



April 12, 2018

Planning and Building Department
City of Kirkland
123 5th Avenue
Kirkland, WA 98033

Attn: Mr. Tony Leavitt

RE: RESTORATION PLAN FOR THE TO JUANITA HIGH SCHOOL TEMPORARY PARKING AREAS, JUANITA HIGH SCHOOL PROJECT, KIRKLAND, WASHINGTON

Shannon & Wilson, Inc. (S&W) was contracted by the Lake Washington School District (District) to prepare a Public Agency Exception (PAE) Assessment for the Juanita High School (JHS) Project. The letter was submitted to Mr. Tony Leavitt with the City of Kirkland (City) on March 5, 2018, by the District¹. The City's natural resources review consultant reviewed the letter and the City provided comments to the JHS project team on April 6, 2018.² As a result of the review, the City has requested a restoration plan for the project's temporary parking areas. The proposed restoration plan meets the applicable requirements in Kirkland Zoning Code 90.145.

This letter outlines the temporary parking restoration plan and is accompanied by two plan sheets that include specific seeding and planting details. The temporary parking permit drawing set was submitted to the City on April 3, 2018 and contains detailed construction notes, storm drainage plan notes, and temporary erosion and sediment control notes.

DESCRIPTION OF TEMPORARY PARKING PLAN

Onsite temporary parking areas will be constructed within the site's improved buffer, in areas currently used as athletic fields. The project proposes two temporary parking areas located on the southeast and southwest quadrants of the site (Sheet 1). The temporary construction parking is needed to accommodate construction-related traffic, to make up for the temporary removal of

¹ Shannon & Wilson, 2018, Public Agency Exception Assessment, Juanita High School Replacement Project, Lake Washington School District, Kirkland, Washington: Letter prepared by Shannon & Wilson, Inc., Seattle Wash., 21-1-12553-104, for Lake Washington School District, Redmond, Wash., March 5, 7p.

² The Watershed Company, 2018, Juanita High School Public Agency Exception, Peer Review: Letter prepared by The Watershed Company, Kirkland, Wash., 160622.15, for City of Kirkland, Kirkland, Wash., April 5, 5p.

existing parking spaces required to accommodate construction, and to ameliorate the community concerns that student drivers will park on nearby residential streets.

Temporary gravel drives will provide access to the two temporary parking areas from existing paved surfaces. Ecology blocks will line the perimeter of the parking areas to prevent cars from leaving the designated areas. Stormwater generated in the parking and gravel areas will be collected and treated for basic water quality and flow control before joining an existing stormwater outfall system that discharges to the site stream. An existing chain link fence separates the athletic fields from the naturally vegetated portion of the site. The parking areas will be primarily located on the improved side of the chain link fence. In areas where the existing fence crosses the proposed temporary parking areas, the fence will be removed and a 6-foot chain link fence will be installed at the outer edge of temporary disturbance areas.

TEMPORARY PARKING IMPACTS

The temporary parking areas and associated features will primarily impact existing grass play fields. In one location on the eastern edge of the east gravel access, construction of the gravel drive will require the removal of two black cottonwood trees (*Populus balsamifera*) (Sheet 2). The trees are 10 inches diameter at breast height (dbh) and 20 inches dbh, respectively.

The temporarily impacted grass areas will be reseeded with a native erosion control mix following completion of the project. The removed cottonwood trees will be replaced with 6 bigleaf maple trees (*Acer macrophyllum*) in the area of cottonwood tree removal (Sheet 2). See the enclosed restoration plan sheets for spacing and planting details.

RESTORATION SEQUENCE

Restoration of the temporary parking areas will be completed in the following general sequence. Additional details are provided on the enclosed Sheet 2.

1. Remove all structures (ecology blocks, parking stops, etc.) and fill associated with the temporary parking areas.
2. Level and de-compact the disturbed areas to a minimum depth of 6 inches as necessary, using the tines of an excavator bucket, or similar.
3. Re-seed areas of grass disturbance using native seed mix shown on Sheet 2, or similar

native species mix. Provide temporary fencing around the seeding areas to prevent student disturbance until the grass has established sufficient root development to remain intact under foot traffic.

4. Following specifications and notes on Sheet 2, install 6 bigleaf maple in tree planting area.
5. Water trees thoroughly after planting to avoid capillary stress.
6. Mulch the tree planting area with 4 to 6 inches of wood chips.
7. Reinstall chain link fence to match pre-project location.
8. Remove any remaining materials or debris from the site.

MONITORING AND PERFORMANCE STANDARDS

Restoration area monitoring will be conducted annually in years 1, 3, and 5, and will evaluate the following performance standards. Monitoring reports will be provided to the City in Years 1, 3, and 5.

**TABLE 1
 PROPOSED PERFORMANCE STANDARDS**

Performance Standards	Year One	Year Three	Year Five
Plant Survival Performance Standards			
Tree Planting Area	100%	100%	100%
Percent Cover Performance Standards			
Grass Seeding Area*	80%	---	---
Noxious Weed Plant Cover**	<10%	<10%	<10%

* Includes beneficial native plants in that category that are naturally recruiting.

**As defined by the King County Noxious Weed List. Where a nearby *Phalaris arundinacea* monoculture occurs, threshold is increased to 20%.

CONTINGENCY MEASURES

If monitoring reveals that the restoration has not met performance standards, reseed and replanting will occur as required. In addition to replanting, tree species may be replaced with similar native species. Grass re-seeding will occur in bare areas greater than 2 feet by 2 feet.

CLOSURE

This letter has been prepared for specific application to the Juanita High School Replacement

Planning and Building Department
City of Kirkland
Attn: Mr. Tony Leavitt
April 12, 2018
Page 4 of 4

SHANNON & WILSON, INC.

project. This letter has been developed in a manner consistent with the level of care and skill normally exercised by members of the environmental science profession currently practicing under similar conditions in the area. The restoration plan presented in this letter incorporates professional opinions based on interpretation of information currently available to us, and was completed within the operational scope, budget, and schedule constraints of this project. No warranty, express or implied, is made.

If you have any questions, please contact me at scc@shanwil.com or (206) 695-6674.

Sincerely,

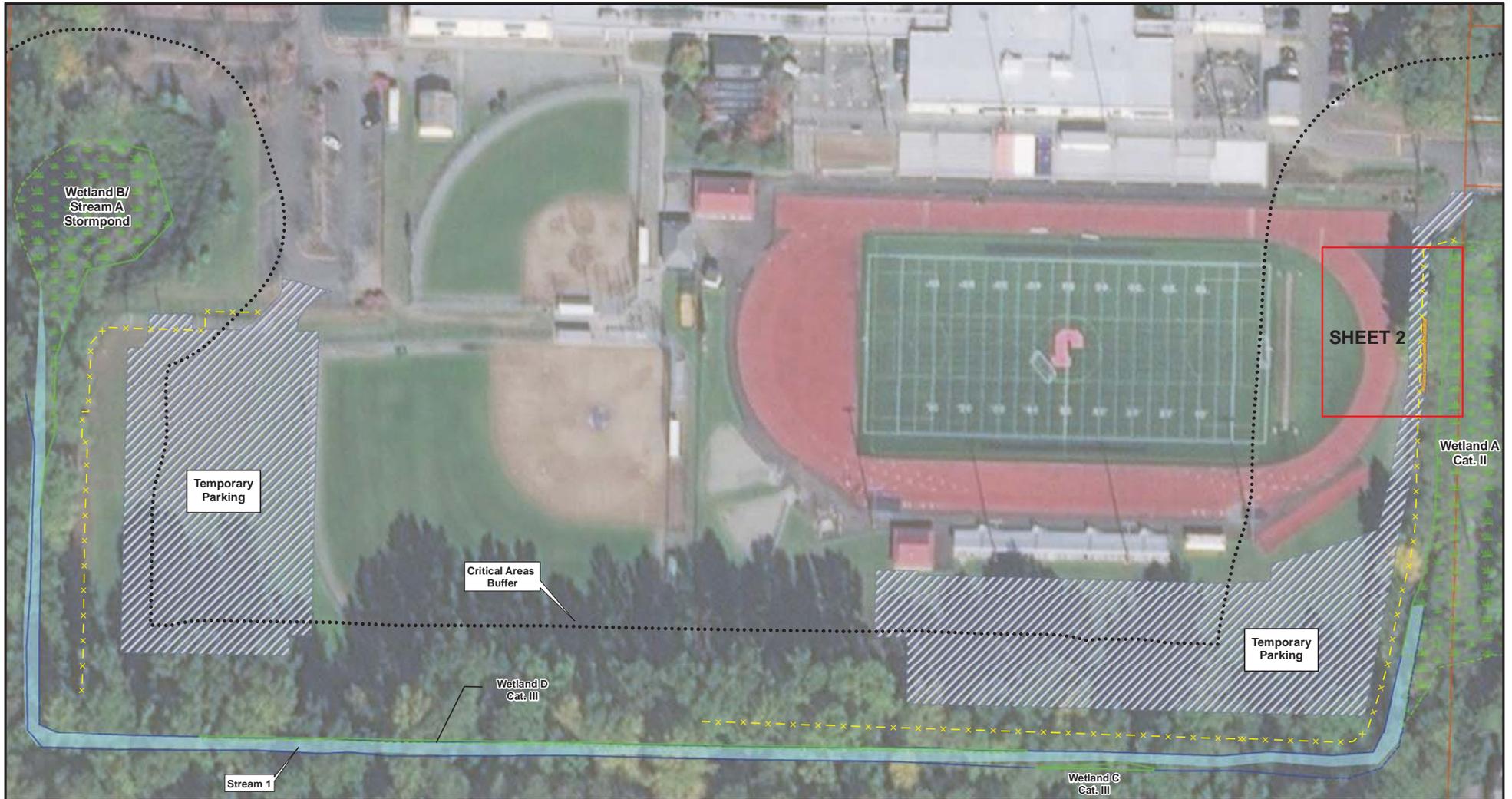
SHANNON & WILSON, INC.



Sarah Corbin, PWS
Senior Biologist

SCC:KLW/scc

Enc: Juanita High School Temporary Parking Restoration Plan Sheets (2 Sheets)



LEGEND

Wetland Boundary

- Delineated
- - - Approximate

Stream Boundary (OHWM)

- Delineated
- - - Approximate

..... Wetland/Stream Buffer

- x - x - Existing Chain Link Fence

Restoration Area

Grass Seed Mix - See Mix on Sheet 2

Tree Planting - See Sheet 2

The temporary parking permit drawing set was submitted to the City on April 3, 2018 and contains detailed construction drawings and notes, storm drainage plan notes, and temporary erosion and sediment control notes.



Lake Washington School District
 Juanita High School
 Kirkland, Washington

TEMPORARY PARKING RESTORATION PLAN

April 2018

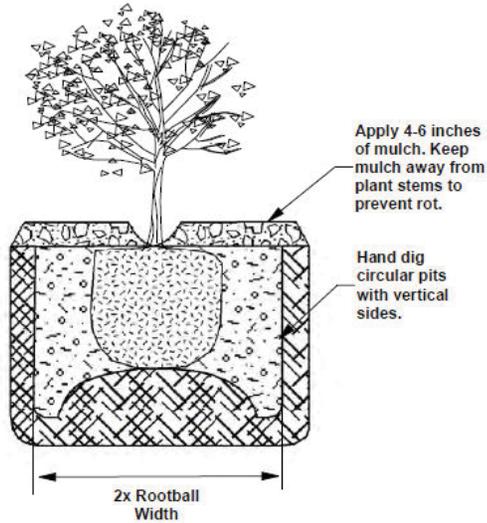
21-1-12553-104

SHANNON & WILSON, INC.
GEOTECHNICAL AND ENVIRONMENTAL CONSULTANTS

SHEET 1 OF 2

Filename: \\EP2\1-1_SEAN\2500\172653_LWSD Natural Resource\001_Juanita\GIS\MXD\RestorationPlan\Sheet2.mxd

CONTAINER PLANTING (n.t.s.)



RESTORATION SEQUENCE

1. Remove all structures (ecology blocks, parking stops, etc.) and fill associated with the temporary parking areas.
2. Level and de-compact the disturbed areas to a minimum depth of 6 inches as necessary, using the tines of an excavator bucket, or similar.
3. Re-seed areas of grass disturbance using native seed mix shown on Sheet 2, or similar native species mix. Provide temporary fencing around the seeding areas to prevent student disturbance until the grass has established sufficient root development to remain intact under foot traffic.
4. Procure trees and store properly. Trees shall conform with the Code of Standards of the American Association of Nurserymen. The project biologist should review plant material prior to planting to verify conformance.
5. Hand-dig circular plant pits with vertical sides and install plants, per Container Planting detail. Backfill with native soil.
6. Water trees thoroughly after planting to avoid capillary stress.
7. Mulch the tree planting area with 4 to 6 inches of wood chips.
8. Reinstall chain link fence to match pre-project location.
9. Remove any remaining materials or debris from the site.

Tree Planting Area

Common Name	Scientific Name	Quantity	Spacing	Size	Condition
bigleaf maple	<i>Acer macrophyllum</i>	6	10 feet on center	≥ 3 feet in height	5 gallon minimum

Native Erosion Control Seed Mix

Species	Common Name	% By Weight	Seeds per lb. of Mix	Pounds Pure Live Seed per Acre
<i>Bromus carinatus</i>	California brome	10.00%	10000	4.37
<i>Festuca rubra rubra</i>	native red fescue	30.00%	150000	13.11
<i>Agrostis exarata</i>	spike bentgrass	10.00%	380000	4.37
<i>Elymus glaucus</i>	blue wildrye	50.00%	55000	21.86
TOTAL		100.00%	595000	43.71



LEGEND

Restoration Area

- Grass Seed Mix
- Tree Planting
- Bigleaf Maple Planting Approximate location
- Delineated Wetland Boundary
- Existing Chain Link Fence
- Cottonwood Removal Approximate location

The temporary parking permit drawing set was submitted to the City on April 3, 2018 and contains detailed construction drawings and notes, storm drainage plan notes, and temporary erosion and sediment control notes.

The native erosion control seed mix may be modified to include similar native species, pending School District approval.

The exact location and extent of the designated tree planting area may be modified in the field, as necessary. Tree planting locations are approximate.



Lake Washington School District
Juanita High School
Kirkland, Washington

TEMPORARY PARKING RESTORATION PLAN

April 2018 21-1-12553-104

SHANNON & WILSON, INC. SHEET 2 OF 2



April 17, 2018

Tony Leavitt
City of Kirkland Planning Department
123 5th Avenue
Kirkland, WA 98033

Re: Juanita High School Public Agency Exception, 2nd Peer Review

The Watershed Company Reference Number: 160622.15

Dear Tony:

The Lake Washington School District is proposing improvements at Juanita High School in the City of Kirkland. Prior critical areas studies have determined that wetland and stream buffers encumber much of the southern portion of the school property. The following documents summarize the wetland, stream, and buffer constraints on the property:

- *Wetland and Stream Delineation Report Submittal, Juanita High School Project, Kirkland, Washington* (Shannon & Wilson, Inc. November 21, 2016).
- *Juanita High School Wetland and Stream Delineation Study, 3rd Party Review* (The Watershed Company. January 6, 2017).
- *Response to Wetland and Stream Delineation Report Review, Juanita High School Project, Kirkland, Washington* (Shannon & Wilson, Inc. March 22, 2017).

Given the extent of the buffer encumbrances on the property, the School District is applying for a Public Agency Exception (PAE) to allow for uses and activities within the buffers that are not allowed under the standard provisions of the Kirkland Zoning Code (KZC). The approach and compliance with the PAE requirements are summarized in the *Public Agency Exception Assessment, Juanita High School Replacement Project, Lake Washington School District, Kirkland, Washington* (Shannon and Wilson, Inc. March 5, 2018) (PAE Assessment). The Watershed Company has completed the initial peer review of the PAE Assessment as summarized in *Juanita High School Public Agency Exception, Peer Review* (The Watershed Company. April 5, 2018) (Peer Review Letter). The Peer Review Letter provided recommendations to bring the proposal into compliance with the PAE requirements under the KZC. Recommendations included

preparing a Critical Areas Report pursuant to KZC 90.110 and a mitigation plan pursuant to KZC 90.145. Applicant responses to the Peer Review Letter were provided in the following:

- *Restoration Plan for the to (sic) Juanita High School Temporary Parking Areas, Juanita High School Project, Kirkland, Washington* (Shannon and Wilson, Inc. April 12, 2018)
- Personal email correspondence with Tony Leavitt, Senior Planner, City of Kirkland and Sarah Corbin, Shannon and Wilson, Inc. (April 6, 2018).

The applicant's consultant has provided a restoration plan to address temporary impacts to the wetland/stream buffer. The restoration plan proposes decompacting disturbed areas and reseeding with a native grass seed mix. Two black cottonwood trees proposed for removal will be replaced with six bigleaf maple trees. The restoration plan provides performance standards for native cover (grassy areas), invasive cover, and survival (tree plantings). The native cover standard proposed is 80 percent in Year 1, with no standards for Years 3 and 5. The invasive standard is 10 percent in Years 1, 3, and 5 (with an exception for 20 percent in areas currently dominated by reed canarygrass). The survival standard for trees is 100 percent in Years 1, 3, and 5. These performance standards are generally appropriate, although we recommend adding a 90 percent cover standard for the seeded areas in Years 3 and 5.

The monitoring plan proposes annual monitoring in Years 1, 3, and 5. According to KZC 90.160.4.d, monitoring inspections are required every 12 months, including twice in each of the first two years. Given the scope of the proposed impacts and mitigation, the monitoring plan and contingency measures proposed are reasonable; the plan has a high likelihood of success. However, the final decision as to whether the strict interpretation of KZC 90.160.4.d shall be applied is an administrative decision that lies with the Kirkland Planning Department.

KZC 90.110 requires preparation of a Critical Areas Report (CAR). The applicant's consultant has stated that a CAR will not be prepared for this project, since most of the requirements of the CAR have been addressed in other documents. We agree that the general assessment of impacts to critical areas and buffers, compliance with the relevant code sections, and mitigation sequencing have been sufficiently addressed cumulatively, although not within a single document per KZC 90.110. However, under KZC 90.110.9, the Planning Official may waive the requirement of certain information for a CAR if it is determined that:

- a. The information is not needed to evaluate a critical area or requirement of this chapter; or*

b. If the development proposal will affect only a part of the subject property, the Planning Official may limit the scope of the required report to include only that part of the site that would be affected by the development.

Similarly to the strict adherence to the requirements for annual monitoring described above, approving the proposed project without a formal Critical Areas Report is an administrative decision to be made by the Kirkland Planning Department.

We believe the general intent of KZC, with respect to Public Agency Exceptions has been satisfied. The Kirkland Planning Department will make the final determination regarding satisfaction of the specific code provisions relating to Critical Area Reports and annual monitoring of the restoration area.

The information contained in this letter is based on the application of technical guidelines currently accepted as the best available science. All discussions, conclusions and recommendations reflect the best professional judgment of the author(s) and are based upon information available to us at the time the study was conducted. All work was completed within the constraints of budget, scope, and timing. The findings of this letter are subject to verification and agreement by the appropriate local, State and Federal regulatory authorities. No other warranty, expressed or implied, is made.

Please call if you have any questions or if we can provide you with any additional information.

