

**TREE PROTECTION PLAN
FOR THE MALIBU JEWISH CENTER &
SYNAGOGUE, 24855 PACIFIC COAST
HIGHWAY, MALIBU, CALIFORNIA**



Prepared for:

CITY OF MALIBU

On behalf of:

DAVID LAWRENCE GRAY ARCHITECTS

September 2014, Updated September 2017

Mission Statement

*To provide quality environmental consulting
services with integrity that protect and
enhance the human and natural environment*



**Tree Protection Plan
for the Malibu Jewish Center & Synagogue,
24855 Pacific Coast Highway, Malibu,
California**

Prepared for:

City of Malibu

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29 September 2014, Updated 17 September 2017

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SECTION I. INTRODUCTION

BACKGROUND

David Magney Environmental Consulting (DMEC) was contracted to conduct a tree assessment and impacts analysis with protection plan for the subject property and proposed project at the request of Mark Meyer of David Lawrence Gray Architects, project architect. The project site and grading plans were prepared by David Lawrence Gray Architects, of Los Angeles, California.

PROJECT PURPOSE AND SCOPE

The proposed project involves the demolition of existing structures and construction of a new two-story school with basement garage and chapel facility. The parcel is approximately 4.63 acres in size (Los Angeles County parcel data indicates an area of 202,078 square feet). The total footprint of the structures to be built is approximately 0.43 acre. The school building footprint is almost entirely within the footprint of the existing structures, and the chapel footprint is entirely within a previously graded/disturbed area.

PROJECT LOCATION

The project site is located in the City of Malibu in western Los Angeles County illustrated in Figure 1 – General Project Site Location. The Malibu Jewish Center & Synagogue (project site) is located at 24855 Pacific Coast Highway (PCH), Malibu, Los Angeles County, California (AIN 4458-032-027). The project site is east of Corral Canyon Road, and between PCH and Puerco Canyon Creek, as shown on Figure 1 – General Project Site Location. The site is in the Malibu Beach Quadrangle (USGS 7.5-minute Series) at the approximate geographic coordinates of 34.034°N latitude and -118.717°W longitude, located in the Topanga Malibu Sequit Mexican Land Grant, at the logical location of SW¼ NE¼ Section 1 T3S R18W, San Bernardino Base Line.

The Malibu Jewish Center & Synagogue is partially in the Puerco Canyon watershed at an elevation of approximately 160 feet (50 meters) above mean sea level. The parcel is wedge-shaped trending east-west. The project site, and all of Puerco Canyon, is within the Coastal Zone. The project site and proposed project footprint are illustrated in Figure 2 – Project Site and Project Footprint.

Figure 1 – General Project Site Location

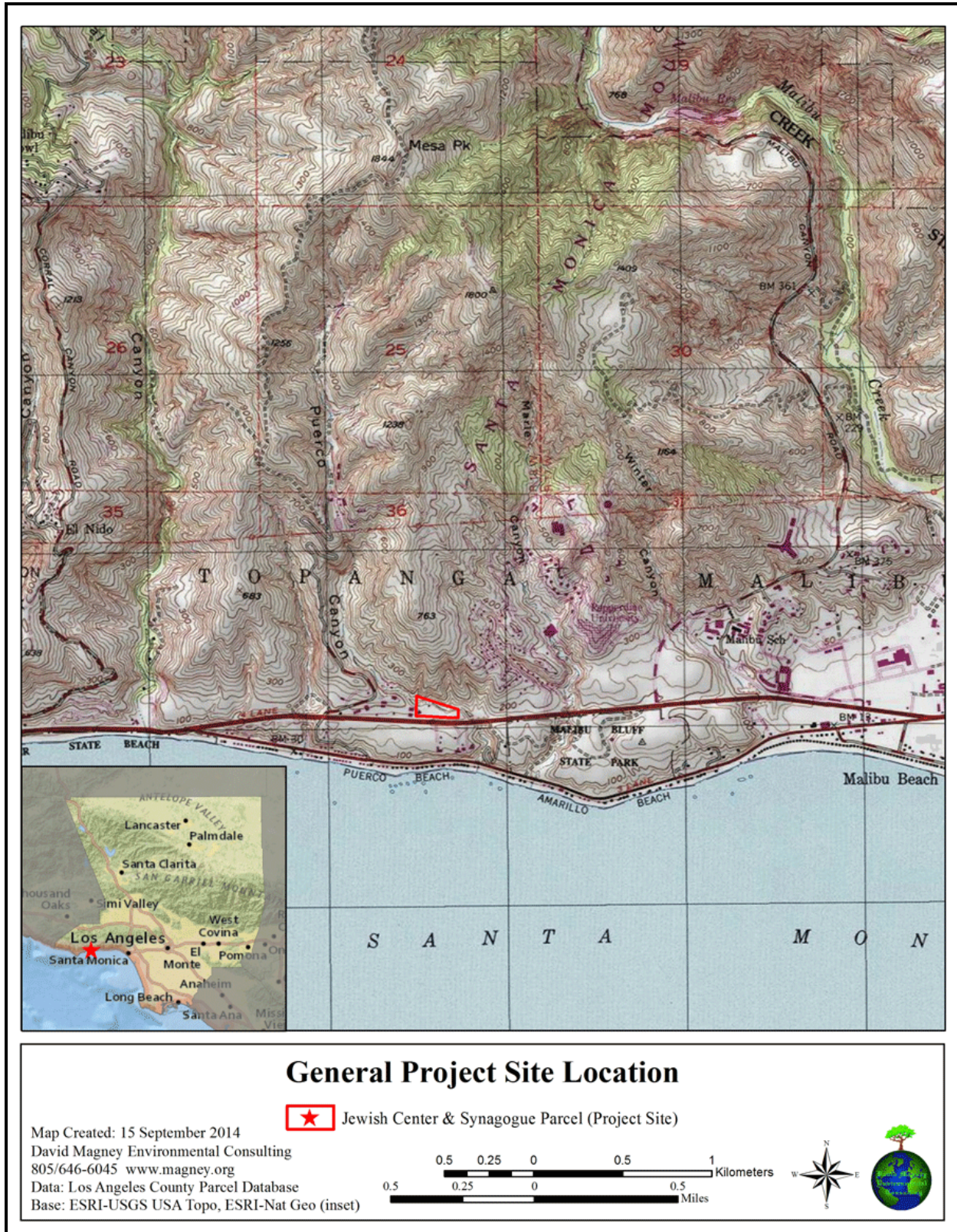


Figure 2 – Project Site and Project Footprint



SECTION II. METHODS

FIELD ASSESSMENT

Current health conditions were assessed according to direct observations and non-invasive measurements and recorded on DMEC's field tree assessment forms based on International Society of Arboriculture (ISA) assessment guidelines. The field assessment was conducted on 28 August and 3 September 2014. DMEC ISA Certified Arborist (WE-7674A), David Magney, and assistant Evan Lashly conducted the assessments. Mr. Magney visited the project site on 28 February 2017 to determine changes in site conditions but did not re-assess the trees.

DMEC used an in-house field assessment form that is based on ISA assessment guidelines. Each tree's size and health condition were assessed based on direct observations and non-invasive measurements and recorded on DMEC's field assessment forms (included as Appendix A), one form for each tree assessed. DMEC examined the trunk, scaffolding branches, small branches and twigs, foliage, root collar, and roots (where possible) of each individual tree. Photographs were taken of each tree. DMEC has assigned unique numbers and tags to each tree assessed. DMEC has evaluated the health condition of each individual tree and identified potential contributing factors to the condition of each individual tree. A full risk assessment and valuation was **not** performed.

DMEC used field measurements in combination with proposed development plans provided by Mark Meyer of David Gray Architects and ESRI GIS software (ArcMap 10.2 and associated programs) to map the locations of trees onsite and conduct impact analysis.

SECTION III. EXISTING TREE CONDITIONS

TREES

The project site contains a variety of mature native tree species afforded protection under the City of Malibu Native Tree Protection Ordinance. The City of Malibu LCP Local Implementation Plan (Chapter 5 Section 2) affords protection to several native species of trees that have at least one trunk measuring six inches or more in diameter, or a combination of any two trunks measuring a total of eight inches or more in diameter, measured at four and one-half feet above grade.

DMEC identified 19 trees onsite that meet these criteria and have potential to be impacted by the proposed development. These trees include nine (9) Coast Live Oaks (*Quercus agrifolia* var. *agrifolia*), eight (8) Western Sycamores (*Platanus racemosa* ssp. *racemosa*), and one (1) Southern California Black Walnut (*Juglans californica*). DMEC also identified two (2) Arroyo Willows (*Salix lasiolepis* var. *lasiolepis*) with potential to be impacted by the project. Arroyo Willow is not protected under the City of Malibu Tree Protection Ordinance; however, these trees exist in the same area as many formally protected trees and thus are mentioned and included in this plan.

