

File No.: 04-1000-20-2021-383

November 17, 2021

s.22(1)

Dear s.22(1)

Re: **Request for Access to Records under the Freedom of Information and Protection of Privacy Act (the "Act")**

I am responding to your request of July 21, 2021 for:

Arborist report for the Champlain Heights Trail Tree Assessment - Hazardous Trees on Strata Property. Trees with civic address 3403 Lynmoor Place. Date Range: March 2021.

All responsive records are attached.

Under section 52 of the Act, and within 30 business days of receipt of this letter, you may ask the Information & Privacy Commissioner to review any matter related to the City's response to your FOI request by writing to: Office of the Information & Privacy Commissioner, info@oipc.bc.ca or by phoning 250-387-5629.

If you request a review, please provide the Commissioner's office with: 1) the request number (#04-1000-20-2021-383); 2) a copy of this letter; 3) a copy of your original request; and 4) detailed reasons why you are seeking the review.

Yours truly,

[Signature on file]

Barbara J. Van Fraassen, BA
Director, Access to Information & Privacy

Barbara.vanfraassen@vancouver.ca
453 W. 12th Avenue Vancouver BC V5Y 1V4

*If you have any questions, please email us at foi@vancouver.ca and we will respond to you as soon as possible. Or you can call the FOI Case Manager at 604.871.6584.

Encl.

:kt

March 10, 2021

RE: Arborist Report for City of Vancouver Street Activities Department - For property located at Champlain Heights Trails Vancouver, BC

C/o: Ben Mulhall
Phone: 604 – 404 - 6586
Email: ben.mulhall@vancouver.ca

Due to concerns regarding the condition of trees within the Champlain Heights Trails network an assessment was requested. A start-up site meeting was conducted on December 22, 2020, and Parks Board Staff were present; the scope of the assessment was discussed, and their input and direction was provided. These trails were inspected on January 7, 8 and 13, 2021. One hundred and sixty-two trees were assessed; they have been numbered 1 - 162 for the purpose of this report. Forty-one photographs, and a copy of the Champlain Heights Trail map have been included as part of this report. An aerial images have been copied and included from Vanmap to identify the areas that were assessed, and the approximate locations of the trees. City property lines for the trail system is not defined on-site; therefore, in some instances tree ownership will need to be verified by the City.

It was requested that the trees not have numbered tags attached to them; therefore, the trees within this assessment have been identified in the field with pink construction/marketing paint, and in most instances the marks have been placed on the side of the tree that is not visible from the path. Approximate tree locations have been identified in the attached not-to-scale map; however, their locations and points of commencement have been identified in the tree table. Since the distances between the sidewalks at the trail heads is vast, the lamp standards were used as points of commencement instead, as recommended by Parks Board staff; this provides greater accuracy and ability to locate the trees in the field.

The Champlain Heights Trails system is heavily treed, and the canopy cover is rather dense. Most of the trees consist of Alder and Big Leaf Maple, which take on the typical characteristic of those in a naturalized setting (tall, spindly, very narrow canopy spread, lacking adequate trunk taper and basal flare, and phototropic lean). Alders and Big Leaf Maples are known as the 'pioneer' species of tree; they are typically the first species of trees to re-establish in disturbed areas; they grow and decline quickly, and they produce lots of leaves which decay rapidly to provide a rich new soil layer. New trees will re-generate from remnant stumps in the form of suckering growth.

The failure rating (full or partial) of the Alders and Big Leaf Maples identified in this assessment is considered high, because it was found that both of these species within this trail network are exhibiting significant dieback and have large deadwood throughout their canopies. Both species do not compartmentalize well; significant decay in old wounds is not uncommon, which causes these areas to be considerably weaker, putting them at risk of failure. Canker and fungal fruiting bodies were also observed, which compromises the structural integrity, also putting them at risk of failure. In a naturalized or forested setting, it is impractical to prescribe pruning mitigation for these types of trees since it is a short-term solution for trees that are already in a state of decline; therefore, it is recommended that these trees be removed to eliminate any risk or damage to private property, and any risk to the public using the trail network. The fixed targets throughout and adjacent to the trails consist of fencing on private property, residential buildings, walkways, and City sidewalks; all of which may be frequently occupied. Moving targets include pedestrians, dogs on leash, cyclists, and vehicles (parked or in transit). The breakdown of the risk rating for the Alders and Big Leaf Maples identified within this assessment is as follows: **Likelihood of Failure = Probable. Likelihood of Impacting Target = High. Likelihood of Failure & Impact = Likely. Consequences of Failure = Significant. Overall Risk Rating = High.**

Several Western Red Cedar trees (*Thuja plicata* sp.) throughout the trail network were found to be in various stages of decline. The dieback commences at the top of the canopy, and the lower portions are sparse; this is a typical symptom of drought stress, and again, in a forested environment mitigation is not feasible. As discussed, and determined on December 22, 2021, these trees would be excluded from the assessment unless any were determined to be high risk. All of these trees will need to be re-assessed in 3 – 5 years for degrading structural integrity.

Approach, timeline and phasing for tree removals and other risk mitigation work: The information contained in the table portion of this report provides some specific details about the individual trees, including the recommendation for each tree and the level of priority for action. Priority 1, REMOVE are trees that must be dealt within three to six months. Priority 2, MONITOR are trees that will need to be reassessed in 1 to 2 years and Priority 3, MONITOR are trees that should be reassessed in 2-3 years; however, Priority 2 or 3 should be reassessed sooner if significant changes are observed, or after a major wind event or storm. Tree removals/work should be performed in a phased approach to reduce the length of time that any one area is closed.