Sincerely,



Ryan Kahlo, PWS
Senior Ecologist



Juanita High School Project Parking Management Plan

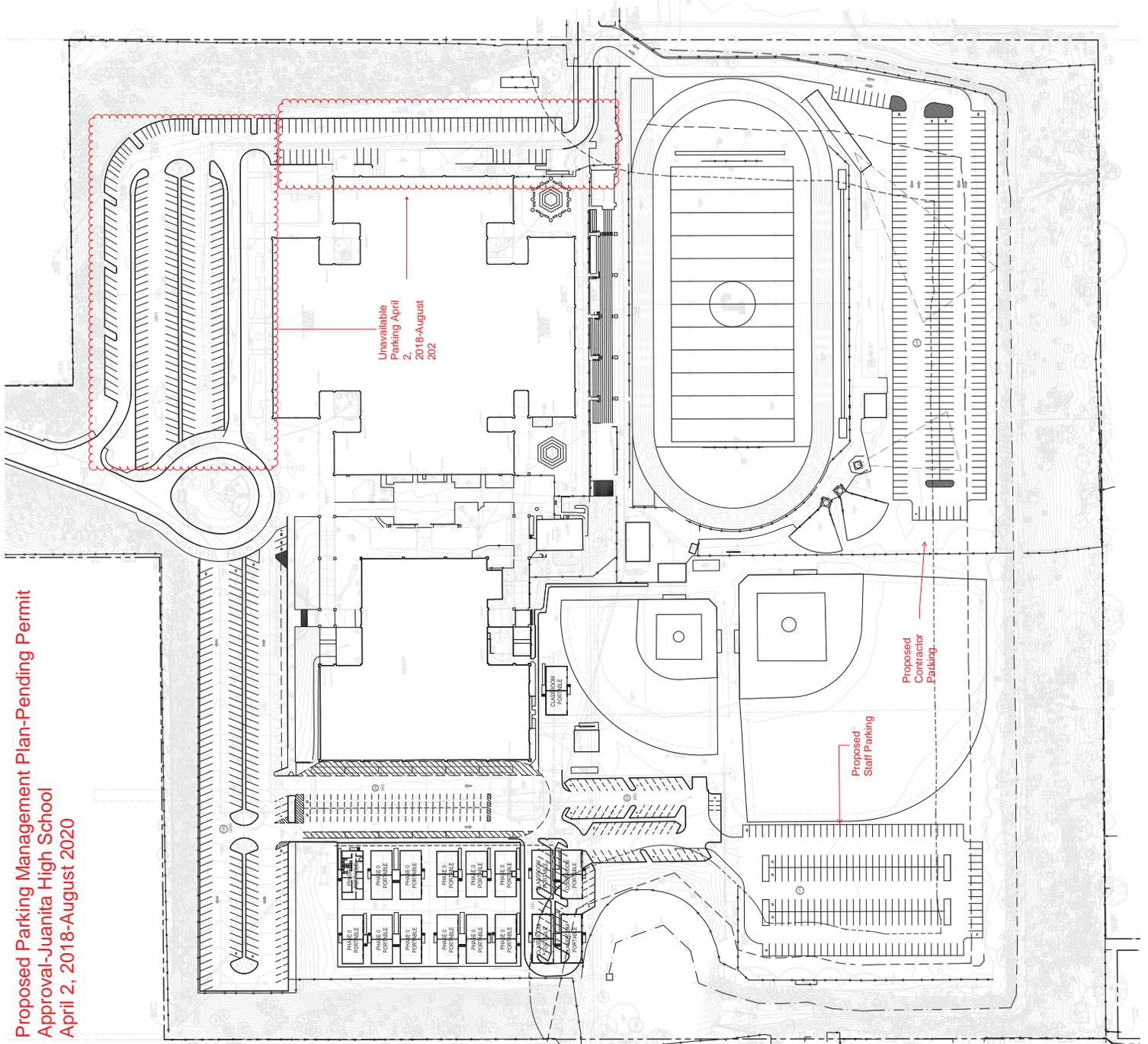
March 15, 2018

Project: Juanita High School Rebuild/Enlarge	Re: Juanita High School Parking Management Plan
From: Tansy Hansen	To: City of Kirkland

Juanita High School (JHS) construction is scheduled to begin April 2, which is the start of Spring Break. School resumes Monday April 9, at which point Juanita will experience impacts from the reduced parking. The attached parking count sheet shows existing, impacted and final parking availability and demand counts. The administration and project team have been working on several mitigation measures since the start of the 2017/2018 school year:

- All staff have assigned spaces and all staff parking is accommodated for on site in the reduced parking scenario
- JHS Senior class students have been assigned onsite parking via a lottery. Additionally, JHS Administration sent a notice to lottery winners requesting the following:
 - If you are a lottery winner and have a friend, neighbor or sibling who is also a lottery winner, please consider carpooling
- JHS community has been notified by administration regarding the parking impacts via the following
 - Juanita High School website
 - Email to parents from principal encouraging carpool, alternate means of transportation
- There are currently 35 visitor parking spaces used by Wave Aquatics. This will remain unchanged
- Students who take the STEM bus formerly would park at JHS to catch the bus. This has been relocated to Keller ES to free up additional parking as part of the strategy
- Graduation will be held in the field house in June 2018. LWSD has an agreement with a nearby church to use two lots to accommodate parking off site, via the use of a shuttle system
- The construction team is working collaboratively with the City of Kirkland to come up with additional options to mitigate parking congestion onsite. Early in the project, initial conversations stalled due to potential environmental impacts to sensitive wetland areas. The conversation has resurfaced with the City in terms of temporary parking and the City has recognized that if we can create more temporary parking onsite, we can reduce impacts in our adjacent neighborhoods. While the plan is still in development, we're hopeful that we can work out a solution prior to the start of the 2018-19 school year. Our goal would be to develop additional parking on the southern corners of the site, specific extents and the number of stalls is in development.

Proposed Parking Management Plan-Pending Permit
Approval-Juanita High School
April 2, 2018-August 2020





JHS PARKING USAGE

EXISTING			
AVAILABLE PARKING		FULL	OPEN
640	TOTAL PARKING STALLS	485	155
PARKING STALLS	*HC PARKING STALLS		9 *HC PARKING STALLS
631	9	COMMENTS:	

CURRENT PARKING DEMAND	
STAFF	150
STUDENTS	300
VISITOR	35
TOTAL	485

PH. 1 & PH. 2 CONSTRUCTION (APRIL 2 2018 - AUGUST 2020)			
AVAILABLE PARKING		FULL	OPEN
346	TOTAL PARKING STALLS	485	-139
PARKING STALLS	*HC PARKING STALLS		8 *HC PARKING STALLS
338	8	COMMENTS:	*TEMPORARY PARKING LOTS BEING EVALUATED

FINAL LAYOUT (SEPTEMBER 2020)			
AVAILABLE PARKING		FULL	OPEN
636	TOTAL PARKING STALLS	485	151
PARKING STALLS	*HC PARKING STALLS		17 *HC PARKING STALLS
619	17	COMMENTS:	



Safeway

Edith Moulton

Robert Frost Elementary School

Hunter's Run Apartments

Woodlake Apartments

Juanita Creek

Goodwill Juanita

Juanita Elementary School

NE 132nd St

Evergreen Heights Apartments

Juanita Aquatics Center

Juanita High School

Kingsgate Park & Ride

Evergreen Health Medical Center

NORTH JUANITA

Hubbard's Crossing

Emerson Apartments

OLIVE Garden Italian

The Village at Totem Lake

Trader Joe's

NE 124th St

120th Ave NE

Totem Lake Blvd NE

NE 124th St

NE 124th St

JUANITA

Jasper's Dog Park

Fred Meyer

TOTEM LAKE

Public Storage

NE 120th St

Legend

Northbound Route

Southbound Route

Kirkland Reporter

FIRLOCH

Alexander Graham Bell



CITY OF KIRKLAND

Department of Public Works

123 Fifth Avenue, Kirkland, WA 98033 425.587.3800

www.kirklandwa.gov

MEMORANDUM

To: Tony Leavitt, Senior Planner

From: Thang Nguyen, Transportation Engineer

Date: April 2, 2018

Subject: Juanita High School Expansion Parking Review, Zon17-00198

This memo summarizes my review of the parking plan for the proposed expansion of the Juanita High School.

STAFF FINDINGS

The proposed 636 parking spaces are adequate to accommodate the proposed school expansion to accommodate 1,800 students and 195 school staff. During the first 10 weeks of construction starting after spring break, 294 parking spaces will be eliminated and there may be a parking deficit of up to 114 spaces. With Public Works staff's recommendation below, the parking deficit could be reduced to approximately 15 spaces.

The school district proposes to construct two temporary parking lots for construction staff and school staff parking during the construction of the school. The school is working with the City to submit permits for the two temporary parking lots. Staff expect the temporary parking lots would be constructed prior to the start of the 2018/2019 school year. The temporary parking lots will be able to accommodate the construction staff parking demand as well as the parking demands of students, school staff and visitors to the aquatic center.

STAFF RECOMMENDATIONS

If the four additional portables are not needed prior to the 2018/2019 school year, staff suggests the school not eliminate the 33 parking spaces where the portables are to be located and provide those spaces for registered student carpools to minimize the temporary parking deficit.

Public Works Requirements

The following requirements are conditions of approval to mitigate the parking demand during construction and for the future student enrollment of 1,800 students.

- Construct two temporary construction and staff parking lots by August 1, 2018.
- Provide 636 parking spaces for the school expansion.

Project Description

The Lake Washington School district is proposing to upgrade and expand the existing Juanita High School to accommodate 1,800 students. Currently the school has 1,423 students. The expansion is proposed to be completed in phases with full build-out in 2020. The existing site access will remain and no additional access is proposed. Currently there are 640 parking spaces on site. The parking lots are proposed to be reconfigured to provide better vehicle and bus circulation. The final build-out of the proposed project will have 636 parking spaces. Bus parking will be relocated from the north side of the school building to the east side of the school building.

Parking Impacts

Currently there are 640 parking spaces on site; thirty-five of the parking supply are designated as visitor parking for the Juanita Aquatic Center. Students and staff are required to have a permit to park on-campus. Based on the permit data, 150 permits were given out to staff and 300 permits were given out to students for a total of 450 permits.

The parking generation for the Juanita High School expansion is based on data collected at the school on Tuesday, June 7, 2016 from 10:30 to 11 AM; during this time there was a total of 457 parked vehicles on-site. Assuming that all students and staffs with parking permits were present during the parking demand data collection, it can be assumed that the seven spaces were occupied by the visitors to the aquatic center (457 occupied spaces – 450 permit spaces = 7 spaces from the aquatic center).

The current parking demand for staff is one space per staff and the parking demand rate for students is 0.21 parking space per student (300 parking permits divided 1,423 student enrollment).

The future parking demand for school was determined by estimating the school staff population, the student population and their corresponding parking demands.

Based on the school district, the school expansion will have a student enrollment capacity of 1,800 students (377 additional students). It is assumed that the existing staff to student ratio, 0.11 staff per student (150 staff per 1,423 students), will remain the same for the future expansion. Therefore, the staff population will increase by 45 staff (0.11 staff per student x 377 students) for a total of 195 school staff.

With the new school constructed and at full enrollment, the forecasted student parking demand is 378 parking spaces (0.21 parking space per student x 1,800 students) and the forecasted parking demand for the school staff is 195 parking spaces (1.0 parking space per staff x 195 staff). Thirty five parking spaces will continue to be reserved for the aquatic center. The total parking demand is calculated to be 608 spaces (378 + 195 + 35). The parking demand for the expansion is summarized in Table 1.

Table 1. Parking Demand Summary

	Existing		Future	
	Population	Parking Demand	Population	Parking Demand
Staff	150	150	195	195
Student	1,423	300	1,800	378
Visitor		7	35	35
Total Demand		457		608
Parking Supply		629		636

The construction of the new campus will include 636 parking spaces which will adequately accommodate the future parking demand.

School Event Parking- the Nationwide Personal Transportation Survey indicates that the car occupancy rate for social and recreation trip is approximately 2.1 persons per vehicle. Assuming the typical school event vehicle occupancy rate is 2.1 persons per vehicle, the supply of 636 parking spaces would be able to serve approximately 1,336 attendees. The bus parking stalls could be double parked to get another 24 vehicles and the drop-off/pick-up lane could support another 18 parked vehicles if it's not designated as a fire lane. This would accommodate an additional 88 attendees on-site (40 vehicles x 2.1 persons per vehicle). The future campus will be able to accommodate a total of 1,424 attendees (1,336 + 88). It is anticipated that the 636 parking spaces is adequate to accommodate a typical school event and there would not be any parking impact to the adjacent neighborhood.

Parking during Construction

The existing parking demand for the staff and students is 450 parking spaces. In addition, 35 parking spaces will be reserved for the aquatic center. The existing total parking demand is 485 spaces. During the phase I and II construction, the northeastern corner parking lot and the parking lot along the east side of the school building will be fenced off for construction. In addition, 33 parking spaces south of the portables will be eliminated to accommodate four additional portables and the curb parking along the north side of the field house will be converted to a bus loading zone. Consequently, 294 of the existing parking spaces will be eliminated and the supply will be reduced to 346 spaces.

From Spring Break to July of 2018 no additional parking space will be created elsewhere on-site. During this time there will be a deficit of 139 parking spaces. Of the 346 parking spaces available, 35 spaces will continue be reserved for visitors to the school and aquatic center. All 150 staff will be given permits to park on site. Approximately 147 parking spaces have been assigned to seniors students based on a lottery system.

The STEM bus currently picks up student at Juanita High School and 25 students currently park on campus to transfer onto the STEM bus. The STEM bus pick up will be relocated to Keller Elementary School, thus, eliminating the need for 25 parking spaces at Juanita High School. According to the school district, Keller Elementary School has 31 on-site parking spaces for visitors that are unoccupied and can accommodate the Juanita High School students. Therefore, the parking deficit is reduced to 114 parking spaces (139 -25). To mitigate the parking deficit, the school district have notified parents and students and encouraged them to carpool to school. The school have notified students not to park in the adjacent neighborhoods where there are restricted parking zone.

If the four additional portables are not needed prior to the 2018/2019 school year, staff suggests the school not eliminate the 33 parking spaces where the portables are to be located and provide those spaces for registered student carpools. If students that previously drove to school created 3-person carpools, those carpools would eliminate the need for 66 parking spaces reducing the parking deficit to 15 spaces (114 parking space deficit – (33 spaces x 3 person carpool).

To mitigate the parking shortage after the 2017/2018 school year, two temporary parking lots will be constructed south of the ball field and track field for construction and staff parking. The temporary parking lot south of the track field will provide approximately 250 parking spaces for construction staff and the temporary parking lot south of the ball field will provide approximately 175 parking spaces for school staff. An access drive will be created at the western end of NE 128th Street to provide access to the temporary construction parking lot and the temporary school staff parking lot will be accessed from the school main entrance off NE 132nd Street. With the temporary parking lots, there will be a total of 521 parking spaces (346 spaces + 175 spaces) to accommodate all of the staff, student and visitor parking demands (485 spaces).

Neighborhood Parking Program

In response to concerns from nearby residents, a residential parking zone was established for the adjacent residential neighborhood to minimize the parking impact from the Juanita High School. The residential parking zone have worked well. The Kirkland police traffic division have been notified to increase monitoring the residential parking zones until the end of the current school year.

cc: John Burkhalter, Development Engineer Manager
Tuan Phan, Development Engineer
Energov- Zon17-00198

**ARBORIST REPORT
FOR
JUANITA HIGH SCHOOL
KIRKLAND, WA**



December 27th, 2013

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Appendix

Site/Tree Photos – pages 5 – 15

Tree Summary Tables - attached

1. Introduction

American Forest Management, Inc. was contacted by James Harper of Bush, Roed and Hitchings, Inc., and was asked to perform a tree inventory and condition assessment of significant trees on the Juanita High School campus in Kirkland, WA.

Our assignment is to prepare a written report on present tree conditions to aid in the development design phase for the redevelopment of the school campus.

The significant tree data is summarized on the attached tree tables. This information will allow the developer to make informed decisions about what trees warrant retention and where they are located.

Dates of Field Examination: Multiple days between November 18th and December 16th, 2013

2. Description

Over 1,300 significant trees were individually assessed on the property. A significant tree is any tree greater than six inches DBH (diameter at breast height, measured 4 ½' above ground). A numbered aluminum tag was attached to the lower trunk of the subject trees. These numbers correspond with the numbers on the attached Tree Summary Tables.

The majority of trees exist within perimeter buffers around the campus. The subject trees are comprised primarily of native species, both coniferous and deciduous. Totem Creek meanders through the south and southwest perimeter tree buffers. All of the trees in the south and southwest perimeter are within the critical areas buffer. Trees within critical areas buffers were not individually assessed since no development is permissible.

Interior landscape trees are comprised primarily of parking lot trees and small planted groupings of native and ornamental coniferous and deciduous species in isolated courtyards within the school interior.

3. Methodology

Each tree in this report was visited. Tree diameters were measured by tape. The tree heights were measured using a Spiegel Relaskop. Each tree was visually examined for defects and vigor. The tree assessment procedure involves the examination of many factors:

- The crown of the tree is examined for current vigor. This is comprised of inspecting the crown (foliage, buds and branches) for color, density, form, and annual shoot growth, limb dieback and disease. The percentage of live crown is estimated for coniferous species only and scored appropriately.
- The bole or main stem of the tree is inspected for decay, which includes cavities, wounds, fruiting bodies of decay (conks or mushrooms), seams, insects, bleeding, callus development, broken or dead tops, structural defects and unnatural leans. Structural defects include crooks, forks with V-shaped crotches, multiple attachments, and excessive sweep.
- The root collar and roots are inspected for the presence of decay, insects and/or damage, as well as if they have been injured, undermined or exposed, or original grade has been altered.

Based on these factors a determination of viability is made. Trees considered 'non-viable' are trees that are in poor condition due to disease, extensive decay and/or cumulative structural defects, which exacerbate failure potential. A 'viable' tree is a tree found to be in fairly good health, in a sound condition with minimal defects and is suitable for its location. Also, it will be wind firm if isolated or left as part of a grouping or grove of trees. A 'borderline' viable tree is a tree where its viability is in question. These are trees that are beginning to display symptoms of decline due to age, defect and or species related problems. Borderline trees are not expected to positively contribute to the landscape for the long-term and are not recommended for retention.

The attached Tree Summary Tables provide detailed information for each significant tree. Data includes species, diameter, potentially affected drip-line measurements, general condition, failure potential, recommendations and comments. A “condition” code ranging from good to poor is given for each tree, based on the methodology described above. A tree in “good” condition is healthy and structurally sound. A tree in “fair” condition has some issues but is expected to positively contribute to the landscape for several years and is considered viable. A tree in “poor” condition is declining due to disease or is in a natural mortality spiral, has structure compromising defects (high risk), and/or other major issues. A tree with a condition code of “fair-poor” is considered borderline viable and will not positively contribute to the landscape for the long-term and is not recommended for retention through the re-development.

Risk of failure or the hazard rating of low to high is assessed based on structure and defect. Trees expected to fail in the near-term (less than one year) are rated as “high”. Trees with defined issues but are not expected to be a problem within the next 5 years are rated as “moderate”. Trees not expected to be a problem for another 10 years or more are rated as “low”.

For interior landscape trees, a preservation value is assigned based on health, vigor, age, species suitability to the site, longevity of the species, tolerance of impacts and growing characteristics. Long-lived species that are currently young to semi-mature and in good condition are rated as “high”. Long-lived species that are mature and/or have well defined issues are rated as “moderate”. Short-lived or pioneer species or trees with significant problems are rated as “low”. Trees with significant structural defects are rated as “low”.

Recommendations are provided for trees where warranted. A recommendation of “remove” is given for trees in poor condition, high-risk trees and trees not expected to positively contribute to the landscape. Some trees are recommended for corrective pruning to remove a co-dominant (equal diameter) forked stem preventing a future failure. Pruning recommendations are provided for landscape trees where appropriate, as well as an estimate of maintenance time to perform the recommendation. Pruning recommendations include CC-crown clean, RC-reduce crown, DW-remove deadwood, RD-remove defective part and EW-remove end-weight.