LOCATION OF TREES

All trees onsite that will potentially be impacted by the proposed development are located on the western half of the project parcel. Two (2) Western Sycamore trees that will be required to be removed for the proposed project exist near the parcels western boundary within a toddler playground (Photo #1). Three (3) Coast Live Oak trees that will be required to be removed or relocated for the proposed project exist in a landscaped area just west of the center of the parcel and north of the current parking lot (Photo #2). The remaining sixteen (16) trees, seven (7) Coast Live Oaks, six (6) Western Sycamores, two (2) Arroyo Willows, and one (1) Southern California Black Walnut exist in a more-or-less linear grove trending east-west, just north of the proposed site of development on a hillside above Puerco Canyon Creek (Photo #3). All approximate species and locations of trees potentially impacted by the proposed project are illustrated in Figure 3 – Locations of Trees on Project Site and with the identification numbers assigned by DMEC in Figure 4 – Assigned Numbers of Trees on Project Site.

A mixed Coast Live Oak and Southern California Walnut Woodland exists on the steep hillside east of the DMEC identified trees and north northeast of the proposed development (Photo #4). DMEC did not map or assess any of the trees within this woodland, as DMEC expects no significant impacts will occur.

Figure 3 – Locations of Trees on Project Site



Figure 4 – Assigned Numbers of Trees on Project Site



Source: Esri, DigitalGlobe, GeoEye, Earthstar Geographics, CNES/Airbus DS, USDA, USGS, AeroGRID, IGN, and the GIS User Community

Assigned Numbers of Trees on Project Site

- | | | |
|-------------------------------|------------------|----------------------------|
| Project Parcel | Development Area | Tree Species/Tag # |
| Existing & Proposed Buildings | Woodland | <i>Juglans californica</i> |
| | | <i>Quercus agrifolia</i> |
| | | <i>Platanus racemosa</i> |
| | | <i>Salix lasiolepis</i> |

Map Created: 17 September 2017
 David Magney Environmental Consulting
 P.O. Box 1539, Cedar Ridge, CA 95924
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 Datum: NAD83 Projection: State Plane CA Zone V Feet
 Source: DMEC, ESRI

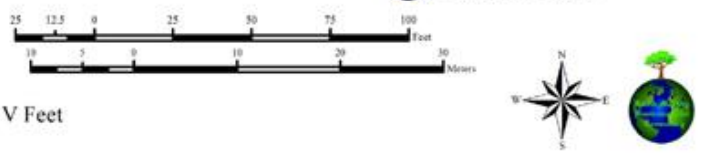




Photo 1 (left): Trees 1 & 2, Western Sycamore (Platanus racemosa) existing in the toddler playground on the west edge of the property, required for removal.

Photo 2 (right): Trees 19,20, & 21, Coast Live Oak (Quercus agrifolia) existing in a landscaped area and required for removal where planted onsite in 2006.



Photo3 (left): Mixed Oak-Sycamore Woodland existing north of the proposed project footprint, general location of trees 3 through 18.

Photo 4 (right): Oak-Walnut Woodland northeast of the proposed project footprint existing on a steep north facing hillside.

CONDITION OF TREES

Examination of historic aerial imagery reveals that many of the potentially impacted trees on the project site were planted following development sometime between 1994 and 2002. The area directly north of the project footprint is visibly occupied by trees in 1990 (prior to any development aside from some clearing/grading), then clear in 1994, and then occupied again in 2002. This evidence is supported by the roughly equal size of all trees existing in a relatively straight line directly north of the project footprint. Younger successful recruits also exist in this area, as well as older, larger trees further down slope.

All trees potentially impacted by the proposed project are in moderate-good (2 trees) to good (17 trees) condition, with two (2) exceptions: one Arroyo Willow (Tree DMEC5); and one Western Sycamore (Tree DMEC2).

Tree DMEC5, an Arroyo Willow located north of the proposed development, is a nearly entirely dead tree that has been trimmed back completely to the trunk. The signs of life are several trunk sprouts growing from the north side of the base of the trunk. Tree DMEC2, a Western Sycamore located west of the proposed development, is in overall moderate condition aside from the trunk, which is in poor condition. There is significant damage to the trunk from bark boring insects. Numerous bore holes, insect molts, and substantial buildup of frass (fecal material and/or excavation debris) are visible around the trunk (Photo #5).

The remaining nineteen (19) trees are all in moderate-good to good condition.

Substantial soil compaction has occurred and some impervious surfaces have been installed in the root zones of the 16 trees located just north of the proposed developments. However, these trees have tolerated these conditions for over 10 years and still display healthy vigorous characteristics, indicating they are well adapted to their current surroundings.

The three Coast Live Oak trees existing in a landscaped area were planted in 2006, supported by examining historic aerial imagery between March 2006 and October 2007 and are relative young and small (<20 feet tall). They all appear healthy and vigorous; however, all have densely clustered trunks with some included bark that may develop into a hazardous condition as they continue to grow.



Photo 5 (left): Tree #13, Western Sycamore (Platanus racemosa), in generally good condition with sound trunk but somewhat sparse canopy.

Photo 6 (right): Tree #2, Western Sycamore (Platanus racemosa), bark borer insect molt and some frass visible on the trunk..



*Photo 7 (left): Tree #3, Southern California Black Walnut (*Juglans californica*), in generally good condition near the northwest corner of the proposed project footprint.*

*Photo 8 (right): Tree #17, Coast Live Oak (*Quercus agrifolia*), DMEC assigned number tag and trunk with significant new growth visible.*

SECTION IV. ASSESSMENT OF IMPACTS TO TREES

PROJECT RELATED IMPACTS

The construction of the proposed project will result in the loss of two (2) trees onsite, two (2) Western Sycamores west of the project footprint in the toddler playground. Three (3) Coast Live Oak trees on the southeast edge of the project footprint occur in a landscaped area. The three (3) planted Coast Live Oaks existing in the landscaped area will not be removed; however, their Tree Protection Zones (TPZs) (the maximum extent of the canopy plus 15 feet) will be encroached upon during construction.

Mark Meyer of David Lawrence Gray Architects indicated that the playground area, lawn, and sandboxed north of the current facilities are to remain in place during construction of the proposed project (Photos # 9 & 10). Retention of these features should provide protection against significant impacts to the remaining sixteen (16) trees existing north of the proposed project footprint. Significant impacts to these trees are only expected if substantial alteration of the surface occurs within the TPZ. These trees are well adapted to their current location and the current extent of impervious surfaces and compacted soils that exist within the playground, lawn, and sandbox areas north of the current facilities.

The mixed Oak-Walnut Woodland existing to the north and northeast of the proposed project footprint is not expected to be impacted. Several large mature Coast Live Oak and Southern California Black Walnut individuals exist on the steep hillside; however, they are far enough removed (horizontally and vertically) from the proposed project footprint to avoid significant impact. Significant impacts to this woodland and riparian community below could occur if significant runoff and/or dumping of debris/sediments/fluids occur on the hillside during construction activities.

The assigned number, species, current condition, and expected impacts of each tree identified onsite by DMEC are summarized in Table 1 – Summary of Trees Onsite.



Photo 9(left): View east from near the northwest corner of the proposed project footprint of playground and sandbox area to be preserved. Photo 10(right): View west from north of the proposed project footprint of playground and sandbox area to be preserved.



Table 1 – Summary of Trees Onsite

Number	Scientific Name	Common Name	DBH (inches)	Condition	Expected Significant Impacts
DMEC1	<i>Platanus racemosa</i>	Western Sycamore	20.5	Good	Unavoidable
DMEC2	<i>Platanus racemosa</i>	Western Sycamore	15.8, 15.5	Moderate (Trunk Poor)	Unavoidable
DMEC3	<i>Juglans californica</i>	S. Calif. Black Walnut	5, 5, 4, 3	Good	Potential
DMEC4	<i>Quercus agrifolia</i>	Coast Live Oak	5.5, 15.5, 10.5	Moderate-Good	Potential
DMEC5	<i>Salix lasiolepis</i>	Arroyo Willow	NA	Dead	None
DMEC6	<i>Quercus agrifolia</i>	Coast Live Oak	14.45	Good	Potential
DMEC7	<i>Platanus racemosa</i>	Western Sycamore	18	Good	Unlikely
DMEC8	<i>Quercus agrifolia</i>	Coast Live Oak	12	Good	Potential
DMEC9	<i>Platanus racemosa</i>	Western Sycamore	16.45, 12.05	Good	Potential
DMEC10	<i>Platanus racemosa</i>	Western Sycamore	19.2	Good	Unlikely
DMEC11	<i>Quercus agrifolia</i>	Coast Live Oak	10.3	Good	Potential
DMEC12	<i>Platanus racemosa</i>	Western Sycamore	10.5	Good	Unlikely
DMEC13	<i>Platanus racemosa</i>	Western Sycamore	17.1	Good	Potential
DMEC14	<i>Platanus racemosa</i>	Western Sycamore	20	Good	Potential
DMEC15	<i>Salix lasiolepis</i>	Arroyo Willow	13.7	Poor	Potential
DMEC16	<i>Quercus agrifolia</i>	Coast Live Oak	8.75, 12.9	Good	Potential
DMEC17	<i>Quercus agrifolia</i>	Coast Live Oak	19	Good	Potential
DMEC18	<i>Quercus agrifolia</i>	Coast Live Oak	12.8, 4.6	Moderate-Good	Potential
DMEC19 ¹	<i>Quercus agrifolia</i>	Coast Live Oak	7.2, 3.7	Good	Unavoidable
DMEC20	<i>Quercus agrifolia</i>	Coast Live Oak	8, 3.5, 7.4, 8.1	Good	Unavoidable
DMEC21	<i>Quercus agrifolia</i>	Coast Live Oak	7.6, 5.2, 2.7	Good	Unavoidable

¹ Trees 19 through 21 were planted in 2006

SECTION VI. CONCLUSIONS AND RECOMMENDATIONS

The proposed project will result in impacts to native trees regulated under the City of Malibu's Native Tree Protection Ordinance. Twenty-one (21) mature trees occur within or adjacent to the development footprint, nineteen (19) of which are trees regulated by the City of Malibu.