Proposed work plan for risk mitigation: The Champlain Heights trail network is busy, frequently used and occupied; for this reason, it is recommended that the adjacent residents be 'letter dropped' one to two months in advance advising of the work and the temporary trail closures. It will be difficult and not practical to attempt closing the entire trail network to complete the required work; therefore, the trail system has been broken down into 'Phases'. One week prior to the commencement of the actual work, the trail network should have signage posted at all trail heads and throughout the trail network advising of the work, outlining the work phase areas, and advising of complete closure of portions of trail, so that the trail users can plan alternate routes. When work commences

large closure signage to be used on the trail, cones and/or delineators and/or barricades and flagging tape to also be used to identify that the portion of the trail is closed. Crews will need to be prepared to redirect pedestrian traffic. NOTE: Prior to any tree removals during March 15 – August 15, a bird nesting survey must be conducted to avoid contravention of the Wildlife Act; this must be performed by a Registered Professional Biologist.

Larger wood to be left on the forest floor, away from any fencing, away from the edge of the formal trails, and it should also not impede unofficial trails. Brush is to be chipped back into the tree line, and chipped brush to be spread to a maximum of 6 inches and try to be clear of the trunks of remaining trees.

Equipment and expertise required to perform the proposed work: All work to be completed by a Certified Arborist, or by an Arborist-in-training under the direct supervision of a Certified Arborist. In most instances the trail network appears to be able to accommodate a bucket truck, and/or a chip truck and brush chipper. Chainsaws, pole saws, pole pruners, handsaws, climbing and rigging equipment to be used, and any other equipment deemed necessary. Personal Protective Equipment (PPE) must be used at all times; hard hats, hearing protection, eye protection, gloves, chainsaw pants, safety boots.

All tree work is to be conducted and performed according to the industry standard safety protocols and guidelines (ANSI Z133-2017) and must also comply to Worksafe BC requirements and guidelines. In summary, the Z133 Safety Standard addresses the following items, some of which may not be applicable to the proposed work:

General Safety: Traffic Control, Emergency Procedures and Readiness, Personal Protection Equipment (PPE) and Fire Protection.

Electrical Hazards: Working in Proximity to Electrical Hazards, Storm Work and Emergency Conditions, and Line Clearance.

Safe Use of Vehicles and Mobile Equipment: Aerial Devices, Brush Chippers, Sprayers and Related Equipment, Stump Cutters, Vehicles, Cranes and Knucklebooms, Specialized Units, and Equipment-Mounted Winches

Portable Power Hand Tools: Portable Electric Power Tools, Chain Saws, Powered Pole Tools and Backpack Power Units

Hand Tools and Ladders: Cant Hooks, Cant Dogs, Peaveys, and Tongs. Wedges, Chisels, and Gouges. Chopping Tools and Ladders

General Work Procedures: Ropes and Arborist Climbing Equipment, Pruning and Trimming, Cabling, Rigging, Tree Removal, Brush Removal and Chipping, Limbing and Bucking, Pesticide Application, Mixing Pesticides, High-Pressure Air-Excavation Equipment, Fertilization & Soil Management

Arborists adhering to the ANSI A300 pruning standard will not:

- leave branch stubs
- make unnecessary heading cuts
- cut off the branch collar (not make a flush cut)
- top or lion's tail trees (stripping a branch from the inside leaving foliage just at the ends)
- remove more than 25% of the foliage of a single branch
- remove more than 25% of the total tree foliage in a single year
- damage other parts of the tree during pruning
- use wound paint
- prune without a good reason
- climb the tree with climbing spikes

Limitations: This report is based on a visual assessment from the ground only. No core or tissue samples were taken; no root crown excavations were performed. This report provides no undertakings regarding the future condition or behaviour of the trees reviewed in it. Tree hazards and conditions do change over time, and the evaluation period for this report is valid for the day on which it was performed only. Recommendations are to serve only as a guideline for the care, retention, and protection of the tree(s), and are made according to commonly accepted arboricultural practices, and do not guarantee the survival and/or safety of the specimen(s). No responsibility is assumed for any legal matters as a result of this report. The consultant shall not be required to give testimony or attend court by any reason of this report unless subsequent contractual arrangements are made, including payment of additional fees for such services. Loss or alteration of any part of this report invalidates the entire report. Possession of this report or a copy thereof does not imply right of publication or use for any purpose by any other than the person to whom it is addressed, without verbal or written consent of the consultant. No part of this report shall be conveyed by anyone to the public by any means without prior written consent of the consultant.

Yours truly,



Laura Leigh – sent electronically
Consulting Arborist
ISA Certified Arborist #PN-7219A
ISA TRAQ Certified Tree Risk Assessor
Laura.Leigh@Davey.com

Yours truly,



Kerin Matthews – sent electronically
Manager, Urban Forestry & Arboriculture
Davey Resource Group – Western Canada
ISA Certified Arborist #PN-5648
ISA Tree Risk Assessor Qualified
Kerin.Matthews@Davey.com