4. Observations

The vast majority of tree cover is found on the perimeter of the site. Portions of the perimeter were planted and portions are comprised of natural tree cover. The east perimeter from the entrance south to the NE 128th Street was planted to Douglas-fir roughly 30 to 40 years ago. Trees were planted at a very dense spacing. This has resulted in the development of generally small diameter, poorly tapered trees. The Douglas-fir is healthy and vigorous. No evidence of root disease was observed during the field assessments. Some trees have naturally died out due to suppression. There is also a small component of big leaf maple and Pacific madrone within this perimeter. At the edge of the perimeter adjacent to the parking lot, volunteer species of black cottonwood, big leaf maple and red alder have developed.

This east tree buffer slopes uphill from the access drive and parking lot to the property lines. Slopes are steep to moderately steep. Soils are very gravelly. Due to the dense tree cover, there is little vegetation in the understory.

The west perimeter from the entrance to the parking lot is primarily comprised of black cottonwood. Minor species include scattered Douglas-fir, big leaf maple and Pacific madrone. These are mostly suppressed by the cottonwood and have developed poor form and structure as a result of that suppression. Many of the cottonwood trees are problematic. Many have developed significant leans. Many of the smaller cottonwood are suppressed and have developed decay columns within their lower trunks which are typical. There have been several cottonwood failures within this tree buffer in the last five years.

The west tree buffer slopes downhill from the access drive to the property line. Soils are good and much less gravelly than the upper east buffer. Understory vegetation is comprised primarily of invasive Himalayan blackberry. Blackberry is inhibiting the regeneration of native tree establishment. There is also a moderate component of salmon berry. English ivy is a major problem in this buffer. The Ivy infestation has caused some cottonwood trees to fail.

The northwest perimeter that borders the parking lot, parallel to NE 130th Street is comprised of a mix of native species, estimated at roughly 30 to 40 years of age. This tree buffer also slopes downhill (north) to the property line. Tree species include an even mix of Douglas-fir and big leaf maple, with moderate components of Pacific madrone and black cottonwood. Minor species include bitter cherry and western red cedar. Volunteer big leaf maple saplings are dense on the parking lot edge.

The west perimeter from the parking lot (adjacent to tennis courts) to the detention pond is moderately treed. At the south end, big leaf maple is dominant. These are young to semi-mature trees, mostly comprised of small clumps or clusters. Several have developed major frost cracks or seams on their lower trunks. At the north end, Douglas-fir is the dominant species. Since trees are widely spaced, they have developed fairly good trunk taper with full live crowns. The Douglas-fir is estimated at 30 to 40 years of age.

Trees on the perimeter west of the detention pond are comprised of older residual Douglas-fir and big leaf maple. The Douglas-fir appears sound and stable, with foliage of normal color and density. The maple is mature to over-mature with significant defect.

Trees in the south perimeter are all within the critical areas buffer of Totem Creek. Dominant over-story trees are comprised primarily of black cottonwood in the middle and east portions; and big leaf maple in west portions. There is a moderate component of western red cedar in the understory, primarily at the west end. Understory vegetation is comprised of native shrubs (Indian plum, hazelnut) and swordfern. The English ivy infestation is moderate. There are areas where ivy has been recently cut from trees. The east portion of the south perimeter abuts a large wetland. There are three cottonwood trees on the south perimeter edge behind the baseball field that are high risk. These have heavy unnatural leans to the north.

Front parking lot trees are comprised of semi-mature London plane, estimated at roughly 40 years of age. All are in good condition. No indicators of decline were observed. Trees have developed good architecture/form with soundly attached scaffolds. Many could use a light crown cleaning to remove natural deadwood and thin out denser portions of their canopies.

Back parking lot trees are comprised of a variety of ash. These are younger specimens, estimated at 10 to 20 years of age. Most are in good condition with well-shaped uniform canopies. A couple of the younger ash trees have developed compromising structural defects.

Interior landscape trees are comprised of planted ornamentals of flowering cherry, Parrotia, dogwood, Japanese maple. There is also quaking aspen, Douglas-fir, shore pine. None of the interior trees are considered to be of exceptional value.

5. Discussion

The extent of affected drip-lines (farthest reaching branches) for the subject trees can be found on the tree summary tables at the back of this report. Drip-line measurements are provided for trees on the perimeter edge closest to the parking lot or access drive in the direction that assumed impacts may take place. For interior landscape trees and parking lot trees, drip-line measurements in all four cardinal directions are provided.

It is assumed that the tree perimeter buffers will be retained during re-development of the campus. For this reason, off-site trees were not assessed. If there are instances where off-site trees may be impacted, these will be evaluated and addressed at the appropriate time.

It is also assumed that the parking lot will be reconstructed or re-designed, given its current condition. Volunteer species of red alder, black cottonwood, bitter cherry and big leaf maple that have developed near the parking lot edge should be removed. Most have developed poor form and structure, with natural leans out over the parking lot. The majority of these are non-significant saplings. The removal of all trees with a condition rating of "poor" is recommended to reduce associated risks.

On the east perimeter, the Douglas-fir is too dense. Trees are under heavy competition for sunlight and nutrients. To improve the health and structural stability of the more dominant trees, thinning out the smaller suppressed trees is recommended. In these dense stands of Douglas-fir, consider removing all trees 6" in

diameter and smaller. This will not result in the loss of any canopy coverage. Residual trees will quickly fill in the small gaps created by the removal of the smaller suppressed trees. If these areas are not thinned out, smaller diameter trees will continue to naturally die out from suppression. These dead trees then become a risk, as they are subject to whole tree failure or stem breakage.

The west tree buffer from the school entrance to the traffic circle is problematic. This buffer is primarily in cottonwood trees. There have been several cottonwood failures over the last few years and more are anticipated in the near future as trees mature and decline. The majority are moderately high to high risk trees with heavy leans. Smaller suppressed cottonwood trees, which are the same age as their more dominant neighbors are developing characteristic decay columns within their lower trunks, making them susceptible to trunk failure. The re-development of the high school would be an ideal time to remove these problematic cottonwood trees and reforest this area with more suitable tree species. A native mix of both coniferous and deciduous species could be planted to ultimately enhance this area. To allow trees to develop good form and structure, avoid planting them too close together where they will compete for sunlight and space. Space new trees at least 15' apart. Recommended native species could include Douglas-fir, western red cedar, Sitka spruce, grand fir, western white pine, shore pine, big leaf maple, Pacific madrone, Pacific dogwood, golden chinquapin and Oregon ash.

The west perimeter from the parking lot to the detention pond is moderately treed. This perimeter tree buffer could also be enhanced by the removal of blackberry and the establishment of more native coniferous species in the large openings within this buffer.

The southwest and south perimeter tree buffers are in fairly good condition. There is a good component of western red cedar in the understory to eventually take the place of the pioneer cottonwood trees. Only three high-risk trees were identified on the north edge. These include trees #1369, #1370 and #1371 behind the baseball field. Removal is recommended to abate the hazard. Trees along the south edge of this critical area buffer adjacent to neighboring properties were not assessed as part of this assignment.

Many of the London plane trees in the front parking lot could be successfully retained, provided the appropriate amount of space is afforded. This species grows to a large size, with large spreading crowns. The subjects will likely double in size before reaching maturity. Pavement and curb sections within critical root zones shall be carefully removed, protecting large surface roots.

The interior campus landscape trees are common and typical for our region. None were observed that are unique or have special or exceptional characteristics that warrant retention during the re-development of the campus. The back parking lot ash trees are young to semi-mature. These are easily replaceable.

6. Tree Protection Measures

The following general guidelines are recommended to ensure that the designated space set aside for the preserved trees are protected and construction impacts are kept to a minimum.

1. Tree protection fencing should be erected around retained trees and positioned at the 5-foot drip-line setback prior to moving any heavy equipment on site. Doing this will set clearing limits and avoid compaction of soils within root zones of retained trees.
2. Excavation limits should be laid out in paint on the ground to avoid over excavating.
3. If pre-approved and allowable, excavations within the drip-lines shall be monitored by a qualified tree professional so necessary precautions can be taken to decrease impacts to tree parts.
4. To establish sub grade for foundations, curbs and pavement sections near the trees, soil should be removed parallel to the roots and not at 90 degree angles to avoid breaking and tearing roots that lead back to the trunk within the drip-line. Any roots damaged during these excavations should be exposed to sound tissue and cut cleanly with a saw. Cutting tools should be sterilized with alcohol.

5. Areas excavated within the drip-line of retained trees should be thoroughly irrigated weekly during dry periods.

6. Preparations for final landscaping shall be accomplished by hand within the drip-lines of retained trees. Large equipment shall be kept outside of the tree protection zones at all times. Simply finish landscape within 10' of retained trees with a 2" to 4" layer of organic mulch.

7. Tree Replacement

It is assumed that the significant trees retained in perimeter buffers will satisfy the tree density requirement for the property. No new trees will likely be required although several will likely be planted to enhance new landscaping. New trees shall be given the appropriate space for the species and their growing characteristics. Refer to the *Kirkland Plant List* on the City's website for a list of desirable species.

Minimum size for replacement trees are 2 ½" caliper for deciduous species and 6' in height for coniferous species. Replacement trees shall be primarily native species in order to restore and enhance the site as close as possible to its pre-development condition.

There is no warranty suggested for any of the trees subject to this report. Weather, latent tree conditions, and future man-caused activities could cause physiologic changes and deteriorating tree condition. Over time, deteriorating tree conditions may appear and there may be conditions, which are not now visible which, could cause tree failure. This report or the verbal comments made at the site in no way warrant the structural stability or long term condition of any tree, but represent my opinion based on the observations made.

Nearly all trees in any condition standing within reach of improvements or human use areas represent hazards that could lead to damage or injury.

Please call if you have any questions or I can be of further assistance.

Sincerely,



Bob Layton
ISA Certified Arborist #PN-2714A
ISA Tree Risk Assessment Qualified (TRAQ)

East perimeter (entrance), dense Douglas-fir



East perimeter, dense Douglas-fir, gravelly soils



East perimeter, dense Douglas-fir



East perimeter, volunteer cottonwood and alder on edge



West perimeter (entrance)



West perimeter, Douglas-fir suppressed by cottonwood



Northwest perimeter, volunteer maple saplings on edge



West perimeter, semi-mature maple with scattered Douglas-fir



Southwest tree buffer (creek), scattered maple and western red cedar



South buffer (creek), dense western red cedar saplings in understory



South buffer, primarily a cottonwood overstory



South buffer, primarily cottonwood



South perimeter



South perimeter, 3 high-risk trees on edge



Back parking lot, young ash



Back parking lot, young to semi-mature ash



Front parking lot, semi-mature London plane



Front school entrance London plane trees



Traffic circle London plane trees



Traffic circle flowering cherries (front), London planes (back)



Tree/Tag #	Species	DBH	Affected Drip-line	Condition	Failure Risk	Recommendation	Comments
101	black locust	8	na	fair-poor	moderate	remove	volunteer, poor structure, suppressed
102	Douglas-fir	7	na	fair	low	na	in grouping, somewhat suppressed, poor trunk taper
103	Douglas-fir	16	n 8	good	low	na	no concerns
104	Douglas-fir	10	n 6	fair	low	na	fair taper
105	Douglas-fir	13	w 11	good	low	na	no concerns
106	Douglas-fir	8	n 5, w 10	fair	low	na	old broken top, somewhat suppressed
107	Douglas-fir	12	n 12, w10	good	low	na	slight natural lean north
108	Douglas-fir	15	n 11, w 15	good	low	na	no concerns
109	Douglas-fir	10	na	fair-good	low	na	fair taper
110	Douglas-fir	10	w 10	fair-good	low	na	fair taper
111	Douglas-fir	10	na	fair-good	low	na	fair taper
112	Douglas-fir	13	na	good	low	na	no concerns
113	Douglas-fir	9	na	fair	low	na	somewhat suppressed
114	Douglas-fir	6	na	fair	low	na	fair to poor taper
115	Douglas-fir	9	na	fair-good	low	na	fair taper
116	Douglas-fir	7	na	fair	low	na	fair to poor taper
117	Douglas-fir	11	na	good	low	remove ivy	fair-good taper
118	Douglas-fir	11	na	good	low	na	fair-good taper
119	Douglas-fir	11	na	good	low	na	fair taper
120	Douglas-fir	8	na	fair	low	na	fair taper, minor crooks
121	Douglas-fir	7	na	fair	low	na	fair-poor taper, somewhat suppressed
122	Douglas-fir	8	na	fair	low	na	fair-poor taper, somewhat suppressed
123	Douglas-fir	7	na	fair	low	na	fair-poor taper, somewhat suppressed
124	Douglas-fir	21	n 19, w 19	good	low	na	no concerns
125	Douglas-fir	19	n 14, w 18	good	low	na	no concerns
126	Douglas-fir	6	na	fair-poor	low-moderate	na	poor taper
127	Douglas-fir	8	n 8, w 10	fair	low	na	fair taper
128	Douglas-fir	8	w 9	fair	lm	na	fair to poor taper
129	Douglas-fir	7	w 11	fair	lm	na	fair to poor taper
130	Douglas-fir	7	na	fair	lm	na	fair-poor taper, minor crooks
131	Douglas-fir	8	w 9	fair	low	na	fair to poor taper
132	Douglas-fir	12	w 10	good	low	na	fair taper
133	Douglas-fir	7	na	fair-good	low	na	fair taper
134	Douglas-fir	7	na	fair	low	na	fair-poor taper, 30% LCR
135	Douglas-fir	7	na	fair	low	na	fair-poor taper, 25% LCR
136	Douglas-fir	11	na	fair-good	low	na	fair taper
137	Douglas-fir	9	w 13	fair	low	na	somewhat suppressed
138	Douglas-fir	15	s 16, w 14	good	low	na	full crown, good taper, edge tree
139	Douglas-fir	7	s 12	fair	low-moderate	na	trunk sweep, good taper
140	Douglas-fir	12	na	good	low	na	no concerns
141	Pacific madrone	13	na	fair-good	low	na	good vigor, minor deadwood
142	Douglas-fir	6	na	fair	low-moderate	na	fair-poor taper
143	Douglas-fir	8	na	fair	low-moderate	na	fair-poor taper
144	Douglas-fir	9	na	fair	low-moderate	na	minor crooks
145	Douglas-fir	8	na	fair	low-moderate	na	fair-poor taper, minor crooks

Tree/Tag #	Species	DBH	Affected Drip-line	Condition	Failure Risk	Recommendation	Comments
146	Douglas-fir		9 na	fg	low-moderate	na	fair taper
147	Douglas-fir		6 na	fair	low-moderate	na	fair-poor taper
148	Douglas-fir		9 na	fair-good	low-moderate	na	slight natural lean east
149	Douglas-fir		9 na	fair	low-moderate	na	fair tap, minor crooks
150	Douglas-fir		6 na	fair-poor	low-moderate	na	suppressed top
151	Douglas-fir		13 w 10	fair-good	low	control ivy	slight natural lean northeast
152	Douglas-fir		8 na	fair	low-moderate	control ivy	fair taper
153	Douglas-fir		9 na	fair	low-moderate	remove ivy	fair taper
154	black cottonwood		20 na	fair-poor	high	remove	forked top, codominant stems, significant included bark
155	Douglas-fir		12 s 10, w 14	good	low	na	good taper
156	Douglas-fir		9 s 8, w 12	fair-good	low	na	fair taper
157	Douglas-fir		12 n 13	good	low	na	good tap
158	Douglas-fir		9 na	fair	low	remove ivy	suppressed by cottonwood
159	Douglas-fir		7 na	poor	low	remove	fork, broken tops
160	Douglas-fir		13 na	good	low	na	no concerns
161	Douglas-fir		12 na	fair-good	low	na	minor trunk sweep
162	Douglas-fir		13 s 14, w 12	good	low	na	full crown, edge tree
163	Douglas-fir		10 na	fair-good	low	na	slight natural lean north
164	Douglas-fir		11 s 12, w 12	good	low	na	edge tree
165	Douglas-fir		8 na	fair	low	na	in tight grouping, fair taper
166	Douglas-fir		10 na	fair	low	na	fair tap
167	Douglas-fir		12 n 14, w 12	good	low	na	no concerns, edge tree
168	Douglas-fir		12 n 10	good	low	na	minor crooks
169	Douglas-fir		14 n 12, w 15	good	low	na	no concerns
170	Douglas-fir		9 w 9	fair	low	na	somewhat suppressed, fair taper
171	Douglas-fir		14 s 14,w 13	good	low	na	no concerns
172	Douglas-fir		18 n15, w16, s15	good	low	na	crown raised, Sequoia pitch moth infection-ok, good taper
173	big leaf maple 4	12,12,11,10	n18, w22,s14	fair-poor	moderate	na	poor structure, poor basal attachments
174	big leaf maple 5	13,10,7,8,9	n20, w8, s16	fair	moderate	remove decayed stem	poor branch structure
175	Pacific madrone		15 n12, w23, s12	fair-good	low-moderate	na	natural lean west
176	Douglas-fir		10 n8, w9, s10	fair-good	low	na	suppressed by 177 cw
177	black cottonwood		18 na	fair	moderate	remove	problematic in future
178	black cottonwood		16 n12,w16,s12	fair	moderate	remove	problematic in future
179	Douglas-fir		15 w14	fair-good	low-moderate	na	minor trunk sweep, good taper
180	black cottonwood 2	14,13	w18	poor	high	remove	14" stem diseased, broken top, decay
181	black cottonwood		18 w20, s18	fair	moderate	remove	problematic in future
182	big leaf maple 3	8,8,7	na	poor	moderate-high	remove	diseased, poor structure, decay
183	Douglas-fir		6 n10, w6	fair	low-moderate	na	suppressed, fair taper
184	Douglas-fir		11 n14, w12	fair-good	low-moderate	na	slight natural lean north
185	black cottonwood 2	19,12	w22	fair-poor	moderate-high	remove	12" has heavy lean,high risk, problematic in future
186	Douglas-fir		7 na	fair	low-moderate	na	suppressed by 185
187	Douglas-fir		11 w12	fair	low-moderate	na	suppressed by 185, deformed top
188	Douglas-fir		14 n13, w16, s10	good	low	na	slight natural lean west
189	Douglas-fir		8 w10	fair-good	low	na	fair taper
190	Douglas-fir		12 w13	good	low	na	no concerns

