

ARBORIST REPORT

TREE HAZARD EVALUATION

Name Holy Family Parish ⁴²⁵ Phone # 822-0295

Site/Address 7300 120 Ave NE

Date 4/29/08 Date of Inspection 4/29/08

Inspector: **E. John Deutsch**
810 19 Lane West
425 802 3698

ISA Certified Arborist # MW 3994
Kirkland, WA 98033
Email: john@arbormastertreecare.com

TREE CHARACTERISTICS

Tree # 2 Species Wrest. Red Cedar

DBH (dia.) 16, 13, 14 in # of trunks 3 Height 60 ft Spread 30 ft

Form: symmetric minor asymmetry major asymmetry

Crown class: dominant co-dominant **Live crown** _____ %

Age class young mature over-mature

Pruning history topped crown raised crown reduced/thinned
pollarded cabled/braced none

Special value specimen heritage/historic wildlife street tree
shade indigenous none

Other _____

TREE HEALTH

Foliage color: normal abnormal **Epicormic** Y N

Growth Obstructions stakes wires signs cables curb/pavement guards

Other Building

Foliage density: normal sparse **Leaf size:** normal small

Annual shoot growth: excellent average poor

Vigor class: excellent average poor

Major pests/diseases No

SITE CONDITIONS

church

Site character: residence commercial industrial woodland park

Landscape type: lawn raised bed container mound wind break

Irrigation: adequate inadequate excessive **Drip line:** 20 % paved

Recent site disturbance: Y N construction soil disturbance grade change

line clearing site clearing Other _____

Soil problems: drainage shallow compacted clay small volume

Other None

Obstructions: lights signage line of sight view traffic

overhead lines adjacent vegetation underground utilities

Other Masonry Building some damage noted @ foundation

Exposure to wind: single tree recently exposed area prone to windthrow

Prevailing wind direction _____

TARGET

Use under tree: building parking traffic pedestrian recreation landscape

utility lines Other: sidewalk

Can target be moved? Y N Can use be restricted? Y N

Occupancy? occasional use frequent use constant use

TREE DEFECTS

ROOT DEFECTS Suspect root rot? Y N Mushroom/conk/bracket present: N Y

Exposed roots: severe moderate low Buttress wounded Y N

Root pruned: 0 distance from trunk Root area affected _____ %

Restricted root area: severe moderate low

Potential for root failure: severe moderate low

LEAN 0 ° deg. from vertical natural unnatural self-corrected

Decay in plane of tree: Y N Roots broken: Y N Soil cracking Y N

Soil heaving: Y N Lean severity: severe moderate low

CROWN DEFECTS (Severe, Moderate, Low)

Details

DEFECT	TRUNK, BRANCHES
Poor taper	
Bow, sweep	
Co-dominant <i>trunks</i>	<i>Severe</i>
Multiple attachments	
Included bark	<i>Severe</i>
Excessive end weight	
Cracks, splits	
Hangers	
Girdling	
Wounds, seam	
Decay/Cavity	
Conks, mushrooms, bracket	
Bleeding, sap flow	
Loose or cracked bark	
Nesting hole, bee hive	
Deadwood, stubs	
Borers, termites, ants	
Cankers, galls, burls	
Previous failure	

HAZARD RATING *Splitting at codom. forks*

Tree part most likely to fail: _____

Failure Potential: 1 - low 2 - medium 3 - high 4 - severe

Size of Part: 1 - < 6" 2 - 6 - 15 in 3 - 15 - 30 in 4 - > 30 in

Target Rating: 1 - low 2 - medium 3 - high 4 - severe
occasional use intermittent use frequent use constant use

Hazard Rating: Failure Potential *2* Size of part *3* Target *4* = *9* / 12

HAZARD ABATEMENT

Prune: remove defective part reduce end weight crown clean thin
 raise canopy crown reduce restructure shape

Cable/Brace No

Inspect further No

Remove tree: Yes No Replace tree Y N Move target Y N

Effect on adjacent trees None

Notification: owner manager governing agency Date _____

COMMENTS / SITE MAP

This tree is located far too close to the building. (The trunk is only 8 inches from the upper part of the building) - very poorly situated tree.

E. John Deutsch E J Deutsch Date 4/29/08

Tree # 1 Species West. Red Cedar

DBH (dia.) 16 in # of trunks 2 Height 40 ft. Spread 20 ft.