TREE #	SPECIES	DBH (cm)	Height (ft.)	LOCATION	DISTANCE (From P.O.C)	CONDITION	OBSERVATIONS	RECOMMENDATIONS	PRIORITY
1	Birch	25	30	Red Alder Trail*	3.6m S of sidewalk on Blake St.	Declining	In severe decline. Lean and asymmetrical canopy to the north over sidewalk. Dead top, extensive branch dieback and fungal activity.	REMOVE	1
2	Alder	100 (44+41+15)	30	Red Alder Trail*	5.5m E of walkway & 9m S of sidewalk	Fair	Three stems at base. Top of central stem dead. Bark is cracked and sloughing.	Remove dead top & monitor	2
3	Vine Maple	22 (10+6+6)	15	Red Alder Trail*	2.4m W of walkway & 10m N of lamp #472	Fair	Multiple stems. Stems over walkway removed and stubs remain.	Remove stubs	3
4	Birch	24	30	Red Alder Trail*	2m E of walkway & 29m S of sidewalk on Blake St.	Declining	Slight lean east of stem towards building. Dead top, branch dieback and limb shed.	REMOVE	1
5	Big leaf maple	80 (52+28)	60	Red Alder Trail*	5m W of walkway & 7m W of lamp #572	Fair/Poor	Originally had five stems; three stems removed. Large dead wood. Callusing wounds, decay, and fungal activity.	REMOVE	1
6 Tag# 293	Alder	59	40	Red Alder Trail*	1m E of walkway & 15m S of lamp #772	Fair	Branch dieback. Callusing wound on north side of stem commencing at 4.5ft to 8ft. Canker and fungal activity present.	MONITOR	2
7	Birch	36	40	Red Alder Trail*	1.2m W of walkway & 10m S of lamp #872	Dead	Callusing wound with decay on south side of stem commencing at 2ft to 4ft. Fungal activity present.	REMOVE	1
8	Big leaf maple	56 (30+6)	35	Red Alder Trail*	1m W of walkway & 8m S of lamp #872	Declining	Two stems at base; bark inclusion. Branch dieback. Wound north stem at 4ft to 10ft.	REMOVE	1
9 Tag# 027	Bitter cherry	23	35	Red Alder Trail*	8.1m E of walkway & 3m south lamp #872	Dead	Pathway to residential building 8ft from the south side of stem.	Confirm Ownership & REMOVE	1
10	Birch	70 (30+20+20)	35	Red Alder Trail*	3.9m E of walkway & 3m N of lamp #972	Declining	Multiple stems; several stems removed. Dead top, deadwood and limb shed. Targets; residential building, walkway, and occupants.	Confirm Ownership & REMOVE	1
11	Alder	22	20	Red Alder Trail*	3.6m W of walkway & across from lamp #972	Dead	Top failed. Bark cracked and sloughing. Fungal activity present. Targets; pathway to residential area and walkway.	REMOVE	1
12 Tag# 073	Big leaf maple	16	50	Red Alder Trail*	5.4m E of walkway & 10m N of lamp #1072	Fair/Poor	Four stems commencing at base. Dieback and limb shed. Callusing wounds with decay. Fungal fruiting bodies observed. Chain slightly embedded around stem.	REMOVE	1
13 Tag# 033	Alder	85 (43+42)	50	Red Alder Trail*	5.6m E of walkway & 10.5m S of lamp #972	Fair	Two stems at base. Topped; wound has not callused over, and the bark is cracked and sloughing. Pruning wounds have not callused over and decay is present. Targets; residential building, walkway, and occupants.	Confirm ownership & MONITOR	2
14	Hemlock	39	35	Red Alder Trail*	1m E of walkway & 5m N of amp #1072	Fair/Poor	Lean and asymmetrical canopy to the southwest. Bark cracked and sloughing. Branch dieback and canker.	Confirm ownership & MONITOR	2
15	Alder	30	20	Red Alder Trail*	5.1m W of walkway & 5m N of lamp #1072	Dead	Bark sloughing. Targets; residential building, walkway, and occupants.	Confirm ownership & REMOVE	1
16	Alder	30	30	Red Alder Trail*	6m W of walkway & 4m N of lamp #1072	Dead	Targets; residential building, walkway, and occupants.	Confirm ownership & REMOVE	1
17 Tag# 172	Big leaf maple	163 (101+62)	60	Red Alder Trail*	4.2m E of walkway & 11m N of lamp #1172	Poor	Two stems; bark cracked and sloughing above union. Callusing wound with decay at 20 – 30ft. Evidence of Bird activity. Multiple fungal fruiting bodies. Targets; residential building, walkway, and occupants.	REMOVE	1
18	Big leaf maple	61 (34+27)	25	Red Alder Trail*	4.2m E of walkway & 2m S of lamp #1272	Poor	Two stems at base; fungal activity in union. Callusing wound at base to 4ft. Extensive fungal activity at base.	Confirm ownership & REMOVE	1
19	Big leaf maple	45	35	Red Alder Trail*	7.6m W of walkway & 3m N of lamp #1272	Dead	Bark cracked and sloughing. Extensive fungal activity at base. Targets; residential building, walkway, and occupants.	Confirm ownership & REMOVE	1
20	Big leaf maple	56 (40+16)	40	Red Alder Trail*	1.8m SW of walkway & 13m W of lamp #385	Fair/poor	Two stems at base; callusing wound at union to 8ft. Dead top and branch dieback.	REMOVE	1
21 Tag# 006	Alder	48	30	Red Alder Trail*	2.4m SW of walkway & 7m E of lamp #385	Poor	Corrected lean to southeast. Extensive large deadwood and limb shed. Evidence of bird activity; significant boring.	REMOVE	1
22	Alder	48	30	Red Alder Trail*	2.1m SW of walkway & 2m W of lamp #385	Fair/Poor	Corrected lean to the northwest. Central leader reduced in height; wound not callused, decay and fungal activity are present. Limb failure east side at 15ft.	MONITOR	2
23	Big leaf maple	32	20	Birch Trail*	2.4m N of walkway & 16m E of lamp #385	Declining	Canopy asymmetrical to the southwest. Dead top, large deadwood and limb shed. Wound west side of stem at base to 12ft and east side at base to 4ft.	REMOVE	1
24	Big leaf maple	44	35	Birch Trail*	3.9m N of walkway & 6m E of lamp #585	Poor	Appear to have several stems at one point. Corrected lean and asymmetrical canopy to the south. Dead wood. Fungal activity at base on northwest side.	REMOVE	1