The proposed project will result in the unavoidable removal and loss of two (2) Western Sycamore trees. DMEC recommends that this loss of these two trees be mitigated onsite by planting of Western Sycamore at a ratio of no less than 10-to-1.

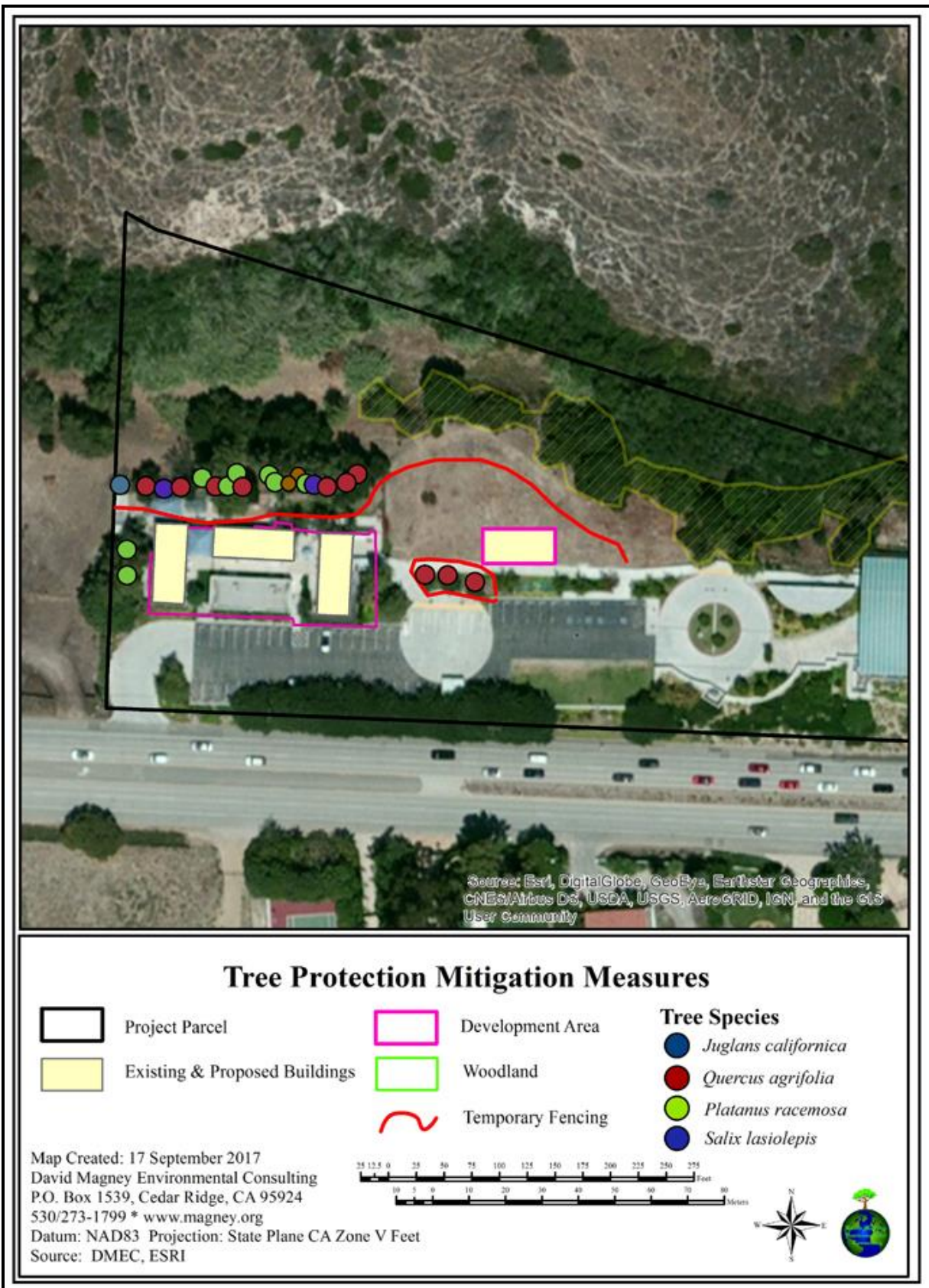
In addition, the proposed project may result in the encroachment of the TPZ and potential harm of three (3) planted Coast Live Oak trees. DMEC recommends that these three trees be protected during construction by erecting a temporary fence around the TPZ of these trees to the maximum extent possible and monitored by a Certified Arborist immediately prior to start of construction, as illustrated in Figure 5. Following completion of construction activities, DMEC recommends these trees be managed and monitored annually by a Certified Arborist for a period of no less than five (5) years to determine their health, or decline in health, as a result of construction within their TPZs. In the event that the trees are damaged by/during construction, DMEC recommends that the loss of these three trees be mitigated by onsite planting at a ratio of no less than 10-to-1.

The proposed project will result in potential significant impacts to nineteen (19) trees including one (1) Southern California Walnut, two (2) Arroyo Willows, seven (10) Coast Live Oaks, and six (6) Western Sycamores. These potential impacts can be avoided by retaining the current surface features (e.g. lawn, playground, sandboxes) north of the proposed project footprint, adjacent to the trees, hereafter referred to as the "Tree Protection Zone" or TPZ. Alteration of surface features in the TPZ will likely result in significant impacts to these nineteen (19) trees. While the two (2) Arroyo Willows are not regulated under the City of Malibu's Native Tree Protection Ordinance, they exist in the area occupied by the remaining fourteen (14) regulated trees and will require no additional avoidance or mitigation measures to be preserved.

DMEC further recommends establishment of a temporary fence along the edge of the canopy of these trees, or as close to the footprint of development as possible to limit alteration or activity in the TPZ to the minimum extent possible. The approximate location of this fencing placed to protect the trees' TPZs is illustrated in Figure 5.

The proposed project may result in potential significant impacts to mixed Coast Live Oak-Southern California Black Walnut Woodland located north and northeast of the project footprint. Significant impacts would occur as a result of substantial runoff or dumping of fluids/sediments/debris down the north-facing hillside, upon which the woodland occurs. DMEC recommends establishment of a temporary fence, placed several feet back from the edge of the hillside, to prevent such dumping or runoff. The approximate location of this fencing is illustrated in Figure 5.

Figure 5 – Mitigation and Avoidance Measures





SECTION VII. ACKNOWLEDGEMENTS

This report was written by Evan Lashly and David Magney. Graphics were created by Mr. Lashly and updated by Mr. Magney. The original report was reviewed and edited by Mr. Magney and proofread by Vickie Peters, with all changes for the updated version performed by Mr. Magney.

Mark Meyer provided guidance and assistance with the project description and providing current project plans and drawings.



APPENDIX: TREE FIELD EVALUATION FORMS

David Magney Environmental Consulting

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 E-mail: david@magney.org Voice 805/646-6045 or 530/273-1799 * 805/701-2132 Cell
 www.magney.org

TREE ASSESSMENT FIELD FORM

Client: GRAY - Jewish Comm. Gr **Location/Site:** Jewish Comm. Gr **Date:** 8/28/14
Tree No. 1 **Photo Nos.:** _____ w/Pool

Species: PLATANUS RAEMOSA

Height: 50 ft **Height to canopy:** 5 ft **Canopy Crown diameter:** _____ ft

Trunk(s) 1 **dbh:** Trunk 1: 20.5" 2: _____ 3: _____ 4: _____ 5: _____

Canopy measurements:

North: 30 ft; East: 35 ft;

South: 15 ft; West: 15 ft

Balanced? Yes/No describe: LEANING E

Symmetrical? Yes/No ASIDE FROM LEAN

Canopy diagram:



Root Conditions: (Ratings: 1 [extreme problems], 2 [major problems], 3 [minor problems], 4 [no apparent problems])

Root anchorage 4; Collar/flare soundness 4; Mechanical injury 4; Girdling/kinked roots 2;
 Compaction/waterlogged 2; Toxic gases/chemical symptoms 4; Insects/diseases 3 some FRASS
 Fungal infections 4. Notes: COMPACTION & SIDEWALKS CAUSING KINKING OTHERWISE GOOD

Trunk Condition: Sound bark & wood 4; Cavities 3; Mechanical or fire injury 4; Cracks 3;

Swollen or sunken areas 3; Insects or disease 4; Conks 4. Notes: MANY SMALL CRACKS - SHALLOW w/ NEW GROWTH