Tree/Tag #	Species	DBH	Affected Drip-line	Condition	Failure Risk	Recommendation	Comments
191	Douglas-fir	10	na	fair-good	low	na	fair taper
192	Douglas-fir	8	na	fair	low-moderate	na	fair taper, minor trunk bends
193	black cottonwood	10	na	fp	mh	remove	heavy lean east, poor taper, structure
194	black cottonwood	15	na	fair	moderate	remove	prob in future
195	Douglas-fir	6	na	fair	moderate	remove small fork	fork, suppressed
196	Douglas-fir	6	na	fair	low-moderate	na	sw supp, fair tap
197	Douglas-fir	6	na	fair	low-moderate	na	fair-poor taper
198	Douglas-fir	10	w13	fair-good	low	na	fair taper
199	Douglas-fir	11	n9, w12, s9	good	low	na	large surface root
200	Douglas-fir	14	w15	good	low	na	no concerns
201	Douglas-fir	8	na	fair	low	na	fair taper, 30% LCR
202	Douglas-fir	9	na	fair	low	na	fair taper, 30% LCR
203	Douglas-fir	11	na	good	low	na	no concerns
204	Douglas-fir	10	na	fair-good	low	na	fair taper
205	Douglas-fir	6	na	fair	low-moderate	na	fair taper
206	Douglas-fir	8	na	fair-good	low	na	no concerns
207	Douglas-fir	7	na	fair	low	na	supp, def top
208	Douglas-fir	14	na	good	low	na	no concerns
209	Douglas-fir	9	na	fair	low	na	sw supp, minor crook
210	Douglas-fir	7	na	fair	low-moderate	na	fair taper, 20% LCR
211	Douglas-fir	10	na	good	low	na	no concerns
212	Douglas-fir	9	na	fair-good	low	na	fair taper
213	Douglas-fir	11	na	good	low	na	minor sweep
214	Douglas-fir	10	w10	good	low	na	no concerns
215	Douglas-fir	7	na	fair	low	na	somewhat suppressed - ok
216	Douglas-fir	10	na	good	low	na	no concerns
217	Douglas-fir	8	na	good	low	na	no concerns
218	Douglas-fir	8	w8	good	low	na	no concerns
219	Douglas-fir	15	n15, w15, s15	good	low	na	exposed buttress roots - ok
220	Douglas-fir	10	s12	fair-good	low	na	tr sweep ok
221	Douglas-fir	8	na	fair-good	low	na	exp butt roots
222	Douglas-fir	8	na	fair	low	na	somewhat suppressed - ok
223	Douglas-fir	12	na	good	low	na	exposed buttress roots - ok
224	Douglas-fir	14	w11	good	low	na	no concerns
225	Lawson cypress 2	5,3	n6, w6	good	low	na	no concerns
226	Norway spruce	8	w8, s6	fair	low	na	exposed root crown - ok
227	Lawson cypress 2	7,6	w4, s4	good	low	na	no concerns
228	Lawson cypress	6	w4	good	low	na	no concerns
229	Douglas-fir	11	na	good	low	na	minor tr sweep
230	Douglas-fir	14	na	good	low	na	exposed surface roots - ok
231	Douglas-fir	13	s 15	good	low	na	exposed surface roots - ok
232	Douglas-fir	8	na	fair-good	low	na	fair taper
233	Douglas-fir	16	w11, s16	fair-good	low	na	slight natural lean west, minor crook, good taper
234	Lawson cypress	6	s 3	fair	low	na	old scar, minor decay
235	Pacific madrone	15	s 14	fair	moderate	na	major fork at 5', moderate included bark, good vigor

Tree/Tag #	Species	DBH	Affected Drip-line	Condition	Failure Risk	Recommendation	Comments
236	Douglas-fir	13	na	good	low	na	no concerns
237	Douglas-fir	8	na	fair-good	low	na	fair taper
238	Douglas-fir	6	na	fair	low-moderate	na	fair-poor taper
239	Douglas-fir	6	na	fair	low-moderate	na	fair-poor taper
240	Douglas-fir	8	na	fair-good	low	na	no concerns
241	Douglas-fir	9	na	fair-good	low	na	no concerns
242	Douglas-fir	7	na	fair	low-moderate	na	fair taper
243	Douglas-fir	8	na	fair-good	low	na	no concerns
244	Douglas-fir	8	na	fair	low-moderate	na	fair taper
245	Douglas-fir	9	na	fair-good	low	na	no concerns
246	Douglas-fir	7	na	fair	low-moderate	na	fair-poor taper, 20% LCR
247	Douglas-fir	7	na	fair	low-moderate	na	fair taper
248	Douglas-fir	8	na	fair	low-moderate	na	fair taper
249	Douglas-fir	9	na	fair-good	low	na	no concerns
250	Douglas-fir	10	na	fair-good	low	na	no concerns
251	Douglas-fir	9	na	fair-good	low	na	no concerns
252	Douglas-fir	6	na	fair	low	na	fair taper
253	Douglas-fir	7	na	fair	low	na	fair taper
254	Douglas-fir	11	na	good	low	na	no concerns
255	Douglas-fir	9	na	fair-good	low	na	no concerns
256	Douglas-fir	7	na	fair	low	na	fair taper
257	Douglas-fir	8	na	fair	low	na	fair taper
258	Douglas-fir	8	na	fair	low	na	fair taper
259	Douglas-fir	6	na	fair	low	na	fair taper
260	Douglas-fir	8	na	fair-good	low	na	no concerns
261	Douglas-fir	8	na	fair	low	na	speedwobble
262	Douglas-fir	8	na	fair-good	low	na	no concerns
263	Douglas-fir	7	na	fair	low	na	speed wobble
264	Douglas-fir	8	na	fp	m	na	forked top, structure compromised, ok in grouping
265	Douglas-fir	10	s 12	fair-good	low	na	good taper
266	Douglas-fir	13	s 13, w 12	fair	moderate	na	moderate crook at 12'
267	Douglas-fir	14	s 14	good	low	na	no concerns
268	Douglas-fir	8	na	fair-good	low	na	fair taper
269	Douglas-fir	8	s 11	good	low	na	no concerns
270	Douglas-fir	7	na	fair	low	prune clean stubs	incorrectly pruned-crown raised ok, clean-up stubs
271	Douglas-fir	12	s 12	good	low	na	no concerns
272	Douglas-fir	7	na	fair	low	na	fair taper
273	Douglas-fir	8	s 10	good	low	na	no concerns
274	Douglas-fir	8	na	fair-good	low	na	no concerns
275	Douglas-fir	11	s 11	good	low	na	no concerns
276	Douglas-fir	8	s 10	good	low	na	no concerns
277	Douglas-fir	7	na	fair	low	na	fair taper
278	Douglas-fir	6	na	fair	low-moderate	na	fair-poor taper
279	Pacific madrone	11	na	good	low	na	sl nat lean south, good vigor
280	Douglas-fir	7	na	poor	high	remove	significant decay mid bole, heavy bleeding

Tree/Tag #	Species	DBH	Affected Drip-line	Condition	Failure Risk	Recommendation	Comments
301	Douglas-fir		7 na	fair-good	low	na	flaked bark mid trunk, ok
302	Douglas-fir		6 na	fair	low	na	fair taper
303	Douglas-fir		8 na	fair-good	low	na	no concerns
304	Douglas-fir		10 na	good	low	na	60% lcr
305	Douglas-fir		7 na	fair	low-moderate	na	fair-poor taper
306	Douglas-fir		6 na	fair-poor	moderate	na	poor taper
307	Douglas-fir		6 na	fair-poor	moderate	na	poor taper
308	Douglas-fir		7 na	fair-poor	moderate	na	poor taper
309	Douglas-fir		14 na	good	low	na	no concerns
310	Douglas-fir		12 s 12	good	low	na	no concerns
311	Douglas-fir		9 s 11	fair-good	low	na	fair-good taper
312	Douglas-fir		10 s 12	fair-good	low	remove small fork	no concerns
313	big leaf maple 2	12, 7	na	poor	moderate-high	remove	fork, codominant stems, poor taper
314	Douglas-fir		12 na	good	low	na	no concerns
315	Douglas-fir		9 na	good	low	na	no concerns
316	Douglas-fir		15 na	good	low	na	no concerns
317	Douglas-fir		8 na	fair	lm	na	suppressed, stunted top, fair-poor taper
318	Douglas-fir		10 na	fair-good	low	na	minor crook, ok
319	Douglas-fir		7 na	fair	lm	na	fair taper
320	Douglas-fir		11 s 13	good	low	na	no concerns
321	Douglas-fir		12 s 12	good	low	na	minor sweep
322	Douglas-fir		10 na	fair-good	low	na	minor sweep
323	Douglas-fir		13 w 12	good	low	na	no concerns
324	Douglas-fir		11 na	fg	low	na	fair taper
325	Douglas-fir		15 s 15	good	low	na	no concerns
326	Douglas-fir		19 s 16	good	low	na	no concerns
327	Douglas-fir		10 s 14, w16	fair-good	low	na	somewhat suppressed
328	Douglas-fir		19 s 16	fair	moderate	na	old broken top, 2 leaders
329	pacific madrone		7 na	fair	low-moderate	na	heavy natural lean north
330	Douglas-fir		9 na	fair-good	low	na	speed wiggle, ok
331	Douglas-fir		11 na	good	low	na	no concerns
332	Douglas-fir		14 s 12	good	low	na	no concerns
333	Douglas-fir		9 na	good	low	na	no concerns
334	black cottonwood		12 na	fair	moderate	remove	problem in future
335	Douglas-fir		15 s 13	good	low	na	10 ft above rockery
336	Douglas-fir		10 s 12	good	low	na	no concerns
337	Douglas-fir		8 na	fair-good	low	na	fair taper
340	Douglas-fir		11 na	fair-poor	low-moderate	na	suppressed by 339, stunted top
339	black cottonwood		12 na	fair	moderate	remove	problem in future
338	Douglas-fir		14 na	good	low	na	no concerns
341	Douglas-fir		14 na	good	low	na	minor sweep
342	Douglas-fir		9 na	fair-good	low	na	no concerns
343	Douglas-fir		8 na	fair-poor	moderate	na	forked top, suppressed by neighbor cw
344	Douglas-fir		8 na	fair-good	low	na	no concerns
345	Douglas-fir		14 s 16	good	low	na	no concerns

Tree/Tag #	Species	DBH	Affected Drip-line	Condition	Failure Risk	Recommendation	Comments
346	Douglas-fir		9 s 11	fair-good	low	na	good taper
347	Douglas-fir		10 na	fair-good	low	na	no concerns
348	Douglas-fir		12 na	good	low	na	on fenceline
349	Douglas-fir		6 na	poor	low	remove	suppressed by neighboring cw
350	Douglas-fir		9 na	fair-good	low	na	fair taper
351	Douglas-fir		8 s 11	fair	low-moderate	na	suppressed by 352
352	Douglas-fir		10 s 10	good	low	na	no concerns
353	Douglas-fir		11 na	good	low	na	fair taper
354	Douglas-fir		8 na	fair-good	low	na	no concerns
355	Douglas-fir		7 na	fair-good	low	na	fair taper
356	Douglas-fir		7 na	fair-good	low	na	fair taper
357	Douglas-fir		8 s 11	good	low	na	no concerns
358	Douglas-fir		12 s 14	fair-good	low-moderate	na	crook in upper bole, ok
359	Douglas-fir		7 na	fair	low-moderate	na	fair taper
360	Douglas-fir		9 na	good	low	na	no concerns
361	Douglas-fir		6 na	fair	low-moderate	na	intermediate
362	Douglas-fir		6 na	fair	low-moderate	remove	suppressed, overtopped
363	Douglas-fir		10 na	good	low	na	no concerns
364	Douglas-fir		11 s 14	good	low	na	no concerns
365	Douglas-fir		8 na	fair-good	low	na	fair taper
366	Douglas-fir		8 na	fair-good	low	na	no concerns
367	Douglas-fir		8 na	fair-good	low	na	no concerns
368	Douglas-fir		8 na	fair-good	low	na	no concerns
369	Douglas-fir		6 na	fair	low-moderate	na	no concerns
370	Douglas-fir		10 na	good	low	na	no concerns
371	Douglas-fir		8 na	fair-good	low	na	no concerns
372	Douglas-fir		9 na	good	low	na	no concerns
373	Douglas-fir		12 na	good	low	na	no concerns
374	Douglas-fir		13 na	fair-good	low-moderate	na	crooked top
375	Douglas-fir		12 na	good	low	na	no concerns
376	Douglas-fir		8 na	fair-good	low	na	somewhat suppressed by 375
377	Douglas-fir		15 s 15	good	low	na	good taper, full crown
378	Douglas-fir		8 na	fair-good	low	na	no concerns
379	Douglas-fir		8 na	fair-poor	low	remove	broken top, suppressed by 380
380	black cottonwood		8 na	fair-poor	moderate	remove	poor taper, problematic
381	black cottonwood		9 na	fair-poor	moderate	remove	poor taper, problematic
382	black cottonwood		10 na	fair-poor	moderate	remove	poor taper, problematic
383	Douglas-fir		9 na	fair	low-moderate	na	suppressed by cw
384	Douglas-fir		9 na	fair-good	low	na	crook in top
385	Douglas-fir		10 na	good	low	na	no concerns
386	Douglas-fir		12 na	fair-good	low	na	minor crooks
387	black cottonwood		14 na	fair	moderate	na	decent form
388	Pacific madrone 2	16, 12	na	fair	low	na	nattrasia canker, low risk, ok
389	bitter cherry		8 na	fair	low-moderate	na	slight lean east
390	bitter cherry		8 na	fair	low-moderate	na	slight lean east

Tree/Tag #	Species	DBH	Affected Drip-line	Condition	Failure Risk	Recommendation	Comments
391	Douglas-fir		13 na	good	low	na	no concerns
392	Douglas-fir		12 na	fair-good	low	na	competing with 394
393	Douglas-fir		11 na	fair-good	low	na	mod tr sweep
394	black cottonwood		12 na	fair-poor	moderate	remove	basal decay, poor tap
395	Douglas-fir		11 na	fair-good	low	na	no concerns
396	Douglas-fir		11 na	good	low	na	no concerns
397	Pacific madrone		7 na	fair	low-moderate	na	poor taper
398	Douglas-fir		8 na	fair	moderate	na	lean, trunk bulge, ok
399	Douglas-fir		11 na	good	low	na	no concerns
400	Douglas-fir		14 na	good	low	na	no concerns
401	Douglas-fir		8 na	fair-good	low	na	somewhat suppressed
402	Douglas-fir		6 na	fair	low	na	crook, somewhat suppressed
403	Douglas-fir		11 na	good	low	na	no concerns
404	Douglas-fir		7 na	fair-good	low	na	somewhat suppressed
405	Douglas-fir		10 na	good	low	na	no concerns
406	Douglas-fir		7 na	fair	low-moderate	na	stunted, deformed top, suppressed
407	Douglas-fir		10 s 10	good	low	na	no concerns
408	Douglas-fir		8 s 8	fair-good	low	na	fair taper
409	black cottonwood	8,6	na	poor	high	remove	fork at 2', codom stems, included bark
411	black cottonwood		6 na	fair-poor	moderate	remove	problematic
412	black cottonwood		6 na	fair-poor	moderate	remove	problematic
413	Pacific madrone		12 w 14	fair-good	low-moderate	na	minor trunk decay, good form
414	Douglas-fir		8 na	fair-good	low	na	natural lean east
415	Pacific madrone		11 w 12	fair-good	low	na	typical form
431	Pacific madrone		7 s 12, w 10	fair-good	low	na	typical form
416	Douglas-fir		8 na	fair-good	low	na	no concerns
417	Pacific madrone 3	8,7,6	w 14	fair	moderate	remove west stem	fair taper
418	Douglas-fir		9 w 9	fair-good	low	na	no concerns
419	Douglas-fir		8 na	fair	low-moderate	na	minor crooks
420	Douglas-fir		13 na	good	low	na	no concerns
421	Douglas-fir		13 na	good	low	na	no concerns
422	Douglas-fir		13 na	good	low	na	no concerns
423	black cottonwood		20 na	poor	high	remove	large cavity at base, extensive trunk rot
424	big leaf maple 6	4-6	na	poor	moderate-high	remove	problem in future
425	Pacific madrone 4	4-9	na	fair	low-moderate	na	fair taper
426	Pacific madrone		14 na	fair	moderate	na	decay at base, ok to retain
427	Pacific madrone		20 na	fair-good	low-moderate	na	typical form
428	Douglas-fir		9 na	good	low	na	no concerns
429	Douglas-fir		12 na	good	low	na	no concerns
430	Douglas-fir		13 w 15	fair-good	low	na	minor crooks
410	Douglas-fir		9 na	fair-poor	moderate	retain in grouping	forked, codominant stems
432	Douglas-fir		14 w 12	fair-good	low	na	minor crooks
433	Douglas-fir		9 na	fair-good	low	na	minor crook
434	Pacific madrone 2	11,9	na	fair	moderate	retain in grouping	poor basal attachment
435	Douglas-fir		11 na	fair-good	low	na	minor trunk sweep

Tree/Tag #	Species	DBH	Affected Drip-line	Condition	Failure Risk	Recommendation	Comments
436	Douglas-fir	11	w 12	good	low	na	no concerns
437	Douglas-fir	11	na	good	low	na	no concerns
438	Douglas-fir	7	na	fair	low-moderate	na	fair taper
439	Douglas-fir	11	na	good	low	na	exposed buttress roots
440	Douglas-fir	12	na	good	low	na	no concerns
441	Douglas-fir	9	na	good	low	na	no concerns
442	Douglas-fir	11	na	good	low	na	no concerns
443	Douglas-fir	8	na	fair-good	low-moderate	na	fair taper
444	Douglas-fir	6	na	fair	low-moderate	na	suppressed
445	Douglas-fir	8	na	fair-good	low	na	no concerns
446	Douglas-fir	7	na	fair-good	low	na	no concerns
447	Douglas-fir	8	na	fair-good	low	na	minor crook
448	Douglas-fir	7	na	fair-poor	moderate	remove	decay mid bole
449	Douglas-fir	14	w 13	good	low	na	no concerns
450	Douglas-fir	9	na	fair-good	low	na	no concerns
451	Douglas-fir	11	w 11	good	low	na	no concerns
452	Douglas-fir	9	w 10	good	low	na	no concerns
453	Douglas-fir	7	na	fair	lm	na	slight lean east
454	Douglas-fir	10	w 9	good	low	na	no concerns
455	Douglas-fir	9	na	good	low	na	no concerns
456	Douglas-fir	9	w 9	good	low	na	no concerns
457	Douglas-fir	7	na	fair-good	low	na	no concerns
458	Douglas-fir	7	na	fair	low-moderate	na	minor crook
459	Douglas-fir	6	na	poor	moderate	remove	suppressed
460	Douglas-fir	7	na	fair	low-moderate	na	suppressed
461	Douglas-fir	11	na	fair-good	low	na	sl lean
462	Douglas-fir	9	na	fair-good	low	na	no concerns
463	Douglas-fir	12	na	good	low	na	no concerns
464	Douglas-fir	9	na	fair-good	low	na	minor crook
465	Douglas-fir	10	na	fair	low	na	somewhat suppressed
466	Douglas-fir	9	na	fair-good	low	na	no concerns
467	Douglas-fir	8	na	fair	low	na	slight lean, suppressed
468	Douglas-fir	6	na	fair	low	na	somewhat suppressed
469	Douglas-fir	8	na	fair	low-moderate	na	flked bark lower trunk ok
470	Douglas-fir	9	na	fair	low	na	burls ok
471	Douglas-fir	8	na	fair	low	na	somewhat suppressed
472	Douglas-fir	10	na	good	low	na	no concerns
473	Douglas-fir	7	na	fair-good	low	na	no concerns
474	Douglas-fir	7	na	fair	low	na	moderate crook ok
475	Douglas-fir	6	na	dead	moderate	remove	recent dead, suppression
476	Douglas-fir	10	na	good	low	na	no concerns
477	Douglas-fir	7	na	fair-good	low	na	no concerns
478	Douglas-fir	7	na	fair	low	na	f tap, 25% lcr
479	Douglas-fir	6	na	fair-poor	moderate	remove	trunk defect
480	Douglas-fir	6	w 6	fair	low	na	somewhat suppressed