TREE #	SPECIES	DBH (cm)	Height (ft.)	LOCATION	DISTANCE (From P.O.C)	CONDITION	OBSERVATIONS	RECOMMENDATIONS	PRIORITY
25 Tag# 299	Big leaf maple	57	40	Birch Trail*	8.8m S of walkway & 4m E of lamp #785	Declining	Corrected lean and asymmetrical canopy. Dead top, deadwood. Column of decay west side at base to 10ft. Bark sloughing. Fungal activity observed. Targets; pathway to residential building and occupants.	Confirm ownership & REMOVE	1
26	Alder	21	25	Birch Trail*	5.4m S of walkway & 2m E of lamp #585	Declining	Dead top and branch dieback. Bark sloughing and canker. Targets; path to residential buildings and occupants.	Confirm ownership & REMOVE	1
27	Alder	39	30	Birch Trail*	6.6m S of walkway & 6m W of lamp #585	Declining	Central stem failed, decay and fungal activity at failure site. Deadwood and limb shed. Canker. Targets; path to residential buildings and occupants.	Confirm ownership & REMOVE	1
28 Tag# 379	Big leaf maple	56 (30+26)	35	Birch Trail*	1.2m SE of walkway & 13m SW of lamp #485	Declining	Two stems at 3ft. Lean and asymmetrical canopy to the east. Dead top and branch dieback. Column of decay south side at base to 3ft. Bark cracked north side at base.	Confirm ownership & REMOVE	1
29	Alder	44	35	Red Alder Trail*	2.4m W of walkway & 11m NE of lamp #175	Declining	Lean to the southeast. Deadwood and limb shed. Bark cracked and sloughing. Extensive canker.	REMOVE	1
30	Alder	33	25	Red Alder Trail*	8.1m E of walkway & 10m S of lamp #175	Dead	Bark cracked and sloughing.	REMOVE	1
31	Alder	43	25	Red Alder Trail*	2.4m E of walkway & 14m S of lamp #175	Declining	Dead top and large deadwood. Bark cracked and sloughing.	REMOVE	1
32	Bitter Cherry	36 (19+17)	25	Black Cottonwood Trail*	4.5m W of walkway & 15.5m SW of lamp #175	Declining	Two stems at base. North stem lean over walkway. Branch dieback. Bark cracked and sloughing.	REMOVE	1
33	Big leaf maple	45	45	Black Cottonwood Trail*	7.2m W of walkway & 25m NE of lamp #784	Declining	Asymmetrical canopy to the east. Leader failed at 25ft. Dead top and deadwood.	REMOVE	1
34 Tag# 286	Big leaf maple	52	60	Black Cottonwood Trail*	6.4m N of walkway & 10m NE of lamp #784	Dead	Six stems at base. Bark sloughing and fungal activity is present.	REMOVE	1
35	Alder	23	20	Black Cottonwood Trail*	12.7m N of walkway & 3m E of lamp #484	Dead	Top has shed. Targets; fence.	REMOVE	1
36	Alder	54	35	Black Cottonwood Trail*	12.7m N of walkway & 3m E of lamp #484	Dead	Two stems at 1ft; stems fused to 8ft. Lean and asymmetrical to the northwest. Bark cracked and sloughing. Targets; fence, rear yard of adjacent residential property and occupants.	REMOVE	1
37	Douglas Fir	114 (90+24)	75	Black Cottonwood Trail*	6m N of walkway & 64m E of Champlain Cres.	Good	Two stems. Branch dieback and limb shed. Hangers within canopy above playground. Targets; playground and occupants.	Remove large deadwood and hangers	1
38	Douglas Fir	77 (60+17)	45	Black Cottonwood Trail*	5.1m E of walkway & 32m S of sidewalk on Blake St.	Dead	Two stems at 4.5ft. Foliage has shed, and bark has sloughed. Evidence of bird activity.	REMOVE	1
39	Alder	29	25	Black Cottonwood Trail*	2.4m S of walkway & 186m E of Champlain Cres.	Declining	Lean and asymmetrical canopy to the northwest. Column of decay. Branch dieback and bark sloughing.	REMOVE	1
40	Alder	36	30	Red Alder Trail*	2.1m W of walkway & 4m S of lamp #575	Dead	Top has failed. Deadwood and limb shed. Bark cracked and sloughing.	REMOVE	1
41	Big leaf maple	18	20	Red Alder Trail*	3.6m W of walkway & 46m S of lamp #475	Declining	Large deadwood and limb shed.	REMOVE	1
42	Alder	32	25	Red Alder Trail*	1.5m E of walkway & 7m S of lamp #675	Declining	Top has shed; decay noted. Bark cracked and sloughing. Fungal activity observed on stem.	REMOVE	1
43	Alder	26	25	Red Alder Trail*	7.8m E of walkway & 7m S of lamp #1175	Dead	Dead top and bark sloughing.	REMOVE	1
44	Alder	27	35	Orange Dogwood Trail*	2.7m S of walkway & 11m E of Champlain Cres.	Poor	Corrected lean and asymmetrical canopy to the west. Branch dieback. Bark cracked and sloughing. It has canker. Targets; City sidewalk, bench, walkway, and occupants.	REMOVE	1
45	Alder	30	35	Orange Dogwood Trail*	1.2 S of walkway & 16m E of Champlain Cres.	Poor	Corrected lean to the northwest. Branch dieback. It has extensive canker. Targets; bench, walkway, and occupants.	REMOVE	1
46	Alder	28	20	Orange Dogwood Trail*	3m S of walkway & 2.5m W of lamp #384	Declining	Lean to the northwest. Branch dieback. It has canker. Ivy on stem.	REMOVE	1
47	Alder	38	30	Orange Dogwood Trail*	1m S of walkway & 14m W of lamp #484	Dead	Lean to the south. Dead top and deadwood. Bark sloughing and sapsucker damage.	REMOVE	1
48	Alder	30	30	Red Alder Trail*	3.3m E of walkway & 10m N of lamp #277	Dead	Lean to the northwest over walkway.	REMOVE	1
49	Alder	26	20	Red Alder Trail*	4.8m E of walkway & 6m N of lamp #277	Dead	Lean to the southwest. Top shed. Bark cracked and sloughing.	REMOVE	1