Scaffold Branches: Strong attachments 3; Smaller dia. Than trunk where attached 3; Vertical branch distribution 4; Free of included bark 3; Free of decay & cavities 4; Well pruned 3; Well proportioned/proper taper 4; Wound closure 4; Deadwood or fire injury 4; Insects/disease 4.
 Notes: _____

Small Branches and Twigs: Vigor of current shoots (compare previous growth) 4; Well distributed through canopy 4; Appearance of buds (color, shape, size for the species) 4; Insects/disease 4; Weak or dead twigs 4. Notes: _____

Foliage and/or Buds: Size of foliage/buds 4; Coloration of foliage 4; Nutrient status 3;
 Herbicide/chemical/pollution injury 4; Wilted or dead leaves 4; Dry buds 4; Insects/disease 3
 Notes: SOME LEAVES DISCOLORED, LOSSELY DUE TO SEASON SPICE MITE

Pruning Instructions: _____

General Condition: GOOD

Hazardous? Yes/No/Maybe NO **Target Present?** Yes/No NO

Recommendations: REQUIRED FOR REMOVAL FOR PROJECT

David Magney Environmental Consulting

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TREE ASSESSMENT FIELD FORM

Client: GRAY Location/Site: JEWISH CIR Date: 8/26/14
Tree No. 2 Photo Nos.: _____ WP002

Species: PLATANUS BALSAMICA LONDON PLANE TREE?

Height: 45 ft Height to canopy: 4.5 ft Canopy Crown diameter: _____ ft

Trunk(s) 2 dbh: Trunk 1: 15.0" 2: 15.5" 3: _____ 4: _____ 5: _____

Canopy measurements:

North: 15 ft; East: 20 ft;

South: 20 ft; West: 20 ft

Balanced? Yes/No: describe: _____

Symmetrical? Yes/No

Canopy diagram:



Root Conditions: (Ratings: 1 [extreme problems], 2 [major problems], 3 [minor problems], 4 [no apparent problems])

Root anchorage 4; Collar/flare soundness 4; Mechanical injury 4; Girdling/kinked roots 3;

Compaction/waterlogged 2; Toxic gases/chemical symptoms 4; Insects/diseases 4;

Fungal infections 4. Notes: COMPACTION & SIDEWALKS, MINOR GIRDLING WALL NEXT DOOR

Trunk Condition: Sound bark & wood 4; Cavities 4; Mechanical or fire injury 4; Cracks 2;

Swollen or sunken areas 3; Insects or disease 1; Conks 4. Notes: MASOR LEANS & BORING INSECTS

Scaffold Branches: Strong attachments 4; Smaller dia. Than trunk where attached 4; Vertical

branch distribution 4; Free of included bark 3; Free of decay & cavities 4; Well pruned 3; Well

proportioned/proper taper 4; Wound closure 4; Deadwood or fire injury 4; Insects/disease 4.

Notes: _____

Small Branches and Twigs: Vigor of current shoots (compare previous growth) 4; Well distributed

through canopy 4; Appearance of buds (color, shape, size for the species) 4; Insects/disease 4; Weak

or dead twigs 4. Notes: _____

Foliage and/or Buds: Size of foliage/buds 4; Coloration of foliage 4; Nutrient status 4;

Herbicide/chemical/pollution injury 4; Wilted or dead leaves 3; Dry buds 4; Insects/disease 3.

Notes: SOME RUBBING FROM INSECTS

Pruning Instructions: _____

General Condition: MATHEW - TRUNK POOR

Hazardous? Yes/No/Maybe Target Present? Yes/No _____

Recommendations: REQ REMOVAL FOR PROJECT

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TREE ASSESSMENT FIELD FORM

Client: GRAY Location/Site: JEWISH CIR Date: 8/29/14

Tree No. 3 Photo Nos.: _____

Species: JUQUANS CALIFORNICA WFO10

Height: 15 ft Height to canopy: 3 ft Canopy Crown diameter: _____ ft

Trunk(s) 4 dbh: Trunk 1: 5 2: 5 3: 4 4: 3 5: _____

Canopy measurements:

North: 12 ft; East: 4 ft;

South: 6 ft; West: 8 ft

Balanced? Yes No describe: _____

Symmetrical? Yes No

Canopy diagram:



Root Conditions: (Ratings: 1 [extreme problems], 2 [major problems], 3 [minor problems], 4 [no apparent problems])

Root anchorage 4; Collar/flare soundness 3; Mechanical injury 4; Girdling/kinked roots 3;

Compaction/waterlogged 3; Toxic gases/chemical symptoms 4; Insects/diseases 4;

Fungal infections 4. Notes: UP AGAINST SHED, COMPACTION & IMPERVIOUS TO S, TRUNKS 1 & 2 TANGLED, RUBBING

Trunk Condition: Sound bark & wood 4; Cavities 4; Mechanical or fire injury 3; Cracks 4;

Swollen or sunken areas 3; Insects or disease 4; Conks 4. Notes: 1 & 2 TANGLED @ BASE, PRUNING HEALING

Scaffold Branches: Strong attachments 4; Smaller dia. Than trunk where attached 4; Vertical branch distribution 4; Free of included bark 3; Free of decay & cavities 3; Well pruned 3; Well proportioned/proper taper 3; Wound closure 3; Deadwood or fire injury 4; Insects/disease 4.

Notes: LOTS OF PRUNING DOWN LOW, BUT HEALING OCCURRING

Small Branches and Twigs: Vigor of current shoots (compare previous growth) 4; Well distributed through canopy 4; Appearance of buds (color, shape, size for the species) 4; Insects/disease 4; Weak or dead twigs 4. Notes: _____

Foliage and/or Buds: Size of foliage/buds 4; Coloration of foliage 3; Nutrient status 4; Herbicide/chemical/pollution injury 4; Wilted or dead leaves 4; Dry buds 4; Insects/disease 2.

Notes: MANY EATEN LEAVES (PHOTOS)

Pruning Instructions: _____

General Condition: GOOD

Hazardous? Yes No Maybe **Target Present?** Yes No SHED

Recommendations: NOTES: NW CORNER OF PROPERTY, AREA ALREADY COMPACTED
WHERE IMPACT IS POSSIBLY GOING TO OCCUR



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TREE ASSESSMENT FIELD FORM

Client: GRAY **Location/Site:** JEWISH CR **Date:** 8/28/14

Tree No. 4 **Photo Nos.:** _____

Species: QUERCUS ARIIFOLIA WPO11

Height: 25 ft **Height to canopy:** 2 ft **Canopy Crown diameter:** _____ ft

Trunk(s) 3 **dbh:** Trunk 1: 5.5 2: 15.2 3: 10.5 4: _____ 5: _____

Canopy measurements:

North: 25 ft; East: 15 ft;

South: 15 ft; West: 25 ft

Balanced? Yes/ No; describe: HEAVY BRANCHES TENDING S.

Symmetrical? Yes/ No

Canopy diagram:



Root Conditions: (Ratings: 1 [extreme problems], 2 [major problems], 3 [minor problems], 4 [no apparent problems])

Root anchorage 4; Collar/flare soundness 3; Mechanical injury 4; Girdling/kinked roots 3;

Compaction/waterlogged 3; Toxic gases/chemical symptoms 4; Insects/diseases 4;

Fungal infections 4. Notes: COLEA VISIBLE ON N. COMPACTION (SANDBOX) TO S.

Trunk Condition: Sound bark & wood 4; Cavities 4; Mechanical or fire injury 4; Cracks 4;

Swollen or sunken areas 3; Insects or disease 4; Conks 4. Notes: MINOR SINCERE BARK, NEW GROWTH VISIBLE, MUCH INCLUDED, DARK

Scaffold Branches: Strong attachments 3; Smaller dia. Than trunk where attached 2; Vertical

branch distribution 2; Free of included bark 2; Free of decay & cavities 4; Well pruned 2; Well

proportioned/proper taper 4; Wound closure 4; Deadwood or fire injury 4; Insects/disease 4.

Notes: SEVERAL SPOTS W/ SIGNIFICANT RUBBING, BUT MUCH NEW GROWTH VIZ

Small Branches and Twigs: Vigor of current shoots (compare previous growth) 4; Well distributed

through canopy 4; Appearance of buds (color, shape, size for the species) 4; Insects/disease 4; Weak

or dead twigs 4. Notes: _____

Foliage and/or Buds: Size of foliage/buds 4; Coloration of foliage 4; Nutrient status 4;

Herbicide/chemical/pollution injury 4; Wilted or dead leaves 4; Dry buds 4; Insects/disease 3.

Notes: MINOR WILTIER

Pruning Instructions: BE CAREFUL MANAGE RUBBING SCAFFOLD

General Condition: MODERATE - GOOD

Hazardous? Yes/ No/ Maybe **Target Present?** Yes/ No SANDBOX / YARD -> PROPOSED PROJ?