Tree/Tag #	Species	DBH	Affected Drip-line	Condition	Failure Risk	Recommendation	Comments
481	Douglas-fir	11	w 10	good	low	na	no concerns
482	Douglas-fir	11	w 12	good	low	na	no concerns
483	Douglas-fir	12	w 12	good	low	na	no concerns
484	Douglas-fir	8	na	fair-good	low	na	no concerns
485	Douglas-fir	8	na	good	low	na	no concerns
486	Douglas-fir	10	na	good	low	na	no concerns
487	Douglas-fir	6	na	fair	low-moderate	na	burls, ok
488	Douglas-fir	7	na	fair	low	na	fair taper
489	Douglas-fir	7	na	fair-good	low-moderate	na	fair taper
490	Douglas-fir	6	na	fair-poor	low-moderate	remove	suppressed
491	Douglas-fir	8	na	fair-poor	moderate	remove	suppressed
492	Douglas-fir	9	na	fair-good	low	na	no concerns
493	Douglas-fir	10	na	good	low	na	no concerns
494	Douglas-fir	7	na	fair	low	na	intermediate
495	Douglas-fir	10	na	good	low	na	no concerns
496	Douglas-fir	7	na	fair-good	low	na	no concerns
497	p mad 2	8,7	na	fair-good	low	na	typical form
498	Douglas-fir	6	na	fair-poor	low	remove	suppressed, thinning crown
499	Douglas-fir	8	na	fair	low-moderate	na	slight lean north
500	Douglas-fir	8	w 8	fair-good	low	na	no concerns
501	Douglas-fir	10	na	good	low	na	no concerns
502	Douglas-fir	7	na	fair	low-moderate	na	intermediate
503	Douglas-fir	7	na	fair	low-moderate	na	intermediate
504	Douglas-fir	6	na	fair	low	na	suppressed
505	Douglas-fir	7	na	fair	low	na	fair taper
506	Douglas-fir	8	na	fair-poor	moderate	remove	forked top, codominant stems
507	Douglas-fir	10	na	good	low	na	no concerns
508	Douglas-fir	6	na	fair	low	na	fair taper
509	Douglas-fir	7	na	fair	low	na	fair taper
510	Douglas-fir	7	na	fair-good	low	na	no concerns
511	Douglas-fir	10	na	good	low	na	no concerns
512	Douglas-fir	8	na	fair-good	low	ha	fair taper
513	Douglas-fir	7	na	fair	low	na	fair taper
514	Douglas-fir	7	na	fair-good	low	na	no concerns
515	Douglas-fir	6	na	fair	low-moderate	na	fair-poor taper
516	Douglas-fir	7	na	fair	low-moderate	na	fair-poor taper
517	Douglas-fir	6	na	fair	low-moderate	na	fair taper
518	Douglas-fir	7	na	fair	low-moderate	na	fair taper
519	Douglas-fir	7	na	fair	low	na	intermediate
520	Douglas-fir	8	na	fair	low-moderate	na	intermediate
521	Douglas-fir	18	w 16	good	low	na	no concerns
522	big leaf maple	9	w 16	fair-poor	moderate	remove	poor struc, assymetric crown
523	Douglas-fir	11	w 12	good	low	na	no concerns
524	Douglas-fir	10	w 8	fair-good	low	na	somewhat suppressed
525	Douglas-fir	9	na	fair-good	low	na	somewhat suppressed

Tree/Tag #	Species	DBH	Affected Drip-line	Condition	Failure Risk	Recommendation	Comments
551	Pacific Madrone	6	na	Fair	Low/Moderate	na	lean west, ok in grouping
552	Douglas-fir	8	w 10	Fair/Good	Low	na	good taper, somewhat suppressed
553	Douglas-fir	9	w 11	Fair/Good	Low	na	good taper, somewhat suppressed
554	Douglas-fir	8	w 10	Fair/Good	Low/Moderate	na	somewhat suppressed
555	Douglas-fir	10	na	Good	Low	na	no concerns, dominant
556	Douglas-fir	6	na	Fair	Low/Moderate	na	fair taper, ok in grouping
557	Douglas-fir	11	na	Good	Low	na	No Concerns
558	Douglas-fir	6	na	Fair	Low/Moderate	na	fair-poor taper, somewhat suppressed
559	Douglas-fir	7	na	Fair/Good	Low	na	No Concerns
560	Douglas-fir	10	na	Good	Low	na	No Concerns
561	Douglas-fir	7	na	Fair	Low/Moderate	na	Suppressed
562	Douglas-fir	12	na	Fair/Good	Low	na	slight natural lean west, minor crook
563	Douglas-fir	13	na	Fair/Good	Low	na	crooked top
564	Douglas-fir	9	na	Poor	Low/Moderate	na	topped in past at 10 ft, structure compromised
565	Douglas-fir	8	na	Poor	Moderate	na	topped in past at 10 ft, structure compromised
566	Douglas-fir	12	na	Poor	Moderate	na	topped in past at 10 ft, structure compromised
567	Douglas-fir	9	na	Fair/Good	Low	na	No Concerns
568	Douglas-fir	9	na	Poor	Moderate	na	topped at 8 ft
569	Douglas-fir	7	na	Fair	Low	na	fair taper
570	Douglas-fir	6	na	Fair/Poor	Moderate	na	topped at 10 ft, regenerated stable leader
571	Douglas-fir	7	na	Fair	Low/Moderate	na	fair taper
572	Douglas-fir	9	na	Good	Low	na	No Concerns
573	Black Cottonwood	7	na	Poor	High	Remove	heavy lean east, failing
574	Douglas-fir	10	na	Good	Low	na	No Concerns
575	Douglas-fir	11	w 8	Good	Low	na	No Concerns
576	Black Cottonwood	12	w 16	Fair	Moderate	Remove	prob in future
577	Douglas-fir	17	w 14	Good	Low	na	No Concerns
578	Douglas-fir	10	w 7	Fair/Good	Low	na	No Concerns
579	Douglas-fir	13	w 15	Fair	Low	na	broken top, suppressed by 580
580	Black Cottonwood	11	na	Fair/Poor	Moderate/High	Remove	lean, major crook, problematic
581	Douglas-fir	11	na	Good	Low	na	No Concerns
582	Douglas-fir	11	na	Good	Low	na	No Concerns
583	Douglas-fir	9	na	Good	Low	na	No Concerns
584	Douglas-fir	11	na	Good	Low	na	No Concerns
585	Douglas-fir	11	na	Good	Low	na	No Concerns
586	Douglas-fir	8	na	Poor	Low	Remove	topped, deformed
587	Douglas-fir	7	na	Poor	Moderate	Remove	topped, deformed
588	Douglas-fir	7	na	Poor	Low	Remove	topped, deformed
589	Douglas-fir	9	na	Poor	Moderate	Remove	topped, deformed
590	Douglas-fir	13	na	Poor	Moderate	Remove	topped, deformed
591	Douglas-fir	7	na	Fair/Poor	Moderate	retention ok in grouping	topped, regenerated leader has fair attachment
592	Douglas-fir	7	na	Fair/Good	Low	na	fair taper
593	Douglas-fir	8	na	Good	Low	na	No Concerns
594	Douglas-fir	8	na	Good	Low	na	No Concerns
595	Douglas-fir	7	na	Fair/Good	Low	na	No Concerns

Tree/Tag #	Species	DBH	Affected Drip-line	Condition	Failure Risk	Recommendation	Comments
596	Douglas-fir	10	w 7	Good	Low	na	No Concerns
597	Douglas-fir	7	w 7	Fair	Low/Moderate	na	somewhat suppressed
598	Douglas-fir	13	w 12	Fair/Good	Low/Moderate	na	slight natural lean west
599	Douglas-fir	10	w 7	Fair/Good	Low/Moderate	na	moderate crook
600	Douglas-fir	18	w 17	Good	Low	na	good taper, full crown
601	Douglas-fir	7	na	Dead	Moderate	Remove	nat supp
602	Douglas-fir	7	na	Fair	Low	na	seam, ok taper
603	Douglas-fir	7	na	Fair	Low	na	fair taper
604	Douglas-fir	9	na	Fair/Good	Low	na	No Concerns
605	Douglas-fir	10	na	Fair	Low/Moderate	na	broken leader, suppressed by cottonwood
606	Douglas-fir	9	na	Fair/Good	Low	na	crooked trunk, good taper
607	Douglas-fir	10	na	Fair/Good	Low	na	minor crooks
608	Douglas-fir	9	na	Fair	Low/Moderate	na	moderate crook
609	Douglas-fir	10	na	Good	Low	na	No Concerns
610	Douglas-fir	12	na	Fair/Good	Low	na	minor crooks
611	Douglas-fir	7	na	Fair	Low	na	fair taper, minor crooks
612	Douglas-fir	9	na	Fair/Good	Low/Moderate	na	fair taper, minor crooks
613	Douglas-fir	12	na	Good	Low	na	No Concerns
614	Douglas-fir	10	na	Good	Low	na	No Concerns
615	Douglas-fir	9	na	Fair/Good	Low	na	fair taper
616	Douglas-fir	11	na	Good	Low	na	No Concerns
617	Douglas-fir	6	na	Fair	Low/Moderate	na	suppressed by 618
618	Pacific Madrone	14	na	Fair/Good	Low	na	typical form
619	Douglas-fir	11	na	Good	Low	na	No Concerns
620	Douglas-fir	15	na	Good	Low	na	No Concerns
621	Douglas-fir	7	na	Fair/Good	Low	na	fair taper
622	Douglas-fir	11,8	na	Fair/Poor	Moderate/High	Remove	fork at 2 ft, poor att, incl bark, prob in future
623	Douglas-fir	6	na	Fair	Low	na	fair taper
624	Douglas-fir	9	na	Good	Low	na	No Concerns
625	Douglas-fir	11	na	Good	Low	na	No Concerns
626	Douglas-fir	7	na	Fair/Good	Low	na	No Concerns
627	Douglas-fir 2	6,6	w 9	Fair	Low/Moderate	na	minor crooks
628	Douglas-fir	13	w 11	Good	Low	na	No Concerns
629	Douglas-fir	10	na	Good	Low	na	No Concerns
630	Douglas-fir	7	w 6	Fair/Good	Low	na	somewhat suppressed
631	Douglas-fir	13	w 12	Good	Low	na	minor crooks
632	Douglas-fir	7	na	Fair/Good	Low	na	50% live crown ratio
633	Douglas-fir	10	na	Fair/Good	Low	na	minor crooks
634	Douglas-fir	9	na	Fair/Good	Low	na	minor crooks
635	Douglas-fir	7	na	Fair/Good	Low	na	fair taper
636	Douglas-fir	7	na	Fair	Low/Moderate	na	fair taper
637	Douglas-fir	10	na	Good	Low	na	No Concerns
638	Pacific Madrone	8	na	Fair/Good	Low	na	typical form
639	Douglas-fir	10	na	Fair/Good	Low/Moderate	Remove ivy	fair taper
640	Douglas-fir	8	na	Fair	Low/Moderate	na	fair taper

Tree/Tag #	Species	DBH	Affected Drip-line	Condition	Failure Risk	Recommendation	Comments
641	Pacific Madrone	8	na	Fair	Low	na	typical form
642	Pacific Madrone 2	7,7	na	Fair	Low/Moderate	na	heavy leans northwest
643	Douglas-fir	8	na	Fair/Good	Low	na	fair taper
644	Pacific Madrone	6	na	Fair	Low/Moderate	na	basal decay, ok in grouping
645	Douglas-fir	7	na	Fair/Good	Low	na	fair taper
646	Douglas-fir	13	na	Good	Low	na	minor crooks
647	Douglas-fir	10	na	Fair/Good	Low	na	minor crooks
648	Douglas-fir	8	na	Fair	Low	na	sw suppressed
649	Douglas-fir	10	na	Good	Low	na	No Concerns
650	Douglas-fir	8	na	Good	Low	na	No Concerns
651	Douglas-fir	8	na	Fair/Good	Low	na	fair taper
652	Douglas-fir	9	na	Fair/Good	Low	na	fair taper
653	Douglas-fir	7	na	Fair/Good	Low	na	fair taper
654	Douglas-fir	11	w 10	Good	Low	na	No Concerns
655	Douglas-fir	11	w 13	Good	Low	na	No Concerns
656	Douglas-fir	11	w 12	Fair/Good	Low	na	minor fork
657	Douglas-fir	8	na	Fair/Good	Low	na	fair taper
658	Douglas-fir	6	w 8	Fair	Low	na	somewhat suppressed
659	Douglas-fir	11	s 9, w 10	Good	Low	na	No Concerns
660	Douglas-fir	11	s 10	Fair/Good	Low	na	minor sweep
661	Douglas-fir	9	s 10	Fair/Good	Low	na	No Concerns
662	Douglas-fir	10	na	Good	Low	na	No Concerns
663	Douglas-fir	9	w 9	Fair/Good	Low	na	minor crooks
664	Douglas-fir	8	s 6, w 6	Fair/Good	Low	na	fair taper
665	Douglas-fir	10	w 12	Good	Low	Remove vines	No Concerns
666	Douglas-fir	12	s 9, w 12	Good	Low	Remove vines	No Concerns
667	Douglas-fir	12	na	Good	Low	na	No Concerns
668	Douglas-fir	7	na	Fair/Poor	Low/Moderate	retention ok in grouping	broken top, suppressed, crook
669	Black Cottonwood	13	na	Poor	Moderate/High	Remove	decay, decline, dieback
670	Douglas-fir	19	na	Fair	Moderate	na	topped in past, regenerated leaders appear sound
671	Douglas-fir	12	na	Fair	Moderate	na	topped in past, regenerated leaders appear sound
672	Douglas-fir	8	na	Poor	Moderate	Remove	topped, structure compromised by decay
673	Douglas-fir	9	na	Fair	Moderate	na	topped in past, regenerated leaders appear soundly attached
674	Douglas-fir	12	na	Fair	Moderate	na	topped in past, regenerated leaders appear soundly attached
675	Big Leaf Maple 2	7,6	na	Poor	Moderate/High	Remove	decay, poor structure
676	Douglas-fir	9	na	Poor	Moderate	Remove	topped, suppressed
677	Douglas-fir	11	s 11	Fair/Good	Low/Moderate	na	minor crook
678	Douglas-fir	7	w 6	Fair	Low/Moderate	na	fair taper
679	Douglas-fir	11	s10, w 11	Good	Low	na	No Concerns
680	Douglas-fir	8	s 9	Fair/Good	Low	na	No Concerns
681	Douglas-fir	10	s 8, w 10	Fair/Good	Low	Remove vines	No Concerns
682	Douglas-fir	8	s 6, w 6	Fair	Low	Remove vines	somewhat suppressed
683	Douglas-fir	6	s 4, w 8	Fair/Poor	Low	na	suppressed, deformed top
684	Bitter Cherry	10	s 6, w 11	Fair	Low/Moderate	na	good form, pioneer species
685	Big Leaf Maple	6	s 3, w 10	Fair/Poor	Moderate	Remove	poor structure, problematic in future

Tree/Tag #	Species	Condition	DBH	Height	Drip-Line (feet)				Failure Potential	Preservation Value	Maint Rec	Maint Est. Time	Comments
					N	S	E	W					
					706	London plane	good	9					
707	London plane	good	6	26	7	9	6	11	low	moderate-high	na	na	same, natural
708	London plane	good	9	33	12	12	10	12	low	moderate-high	na	na	good form, no concerns
709	London plane	good	9	29	8	13	12	10	low	moderate-high	na	na	no concerns
710	London plane	good	5	20	7	8	4	7	low	moderate-high	na	na	same
711	London plane	fair-good	10	30	8	12	10	9	low	moderate-high	RC	0.5	reduce crown on s side, shape
712	London plane	good	14	38	14	16	14	13	low	moderate-high	na	na	good form
713	London plane	fair-good	8	22	10	8	8	6	low	moderate-high	na	na	decent form
714	London plane	good	8	22	13	12	12	10	low	moderate-high	CC	0.5	good form
715	London plane	good	10	24	14	12	13	10	low	moderate-high	CC	0.5	good form
716	London plane	good	10	27	11	14	12	10	low	moderate-high	CC	0.5	in concrete well
717	London plane	fair-good	9	20	12	10	10	12	low	moderate-high	CC	0.5	in concrete well
718	London plane	fair	7	33	11	9	12	10	moderate	moderate	na	na	poor taper, struc, susc to br failures
719	London plane	good	4	15	5	6	5	5	low	moderate	na	na	good form
720	London plane	good	7	24	13	13	12	11	low	moderate-high	CC	0.5	good form
721	London plane	fair-good	7	26	8	12	12	10	low	moderate-high	na	na	decent form
722	London plane	good	11	22	11	14	10	12	low	moderate-high	CC	1	good form
723	London plane	fair-good	8	20	14	10	11	12	low	moderate-high	na	na	trunk leans south, ok
724	London plane	good	9	22	14	14	14	12	low	moderate-high	CC	0.5	good form
725	London plane	fair	14	28	15	14	14	12	moderate	moderate	DW,CC	1	old wound, topped for light, significant deadwood
726	London plane	good	13	30	10	16	14	14	low	moderate-high	na	na	good form
727	London plane	good	16	36	16	16	14	13	low	moderate-high	CC	1	good form
728	London plane	good	8	23	12	10	10	10	low	moderate-high	na	na	good form
729	London plane	fair-good	10	46	12	14	9	14	low	moderate-high	na	na	more upright form
730	London plane	good	9	27	12	13	10	12	low	moderate-high	CC	0.75	good form
731	London plane	good	13	31	15	14	14	11	low	moderate-high	CC	0.75	good form
732	London plane	fair-good	9	50	9	14	14	8	low-moderate	moderate-high	na	na	upright form
733	London plane	good	13	32	16	12	18	10	low	moderate-high	CC	0.75	good form
734	London plane	good	15	47	13	14	20	16	low	moderate-high	CC	0.75	no concerns
735	London plane	good	14	36	16	10	14	12	low	moderate-high	CC	0.75	no concerns
736	London plane	good	20	39	14	21	14	20	low	moderate-high	CC	1	no concerns
737	London plane	good	16	38	18	18	16	16	low	moderate-high	CC	1	no concerns
738	Japanese maple	fair-good	6	12	8	8	8	10	low	moderate	na	na	canopy under overhang, too much mulch around base
739	Japanese maple 2	fair-poor	6,8	12	16	0	8	12	moderate	low-moderate	remove	1	root plate failing, too close to building
740	flowering cherry	fair-poor	12	10	9	6	8	8	low-moderate	low	na	na	mature, poor form, canker disease
741	Douglas-fir	fair-good	13	42	12	14	11	12	low	moderate	na	na	in above ground planter
742	Douglas-fir	fair-good	14	44	12	14	14	14	low	moderate	na	na	in electrical compound
743	shore pine 2	fair	9,8	36	12	12	12	8	moderate	low	na	na	fair structure, in above ground planter
744	quaking aspen 2	fair-poor	7,6	30	12	8	18	4	mh	low	na	na	decay, leans
745	dogwood	fair	10	38	9	8	8	11	moderate	moderate	na	na	fork with codom stems
746	quaking aspen	poor	9	24	na	na	na	na	low-moderate	low	na	na	broken top, struc compromised
747	parrotia 4	fair	4-7	27	10	12	8	12	low-moderate	moderate	na	na	tight grouping
748	plum 2	fair	6,5	15	7	8	8	10	low	low	na	na	typical
749	elm	fair-poor	7	17	14	10	14	9	low-moderate	moderate	na	na	poor structure, mult v shaped forks