Form: 7 minor asymmetry major asymmetry co-dominant **Epicormic** Y N

Live crown 95 % Age class young mature over-mature

Pruning history topped crown cleaned crown reduced crown raised

Growth Obstructions stakes wires signs cables curb/pavement guards → Building

Foliage density: normal sparse Leaf size: normal small

Vigor class: excellent average poor Major pests/diseases none

Drip line: 70 % paved Exposure to wind: single tree area prone to windthrow

Soil problems: drainage shallow compacted small volume

Use under tree: building parking traffic pedestrian recreation landscape
 utility lines Can target be moved? Y N Can use be restricted? Y N

Occupancy? occasional use intermittent use frequent use constant use

ROOT DEFECTS Suspect root rot? Y N Exposed roots: severe moderate low Buttress wounded Y N Root pruned: 0 distance from trunk

Restricted root area: severe moderate low Potential for root failure: severe moderate low

LEAN 0 ° deg. from vertical natural unnatural self-corrected

Decay in plane of tree: Y N Roots broken: Y N Soil cracking Y N

Soil heaving: Y N Lean severity: severe moderate low

CROWN DEFECTS (S = severe, M = moderate, L = low)

Poor taper	Co-dominant <u>severe</u>	Multiple attachments <u>severe</u>
Included bark	Excessive end weight	Cracks, splits
Decay/Cavity	Loose or cracked bark	Previous failure
Borers, termites, ants	Deadwood, stubs	Wounds, seam

HAZARD RATING Tree part most likely to fail: split at rodow. forks

Failure Potential: 1 - low 2 - medium 3 - high 4 - severe

Size of Part: 1 - < 6" 2 - 6 - 15 in 3 - 15 - 30 in 4 - > 30 in

Target Rating: 1 - low 2 - medium 3 - high 4 - severe
occasional use intermittent use frequent use constant use

■ Hazard Rating: Failure Potential 2 Size of part 3 Target 4 = 9 / 12

HAZARD ABATEMENT Remove tree: Yes No

Tree is located too close to building

Arborist Report

Name Holy Family Parish c/o Steve Carbonetti
 Site/Address 7300 120 Ave NE, Kirkland, WA 98033
 Tel 425-822-0295 Steve: 425-890-4087
 Date Apr. 29, 2008

Inspector: E. John Deutsch ISA Certified Arborist # PN 3994A
 810 19th Lane West Kirkland, WA 98033
 Tel: 425-739-6730 Cell: 425-802-3698 Fax 866-241-5232
 Email: john@arbormastertreecare.com
 Web site: www.arbormastertreecare.com

SUMMARY:
 Number of Significant trees as per City of Kirkland standards located on the above property: 43
 Number of "Viable" significant trees: 41
 Total City of Kirkland tree credits of "Viable" significant trees: #1 to #43 122

Photos	A and B	Tree #1	F and G	Tree #2
H and J		Trees #3 to #13 inclusive		Trees #14 to 25 inclusive
D		Trees #26 to 30	C and E	
I		Trees on west property line, not plotted on site map		

TREE INVENTORY

- A) Tree #
- B) Species
- C) DBH: trunk diameter (in inches) at 4.5 ft from ground level
- D) Height: in feet
- E) Width of entire canopy
- F) Dripline of tree in feet, radius, extending from trunk
- G) Limits of Disturbance: Distance recommended for TREE FENCE LOCATION
- H) LCR% Estimated percentage of live crown
- I) Crown Class: Dominant, Co-dominant, Intermediate, Suppressed
- J) Structure Form: Sym. Symmetrical, Minor asymmetry, Major asymmetry
- K) Trunk: Condition and/or Lean, Straight, Bowed, Serpentine
- L) Root system
- M) Health: overall health of the tree
- N) Viability: Viability for retention, recommendation
- O) Tree Density Credits based on trunk DBH

(All measurements are in feet, except for Item C: DBH, which is in inches)

A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
Tree #	Species	DBH	Height	Width	Dripline	Lim Dist	LCR %	CroClas	Struc & Form	Tru	Root syst	Overall	Via-ble	Tree Cre-dit
1	West Red Cedar	16" 7"	40	20			>95%	Dom.	Major Assym	Fair	Fair	Fair	NO	4
PHOTO A and B, Two trunk cedar														
2	West red Cedar	16" 13" 14"	60	30			>95%	Dom.	Major Assym	Fair	Fair	Fair	NO	4
PHOTO F and G, Three trunk cedar Base of trunk is only 18 inches from building, and trunk is only approx. 8 inches from the top of the building.														
3		18												5
4		20												6
5		20												6
6		20												6
7		24												8
8		16												4