Recommendations: W/ CONTINUED RUBBING (IN DIRECTION OF PROPOSED PROJECT)



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TREE ASSESSMENT FIELD FORM

Client: Urban Location/Site: Jewish CE Date: 9/28/14

Tree No. 5 Photo Nos.: _____

Species: SALIX LASIOLEPIS → DEAD WILLOW w/ TANK SPROUTS

Height: _____ ft Height to canopy: _____ ft Canopy Crown diameter: _____ ft

Trunk(s) _____" dbh: Trunk 1: _____ 2: _____ 3: _____ 4: _____ 5: _____

Canopy measurements:

North: _____ ft; East: _____ ft;

South: _____ ft; West: _____ ft

Balanced? Yes/No: describe: _____

Symmetrical? Yes/No

Canopy diagram:

Root Conditions: (Ratings: 1 [extreme problems], 2 [major problems], 3 [minor problems], 4 [no apparent problems])

Root anchorage ___; Collar/flare soundness ___; Mechanical injury ___; Girdling/kinked roots ___;

Compaction/waterlogged ___; Toxic gases/chemical symptoms ___; Insects/diseases ___;

Fungal infections ___. Notes: _____

Trunk Condition: Sound bark & wood ___; Cavities ___; Mechanical or fire injury ___; Cracks ___;

Swollen or sunken areas ___; Insects or disease ___; Conks ___. Notes: _____

Scaffold Branches: Strong attachments ___; Smaller dia. Than trunk where attached ___; Vertical

branch distribution ___; Free of included bark ___; Free of decay & cavities ___; Well pruned ___; Well

proportioned/proper taper ___; Wound closure ___; Deadwood or fire injury ___; Insects/disease ___.

Notes: _____

Small Branches and Twigs: Vigor of current shoots (compare previous growth) ___; Well distributed

through canopy ___; Appearance of buds (color, shape, size for the species) ___; Insects/disease ___; Weak

or dead twigs ___. Notes: _____

Foliage and/or Buds: Size of foliage/buds ___; Coloration of foliage ___; Nutrient status ___;

Herbicide/chemical/pollution injury ___; Wilted or dead leaves ___; Dry buds ___; Insects/disease ___.

Notes: _____

Pruning Instructions: _____

General Condition: _____

Hazardous? Yes/No/Maybe **Target Present?** Yes/No _____

Recommendations: LARGELY DEAD → NO IMPACTS



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TREE ASSESSMENT FIELD FORM

Client: Gray Location/Site: Jewish CTR Date: 9/3/14

Tree No. 6 Photo Nos.: _____

Species: QUERCUS AEGLEA

Height: 25 ft Height to canopy: 6 ft Canopy Crown diameter: _____ ft

Trunk(s) 1 dbh: Trunk 1: 14.45 2: _____ 3: _____ 4: _____ 5: _____

Canopy measurements:

North: 15 ft; East: 10 ft;

South: 15 ft; West: 20 ft

Balanced? Yes/No: describe: TENDING SLIGHTLY N

Symmetrical? Yes/No

Canopy diagram:

Root Conditions: (Ratings: 1 [extreme problems], 2 [major problems], 3 [minor problems], 4 [no apparent problems])

Root anchorage 4; Collar/flare soundness 3; Mechanical injury 4; Girdling/kinked roots 4;

Compaction/waterlogged 3; Toxic gases/chemical symptoms 4; Insects/diseases 4;

Fungal infections 4. Notes: _____

Trunk Condition: Sound bark & wood 4; Cavities 4; Mechanical or fire injury 4; Cracks 4;

Swollen or sunken areas 3; Insects or disease 3; Conks 4. Notes: SMALL WEEPING WOUND VISIBLE

Scaffold Branches: Strong attachments 4; Smaller dia. Than trunk where attached 4; Vertical

branch distribution 4; Free of included bark 3; Free of decay & cavities 4; Well pruned 4; Well

proportioned/proper taper 4; Wound closure 4; Deadwood or fire injury 4; Insects/disease 4.

Notes: _____

Small Branches and Twigs: Vigor of current shoots (compare previous growth) 4; Well distributed

through canopy 4; Appearance of buds (color, shape, size for the species) 4; Insects/disease 4; Weak

or dead twigs 3. Notes: _____

Foliage and/or Buds: Size of foliage/buds 4; Coloration of foliage 4; Nutrient status 4;

Herbicide/chemical/pollution injury 4; Wilted or dead leaves 3; Dry buds 4; Insects/disease 4.

Notes: _____

Pruning Instructions: REMOVE DEAD WOOD

General Condition: GOOD

Hazardous? Yes/ No/Maybe Target Present? Yes/ No PLAYGROUND

Recommendations: _____



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TREE ASSESSMENT FIELD FORM

TREE# 10
DBH 14.2
NOT IN
IMPACT ZONE

Client: GRAY Location/Site: Jewish Ctr Date: 9/3/14

Tree No. 8 Photo Nos.: _____

Species: Quercus agrifolia

Height: 25 ft Height to canopy: _____ ft Canopy Crown diameter: _____ ft

Trunk(s) 1 dbh: Trunk 1: 12" 2: _____ 3: _____ 4: _____ 5: _____

Canopy measurements:

North: 3 ft; East: _____ ft;

South: _____ ft; West: _____ ft

Balanced? Yes/No: describe: TENDING S

Symmetrical? Yes/No

Canopy diagram:

Root Conditions: (Ratings: 1 [extreme problems], 2 [major problems], 3 [minor problems], 4 [no apparent problems])
Root anchorage 4; Collar/flare soundness 3; Mechanical injury 4; Girdling/kinked roots 4;
Compaction/waterlogged 3; Toxic gases/chemical symptoms 4; Insects/diseases 4;
Fungal infections 4. Notes: _____

Trunk Condition: Sound bark & wood 4; Cavities 4; Mechanical or fire injury 4; Cracks 4;
Swollen or sunken areas 3; Insects or disease 4; Conks 4. Notes: _____

Scaffold Branches: Strong attachments 4; Smaller dia. Than trunk where attached 3; Vertical
branch distribution 3; Free of included bark 4; Free of decay & cavities 4; Well pruned 4; Well
proportioned/proper taper 3; Wound closure 4; Deadwood or fire injury 4; Insects/disease 4.
Notes: _____

Small Branches and Twigs: Vigor of current shoots (compare previous growth) 4; Well distributed
through canopy 4; Appearance of buds (color, shape, size for the species) 4; Insects/disease 4; Weak
or dead twigs 3. Notes: _____

Foliage and/or Buds: Size of foliage/buds 4; Coloration of foliage 4; Nutrient status 4;
Herbicide/chemical/pollution injury 4; Wilted or dead leaves 3; Dry buds 4; Insects/disease 4.
Notes: _____

Pruning Instructions: REMOVE DEAD WOOD

General Condition: GOOD

Hazardous? Yes/No/Maybe: Yes/No Target Present? Yes/No

Recommendations: _____

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TREE ASSESSMENT FIELD FORM

Client: GRAY Location/Site: JEWISH CTR Date: 9/3/14

Tree No. 9 Photo Nos.: _____

Species: PLATANUS FACEIOSA

Height: 35 ft Height to canopy: 5 ft Canopy Crown diameter: _____ ft

Trunk(s) 2 dbh: Trunk 1: 16.45 2: 12.05 3: _____ 4: _____ 5: _____

Canopy measurements:

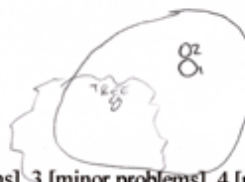
North: 8 ft; East: 5 ft;

South: 25 ft; West: 30 ft

Balanced? Yes/No: describe: _____

Symmetrical? Yes/No

Canopy diagram:



Root Conditions: (Ratings: 1 [extreme problems], 2 [major problems], 3 [minor problems], 4 [no apparent problems])

Root anchorage 4; Collar/flare soundness 3; Mechanical injury 4; Girdling/kinked roots 4;
Compaction/waterlogged 3; Toxic gases/chemical symptoms 4; Insects/diseases 4;
Fungal infections 4. Notes: _____

Trunk Condition: Sound bark & wood 4; Cavities 4; Mechanical or fire injury 4; Cracks 4;
Swollen or sunken areas 4; Insects or disease 4; Conks 4. Notes: _____

Scaffold Branches: Strong attachments 4; Smaller dia. Than trunk where attached 4; Vertical
branch distribution 4; Free of included bark 4; Free of decay & cavities 4; Well pruned 4; Well
proportioned/proper taper 4; Wound closure 4; Deadwood or fire injury 3; Insects/disease 4.
Notes: _____

Small Branches and Twigs: Vigor of current shoots (compare previous growth) 4; Well distributed
through canopy 4; Appearance of buds (color, shape, size for the species) 4; Insects/disease 4; Weak
or dead twigs 3. Notes: _____

Foliage and/or Buds: Size of foliage/buds 4; Coloration of foliage 4; Nutrient status 4;
Herbicide/chemical/pollution injury 4; Wilted or dead leaves 3; Dry buds 4; Insects/disease 4.
Notes: _____