Tree/Tag # Species	Condition	DBH	Height	Drip-Line (feet)				Failure Potential	Preservation Value	Maint Rec	Maint Est. Time	Comments
				N	S	E	W					
				750 fl cherry 3	fair-poor	9,10,6	20					
751 bird cherry	fair	7	20	12	8	14	12	low	low	na	na	small grouping, fair to poor structure
752 bird cherry	fair-poor	2-6	25	12	10	12	14	moderate	low	na	na	main trunk forks at 2 ft into mult small stems, poor att
753 parrotia persica	fair-good	7	17	14	14	10	10	low	moderate-high	na	na	good form
754 quaking aspen	fair	9	38	15	4	14	8	moderate	low	na	na	assymetric crown
755 quaking aspen	fair-good	8	36	5	10	12	12	low-moderate	low	na	na	fairly good form
756 flowering cherry	fair	12	14	9	8	7	7	low	low-moderate	na	na	decent form
757 western red cedar 3	good	7,10,11	34	12	12	10	10	low	moderate-high	na	na	young, no concerns
758 flowering cherry	fair-poor	11	20	7	18	12	14	moderate	low	na	na	basal decay, poor stem attachments
759 jap maple	fair-poor	7	12	8	6	5	5	low-moderate	moderate	na	na	poor structure, diseased
760 flowering cherry	fair	9	12	12	12	9	8	low	moderate	na	na	cherry gumosis, wood borers
761 flowering cherry	fair	10	12	14	6	10	7	low	moderate	na	na	canker disease, typical
762 flowering cherry	fair-good	6	10	10	10	14	6	low	moderate	na	na	no concerns
763 flowering cherry	fair	9	13	12	14	8	10	low	moderate	na	na	gumosis, cankers
764 London plane	fair-good	13	52	16	8	20	8	low-moderate	moderate-high	EW	0.5	natural lean east
765 London plane	fair-good	9	56	12	8	20	6	low	moderate-high	na	na	more upright form
766 London plane	fair-good	14	54	14	10	18	8	low	moderate-high	CC	0.75	natural lean east
767 London plane	fair-good	11	52	10	12	16	10	low-moderate	moderate-high	na	na	fairly good form
768 London plane	fair-good	12	53	12	6	20	8	low-moderate	moderate-high	EW	0.5	nat lean east
769 London plane	good	14	51	14	18	20	18	low	moderate-high	na	na	good form, lifting sidewalk
770 London plane	good	8	35	10	8	16	12	low	moderate-high	na	na	more upright form
771 London plane	good	16	34	12	18	14	14	low	moderate-high	CC	0.75	good form, recent sidewalk repair, south side
772 London plane	fair-good	18	36	18	18	15	18	low	moderate-high	CC	0.75	recent injury to lower trunk, minor
773 London plane	good	14	30	14	14	14	13	low	moderate-high	na	na	good form
774 London plane	good	10	31	10	10	11	9	low	moderate-high	na	na	no concerns
775 white fir	fair-poor	6	10	3	3	2	3	low	low	na	na	dead top, stunted
776 vine maple 2	fair	7,6	18	12	6	7	12	low	moderate	na	na	too close to bldg
777 vine maple 4	fair	3-4	20	8	5	12	7	low	moderate	na	na	diseased
778 London plane	good	10	28	8	14	12	10	low	moderate-high	na	na	no concerns
779 London plane	good	13	36	16	14	18	12	low	moderate-high	na	na	sound fork
780 London plane	good	12	38	18	16	18	13	low	moderate-high	CC	1	sound fork
781 London plane	good	11	46	14	8	16	14	low	moderate-high	na	na	slight lean east
782 London plane	fair-good	24	48	12	16	16	10	low-moderate	moderate-high	CC	0.75	large pruning wound on lower trunk, ok
783 London plane	good	11	48	14	17	14	14	low	moderate-high	na	na	good form
784 London plane	fair-good	7	41	12	6	10	8	low-moderate	moderate-high	na	na	fair taper
785 London plane	good	10	36	11	15	9	10	low	moderate-high	na	na	no concerns
786 London plane	good	11	38	14	16	13	14	low	moderate-high	CC	0.75	no concerns
787 London plane	good	15	46	12	18	14	10	low	moderate-high	CC	0.75	fork, good attachment, sound
788 London plane	good	18	54	16	18	17	16	low	moderate-high	CC	1	no concerns
789 London plane	good	8	39	10	12	14	11	low	moderate-high	na	na	no concerns
790 London plane	good	9	32	9	11	12	10	low	moderate-high	na	na	no concerns
791 ash	good	5	20	8	8	8	6	low	moderate	na	na	in small planter
792 ash	fair-good	4	16	4	4	4	6	low	moderate	na	na	fair structure
793 ash	fair-good	6	26	8	10	10	9	low	moderate	na	na	fair structure

Tree/Tag #	Species	DBH	Affected Drip-line	Condition	Failure Risk	Recommendation	Comments
817	Big Leaf Maple	32,13,12	na	Poor	Moderate/High	Remove	extensive trunk decay
818	Black Cottonwood	31	n 22	Fair	Moderate/High	Remove	previous scaffold failures
819	Douglas-fir	19	n 14	Fair	Low	na	fork at 12 ft, fairly sound attachment
820	Douglas-fir	25	e 13	Good	Low	na	no concerns
821	Douglas-fir	24	n 12, e 14	Good	Low	na	old injury to trunk, appears sound
822	Douglas-fir	23	n 14, e 14	Fair/Good	Low	na	old broken top
823	Big Leaf Maple	13	na	Poor	Moderate/High	Remove	basal decay, in decline
824	Douglas-fir	29	n 16, e 13	Good	Low	na	appears sound, good color
825	Big Leaf Maple	20	na	Poor	Moderate/High	Remove	extensive trunk decay, hypoxylon infection
826	Big Leaf Maple 2	10,6	n 12	Fair/Poor	Moderate	na	poor form - structure
827	Big Leaf Maple 6	6-13	e 22	Fair/Poor	Moderate/High	Remove	some decline, poor taper
828	Big Leaf Maple 2	8,10	e 14	Poor	Moderate/High	Remove	fork at base, weak attachment
829	Big Leaf Maple 7	8-12	e 24	Fair/Poor	Moderate/High	na	trunk seams, decay, poor taper
830	Big Leaf Maple	8	na	Poor	Moderate/High	na	seam, cavity on lower trunk, problematic
831	Big Leaf Maple 2	7,8	s 14	Fair	Moderate	na	poor trunk taper
832	Big Leaf Maple	10	s 9	Poor	Moderate/High	Remove	fork at 10 ft, codominant stems
833	Black Cottonwood	31	s 26, e 20	Fair	Moderate/High	Remove	problematic
834	Douglas-fir	6	s 8	Fair	Low	na	suppressed
835	Big Leaf Maple 2	10,7	na	Poor	Moderate/High	Remove	suppressed, dead top on 10"
836	Big Leaf Maple 2	6,11	na	Fair	Moderate	Remove 6"	6" poor taper, 10" ok
837	Big Leaf Maple	6	na	Fair	Moderate	na	poor taper
838	Big Leaf Maple	6	na	Poor	Moderate/High	Remove	decay, poor taper
839	Big Leaf Maple	9	na	Fair	Low/Moderate	na	fork, good/sound attachment
840	Big Leaf Maple	7	na	Fair/Poor	Moderate	Remove	trunk seam, problematic
841	Big Leaf Maple 2	6,6	na	Poor	Moderate/High	Remove	fork at 2 ft, codominant stems, seams
842	Big Leaf Maple	8	na	Fair	Low/Moderate	na	poor taper
843	Big Leaf Maple 2	10,7	na	Poor	Moderate/High	Remove	fork at 2 ft, codominant stems, problematic
844	Big Leaf Maple	8	na	Fair/Poor	Moderate	Remove	trunk seams, problematic
845	Big Leaf Maple 2	11,6	na	Fair	Moderate/High	Remove 6"	6" poorly attached, seams
846	Big Leaf Maple	9	na	Fair	Moderate	na	fork ok, decent taper
847	Big Leaf Maple	11,5	na	Fair	Moderate	Remove 5"	fork, ok attachment/union
848	Big Leaf Maple	7	na	Fair/Poor	Moderate	Remove	large seam, decay, problematic
849	Big Leaf Maple	8	na	Fair/Poor	Moderate	na	large seam, decay, problematic
850	Big Leaf Maple 2	9,10	na	Poor	High	Remove	fork at base, weak union, compromised
851	Big Leaf Maple 3	9,11,12	e 20	Fair/Poor	Moderate	na	poor basal attachments, weak unions
852	Big Leaf Maple	6	e 6	Fair/Poor	Moderate	Remove	poor taper
853	Big Leaf Maple 2	16,11	e 18	Fair	Moderate	Remove 11"	fork ok, decent form
854	Big Leaf Maple	11	na	Fair	Moderate	na	seams
855	Big Leaf Maple	6	na	Fair	Moderate	na	assymetric crown
856	Douglas-fir	16	e 12	Good	Low	na	good form, full crown
857	Leyland cypress	10	e 12	Good	Low	na	good taper, full crown
858	Big Leaf Maple	6	na	Poor	Moderate	Remove	decay, poor structure
859	Big Leaf Maple 2	14,7	e 22	Fair	Moderate	na	multiple forks, compact crown
860	Pacific Madrone 2	13,9	e 16	Fair/Good	Low	na	minor branch dieback
861	Douglas-fir	21	e 16	Good	Low	na	full crown, slight natural lean west

Tree/Tag #	Species	DBH	Affected Drip-line	Condition	Failure Risk	Recommendation	Comments
862	Pacific Madrone		7 na	Fair	Low	na	nat lean north, sw supp
863	Pacific Madrone		18 e 16	Fair	Low	na	natrassia canker ok, good vigor
864	Douglas-fir		7 na	Fair	Low	na	somewhat suppressed
865	Douglas-fir		14 e 10	Fair/Good	Low	na	minor crooks
866	Black Cottonwood		12 na	Fair/Poor	Moderate	Remove	problematic
867	Big Leaf Maple 4	6~9	e 16	Fair/Poor	Moderate	Remove	poor taper, problematic
868	Black Cottonwood		11 na	Fair/Poor	Moderate	Remove	decay column, problematic
869	Big Leaf Maple 3	8~10	e 20	Fair	Moderate	na	poor basal attachment
870	Black Cottonwood		9 na	Fair/Poor	Moderate/High	Remove	decay column, lean
871	Black Cottonwood		14 na	Fair	Moderate	Remove	fork, problematic
872	Black Cottonwood		21 na	Fair	Moderate	Remove	problematic
873	Black Cottonwood		11 na	Fair/Poor	Moderate/High	Remove	lean to houses
874	Douglas-fir		12 e 9	Fair/Good	Low	na	slight natural lean
875	Douglas-fir		12 na	Fair/Good	Low	na	slight natural lean
876	Pacific Madrone 2	7,6	na	Fair	Low	na	suppressed, poor form
877	Douglas-fir		12 na	Fair/Good	Low	na	slight natural lean southwest, somewhat suppressed
878	Big Leaf Maple		7 na	Fair/Good	Moderate	Remove	suppressed, lean to houses
879	Douglas-fir		9 na	Fair/Good	Low	na	minor crooks
880	Big Leaf Maple		8 na	Fair	Low/Moderate	na	poor structure
881	red alder		10 na	Poor	High	Remove	extensive decay, low potential for major damage
882	Black Cottonwood		11 na	Fair	Moderate	Remove	lean to houses, problematic
883	Big Leaf Maple		7 na	Fair/Poor	Moderate	Remove	poor structure
884	Big Leaf Maple		6 na	Fair	Moderate	na	suppressed
885	Big Leaf Maple		9 na	Fair/Good	Low	na	no concerns
886	Black Cottonwood 2	10,5	na	Fair/Poor	Moderate	Remove	problematic
887	Big Leaf Maple		7 na	Fair/Good	Low/Moderate	na	no concerns
888	Big Leaf Maple 2	12,8	e 19	Fair	Moderate	Remove clematis	poor basal attachment
889	Big Leaf Maple		6 na	Fair	Low/Moderate	na	decent form
890	Douglas-fir		6 na	Fair	Low/Moderate	na	decent form
891	Big Leaf Maple 3	6,7,6	na	Fair/Poor	Moderate	Remove	poor taper, ivy problematic
892	Big Leaf Maple		6 na	Fair/Poor	Moderate	Remove	trunk seams, problematic
893	Big Leaf Maple		8 na	Fair	Low/Moderate	na	decent form
894	Douglas-fir		16 na	Good	Low	na	full crown
895	Big Leaf Maple		6 na	Fair	Low/Moderate	corrective prune top	forked top, soon to be codominant stems
896	Big Leaf Maple		7 e 8	Fair	Low/Moderate	Remove ivy	forked top
897	Big Leaf Maple 2	7,4	e 6	Fair	Low/Moderate	Remove 4" stem	decent form
898	Big Leaf Maple		9 na	Fair	Low/Moderate	Remove ivy	decent form
899	Black Cottonwood		6 na	Poor	High	Remove	lean, poor taper
900	Black Cottonwood		8 na	Fair/Poor	Moderate/High	rem	lean, problematic
901	Douglas-fir		14 na	Good	Low	na	no concerns
902	Black Cottonwood		15 na	Fair/Poor	Moderate/High	Remove	trunk sweep, problematic
903	Douglas-fir		11 e 10	Good	Low	na	no concerns
904	Douglas-fir		6 na	Fair	Low/Moderate	Remove ivy	suppressed
905	Douglas-fir		13 na	Fair/Good	Low	Remove ivy	minor crook
906	Douglas-fir		17 e 16	Good	Low	Remove ivy	good taper, full crown

Tree/Tag #	Species	DBH	Affected Drip-line	Condition	Failure Risk	Recommendation	Comments
907	Big Leaf Maple		7 e 12	Fair	Low/Moderate	na	decent form
908	Douglas-fir		16 na	Good	Low	Remove ivy	no concerns
909	Douglas-fir		13 e 16	Good	Low	Remove ivy	slight natural lean east
910	Black Cottonwood 2	20,17	e 14	Fair	Moderate	Remove	problematic
911	Black Cottonwood		12 na	Fair	Moderate	Remove	problematic in future
912	Douglas-fir		11 e 11	Good	Low	na	slight natural lean north
913	Black Cottonwood		7 na	Fair/Poor	Moderate/High	Remove	old broken top, lean, decay column
914	Douglas-fir		12 e 12	Good	Low	na	no concerns
915	Douglas-fir		14 na	Good	Low	na	no concerns
916	Douglas-fir		10 na	Fair/Good	Low	na	minor crooks
917	Douglas-fir		14 na	Good	Low	na	no concerns
918	Douglas-fir		9 e 8	Fair/Good	Low	na	no concerns
919	Douglas-fir		13 n16, e 16	Good	Low	na	edge of park lot, no concerns
920	Douglas-fir		8 e 8	Good	Low	na	no concerns, young
921	Douglas-fir		8 na	Good	Low	na	no concerns, young
922	Douglas-fir		13 na	Good	Low	na	no concerns
923	Douglas-fir		10 na	Good	Low	na	sl nat lean
924	Pacific Madrone		9 e 20	Fair/Good	Low	na	typical form
925	Douglas-fir		12 e 8	Fair/Good	Low	na	minor crooks
926	Douglas-fir		7 e 7	Fair/Good	Low	na	somewhat suppressed
927	Black Cottonwood		16 e 18	Fair	Moderate	Remove	problematic in future
928	Pacific Madrone		9 e 18	Fair	Low/Moderate	na	heavy lean northeast
929	Black Cottonwood		10 na	Fair	Moderate	Remove	problematic
930	Pacific Madrone		6 e 10	Fair	Low/Moderate	na	heavy lean northeast
931	Douglas-fir		12 e 8	Good	Low	na	no concerns
932	Douglas-fir		16 na	Good	Low	na	no concerns
933	Douglas-fir		12 e 12	Fair/Good	Low	na	minor crooks
934	Douglas Fir 2	12,13	e 12	Fair/Good	Low/Moderate	na	fork at base, included bark, dont isolate
935	Douglas-fir		9 e 11	Fair/Good	Low	na	fair taper
936	Douglas-fir		14 e 12	Good	Low	na	no concerns
937	Douglas-fir		13 e 14	Fair	Low/Moderate	na	crooked trunk, ok
938	Douglas-fir		14 s 14, e 8	Fair	Low	na	minor sweep, old broken top
939	Big Leaf Maple		13 e 14	Fair	Moderate	na	forked top, codominant stems
940	Big Leaf Maple		14 na	Fair	Moderate	na	forked top, codominant stems
941	Douglas-fir		7 s 7	Fair	Low	Remove ivy	covered in ivy, somewhat suppressed
942	Douglas-fir		16 s 9	Fair/Good	Low	Remove ivy	covered in ivy
943	Big Leaf Maple		7 s 9	Good	Low	na	good form, taper, young
944	Big Leaf Maple		7 na	Poor	Moderate	Remove	cavity on lower trunk, problematic
945	Bitter Cherry		8 s 13	Fair	Low/Moderate	na	fair structure
946	Pacific Madrone		16 s 12	Fair/Good	Low	Remove ivy	lower trunk covered in ivy
947	Big Leaf Maple		7 na	Fair/Good	Low	corrective prune top	remove ivy, codominant stems
948	Douglas-fir		18 s 10	Fair/Good	Low	Remove ivy	no concerns
949	Black Cottonwood		21 s 20	Fair	Moderate	Remove	forked top, problematic
950	Big Leaf Maple		6 s 4	Fair	Low/Moderate	Remove ivy	fair taper, structure
951	Big Leaf Maple 3	8,6,6	s 12	Fair	Low/Moderate	Remove 6" stems	fair taper, somewhat suppressed

Tree/Tag #	Species	DBH	Affected Drip-line	Condition	Failure Risk	Recommendation	Comments
952	Douglas-fir	15	s 13	Good	Low	na	close to fence, no concerns
953	Big Leaf Maple 3	9,6,7	na	Fair/Poor	Moderate	Remove	brok tops, seams, suppressed
954	Big Leaf Maple	8	s 8	Fair/Good	Low	Remove ivy	decent form, taper
955	Douglas Fir	17	s 9	Good	Low	na	no concerns
956	Big Leaf Maple	7	na	Fair/Poor	Low/Moderate	Remove	significant basal frost crack, problematic
957	Big Leaf Maple	12	na	Fair/Poor	Moderate	Remove	significant basal frost crack, problematic
958	Wester Red Cedar	7	na	Good	Low	Remove ivy	somewhat suppressed, ok
959	Douglas-fir	11	s 8	Good	Low	Remove ivy	no concerns
960	Bitter Cherry	6	na	Poor	Moderate/High	Remove	extensive trunk rot
961	Douglas-fir	13	s 10	Good	Low	na	somewhat suppressed by 962 cw
962	Black Cottonwood	22	s 20	Fair	Moderate/High	Remove	problematic in future
963	Big Leaf Maple	6	s 8	Fair	Low/Moderate	na	suppressed by 962 cw
964	Douglas-fir	10	s 6	Good	Low	Remove ivy	no concerns
965	Douglas-fir	7	s 4	Fair	Low	na	somewhat suppressed
966	Douglas-fir	12	s 6	Fair/Good	Low	na	small crown
967	Big Leaf Maple 2	13,11	s 18	Fair	Moderate	na	forded at 2'; moderate included bark, ok in grouping
968	Douglas-fir	17	s 14	Fair/Good	Low	na	minor crook, close to fence
969	Big Leaf Maple	7	s 12	Fair	Low/Moderate	na	fair structure
970	Douglas-fir	7	na	dead	Moderate/High	Remove	recent dead, suppression
971	Douglas-fir	15	s 10	Good	Low	na	no concerns
972	Douglas-fir	12	s 8	Good	Low	na	no concerns
973	Douglas-fir	10	s 8	Fair/Good	Low	na	minor sweep
974	Black Cottonwood	10	na	Poor	Moderate/High	Remove	broken top, decay column
975	Pacific Madrone	8	s 2	Fair/Good	Low	Remove ivy	nat lean north, good vigor
976	Big Leaf Maple	15	s 11	Fair/Good	Low/Moderate	na	fairly good form, structure
977	Pacific Madrone	9	s 0	Fair	Low/Moderate	na	heavy lean north, ok
978	Douglas-fir	9	s 5	Fair/Good	Low	na	fair taper
979	Pacific Madrone	6	s 2	Fair	Low	na	small crown, somewhat suppressed
980	Douglas-fir	9	s 8	Fair	Low	na	somewhat suppressed
981	Douglas-fir	9	s 10	Fair	Low	na	somewhat suppressed
982	Big Leaf Maple	7	s 9	Fair	Low/Moderate	na	somewhat suppressed
983	Big Leaf Maple	7	s 12	Fair	Low/Moderate	na	suppressed, assymetric crown to south
984	Big Leaf Maple	8	s 10	Fair	Low/Moderate	na	suppressed, assymetric crown to south
985	Douglas-fir	17	s 12	Good	Low	na	no concerns
986	Douglas-fir	15	s 8	Fair/Good	Low	na	slight natural lean north
987	Big Leaf Maple	9	s 8	Fair	Moderate	corrective prune top	forked top, codominant stems
988	Big Leaf Maple	10	s 14	Fair	Low/Moderate	na	assymetric crown to south, suppressed
989	Big Leaf Maple	8	s 12	Fair	Low/Moderate	na	assymetric crown to south, suppressed
990	Big Leaf Maple	6	s 8	Fair/Good	Low	na	decent form
991	Big Leaf Maple 2	9,8	s 12	Fair	Moderate	na	fork at 2', mod incl bark
992	Douglas Fir	6	s 3	Fair	Low/Moderate	na	suppressed, deformed top
993	Black Cottonwood	27	s 28	Fair	Moderate	Remove	problematic in future
994	Douglas-fir	16	na	Fair	Low/Moderate	na	moderate crooks, ok
995	Black Cottonwood	10	na	Fair/Poor	Moderate/High	Remove	poor taper, problematic
996	Pacific Madrone	11	s 3	Fair/Good	Low/Moderate	na	self-corrected lean to north, good vigor