TREE #	SPECIES	DBH (cm)	Height (ft.)	LOCATION	DISTANCE (From P.O.C)	CONDITION	OBSERVATIONS	RECOMMENDATIONS	PRIORITY
50	Alder	35	30	Red Alder Trail*	1.8m W of walkway & 5m S of lamp #277	Declining	Lean and asymmetrical canopy to the southwest. Branch dieback. Bark cracked and sloughing.	REMOVE	1
51	Alder	40	40	Red Alder Trail*	8.1m E of walkway & 10m S of lamp #277	Dead	Bark sloughing.	REMOVE	1
52	Alder	35	30	Red Alder Trail*	12m E of walkway & 6m N of lamp #185	Dead	Bark sloughing. Targets; fence, walkway, and occupants.	Confirm ownership & REMOVE	1
53	Alder	31	30	Red Alder Trail*	1.2m W of walkway & 14m N of lamp #178	Poor	Corrected lean and asymmetrical canopy to the southwest over walkway. Branch dieback and it has extensive canker.	REMOVE	1
54	Alder	36	25	Red Alder Trail*	5.4m W of walkway & 5m S of lamp #178	Dead	Top shed and deadwood. Fungal activity is present. Targets; residential building and occupants.	Confirm ownership & REMOVE	1
55	Alder	32	25	Red Alder Trail*	6.6m W of walkway & 12m S of lamp #178	Dead	Top shed and deadwood. Fungal activity is present. Targets; residential building and occupants.	Confirm ownership & REMOVE	1
56	Alder	26	25	Red Alder Trail*	3m NW of walkway & 2.5m S of lamp #278	Dead	Originally two stems at base. North stem removed; remaining stem is dead, and the bark is sloughing. Fungal activity observed at base.	REMOVE	1
57	Alder	19	25	Red Alder Trail*	2.4m N of walkway & 6m W of lamp #484	Dead	Lean to the south side. Bark sloughing.	REMOVE	1
58	Alder	19	25	Fir Trail*	2.1m N of walkway & 7.5m W of lamp #484	Dead	Lean to the south.	REMOVE	1
59	Alder	99 (38+33+28)	40	Fir Trail*	9.7m S of walkway & 6m E of lamp #184	Fair/Poor	Three stems at base. Branch dieback. Wound on central stem. Evidence of bird activity and it has canker.	Remove central stem	2
60	Alder	36	40	Fir Trail*	8.4m S of walkway & 3m E of lamp #284	Declining	Originally two stems at base. Lean to the north. Dead top. Column of decay south side at 8ft to 20ft. Extensive canker.	REMOVE	1
61	Cottonwood	22	20	Red Alder Trail*	1.2m E of walkway & 9.5m N of lamp #179	Dead	Corrected lean to the west over walkway. Dead top and branch dieback. Evidence of bird activity.	REMOVE	1
62	Bitter Cherry	55 (2+26)	30	Red Alder Trail*	2.1m E of walkway & 2.5m N of lamp #379	Poor	Two stems at base. West stem failed at 15ft; decay and fungal activity at failure site. Lean and asymmetrical canopy to the northwest. It has extensive canker and fungal activity at the base.	REMOVE	1
63	Alder	36	40	Red Alder Trail*	3m W of walkway & 7m S of lamp #579	Declining	Significant corrected lean to the northwest. Bark cracked and sloughing at 20ft – 40ft. Targets; basketball court, walkway, and occupants.	REMOVE	1
64	Big leaf maple	47	40	Red Alder Trail*	5.4m E of walkway & 11m S of lamp #579	Dead	Bark has sloughed.	REMOVE	1
65	Black Locust	24	20	Red Alder Trail*	4.2m W of walkway & 14m S of lamp #979	Poor	Significant lean and asymmetrical canopy to the west side; tension roots exposed east of stem. Branch dieback. Fungal activity at base. Targets; playground and occupants.	REMOVE	1
66	Black Locust	27	30	Red Alder Trail*	5.4m W of walkway & 1m S of lamp #1179	Declining	Lean to the southwest. Wound and decay on west side at base to 4ft. Fungal activity observed on upper stem. Targets; playground and occupants.	REMOVE	1
67	Bitter Cherry	36 (26+10)	25	Grey Gum Trail*	6m N of walkway & 1.5m E of lamp #786	Declining	Two stems at base. Lean to the south; over lamp standard #786. Slope downward south of stem.	REMOVE	1
68	Bitter Cherry	26	35	Grey Gum Trail*	6m S of walkway & 2m W of lamp #786	Dead	Lean to the northeast. Deadwood. Sloughing bark. Targets; fence, rear yard of adjacent residential property and occupants.	Confirm ownership & REMOVE	1
69	Alder	57	35	Red Alder Trail*	3.6m SW of walkway & 11 SW of lamp #282	Declining	Dead top and deadwood. Canker and sloughing bark.	REMOVE	1
70	Bitter Cherry	14	20	Red Alder Trail*	3.6m SW of walkway & 11 SW of lamp #282	Declining	Lean to the north over walkway. Branch dieback and sloughing bark.	REMOVE	1
71	Alder	39	40	Red Alder Trail*	1.8m NE of walkway & SE of lamp #682	Declining	Lean to the south. Dead top and deadwood. Cavity of decay east side at 15ft. It has canker and fungal activity is present.	REMOVE	1
72	Big leaf maple	84 (44+40)	40	Red Alder Trail*	7.5m NE of walkway & 4.5m NW of lamp #1082	Declining	Two stems; fungal activity in union. Top of north stem has shed. Branch dieback. Significant decay on south side. Evidence of bird activity and sloughing bark.	REMOVE	1
73	Bitter Cherry	29 (17+12)	25	Red Alder Trail*	2.1m NE of walkway & 7m N of lamp #1182	Dead	Two stems at base. Phototropic lean and asymmetrical to the south over walkway.	REMOVE	1
74	Birch	67 (23+22+22)	30	Red Alder Trail*	5.4m NE of walkway & 10m SE of lamp #1282	Declining	Seven stems at base. Extensive deadwood and limb shed. Fungal activity observed. Targets; residential building and rear yard, fence, walkway, and occupants.	REMOVE	1
75	Black locust	144 (58/56/30)	45	Red Alder Trail*	7.5m SW of walkway & 7m SW of lamp #1382	Fair	Four stems at base. Deadwood; previously pruned. Multiple seams. Column of decay on west side at base to 10ft.	Remove deadwood	2