Pruning Instructions: _____

General Condition: GOOD

Hazardous? Yes No Maybe Target Present? Yes No PLAYGROUND | BUILDING

Recommendations: REMOVED DEADWOOD FROM BRANCH ABOVE PLAYGROUND



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TREE ASSESSMENT FIELD FORM

Client: Gray Location/Site: Jewish Ctr Date: 9/3/14

Tree No. 10 Photo Nos.: _____

Species: PLATANUS RACEMOSA

Height: 40 ft Height to canopy: _____ ft Canopy Crown diameter: _____ ft

Trunk(s) 1 dbh: Trunk 1: 19.2 2: _____ 3: _____ 4: _____ 5: _____

Canopy measurements:

North: 20 ft; East: 12 ft;

South: 10 ft; West: 12 ft

Balanced? Yes/No: describe: TENDING N

Symmetrical? Yes/No

Canopy diagram:

Root Conditions: (Ratings: 1 [extreme problems], 2 [major problems], 3 [minor problems], 4 [no apparent problems])

Root anchorage _____; Collar/flare soundness _____; Mechanical injury _____; Girdling/kinked roots _____;

Compaction/waterlogged _____; Toxic gases/chemical symptoms _____; Insects/diseases _____;

Fungal infections _____. Notes: _____

Trunk Condition: Sound bark & wood _____; Cavities _____; Mechanical or fire injury _____; Cracks _____;

Swollen or sunken areas _____; Insects or disease _____; Conks _____. Notes: _____

Scaffold Branches: Strong attachments _____; Smaller dia. Than trunk where attached _____; Vertical branch distribution _____; Free of included bark _____; Free of decay & cavities _____; Well pruned _____; Well proportioned/proper taper _____; Wound closure _____; Deadwood or fire injury _____; Insects/disease _____. Notes: _____

Small Branches and Twigs: Vigor of current shoots (compare previous growth) _____; Well distributed through canopy _____; Appearance of buds (color, shape, size for the species) _____; Insects/disease _____; Weak or dead twigs _____. Notes: _____

Foliage and/or Buds: Size of foliage/buds _____; Coloration of foliage _____; Nutrient status _____; Herbicide/chemical/pollution injury _____; Wilted or dead leaves _____; Dry buds _____; Insects/disease _____. Notes: _____

Pruning Instructions: _____

General Condition: SAME CONDITION AS # 13

Hazardous? Yes/No/Maybe Target Present? Yes/No _____

Recommendations: _____



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TREE ASSESSMENT FIELD FORM

Client: Gray Location/Site: JEWISH CTR Date: 9/3/14

Tree No. 11 Photo Nos.: _____

Species: QUERCUS AGRIFOLIA

Height: 20 ft Height to canopy: 8 ft Canopy Crown diameter: _____ ft

Trunk(s) 1 dbh: Trunk 1: 10.3 2: _____ 3: _____ 4: _____ 5: _____

Canopy measurements:

North: 5 ft; East: 8 ft;

South: 15 ft; West: 7 ft

Balanced? Yes/ No describe: TENDING S

Symmetrical? Yes/ No

Canopy diagram:



Root Conditions: (Ratings: 1 [extreme problems], 2 [major problems], 3 [minor problems], 4 [no apparent problems])

Root anchorage 4; Collar/flare soundness 3; Mechanical injury 4; Girdling/kinked roots 3;

Compaction/waterlogged 3; Toxic gases/chemical symptoms 4; Insects/diseases 4;

Fungal infections 4. Notes: _____

Trunk Condition: Sound bark & wood 4; Cavities 4; Mechanical or fire injury 4; Cracks 4;

Swollen or sunken areas 3; Insects or disease 4; Conks _____. Notes: _____

Scaffold Branches: Strong attachments 3; Smaller dia. Than trunk where attached 4; Vertical

branch distribution 4; Free of included bark 3; Free of decay & cavities 4; Well pruned 4; Well

proportioned/proper taper 4; Wound closure 4; Deadwood or fire injury 4; Insects/disease 4.

Notes: _____

Small Branches and Twigs: Vigor of current shoots (compare previous growth) 4; Well distributed

through canopy 4; Appearance of buds (color, shape, size for the species) 4; Insects/disease 4; Weak

or dead twigs 4. Notes: _____

Foliage and/or Buds: Size of foliage/buds 4; Coloration of foliage 4; Nutrient status 4;

Herbicide/chemical/pollution injury 4; Wilted or dead leaves 4; Dry buds 4; Insects/disease 4.

Notes: _____

Pruning Instructions: _____

General Condition: GOOD

Hazardous? Yes/ No/Maybe Target Present? Yes/ No PLAYGROUND

Recommendations: _____



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TREE ASSESSMENT FIELD FORM

Client: Gray Location/Site: Jewish Ctr Date: 9/13/13

Tree No. 12 Photo Nos.: _____

Species: PLATANUS RACEMOSA

Height: 40 ft Height to canopy: 15 ft Canopy Crown diameter: _____ ft

Trunk(s) 1 dbh: Trunk 1: 10.5 2: _____ 3: _____ 4: _____ 5: _____

Canopy measurements:

North: 15 ft; East: 6 ft;

South: 12 ft; West: 10 ft

Balanced? Yes/No describe: TENDING SLIGHT ↗

Symmetrical? Yes/No

Canopy diagram:

Root Conditions: (Ratings: 1 [extreme problems], 2 [major problems], 3 [minor problems], 4 [no apparent problems])

Root anchorage 4; Collar/flare soundness 3; Mechanical injury 4; Girdling/kinked roots 4;

Compaction/waterlogged 4; Toxic gases/chemical symptoms 4; Insects/diseases 4;

Fungal infections 4. Notes: _____

Trunk Condition: Sound bark & wood 4; Cavities 4; Mechanical or fire injury 4; Cracks 4;

Swollen or sunken areas 3; Insects or disease 4; Conks 4. Notes: _____

Scaffold Branches: Strong attachments 4; Smaller dia. Than trunk where attached 4; Vertical

branch distribution 4; Free of included bark 4; Free of decay & cavities 4; Well pruned 4; Well

proportioned/proper taper 4; Wound closure 4; Deadwood or fire injury 4; Insects/disease 4.

Notes: _____

Small Branches and Twigs: Vigor of current shoots (compare previous growth) 3; Well distributed

through canopy 3; Appearance of buds (color, shape, size for the species) 3; Insects/disease 4; Weak

or dead twigs 2. Notes: SPARSE

Foliage and/or Buds: Size of foliage/buds 4; Coloration of foliage 3; Nutrient status 4;

Herbicide/chemical/pollution injury 4; Wilted or dead leaves 3; Dry buds 3; Insects/disease 3.

Notes: _____

Pruning Instructions: SPARSE

General Condition: GOOD

Hazardous? Yes/No/Maybe Target Present? Yes/No

Recommendations: _____



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TREE ASSESSMENT FIELD FORM

Client: GRAY Location/Site: JEWISH CER Date: 9/3/14

Tree No. 13 Photo Nos.: _____

Species: PLATANUS RACEMOSA

Height: 40 ft Height to canopy: 8 ft Canopy Crown diameter: _____ ft

Trunk(s) 1 dbh: Trunk 1: 17.1 2: _____ 3: _____ 4: _____ 5: _____

Canopy measurements:

North: 12 ft; East: 10 ft;

South: 15 ft; West: 20 ft

Balanced? Yes/No: describe: _____

Symmetrical? Yes/No

Canopy diagram:

Root Conditions: (Ratings: 1 [extreme problems], 2 [major problems], 3 [minor problems], 4 [no apparent problems])

Root anchorage 4; Collar/flare soundness 3; Mechanical injury 4; Girdling/kinked roots 4;

Compaction/waterlogged 4; Toxic gases/chemical symptoms 4; Insects/diseases 4;

Fungal infections 4. Notes: _____

Trunk Condition: Sound bark & wood 4; Cavities 4; Mechanical or fire injury 4; Cracks 11;

Swollen or sunken areas 3; Insects or disease 3; Conks 3. Notes: _____

Scaffold Branches: Strong attachments 4; Smaller dia. Than trunk where attached 4; Vertical

branch distribution 4; Free of included bark 3; Free of decay & cavities 4; Well pruned 4; Well

proportioned/proper taper 4; Wound closure 4; Deadwood or fire injury 4; Insects/disease 4;

Notes: _____

Small Branches and Twigs: Vigor of current shoots (compare previous growth) 3; Well distributed

through canopy 3; Appearance of buds (color, shape, size for the species) 3; Insects/disease 3; Weak

or dead twigs 3. Notes: SPARSE

Foliage and/or Buds: Size of foliage/buds 4; Coloration of foliage 3; Nutrient status 4;

Herbicide/chemical/pollution injury 4; Wilted or dead leaves 3; Dry buds 3; Insects/disease 3;

Notes: SPARSE

Pruning Instructions: ~~to remove~~

General Condition: Good

Hazardous? Yes No Maybe **Target Present?** Yes No

Recommendations: _____



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TREE ASSESSMENT FIELD FORM

Client: GRAY Location/Site: JEWISH CTR Date: 9/2/14

Tree No. 14 Photo Nos.: _____

Species: PLATANUS RACEMOSA

Height: 35 ft Height to canopy: 3 ft Canopy Crown diameter: _____ ft

Trunk(s) 1 dbh: Trunk 1: 20 2: _____ 3: _____ 4: _____ 5: _____

Canopy measurements:

North: 20 ft; East: 20 ft;

South: 20 ft; West: 12 ft

Balanced? Yes/No: describe: _____

Symmetrical? Yes/No

Canopy diagram:

Root Conditions: (Ratings: 1 [extreme problems], 2 [major problems], 3 [minor problems], 4 [no apparent problems])

Root anchorage 4; Collar/flare soundness 3; Mechanical injury 4; Girdling/kinked roots 4;

Compaction/waterlogged 4; Toxic gases/chemical symptoms 4; Insects/diseases 4;

Fungal infections 4. Notes: _____

Trunk Condition: Sound bark & wood 4; Cavities 4; Mechanical or fire injury 4; Cracks 4;

Swollen or sunken areas 3; Insects or disease 3; Conks 3. Notes: _____

Scaffold Branches: Strong attachments 4; Smaller dia. Than trunk where attached 4; Vertical

branch distribution 4; Free of included bark X3; Free of decay & cavities 4; Well pruned 4; Well

proportioned/proper taper 4; Wound closure 4; Deadwood or fire injury 4; Insects/disease 4.