Tree/Tag #	Species	DBH	Affected Drip-line	Condition	Failure Risk	Recommendation	Comments
997	Douglas-fir	7	s 3	Fair	Low	na	old broken top, suppressed
998	Big Leaf Maple	8	s 8	Fair/Good	Low/Moderate	na	decent form
999	Big Leaf Maple	7	na	Poor	Moderate/High	Remove	extensive decay, decline
1000	Douglas-fir	13	s 12	Good	Low	na	no concerns
1001	Big Leaf Maple	9	s 14	Fair	Low/Moderate	na	suppressed by 1000
1002	Big Leaf Maple	10	s 16	Fair	Low/Moderate	na	assymetric crown to south, fork
1003	Big Leaf Maple	7	s 11	Fair/Good	Low	na	good form
1004	Black Cottonwood	11	na	dead	Moderate/High	Remove	broken at 25'
1005	Big Leaf Maple	10	s 16	Fair/Poor	Moderate/High	Remove	assymetric crown to south, fork with included bark
1006	Douglas-fir	7	s 6	Fair	Low	na	suppressed
1007	Big Leaf Maple	6	s 12	Fair/Poor	Moderate	Remove	fork, codominant stems, problematic
1008	Big Leaf Maple	7	s 14	Fair/Poor	Low/Moderate	Remove	significant basal frost crack, problematic
1009	Western Red Cedar	6	s 8	Good	Low	na	somewhat suppressed, full crown
1010	Big Leaf Maple	8	ha	Fair/Poor	Moderate	Remove	suppressed, poor structure
1011	Douglas-fir	14	s 10	Fair/Good	Low	na	minor crooks
1012	Big Leaf Maple	9	s 8	Fair/Good	Low/Moderate	na	decent form
1013	Big Leaf Maple	10	s 4	Fair	Low/Moderate	na	somewhat suppressed, assymetric crown
1014	Pacific Madrone	13	s 0	Fair	Low/Moderate	na	natural lean north, typical form
1015	Pacific Madrone	11	s 0	Fair	Low/Moderate	na	natural lean north, typical form
1016	Black Cottonwood	14	na	Fair	Moderate/High	Remove	problematic in future
1017	Pacific Madrone	11	s 9	Fair/Good	Low/Moderate	na	good form
1018	Big Leaf Maple	8	s 12	Fair	Low/Moderate	na	assymetric crown to south, suppressed
1019	Big Leaf Maple	8	s 10	Fair	Low/Moderate	na	fair taper, good form
1020	Big Leaf Maple	6	s 6	Fair	Low/Moderate	na	fair taper, somewhat suppressed
1021	Western Red Cedar	7	na	Good	Low	na	somewhat suppressed
1022	Western Red Cedar	6	na	Fair	Low/Moderate	na	decay column ok
1023	Pacific Madrone	8	na	Fair	Low/Moderate	na	heavy lean north, basal cavity
1024	Black Cottonwood	12	na	dead	Moderate/High	Remove	broken @ 40'
1025	Big Leaf Maple	7	s 14	Fair	Low/Moderate	na	assymetric crown to south, somewhat suppressed
1026	Big Leaf Maple	7	s 8	Good	Low	na	good form
1027	Douglas-fir	8	s 7	Good	Low	na	no concerns
1028	Big Leaf Maple	9	s 14	Fair/Good	Low/Moderate	na	minor crook
1029	Black Cottonwood	14	na	Poor	Moderate/High	Remove	broken top, decay column
1030	Western Red Cedar	6	s 6	Good	Low	na	full crown
1031	Big Leaf Maple	6	na	Fair	Low/Moderate	na	forked top
1032	Big Leaf Maple	6	na	Fair	Low	na	fair structure
1033	Black Cottonwood	10	na	Fair/Poor	Moderate/High	Remove	poor taper, problematic
1034	Douglas-fir	6	na	Fair	Low/Moderate	na	suppressed
1035	Black Cottonwood	9	na	dead	High	Remove	decay column
1036	Pacific Madrone	10	na	Fair	Low/Moderate	na	typical form
1037	Douglas-fir	7	s 5	Fair	Low/Moderate	na	base restricted by cottonwood root
1038	Black Cottonwood	18	s 18	Fair	Moderate/High	Remove	problematic in future
1039	Douglas-fir	8	s 6	Fair	Low	na	suppressed by cottonwood
1040	Big Leaf Maple	8	s 16	Fair	Low/Moderate	na	suppressed, decent form
1041	Big Leaf Maple	11	na	Fair	Low/Moderate	na	minor fork, decent struc

Tree/Tag #	Species	DBH	Affected Drip-line	Condition	Failure Risk	Recommendation	Comments
1042	Douglas Fir	13	s 11	Good	Low	na	no concerns
1043	Big Leaf Maple	8	s 15	Fair	Low/Moderate	na	assym crown to south, supp
1044	Douglas-fir	10	s 10	Fair	Low	na	suppressed, deformed top, ok
1045	Douglas-fir	11	s 12	Good	Low	na	no concerns
1046	Douglas-fir	14	s 8	Good	Low	na	no concerns
1047	Big Leaf Maple	6	na	Fair/Good	Moderate	Remvoe	poor taper, decay column
1048	Douglas-fir	6	s 8	Fair/Good	Low	Remove	suppressed, stunted top
1049	Douglas-fir	7	s 8	Fair	Low	na	suppressed by 1050
1050	Pacific Madrone	16	s 18	Fair/Good	Low	na	good form, vigor
1051	Douglas-fir	10	s 11	Fair/Good	Low	na	somewhat suppressed
1052	Big Leaf Maple	7	s 16	Fair	Low/Moderate	na	assymetric crown to south, suppressed
1053	Black Cottonwood	8	na	Fair/Poor	Moderate	Remove	poor taper, problematic
1054	Douglas-fir	7	s 7	Fair/Good	Low	na	suppressed by cottonwood
1055	Black Cottonwood	9	na	Fair/Poor	Moderate	Remove	poor taper, prob
1056	Pacific Madrone	7	na	Fair/Good	Low	na	minor trunk decay
1057	Black Cottonwood	9	na	Fair/Poor	Moderate	Remove	slight lean north, poor taper, problematic
1058	Douglas-fir	9	na	Fair/Good	Low	na	no concerns
1059	Black Cottonwood	7	na	Poor	Moderate/High	Remove	poor taper, decay column, lean
1060	Black Cottonwood	11	na	Fair	Moderate	Remove	poor structure
1061	Big Leaf Maple	6	na	Fair	Low	na	assymetric crown to north, suppressed by cw, on fenceline
1062	Big Leaf Maple	7	na	Fair	Low	na	assymetric crown to north, suppressed by cw, on fenceline
1063	Black Cottonwood	21	na	Fair	Moderate	Remove	problematic in future
1064	Big Leaf Maple	6	na	Fair/Poor	Low/Moderate	Remove	poor struc, suppressed
1065	Big Leaf Maple	9	na	Fair	Low	na	sw suppressed, fair form
1066	Big Leaf Maple	9	na	Fair	Low/Moderate	na	assymetric crown, suppressed
1067	Black Cottonwood	18	na	Fair	Moderate	Remove	problematic
1068	Black Cottonwood	14	s 10	Fair	Moderate	Remove	problematic
1069	Black Cottonwood	9	na	Fair/Poor	Moderate	Remove	poor taper, prob
1070	Pacific Madrone	6	na	Fair	Low/Moderate	na	assym cr, suppressed
1071	Douglas-fir	9	s 10	Good	Low	na	no concerns
1072	Douglas-fir	14	s 14	Good	Low	na	no concerns
1073	Pacific Madrone	18	s 22	Fair/Good	Low	na	slight natural lean south, good form
1074	Douglas-fir	13	s 8	Good	Low	na	no concerns
1075	Pacific Madrone	8	s 12	Fair/Good	Low	na	no concerns
1076	Pacific Madrone	8	s 12	Fair	Low	na	fair structure
1077	Douglas-fir	10	s 12	Fair/Good	Low	na	somewhat suppressed
1078	Black Cottonwood	8	na	Poor	Moderate/High	Remove	trunk rot, lean
1079	Black Cottonwood	17	s 20	Fair	Moderate	Remove	problematic
1080	Douglas-fir	13	s 7	Good	Low	na	slight natural lean north
1081	Big Leaf Maple	10	na	Good	Low	na	no concerns
1082	Black Cottonwood	6	na	Poor	High	Remove	trunk rot, poor taper
1083	Western Red Cedar	6	s 6	Fair/Good	Low	na	overtopped, suppressed
1084	Black Cottonwood	6	na	Poor	High	Remove	trunk rot, poor taper, decline
1085	Douglas-fir	11	na	Good	Low	na	minor sweep
1086	Black Cottonwood	15	na	Fair	Moderate	Remove	forked top, problematic

Tree/Tag #	Species	DBH	Affected		Condition	Failure Risk	Recommendation	Comments
			Drip-line					
1087	Big Leaf Maple	12	s 13		Fair/Good	Low	na	no concerns
1088	Pacific Madrone	10	s 5		Fair	Low	na	typical form
1089	Black Cottonwood	8	na		Poor	Moderate/High	Remove	trunk rot, poor taper, decline
1090	Big Leaf Maple	7	s 14		Fair/Good	Low	na	decent form
1091-148	Black Cottonwood	16	na		Poor	High	Remove	extensive trunk rot
1092	Western Red Cedar	6	s 8		Good	Low	na	suppressed
1093	Western Red Cedar	7	s 7		Good	Low	na	suppressed
1094	Black Cottonwood	11	s 11		Fair	Moderate	Remove	problematic
1095	Douglas-fir	11	s 7		Good	Low	na	no concerns
1096	Big Leaf Maple 2	8,6	na		Fair	Low/Moderate	Remove 6"	fair structure
1097	Big Leaf Maple	6	s 6		Fair	Low/Moderate	na	poor taper
1098	Black Cottonwood	14	na		Poor	Moderate/High	Remove	frost crack, trunk decay, lean
1099	Big Leaf Maple	6	s 5		Fair	Low/Moderate	na	poor taper
1100	Big Leaf Maple 3	7,6,6	s 14		Fair/Poor	Moderate	Remove	tightly spaced forked stems, problematic
1101	Big Leaf Maple 2	9,7	s 14		Fair/Poor	Moderate	Remove	forked at 4', problem as they develop
1102	Big Leaf Maple	8	s 16, e 8		Fair	Low/Moderate	na	assymetric crown to south, fair structure
1103	Douglas-fir	13	s 12, e 10		Fair	Low	na	suppressed, minor crooks
1104	Big Leaf Maple	12	s 16, e 16		Fair	Low	na	suppressed, fork
1105	Big Leaf Maple	8	e 14		Fair	Low	na	natural lean east, suppressed by cottonwood
1106	Black Cottonwood	25	na		Fair	Moderate/High	Remove	problematic
1107	Douglas-fir	9	s 9, e 12		Fair/Good	Low	na	somewhat suppressed by cottonwood
1108	Douglas-fir	9	s 9, e 10		Good	Low	na	no concerns
1109	Black Cottonwood	10	na		dead	High	Remove	35' snag
1110	Big Leaf Maple	10	s 16, e 12		Fair	Low/Moderate	na	somewhat suppressed, ok form
1111	Douglas-fir	9	s 11, e 9		Fair/Good	Low	na	somewhat suppressed
1112	Douglas-fir	9	s 12, e 10		Fair/Good	Low	na	somewhat suppressed
1113-147	Black Cottonwood 2	9,15	na		Poor	High	Remove	14" dead, 9" heavy lean
1114	Pacific Madrone	9	e 20		Fair	Low/Moderate	na	typical form, good vigor
1115	Black Cottonwood	11	na		Fair/Poor	Moderate/High	Remove	heavy lean southwest, poor taper
1116	Douglas Fir	6	na		Fair	Low	Remove ivy	suppressed
1117	Black Cottonwood	12	na		Fair/Poor	Moderate/High	Remove	heavy lean west, problematic
1118	Douglas-fir	7	e 10		Fair/Good	Low	Remove ivy	somewhat suppressed
1119	Black Cottonwood	18	e 16		Fair	Moderate	Remove	problematic
1120	Big Leaf Maple	7	e 10		Fair/Good	Low	na	somewhat suppressed
1121	black Cottonwood	9	na		Fair	Moderate	Remove	problematic
1122	black Cottonwood	9	na		Fair/Poor	Moderate/High	Remove	heavy lean southwest
1123	black Cottonwood	25	na		Fair	Moderate/High	Remove	problematic
1124	Big Leaf Maple	7	na		Fair	Low	na	suppressed, fair structure
1125	Black Cottonwood	13	na		Fair/Poor	Moderate/High	Remove	lean, poor taper
1126	Black Cottonwood	17	na		Fair	Moderate	Remove	problematic
1127	Black Cottonwood	7	na		Fair/Poor	Moderate	Remove	lean, suppressed
1128	Black Cottonwood	7	na		Fair/Poor	Moderate	Remove	lean, decay column
1129	Black Cottonwood	15	na		Fair/Poor	Moderate/High	Remove	bent top, problematic
1130	Black Cottonwood	17	e 24		Fair	Moderate	Remove	problematic
1131	Black Cottonwood	15	e 16		Fair	Moderate	Remove	problematic

Tree/Tag #	Species	DBH	Affected Drip-line	Condition	Failure Risk	Recommendation	Comments
1132~145	Black Cottonwood	10	na	Fair/Poor	Moderate/High	Remove	lean, supp
1133	Black Cottonwood 2	13,12	na	Poor	Moderate/High	Remove	12" dead, lean
1134	Black Cottonwood	10	na	Poor	High	Remove	dead top
1135	Black Cottonwood	11	na	Fair/Poor	Moderate/High	Remove	ivy, heavy lean
1136	Black Cottonwood	17	na	Fair	Moderate	Remove	covered in ivy, problematic
1137	Black Cottonwood	28	na	Fair	Moderate	Remove	covered in ivy, problematic
1138	Black Cottonwood	22	na	Fair	Moderate	Remove	covered in ivy, problematic
1139	Black Cottonwood	10	na	Fair/Poor	Moderate/High	Remove	decay column, poor taper
1140	Black Cottonwood	8	na	Poor	High	Remove	dead broken top, decay column
1141	Black Cottonwood	7	na	Poor	High	Remove	dead broken top, decay column
1142	Big Leaf Maple	12	e 20	Fair/Good	Low/Moderate	na	decent form, suppressed by cottonwood, buried in leaves, sand
1143	Black Cottonwood	27	na	Fair	Moderate	Remove	mature, problematic
1144	Big Leaf Maple 2	10,9	e 16	Fair/Poor	Moderate	Remove	poor basal attachment, weak union
1145	Black Cottonwood	22	e 18	Fair	Moderate	Remove	problematic
1146	Big Leaf Maple	8	e 10	Fair	Low/Moderate	na	ok form
1147	Big Leaf Maple 2	6,4	na	Fair/Poor	Low/Moderate	Remove	problematic
1148	Big Leaf Maple 2	9,7	e 12	Fair	Low/Moderate	Remove 7"	decent form, natural lean
1149	Big Leaf Maple	11	e 16	Fair	Low/Moderate	na	natural lean east
1150	Douglas-fir	6	e 6	Fair/Good	Low	na	somewhat suppressed
1151	Big Leaf Maple 3	7,6,6	na	Fair	Low/Moderate	Remove	suppressing Douglas-fr
1152	Black Cottonwood	25	na	Fair	Moderate	Remove	prob, mature
1153	Black Cottonwood	9	na	Poor	High	Remove	dead top, extensive decay
1154	Black Cottonwood	15	na	Fair	Moderate	Remove	problematic
1155	Black Cottonwood	12	na	Fair	Moderate	Remove	problematic
1156	Black Cottonwood	9	na	Poor	High	Remove	decay column, dead top, lean
1157	Black Cottonwood	16	na	Fair	Moderate	Remove	problematic
1158	Black Cottonwood	16	na	Fair	Moderate	Remove	problematic
1159	Big Leaf Maple	12	s 13	Fair	Low/Moderate	na	old broken top, cavity
1160	Black Cottonwood	20	na	Fair	Moderate	Remove	problematic
1161	Black Cottonwood	23	na	Fair	Moderate	Remove	prob, lean west
1162~127	Black Cottonwood	20	na	Fair	Moderate	Remove	prob, lean west
1163~126	Black Cottonwood	23	na	Fair/Poor	Moderate/High	Remove	lean, broken top
1164	Black Cottonwood	23	na	Fair/Poor	Moderate/High	Remove	covered in ivy, problematic
1165	Black Cottonwood	18	na	Fair/Poor	Moderate/High	Remove	bent top
1166	Black Cottonwood	22	na	Fair	Moderate	Remove	problematic
1167	Black Cottonwood	10	na	Poor	Moderate/High	Remove	dead top, decay column
1168	Black Cottonwood	26	na	Fair	Moderate	Remove	mature, prob
1169	Black Cottonwood	16	na	Fair/Poor	Moderate/High	Remove	decay column, lean east
1170	Douglas-fir	14	e 12	Good	Low	Remove ivy	good taper
1171	Big Leaf Maple	9	e 14	Fair/Good	Low	na	natural lean east
1172	Big Leaf Maple	7	e 10	Fair	Low/Moderate	na	fair taper, suppressed
1173	Big Leaf Maple	9	e 16	Fair	Low/Moderate	na	heavy lean east, suppressed
1174~43	Black Cottonwood	9	na	Fair/Poor	Moderate/High	Remove	heavy lean east, suppressed
1175	Pacific Madrone	8	e 18	Fair	Low/Moderate	na	heavy lean east, suppressed
1176	Douglas-fir	11	e 11	Good	Low	Remove ivy	no concerns