TREE #	SPECIES	DBH (cm)	Height (ft.)	LOCATION	DISTANCE (From P.O.C)	CONDITION	OBSERVATIONS	RECOMMENDATIONS	PRIORITY
76	Cottonwood	64	70	Red Alder Trail*	3m SW of walkway & 9m SE of lamp #1182	Fair	Significant limb shed. Wounds have not callused over; decay and fungal activity are present.	Remove deadwood and hangers. Aerial inspection requested.	2
77	Alder	50	50	Red Alder Trail*	1.8m SW of walkway & SW of lamp #882	Poor	Significant corrected lean and asymmetrical canopy to the northeast. Deadwood and sloughing bark. It has canker and fungal activity was observed.	REMOVE	1
78	Big leaf maple	51	50	Red Alder Trail*	1m SW of walkway & 4m NW of lamp #882	Declining	Lean to the northeast. Extensive deadwood and sloughing bark. Fungal activity at base.	REMOVE	1
79	Alder	50	20	Red Alder Trail*	1.8m SW of walkway & 1.5m SE of lamp #682	Dead	Tall dead stem.	REMOVE	1
80	Alder	30	30	Red Alder Trail*	2.4m S of walkway & 5m E of lamp #582	Declining	Lean to the southeast. Branch dieback. Canker and fungal activity observed.	REMOVE	1
81	Alder	26	30	Red Alder Trail*	3m N of walkway & 3.5m N of lamp #582	Dead	Top shed. Deadwood and sloughing bark.	REMOVE	1
82	Alder	38	25	Red Alder Trail*	6.6m N of walkway & 10.5m W of lamp #482	Dead	Limb shed and sloughing bark. Fungal activity present.	REMOVE	1
83 Tag# 357	Big leaf maple	110 (40+37+33)	30	Red Alder Trail*	6.6m E of Matheson Cres.	Declining	Three stems at base; northeast stem dead. Top of remaining stems dead. Branch dieback and sloughing bark.	REMOVE	1
84	Alder	29	25	Red Alder Trail*	3.9m E of Matheson Cres.	Declining	Dead top. Branch dieback and limb shed. It has canker.	REMOVE	1
85	Alder	34	25	Red Alder Trail*	3m N of walkway & SW of lamp #1579	Declining	Dead top. Branch dieback and limb shed. Canker and fungal activity observed.	REMOVE	1
86	Big leaf maple	39	30	Grey Gum Trail*	2.7m N of walkway & 4m NE of lamp #1879	Poor	Basal sweep to the southwest. Bark is sloughing. Fungal activity at base extends upward on stem. Targets; residential building, fence, walkway, and occupants.	REMOVE Northwest stem	2
87	Big leaf maple	27	20	Grey Gum Trail*	4.8m N of walkway & 9m NE of lamp #1879	Dead	Bark cracked and sloughing.	REMOVE	1
88	Big leaf maple	32	35	Sunrise Trail*	2.4m S of sidewalk on Champlain Cres.	Declining	Lean to the north over sidewalk. Significant deadwood. Large cavity of decay on north side at base to 3ft.	REMOVE	1
89	Big leaf maple	36	35	Sunrise Trail*	2.4m S of sidewalk on Champlain Cres.	Fair	Corrected lean to the northwest. Deadwood. Wound on north side at base.	Remove deadwood & MONITOR	2
90	Alder	38	30	Sunrise Trail*	3.3m S of sidewalk on Champlain Cres.	Declining	Lean to the south. Deadwood and canker.	REMOVE	1
91	Alder	33	25	Sunrise Trail*	7.2m N of walkway & 21m SW of sidewalk on Champlain Cres.	Dead	Bark sloughing.	REMOVE	1
92	Alder	14	12	Sunrise Trail*	1m N of walkway & 20m SW of sidewalk on Champlain Cres.	Dead	Bark sloughing.	REMOVE	1
93	Alder	22	25	Sunrise Trail*	1m S of walkway & 3m E of lamp #483	Dead	Bark sloughing.	REMOVE	1
94	Alder	40 est.	25	Sunrise Trail*	2.7m N of walkway & 3m E of lamp #483	Dead	Bark sloughing. Fungal activity observed.	REMOVE	1
95	Alder	17	15	Sunrise Trail*	2.4m N of walkway & 2m E of lamp #483	Dead	Bark sloughing.	REMOVE	1
96	Alder	30 est.	25	Sunrise Trail*	5.4m N of walkway & E of lamp #483	Dead	Stem partially failed. Bark sloughing.	REMOVE	1
97	Alder	29	30	Sunrise Trail*	3.6m S of walkway & 9m W of lamp #483	Dead	Bark sloughing.	REMOVE	1
98	Alder	29	30	Sunrise Trail*	5.1m S of walkway & 3m E of lamp #383	Declining	Dead top. Bark sloughing.	REMOVE	1
99	Alder	31	30	Sunrise Trail*	9.3m S of walkway & 5m E of lamp #383	Declining	Dead top. Cavity of decay at 10ft. Branch dieback and sloughing bark.	Confirm ownership & REMOVE	1
100	Alder	30	25	Sunrise Trail*	10m S of walkway & 14m E of lamp #283	Poor	Lean to the south. Dead top, branch dieback and canker. Cavity of decay at 9ft.	Confirm ownership & REMOVE	1
101	Alder	32	25	Sunrise Trail*	10m S of walkway & 14m E of lamp #283	Poor	Deadwood and canker.	Confirm ownership & REMOVE	1