Notes: _____

Small Branches and Twigs: Vigor of current shoots (compare previous growth) 3; Well distributed

through canopy 4; Appearance of buds (color, shape, size for the species) 3; Insects/disease 3; Weak

or dead twigs 3. Notes: SPARSE

Foliage and/or Buds: Size of foliage/buds 4; Coloration of foliage 4; Nutrient status 4;

Herbicide/chemical/pollution injury 4; Wilted or dead leaves 3; Dry buds 3; Insects/disease 3.

Notes: SPARSE

Pruning Instructions: REMOVE DEAD WOOD (LITTLE)

General Condition: GOOD

Hazardous? Yes No/Maybe Target Present? Yes/No LOW USE LAWN

Recommendations: _____



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TREE ASSESSMENT FIELD FORM

Client: GRAY Location/Site: JEWISH CTR Date: 9/3/14

Tree No. 15 Photo Nos.: _____

Species: Salix laetifolia

Height: 15 ft Height to canopy: 5 ft Canopy Crown diameter: _____ ft

Trunk(s) 1 dbh: Trunk 1: 13.7 2: _____ 3: _____ 4: _____ 5: _____

Canopy measurements:

North: 0 ft; East: 6 ft;

South: 10 ft; West: 12 ft

Balanced? Yes/No: describe: _____

Symmetrical? Yes/ No

Canopy diagram:

Root Conditions: (Ratings: 1 [extreme problems], 2 [major problems], 3 [minor problems], 4 [no apparent problems])

Root anchorage 4; Collar/flare soundness 3; Mechanical injury 4; Girdling/kinked roots 4;

Compaction/waterlogged 4; Toxic gases/chemical symptoms 4; Insects/diseases 4;

Fungal infections 4. Notes: _____

Trunk Condition: Sound bark & wood 4; Cavities 3; Mechanical or fire injury 3; Cracks 4;

Swollen or sunken areas 3; Insects or disease 3; Conks 3. Notes: SOME FEAS

Scaffold Branches: Strong attachments 3; Smaller dia. Than trunk where attached 2; Vertical

branch distribution 2; Free of included bark 3; Free of decay & cavities 2; Well pruned 2; Well

proportioned/proper taper 2; Wound closure 2; Deadwood or fire injury 2; Insects/disease 3.

Notes: POOR CONDITION - POORLY PRUNED, MUCH DEAD WOOD

Small Branches and Twigs: Vigor of current shoots (compare previous growth) 2; Well distributed

through canopy 2; Appearance of buds (color, shape, size for the species) 2; Insects/disease 3; Weak

or dead twigs 2. Notes: _____

Foliage and/or Buds: Size of foliage/buds 3; Coloration of foliage 3; Nutrient status 3;

Herbicide/chemical/pollution injury 2; Wilted or dead leaves 2; Dry buds 2; Insects/disease 3.

Notes: _____

Pruning Instructions: REMOVE DEAD WOOD & PRUNE FOR STRUCTURE

General Condition: POOR

Hazardous? Yes/ No/Maybe Target Present? Yes/ No

Recommendations: NOTE POTENTIAL FOR FAILURE, BUT WILL FALL DOWN

HILL



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TREE ASSESSMENT FIELD FORM

Client: GRAM Location/Site: JEWISH CTR Date: 9/3/14

Tree No. 16 Photo Nos.: _____

Species: QUERCUS AGRICOLA

Height: _____ ft Height to canopy: _____ ft Canopy Crown diameter: _____ ft

Trunk(s) 2 dbh: Trunk 1: 8.75 2: 12.9 3: _____ 4: _____ 5: _____

Canopy measurements:

North: 6 ft; East: _____ ft;

South: _____ ft; West: 2 ft

Balanced? Yes/ No describe: TENDING HEAVILY E

Symmetrical? Yes/ No

Canopy diagram:

Root Conditions: (Ratings: 1 [extreme problems], 2 [major problems], 3 [minor problems], 4 [no apparent problems])

Root anchorage 4; Collar/flare soundness 3; Mechanical injury 4; Girdling/kinked roots 4;

Compaction/waterlogged 4; Toxic gases/chemical symptoms 4; Insects/diseases 4;

Fungal infections 4. Notes: _____

Trunk Condition: Sound bark & wood 3; Cavities 4; Mechanical or fire injury 4; Cracks 4;

Swollen or sunken areas 3; Insects or disease 4; Conks 4. Notes: INCLUDED BARK

Scaffold Branches: Strong attachments 3; Smaller dia. Than trunk where attached 4; Vertical

branch distribution 2; Free of included bark 3; Free of decay & cavities 3; Well pruned 4; Well

proportioned/proper taper 3; Wound closure 3; Deadwood or fire injury 4; Insects/disease 4.

Notes: CENTRAL SCAFFOLD BRANCH MAY HAVE FUNGUS STRESS WOOD

Small Branches and Twigs: Vigor of current shoots (compare previous growth) 4; Well distributed

through canopy 4; Appearance of buds (color, shape, size for the species) 4; Insects/disease 4; Weak

or dead twigs 4. Notes: _____

Foliage and/or Buds: Size of foliage/buds 4; Coloration of foliage 4; Nutrient status 4;

Herbicide/chemical/pollution injury 4; Wilted or dead leaves 4; Dry buds 4; Insects/disease 4.

Notes: _____

Pruning Instructions: CLEAN DEAD WOOD (LITTLE EXISTS)

General Condition: GOOD

Hazardous? Yes/ No/Maybe Target Present? Yes/ No LOW USAGE LAWN

Recommendations: _____



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TREE ASSESSMENT FIELD FORM

Client: Gray **Location/Site:** Jewish CR **Date:** 9/3/14

Tree No. 17 **Photo Nos.:** _____

Species: Quercus agrifolia

Height: _____ ft **Height to canopy:** _____ ft **Canopy Crown diameter:** _____ ft

Trunk(s) 1 **dbh:** Trunk 1: 19 2: _____ 3: _____ 4: _____ 5: _____

Canopy measurements:

North: 15 ft; East: 15 ft;

South: 20 ft; West: 18 ft

Balanced? Yes/No: describe: _____

Symmetrical? Yes/No

Canopy diagram:



Root Conditions: (Ratings: 1 [extreme problems], 2 [major problems], 3 [minor problems], 4 [no apparent problems])

Root anchorage 4; Collar/flare soundness 3; Mechanical injury 4; Girdling/kinked roots 4;

Compaction/waterlogged 4; Toxic gases/chemical symptoms 4; Insects/diseases 4;

Fungal infections 4. Notes: _____

Trunk Condition: Sound bark & wood 4; Cavities 4; Mechanical or fire injury 4; Cracks 4;

Swollen or sunken areas 3; Insects or disease 4; Conks 4. Notes: _____

Scaffold Branches: Strong attachments 3; Smaller dia. Than trunk where attached 3; Vertical

branch distribution 3; Free of included bark 3; Free of decay & cavities 4; Well pruned 4; Well

proportioned/proper taper 4; Wound closure 4; Deadwood or fire injury 4; Insects/disease 4.

Notes: _____

Small Branches and Twigs: Vigor of current shoots (compare previous growth) 4; Well distributed

through canopy 4; Appearance of buds (color, shape, size for the species) 4; Insects/disease 4; Weak

or dead twigs 3. Notes: _____

Foliage and/or Buds: Size of foliage/buds 4; Coloration of foliage 4; Nutrient status 4;

Herbicide/chemical/pollution injury 4; Wilted or dead leaves 3; Dry buds 4; Insects/disease 3.

