33%). THE ALLOWABLE CROSS SLOPE AT PEDESTRIAN RAMPS SHALL BE <1/4" PER FOOT (2%). RAMP SURFACES SHALL BE SLIP RESISTANT. RAMPS SHALL HAVE A MIN. WIDTH OF 48" & SHALL NOT ENCRUSCH INTO ACCESSIBLE PARKING SPACES. INSTALL H/C SYMBOUS AT ALL H/C ACCESSIBLE ENTRY DOORS H/C PATH OF TRAVEL TO PUBLIC R.O.W. SHALL HAVE ONE FOOT-CANDLE MIN. LIGHTING. ACCESSIBLE PATH OF TRAVEL SLOPE SHALL NOT EXCEED 5% IN TRAVEL DIRECTION AND 2% CROSS SLOPE. 	

DATE: 02/07/23
DRAWN BY: JLM
SCALE: AS SHOWN

PRELIMINARY SITE

CLIENT: Mr. Lance Alworth
August Ventures LLC
PROJECT TITLE: SENTER SELF-STORAGE SENTER ROAD AT E ALMA AVENUE, SAN JOSE, CA

ARCHITECT: **1. Conroy & Moore**
ARCHITECT