TREE #	SPECIES	DBH (cm)	Height (ft.)	LOCATION	DISTANCE (From P.O.C)	CONDITION	OBSERVATIONS	RECOMMENDATIONS	PRIORITY
102	Alder	35	20	Sunrise Trail*	7.2m S of walkway & 14m E of lamp #283	Dead	Targets; residential building and yard, fence, and occupants.	Confirm ownership & REMOVE	1
103	Alder	37	30	Sunrise Trail*	3m S of walkway & 14m E of lamp #283	Declining	Lean to the south. Dead top and deadwood.	REMOVE	1
104	Bitter Cherry	20 (14+6)	20	Sunrise Trail*	1.5m N of walkway & 7m E of lamp #283	Dead	Two stems at base.	REMOVE	1
105	Alder	29	30	Sunrise Trail*	2.7m S of walkway & S of lamp #283	Dead	Lean to the southwest. South of lamp standard #283. Targets Residential building and yard, fence, and occupants.	REMOVE	1
106	Alder	80 (40+40)	35	Sunrise Trail*	1m S of walkway & 4m W of lamp #283	Poor	Two stems at base. South stem lean to the southwest. Dead top, deadwood and it has canker. Targets Residential building and yard, fence, and occupants.	REMOVE	1
107	Alder	62	50	Sunrise Trail*	1m N of walkway & 8m E of lamp #183	Fair	Deadwood. Pruning wound west side at 15ft; decay and sloughing bark.	Remove deadwood & inspect old pruning wound	2
108	Alder	19	15	Sunrise Trail*	2.1m W of walkway & N of lamp #23	Dead	Lean to the southeast. Top failed. Bark cracked and sloughing.	REMOVE	1
109	Alder	55	60	Sunrise Trail*	6.3m W of walkway & 9m N of lamp #23	Poor	Significant corrected lean and asymmetrical canopy to the northeast. Branch dieback and canker. Wound with decay southwest side at 2ft to 6ft.	Confirm ownership & REMOVE	1
110	Alder	41	60	Sunrise Trail*	5.7m W of walkway & 5.5m N of lamp #23	Poor	Corrected lean to the northeast and asymmetrical canopy to the east. Branch dieback and canker.	Confirm ownership & REMOVE	1
111	Alder	42	60	Sunrise Trail*	3.6m W of walkway & W of lamp #23	Poor	Corrected lean to the south. Branch dieback and canker.	Confirm ownership & REMOVE	1
112	Alder	13	25	Sunrise Trail*	3.9m W of walkway W of lamp #2481	Dead	This tree has since failed.	No further action required	N/A
113	Alder	33	60	Sunrise Trail*	1.5m W of walkway & S of bridge	Poor	Significant corrected lean to the southeast. Branch dieback and canker.	Confirm ownership & REMOVE	1
114	Alder	30	50	Sunrise Trail*	2.1m E of walkway & adjacent to bridge	Poor	Corrected lean to the northwest. Branch dieback and significant canker. Targets; residential building, yard, and occupants.	Confirm ownership & REMOVE	1
115	Alder	29	50	Sunrise Trail*	2.7m E of walkway & E of lamp #2581	Declining	Deadwood and significant canker.	REMOVE	1
116	Alder	38	35	Sunrise Trail*	3.6m E of walkway & E of lamp #2581	Poor	Deadwood and significant canker.	REMOVE	1
117	Alder	33	60	Sunrise Trail*	3m W of walkway & W of lamp #2481	Poor	Upper canopy phototrophic lean to the east. Branch dieback and significant canker. At top of bank.	Confirm ownership & REMOVE	1
118	Alder	34	60	Sunrise Trail*	1m W of walkway & W of lamp #2781	Poor	Significant corrected lean to the southwest. Branch dieback and extensive canker. At top of bank.	Confirm ownership & REMOVE	1
119	Alder	39	50	Sunrise Trail*	2.7m W of walkway & 3m N of lamp #2881	Declining	Lean to the east. Branch dieback and canker. Targets; residential building and yard, fence, and occupants.	Confirm ownership & REMOVE	1
120	Cottonwood	47	55	Sunrise Trail*	6.9m E of walkway & 9.5m N of lamp #30	Poor	Dead top, deadwood and limb shed.	Confirm ownership & REMOVE	1
121	Alder	38 est.	50	Sunrise Trail*	2.7m W of walkway & adjacent to lamp #30	Dead	Corrected lean to the southeast. Deadwood sloughing bark. Blackberry surrounding base.	Confirm ownership & REMOVE	1
122	Alder	25 est.	50	Sunrise Trail*	2.7m W of walkway & 5m N of lamp #30	Declining	Deadwood and sloughing bark. Blackberry surrounding base.	Confirm ownership & REMOVE	1
123	Alder	20	35	Sunrise Trail*	2.7m W of walkway & 6m N of lamp #30	Poor	Deadwood. Bark sloughing Canker. Blackberry.	Confirm ownership & REMOVE	1
124	Alder	50	55	Sunrise Trail*	2.7m W of walkway & 6m N of lamp #30	Declining	Corrected lean to the southwest side. Canopy asymmetrical to the southwest side. Dead wood. Canker. Blackberry.	Confirm ownership & REMOVE	1
125	Big leaf maple	20	40	Sunrise Trail*	6.9m E of walkway & E of lamp #31	Dead	Bark sloughing.	Confirm ownership & REMOVE	1
126	Cottonwood	24	30	Sunrise Trail*	2.1m SE of walkway & 14m SW of lamp #31	Dead	Corrected lean to the north. Bark sloughing.	REMOVE	1
127	Alder	15 est.	25	Sunrise Trail*	1.5m E of walkway & 4.5m SW of lamp #31	Dead	Bark sloughing.	REMOVE	1