Tree/Tag #	Species	DBH	Affected Drip-line	Condition	Failure Risk	Recommendation	Comments
1177	Big Leaf Maple		7 e 20	Fair	Low/Moderate	na	heavy natural lean east, suppressed
1178-42	Black Cottonwood		9 na	Poor	High	remove	heavy lean, broken top
1179	Big Leaf Maple		8 e 18	Fair/Poor	Moderate	Remove	lean, forked top
1180	Big Leaf Maple		7 e 10	Fair/Good	Low	Remove ivy	fair taper, good crown form
1181	Douglas-fir		7 e 6	Fair	Low	Remove ivy	suppressed
1182	Douglas-fir		6 e 3	Fair	Low	Remove ivy	suppressed
1183	Black Cottonwood		10 na	Fair/Poor	Moderate/High	Remove	lean, bent top
1184	Black Cottonwood		27 na	Fair/Poor	Moderate/High	Remove	mature, several past branch failures
1185	Black Cottonwood		17 na	Fair	Moderate	Remove	problematic
1186	Black Cottonwood		25 na	Fair/Poor	Moderate/High	Remove	covered in ivy, problematic
1187	Black Cottonwood		17 na	Fair	Moderate	Remove	problematic
1188	Black Cottonwood		9 na	Fair/Poor	Moderate/High	Remove	bent, suppressed, decay column
1189	Black Cottonwood		12 na	Fair/Poor	Moderate/High	Remove	bent, suppressed, decay column
1190	Black Cottonwood		17 na	Fair/Poor	Moderate/High	Remove	covered in ivy
1191	Black Cottonwood		24 na	Fair/Poor	Moderate/High	Remove	slight lean west, covered in ivy
1192	Black Cottonwood 2	21,20	na	Fair/Poor	Moderate/High	Remove	forked at root crown, included bark
1193-25	Black Cottonwood		22 na	Fair/Poor	High	Remove	heavy lean west
1194	Black Cottonwood		19 na	Fair	Moderate	Remove	problematic
1195	Black Cottonwood		26 na	Fair	Moderate/High	Remove	leaning top, problematic
1196	Black Cottonwood		31 na	Fair	Moderate/High	Remove	problematic
1197	Black Cottonwood		17 na	Fair	Moderate	Remove	problematic
1198	Black Cottonwood		23 na	Fair/Poor	Moderate/High	Remove	fork, lean
1199-122	Black Cottonwood		14 na	Fair/Poor	High	Remove	basal decay, lean
1200-124	Black Cottonwood		20 na	Fair/Poor	Moderate/High	Remove	heavy lean
1201	Black Cottonwood		18 na	Fair	Moderate	Remove	problematic
1202-123	Black Cottonwood		15 na	Fair	Moderate/High	Remove	problematic
1203	Black Cottonwood		18 na	Fair	Moderate	Remove	problematic
1204	Big Leaf Maple		12 e 13	Fair	Low/Moderate	na	fork, sound attachment
1205	Black Cottonwood		15 na	dead	High	Remove	recent dead, broken at 60'
1206-139	Black Cottonwood		18 na	dead	Moderate	Remove	20' snag
1207	Big Leaf Maple		10 e 8	Good	Low	na	good form
1208	Black Cottonwood		30 na	Fair	Moderate	Remove	problematic
1209-137	Black Cottonwood		19 na	Poor	High	Remove	heavy lean southeast, partial root plate failure
1210-138	Black Cottonwood		10 na	Poor	High	Remove	heavy lean east
1211	Douglas-fir		8 e 6	Good	Low	na	no concerns
1212	Douglas-fir		6 e 3	Fair	Low	na	suppressed
1213	Douglas-fir		9 e 12	Good	Low	na	natural lean east
1214	Douglas-fir		11 e 10	Good	Low	na	no concerns
1215	Big Leaf Maple		13 e 20	Fair	Low/Moderate	na	natural lean east
1216	Big Leaf Maple		8 e 5	Fair/Good	Low	na	good form, supp
1217	Big Leaf Maple		12 e 18	Fair/Poor	Moderate	Remove	forked top, codom, prob
1218	Big Leaf Maple		8 e 10	Fair/Poor	Moderate	Remove	forked top, codom, prob
1219	Douglas-fir		9 e 9	Fair	Low	na	suppressed
1220	Pacific Madrone	11,5	e 22	Fair	Low/Moderate	end-weight removal	heavy lean east
1221	Pacific Madrone		12 e 20	Fair	Low/Moderate	end-weight removal	heavy lean east

Tree/Tag #	Species	DBH	Affected Drip-line	Condition	Failure Risk	Recommendation	Comments
1222	Black Cottonwood	11	na	dead	High	Remove	40' snag, lean to road
1223	Big Leaf Maple	7	e 8	Fair/Good	Low	na	fair taper
1224	Douglas-fir	12	e 12	Good	Low	na	slight natural lean east
1225	Pacific Madrone 2	11,11	e 22	Fair/Good	Low/Moderate	na	typical form
1226	Big Leaf Maple	9	e 18	Fair	Moderate	na	poor form, suppressed
1227	Big Leaf Maple 2	8,6	e 18	Fair/Poor	Moderate	Rmove	heavy leans, suppressed
1228	Douglas-fir	6	e 7	Fair/Good	Low	Remove ivy	suppressed
1229	Big Leaf Maple	10	e 17	Fair/Poor	Moderate/High	Remove	forked top, codom, leans
1230~135	Black Cottonwood 3	15,18,13	na	Fair/Poor	Moderate/High	Remove	forked at base, weak unions
1231	Pacific Madrone 3	7,7,5	e 10	Poor	Low	Remove	all topped in past
1232	Pacific Madrone	9	e 9	Fair/Good	Low	Remove ivy	suppressed
1233	Pacific Madrone	7	e 12	Fair	Low	na	typical form
1234~136	Black Cottonwood	24	na	Fair/Poor	Moderate/High	Remove	lean to road
1235	Black Cottonwood	26	na	Fair	Moderate	Remove	problematic
1236	Black Cottonwood	17	na	Fair	Moderate	Remove	problematic
1237	Black Cottonwood	23	na	Fair/Poor	Moderate/High	Remove	lean
1238	Black Cottonwood	11	na	Fair/Poor	Moderate/High	Remove	decay column, suppressed
1239	Black Cottonwood	16	na	Fair	Moderate	Remove	problematic
1240	Black Cottonwood	31	na	Fair	Moderate	Remove	problematic
1241	Black Cottonwood	11	na	Poor	High	Remove	suppressed, dead top
1242	Black Cottonwood	11	na	Fair/Poor	Moderate/High	Remove	suppressed, lean
1243	Black Cottonwood	18	na	Fair	Moderate	Remove	problematic
1244	Black Cottonwood	11	na	Fair/Poor	Moderate/High	Remove	suppressed, lean west
1245	Black Cottonwood	17	na	Fair	Moderate	Remove	problematic
1246	Big Leaf Maple	8	na	Fair/Good	Low	na	fair taper
1247	Black Cottonwood	15	na	Fair/Poor	Moderate/High	Remove	lean, poor taper
1248	Black Cottonwood	15	na	Fair/Poor	Moderate/High	Remove	lean, poor taper, covered in ivy
1249	Black Cottonwood	20	na	Fair	Moderate	Remove	problematic
1250~121	Black Cottonwood	10	na	Poor	High	Remove	lean, dead top
1251	Black Cottonwood	32	na	Fair/Poor	Moderate/High	Remove	lean
1252~120	Black Cottonwood	9	na	dead	High	Remove	older dead, hungup
1253	Black Cottonwood	21	na	Fair	Moderate	Remove	problematic
1254	Black Cottonwood	17	na	Fair	Moderate	Remove	problematic
1255	Black Cottonwood	16	na	Fair	Moderate	Remove	problematic
1256	Black Cottonwood	21	na	Fair	Moderate	Remove	problematic
1257~119	Black Cottonwood	10	na	Fair/Poor	Moderate/High	Remove	lean west, suppressed, decay column
1258~118	Black Cottonwood	12	na	Fair/Poor	Moderate/High	Remove	lean west, suppressed, decay column
1259	Black Cottonwood	10	na	Fair/Poor	Moderate/High	Remove	lean west, suppressed, decay column
1260	Black Cottonwood	20	na	Fair	Moderate	Remove	problematic
1261~116	Black Cottonwood	17	na	Fair/Poor	Moderate/High	Remove	lean to road
1262	Black Cottonwood	18	na	Fair/Poor	Moderate/High	Remove	lean west, covered in ivy
1263	Black Cottonwood	26	na	Fair	Moderate	Remove	ivy, problematic
1264	Big Leaf Maple	6	na	Fair	Low	na	broken top, fair taper
1265	Big Leaf Maple	7	na	Fair/Good	Low	na	fair taper
1266	Black Cottonwood	15	na	Fair	Moderate	Remove	ivy problematic

Tree/Tag #	Species	DBH	Affected Drip-line	Condition	Failure Risk	Recommendation	Comments	
1267	Black Cottonwood		15	na	Fair	Moderate	Remove	ivy problematic
1268-133	Black Cottonwood		10	na	Fair/Poor	Moderate/High	Remove	lean, decay column
1269-134	Black Cottonwood		11	na	Fair/Poor	Moderate/High	Remove	lean, decay column
1270	Big Leaf Maple		10	e 16	Fair	Low/Moderate	na	natural lean east
1271	Pacific Madrone 2	12,7		e 20	Fair	Low/Moderate	na	typical form
1272	Pacific Madrone 2	7,5		e 16	Fair	Moderate	Remove 5" dead	typical form
1273	Big Leaf Maple 2	7,5		e 14	Fair/Poor	Moderate	Remove	fork at 1', weak attachment
1274	Big Leaf Maple		9	e 16	Fair	Low/Moderate	na	natural lean east, suppressed
1275-132	Black Cottonwood 2	21,23,15		na	Poor	Moderate/High	Remove	forked at base, weak attachment
1276	Douglas-fir		8	e 7	Fair/Good	Low	na	suppressed
1277	Big Leaf Maple		6	e 15	Fair	Low/Moderate	na	natural lean east
1278	Douglas-fir		10	e 6	Fair/Good	Low	na	somewhat suppressed
1279	Big Leaf Maple 2	7,6		e 12	Fair	Moderate	Remove 6" stem	slight natural lean
1280	Big Leaf Maple		13	e 26	Fair/Good	Low/Moderate	ew	slight natural lean
1281-131	Black Cottonwood		10	na	Poor	High	Remove	dead top, lean to road
1282	Black Cottonwood		17	na	Fair/Poor	Moderate/High	Remove	lean to road
1283	Douglas-fir		8	na	Fair/Good	Low	na	somewhat suppressed
1284	Black Cottonwood		25	na	Fair	Moderate	Remove	problematic
1285-115	Black Cottonwood		10	na	Poor	High	Remove	lean, decay column
1286	Black Cottonwood		14	na	Fair/Poor	Moderate/High	Remove	lean, suppressed
1287	Black Cottonwood		21	na	Fair	Moderate	Remove	slight lean, problematic
1288	Black Cottonwood		15	na	Fair/Poor	Moderate/High	Remove	heavy lean northeast
1289	Black Cottonwood		29	na	Fair	Moderate	Remove	problematic
1290	Black Cottonwood		17	na	Fair/Poor	Moderate/High	Remove	lean, suppressed
1291	Black Cottonwood		7	na	Fair/Poor	Moderate/High	Remove	lean, decay, suppressed
1292	Black Cottonwood		23	na	Fair	Moderate	Remove	problematic
1293	Black Cottonwood		15	na	Fair	Moderate	Remove	problematic
1294	Black Cottonwood		28	na	Fair	Moderate	Remove	problematic
1295	Black Cottonwood		13	na	Fair/Poor	Moderate/High	Remove	heavy lean
1296	Black Cottonwood		14	na	Fair/Poor	Moderate/High	Remove	heavy lean
1297	Black Cottonwood		10	na	dead	High	Remove	older dead
1298	Black Cottonwood		17	na	Fair/Poor	Moderate/High	Remove	heavy lean
1299-112	Black Cottonwood		10	na	Fair/Poor	Moderate/High	Remove	lean, bent top
1300	Black Cottonwood		26	na	Fair	Moderate	Remove	problematic
1301	Black Cottonwood		15	na	Fair	Moderate	Remove	problematic
1302	Black Cottonwood		9	na	Fair/Poor	Moderate/High	Remove	suppressed, decay column
1303	Black Cottonwood		26	na	Fair	Moderate	Remove	problematic
1304	Black Cottonwood		12	na	Fair/Poor	Moderate/High	Remove	lean, bent top, suppressed
1305	Black Cottonwood		18	na	Fair/Poor	Moderate/High	Remove	lean, bent top, suppressed
1306	Black Cottonwood		10	na	Fair/Poor	Moderate/High	Remove	suppressed
1307	Black Cottonwood		29	na	Fair	Moderate	Remove	problematic
1308-111	Black Cottonwood		15	na	Poor	High	Remove	heavy lean
1309-110	Black Cottonwood		14	na	Fair/Poor	Moderate/High	Remove	lean
1310	Black Cottonwood		29	na	Fair	Moderate	Remove	problematic
1311	Black Cottonwood		22	na	Fair	Moderate	Remove	problematic

Tree/Tag #	Species	DBH	Affected Drip-line	Condition	Failure Risk	Recommendation	Comments
1312	Black Cottonwood	13	na	Fair/Poor	Moderate/High	Remove	lean
1313	Black Cottonwood	18	na	Fair	Moderate	Remove	problematic
1314	Black Cottonwood	9	na	Fair/Poor	Moderate/High	Remove	decay column
1315	Bitter Cherry	6	na	Poor	Moderate	Remove	extensive trunk rot
1316~109	Black Cottonwood	15	na	Fair/Poor	Moderate/High	Remove	heavy lean
1317	Black Cottonwood	12	na	Fair/Poor	Moderate/High	Remove	heavy lean
1318	Black Cottonwood	11	na	Fair/Poor	Moderate/High	Remove	suppressed, decay column
1319	Black Cottonwood	19	na	Fair	Moderate	Remove	problematic
1320	Black Cottonwood	11	na	Fair/Poor	Moderate/High	Remove	suppressed, decay column
1321	Black Cottonwood	17	na	Fair	Moderate	Remove	problematic
1322	Big Leaf Maple	6	e 5	Fair	Low	na	suppressed
1323	Big Leaf Maple 4	9~11	e 22	Fair/Poor	Moderate/High	Remove	tightly spaced clump, stems weakly attached, problematic
1324	Big Leaf Maple	6	e 15	Fair	Moderate	na	lean east, suppressed
1325	Douglas-fir	11	e 9	Fair/Good	Low	na	suppressed by cw
1326	Western Red Cedar	6	e 5	Fair	Low	na	suppressed by cw
1327	Black Cottonwood	12	na	Poor	Moderate/High	Remove	dead, broken top, decay column
1328	Black Cottonwood	18	e 13	Fair	Moderate	Remove	problematic
1329	Big Leaf Maple	8	e 20	Fair	Low/Moderate	na	heavy natural lean east, suppressed
1330~104	Black Cottonwood	16	na	Fair/Poor	Moderate/High	Remove	heavy top lean to road
1331~103	Black Cottonwood	13	na	Poor	High	Remove	same but worse
1332	Pacific Madrone	6	na	Fair	Low/Moderate	na	lean, basal cavity
1333	Black Cottonwood	21	na	Fair	Moderate	Remove	slight lean to road, problematic
1334	Douglas-fir	9	e 14	Fair	Low	na	suppressed by cottonwood, deformed top
1335	Pacific Madrone	7	e 4	Good	Low	na	no concerns
1336~102	Black Cottonwood	14	na	Fair/Poor	Moderate	Remove	heavy lean to road
1337	Pacific Madrone	10	e 30	Fair	Low/Moderate	na	heavy lean over road
1338	Big Leaf Maple	10	e 15	Fair/Good	Low	na	forked top, sound attachment, good form
1339	Pacific Madrone	9	e 26	Fair	Moderate	ew	lean over road, basal cavity
1340	Big Leaf Maple	6	e 8	Fair	Low	na	fair taper
1341	Pacific Madrone	9	e 22	Fair	Low/Moderate	na	lean over road, previous stem failure
1342	Pacific Madrone	7	e 0	Good	Low	na	no concerns
1343	Big Leaf Maple	8	na	Poor	Low	Remove	broken at 10', sprouts
1344	Pacific Madrone	7	e 7	Fair	Low	na	basal decay, ok to retain
1345	Big Leaf Maple	8	e 12	Fair	Low	na	suppressed, stunted top
1346	Big Leaf Maple	7	e 12	Fair/Good	Low	na	suppressed, stunted top
1347	Black Cottonwood	17	na	Fair	Moderate	Remove	problematic
1348~101	Black Cottonwood	12	na	Fair/Poor	Moderate/High	Remove	heavy lean over road
1349~105	Black Cottonwood	12	na	Fair/Poor	Moderate/High	Remove	top lean over road
1340	Big Leaf Maple 2	14,14	e 28	Fair	Moderate	na	porr basal attachment, compact crowns, ok
1341	Pacific Madrone	6	e 2	Fair/Good	Low	na	suppressed, good form
1342	Black Cottonwood	13	na	Fair	Moderate	Remove	problematic
1343	Big Leaf Maple 2	7,7	na	Poor	Moderate/High	Remove	diseased, <i>Xyllella</i> , dead cambium
1344	Douglas-fir	14	e 17	Good	Low	na	supp by cottonwood
1345~106	Black Cottonwood	14	na	Poor	Moderate/High	Remove	top lean over road, previous failure
1346	Douglas-fir	9	e 10	Fair/Good	Low	na	suppressed

Tree/Tag #	Species	DBH	Affected Drip-line	Condition	Failure Risk	Recommendation	Comments
1347~107	Black Cottonwood	35	na	Fair	Moderate/High	Remove	problematic
1348	Big Leaf Maple	9	e 10	Fair/Good	Low	na	slight natural lean east
1349	Black Cottonwood	19	na	Fair	Moderate	Remove	problematic
1350	Black Cottonwood	16	na	Fair	Moderate	Remove	problematic
1351	Black Cottonwood	8	na	90% dead	High	Remove	lean
1352	Black Cottonwood	19	na	Fair	Moderate	Remove	problematic
1353	Black Cottonwood	15	na	Fair	Moderate	Remove	problematic
1354	Black Cottonwood	18	na	Fair	Moderate	Remove	problematic
1355	Black Cottonwood	19	na	Fair/Poor	Moderate	Remove	broken top
1356	Black Cottonwood	10	na	Fair/Poor	Moderate/High	Remove	lean, suppressed
1357	Black Cottonwood	29	na	Fair	Moderate	Remove	problematic
1358	Black Cottonwood	14	na	Fair/Poor	Moderate/High	Remove	covered in ivy, lean
1359	Black Cottonwood	10	na	Poor	High	Remove	extensive decay column
1360	Black Cottonwood	9	na	Fair/Poor	Moderate/High	Remove	decay column, lean
1361	Black Cottonwood	11	na	Fair	Moderate	Remove	bent top, prob
1362	Black Cottonwood	11	na	Fair/Poor	Moderate/High	Remove	lean, suppressed
1363	Black Cottonwood	16	na	Fair	Moderate	Remove	problematic
1364~108	Black Cottonwood	9	na	Fair/Poor	Moderate/High	Remove	lean, suppressed
1365	Black Cottonwood	17	na	Fair	Moderate	Remove	problematic, bent top
1366	Black Cottonwood	20	na	Fair	Moderate	Remove	problematic
1367	Black Cottonwood	22	na	Fair	Moderate	Remove	problematic
1368	Black Cottonwood	23	na	Fair	Moderate	Remove	problematic
1369	Black Cottonwood	22	n 30	Fair/Poor	Moderate/High	Remove	leans to ball field
1370	Black Cottonwood	11	n 25	Fair/Poor	Moderate/High	Remove	leans to ball field, suppressed
1371	Black Cottonwood	17	n 30	Fair/Poor	Moderate/High	Remove	heavy lean to ball field