Notes: _____

Pruning Instructions: CLEAN DEAD WOOD (OLD VINE)

General Condition: Good

Hazardous? Yes No Maybe **Target Present?** Yes No GRASS LAWN

Recommendations: _____



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TREE ASSESSMENT FIELD FORM

Client: Lean Location/Site: Jewish CTR Date: 9/3/14

Tree No. 18 Photo Nos.: _____

Species: QUERCUS AGRIFOLIA

Height: 20 ft Height to canopy: 8 ft Canopy Crown diameter: _____ ft

Trunk(s) 3 dbh: Trunk 1: 12.8 2: 4.6 3: 3.5 4: _____ 5: _____

Canopy measurements:

North: 10 ft; East: 15 ft;

South: 12 ft; West: 6 ft

Balanced? Yes/No: describe: LEANING E

Symmetrical? Yes No

Canopy diagram:



Root Conditions: (Ratings: 1 [extreme problems], 2 [major problems], 3 [minor problems], 4 [no apparent problems])

Root anchorage 4; Collar/flare soundness 3; Mechanical injury 4; Girdling/kinked roots 4;

Compaction/waterlogged 4; Toxic gases/chemical symptoms 4; Insects/diseases 4;

Fungal infections 4. Notes: _____

Trunk Condition: Sound bark & wood 3; Cavities 4; Mechanical or fire injury 4; Cracks 4;

Swollen or sunken areas 3; Insects or disease 3; Conks 3. Notes: HYPERMORPH BORER

Scaffold Branches: Strong attachments 3; Smaller dia. Than trunk where attached 3; Vertical

branch distribution 4; Free of included bark 3; Free of decay & cavities 3; Well pruned 3; Well

proportioned/proper taper 4; Wound closure 3; Deadwood or fire injury 3; Insects/disease 3.

Notes: SOMWHAT IMPROPER PREVIOUS PRUNING

Small Branches and Twigs: Vigor of current shoots (compare previous growth) 3; Well distributed

through canopy 4; Appearance of buds (color, shape, size for the species) 4; Insects/disease 3; Weak

or dead twigs 3. Notes: _____

Foliage and/or Buds: Size of foliage/buds 4; Coloration of foliage 4; Nutrient status 4;

Herbicide/chemical/pollution injury 4; Wilted or dead leaves 4; Dry buds 4; Insects/disease 3.

Notes: VERY MINOR DIEBACK & GIRDLER

Pruning Instructions: COMPETING w/ TREE 17

General Condition: MODERATE - GOOD

Hazardous? Yes No Maybe _____

Target Present? Yes No

Recommendations: CLEAN DEAD WOOD



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TREE ASSESSMENT FIELD FORM

Client: Gray Location/Site: Jewish Ctr Date: 9/3/14

Tree No. 19 - ⊗ Photo Nos.: _____

Species: Quercus agrifolia WP027

Height: 18 ft Height to canopy: 1 ft Canopy Crown diameter: _____ ft

Trunk(s) 2 * dbh: Trunk 1: 7.2 2: 3.7 3: _____ 4: _____ 5: _____

Canopy measurements:

North: 5 ft; East: 7 ft;

South: 6 ft; West: 6 ft

Balanced? Yes/No: describe: _____

Symmetrical? Yes/No

Canopy diagram:

Root Conditions: (Ratings: 1 [extreme problems], 2 [major problems], 3 [minor problems], 4 [no apparent problems])

Root anchorage 4; Collar/flare soundness 4; Mechanical injury 4; Girdling/kinked roots 4;

Compaction/waterlogged 4; Toxic gases/chemical symptoms 4; Insects/diseases 4;

Fungal infections 4. Notes: _____

Trunk Condition: Sound bark & wood 4? Cavities 4; Mechanical or fire injury 4; Cracks 4;

Swollen or sunken areas 4; Insects or disease 4; Conks 4. Notes: CO-DOMINANT w/ MAJOR INC. BARK

Scaffold Branches: Strong attachments 4; Smaller dia. Than trunk where attached 4; Vertical

branch distribution 4; Free of included bark 4; Free of decay & cavities 4; Well pruned 4; Well

proportioned/proper taper 4; Wound closure 4; Deadwood or fire injury 4; Insects/disease 4.

Notes: _____

Small Branches and Twigs: Vigor of current shoots (compare previous growth) 4; Well distributed

through canopy 4; Appearance of buds (color, shape, size for the species) 4; Insects/disease 4; Weak

or dead twigs 4. Notes: _____

Foliage and/or Buds: Size of foliage/buds 4; Coloration of foliage 4; Nutrient status 4;

Herbicide/chemical/pollution injury 4; Wilted or dead leaves 4; Dry buds 4; Insects/disease 4.

Notes: _____

Pruning Instructions: PRUNE SMALLER CO-DOMINANT TRUNK

General Condition: GOOD

Hazardous? Yes No/Maybe **Target Present?** Yes No TOO SMALL

Recommendations: _____



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TREE ASSESSMENT FIELD FORM

Client: Gray Location/Site: Jewish Ctr Date: 9/3/14

Tree No. 20 Photo Nos.: _____

Species: QUERCUS AGRI-FOLIA WP028

Height: 18 ft Height to canopy: _____ ft Canopy Crown diameter: _____ ft

Trunk(s) 4 *dbh: Trunk 1: 8 2: 3.5 3: 7.4 4: 8.1 5: _____

Canopy measurements:

North: 10 ft; East: 10 ft;

South: 10 ft; West: 8 ft

Balanced? Yes/No: describe: _____

Symmetrical? Yes/No

Canopy diagram:

Root Conditions: (Ratings: 1 [extreme problems], 2 [major problems], 3 [minor problems], 4 [no apparent problems])

Root anchorage 4; Collar/flare soundness 4; Mechanical injury 4; Girdling/kinked roots 4;

Compaction/waterlogged 4; Toxic gases/chemical symptoms 4; Insects/diseases 4;

Fungal infections 4. Notes: _____

Trunk Condition: Sound bark & wood 3; Cavities 4; Mechanical or fire injury 4; Cracks 4;

Swollen or sunken areas 3; Insects or disease 4; Conks 4. Notes: INCL. BARK MAY BECOME PROBLEM

Scaffold Branches: Strong attachments 4; Smaller dia. Than trunk where attached 4; Vertical

branch distribution 4; Free of included bark 4; Free of decay & cavities 4; Well pruned 4; Well

proportioned/proper taper 4; Wound closure 4; Deadwood or fire injury 4; Insects/disease 4.

Notes: _____

Small Branches and Twigs: Vigor of current shoots (compare previous growth) 4; Well distributed

through canopy 4; Appearance of buds (color, shape, size for the species) 4; Insects/disease 4; Weak

or dead twigs 4. Notes: _____

Foliage and/or Buds: Size of foliage/buds 4; Coloration of foliage 4; Nutrient status 3;

Herbicide/chemical/pollution injury 4; Wilted or dead leaves 4; Dry buds 4; Insects/disease 4.

Notes: _____

Pruning Instructions: MONITOR TRUNKS & INCL. BARK

General Condition: GOOD

Hazardous? Yes/ No/Maybe **Target Present?** Yes/ No TOO SMALL -> PARKING LOT

Recommendations: _____



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TREE ASSESSMENT FIELD FORM

Client: GRAY Location/Site: JEWISH CER Date: 9/3/14

Tree No. 21 Photo Nos.: _____

Species: QUERCUS ALBIFOLIA WP029

Height: 15 ft Height to canopy: _____ ft Canopy Crown diameter: _____ ft

Trunk(s) _____ * dbh: Trunk 1: 7.6 2: 5.2 3: 2.7 4: _____ 5: _____

Canopy measurements:

North: 6 ft; East: 8 ft;

South: 8 ft; West: 10 ft

Balanced? Yes/No: describe: _____

Symmetrical? Yes/No

Canopy diagram:

Root Conditions: (Ratings: 1 [extreme problems], 2 [major problems], 3 [minor problems], 4 [no apparent problems])

Root anchorage 4; Collar/flare soundness 4; Mechanical injury 4; Girdling/kinked roots 4;

Compaction/waterlogged 4; Toxic gases/chemical symptoms 4; Insects/diseases 4;

Fungal infections 4. Notes: _____

Trunk Condition: Sound bark & wood 3; Cavities 4; Mechanical or fire injury 4; Cracks 4;

Swollen or sunken areas 4; Insects or disease 4; Conks 4. Notes: MONITOR INCL. BARK @ CROWN

Scaffold Branches: Strong attachments 4; Smaller dia. Than trunk where attached 4; Vertical

branch distribution 4; Free of included bark 3; Free of decay & cavities 4; Well pruned 4; Well

proportioned/proper taper 4; Wound closure 4; Deadwood or fire injury 4; Insects/disease 4.

Notes: _____

Small Branches and Twigs: Vigor of current shoots (compare previous growth) 4; Well distributed

through canopy 4; Appearance of buds (color, shape, size for the species) 4; Insects/disease 3; Weak

or dead twigs 4. Notes: _____

Foliage and/or Buds: Size of foliage/buds 4; Coloration of foliage 4; Nutrient status 4;

Herbicide/chemical/pollution injury 4; Wilted or dead leaves 3; Dry buds 4; Insects/disease 3.

Notes: MORE INSECT DMG THAN 2 NEIGHBORS

Pruning Instructions: _____

General Condition: Good

Hazardous? Yes/ No/Maybe **Target Present?** Yes/No PARKING LOT

Recommendations: _____