TREE #	SPECIES	DBH (cm)	Height (ft.)	LOCATION	DISTANCE (From P.O.C)	CONDITION	OBSERVATIONS	RECOMMENDATIONS	PRIORITY
128	Alder	22 est.	30	Sunrise Trail*	6.9m E of walkway & E of lamp #31	Dead	Lean to the southwest. Bark sloughing.	REMOVE	1
129	Alder	28	40	Sunrise Trail*	2.4m W of walkway & 6.5m S of lamp #2681	Poor	Dead top, branch dieback and canker. Canopy asymmetrical to the south. Cavity of decay on west side at 10 to 15ft.	Confirm ownership & REMOVE	1
130	Alder	36	45	Sunrise Trail*	1.5m W of walkway & 11m S of lamp #2481	Poor	Deadwood. Decay on the west stem and canker.	Confirm ownership & REMOVE	1
131	Alder	20	25	Sunrise Trail*	3.6m W of walkway & 11m N of bridge	Dead	Bark sloughing.	Confirm ownership & REMOVE	1
132	Alder	20	30	Sunrise Trail*	3.3m W of walkway & 6m N of lamp #2180	Dead	Corrected lean to the south side. Bark sloughing.	Confirm ownership & REMOVE	1
133	Alder	100 est. combined	65	Sunrise Trail*	4.8m W of walkway & 4m NW of lamp #22	Poor	Two stems at base. Significant phototropic lean and asymmetrical canopy to the northeast. Branch dieback and extensive canker. Struck by adjacent tree.	Confirm ownership & REMOVE	1
134	Alder	38	55	Sunrise Trail*	4.8m SW of walkway & 13.5m NW of lamp #22	Poor	Significant corrected lean and asymmetrical canopy to the southeast side. Branch dieback.	Confirm ownership & REMOVE	1
135	Bitter Cherry	22	35	Grey Gum Trail*	3.6m SW of walkway & 11m W of lamp #18	Dead	Top shed.	Confirm ownership & REMOVE	1
136	Alder	40	50	Grey Gum Trail*	2.1m S of walkway & 9m W of lamp #18	Dead	Lean to the north. Top shed and branch dieback. Targets; residential building and yard, fence, and occupants.	Confirm ownership & REMOVE	1
137	Alder	38	45	Grey Gum Trail*	2.7m N of walkway & 10m W of lamp #18	Declining	Lean to the north. Top dead and branch dieback. Targets; residential building and yard, fence, and occupants.	REMOVE	1
138	Alder	64 (35+29)	55	Grey Gum Trail*	1.8m S of walkway & 2.5m SE of lamp #16	Poor	Branch dieback and canker. Wound on south side at base.	Remove smaller stem & monitor remaining stem	2
139	Alder	14	40	Grey Gum Trail*	1.5m S of walkway & 7m SE of lamp #16	Dead	Bark sloughing.	REMOVE	1
140	Alder	21	40	Grey Gum Trail*	1.8m NE of walkway & 4m NW of lamp #16	Poor	Significant lean to the north. Branch dieback and extensive canker.	REMOVE	1
141	Alder	27	50	Grey Gum Trail*	2.4m SW of walkway & 3m NW of lamp #15	Poor	Moderate corrected lean to the north. Branch dieback and extensive canker.	REMOVE	1
142	Alder	25	50	Grey Gum Trail*	2.4m SW of walkway & 2.5m SE of lap #14	Poor	Lean and asymmetrical canopy to the north. Branch dieback and extensive canker.	REMOVE	1
143	Alder	60 est.	30	Grey Gum Trail*	1.2m E of walkway & 10m NE of lamp #10	Poor	Previously topped. Pruning wounds with decay. Branch dieback and canker.	Confirm ownership & REMOVE	1
144	Alder	29	25	Grey Gum Trail*	1.8m E of walkway & 8.5m N of lamp #878	Poor	Lean to the south. Branch dieback. Multiple wounds on stem and canker.	REMOVE	1
145	Alder	32	25	Grey Gum Trail*	2.4m E of walkway & 9.5m N of lamp #878	Poor	Lean and asymmetrical canopy to the southeast. Branch dieback and canker.	REMOVE	1
146	Alder	18 est.	25	Sunrise Trail*	8m NW of sidewalk on Matheson Cres.	Dead	Leaning on adjacent tree to the south. Blackberry surrounding base. Targets; City sidewalk, Matheson Cres., vehicles and pedestrians.	REMOVE	1
147	Alder	26	30	Sunrise Trail*	10m NW of sidewalk on Matheson Cres.	Dead	Bark sloughing.	Confirm ownership & REMOVE	1
148	Alder	23	35	Sunrise Trail* 30ft	10m NW of sidewalk on Matheson Cres.	Dead	Bark sloughing. On slope. Targets; City sidewalk, Matheson Cres., vehicles and pedestrians.	Confirm ownership & REMOVE	1
149	Alder	23 est.	35	Sunrise Trail*	10m NW of sidewalk on Matheson Cres.	Dead	Bark sloughing. On slope. Targets; City sidewalk, Matheson Cres., vehicles and pedestrians.	Confirm ownership & REMOVE	1
150	Big leaf maple	35 est.	35	Red Alder Trail*	5.4m W of walkway & 6m S of lamp #1479	Fair/Poor	Canopy asymmetrical to the east. Deadwood and evidence of bird activity.	Remove upper stem above boring holes & leave wildlife snag	3
151	Big leaf maple	50	35	Sunrise Trail*	6m SW of sidewalk on Champlain Cres.	Fair/poor	Dead top and deadwood. Wound south side at base extends to the south side of the upper stem.	REMOVE	1
152	Alder	84 (54+30)	35	Sunrise Trail*	6m SW of sidewalk on Champlain Cres.	Poor	Two stems at base; south stem dead top. Deadwood and canker. Targets residential building and yard, fence, and occupants.	Confirm ownership & REMOVE	1
153	Big leaf maple	14	25	Sunrise Trail*	3.9m SW of sidewalk on Champlain Cres.	Dead	No bark.	REMOVE	1
154	Big leaf maple	9	20	Sunrise Trail*	1m SW of walkway & S of lamp #683	Dead	Bark sloughing.	REMOVE	1

TREE #	SPECIES	DBH (cm)	Height (ft.)	LOCATION	DISTANCE (From P.O.C)	CONDITION	OBSERVATIONS	RECOMMENDATIONS	PRIORITY
155	Big leaf maple	16	15	Sunrise Trail*	3.9m S of walkway & SE of lamp #683	Dead	Top shed and bark sloughing.	REMOVE	1
156	Big leaf maple	22	20	Sunrise Trail*	3m N of walkway & E of lamp #683	Dead	Bark sloughing. Ivy.	REMOVE	1
157	Alder	31	35	Sunrise Trail*	1.8m SW of sidewalk on Champlain Cres.	Poor	Deadwood, limb shed and canker.	REMOVE	1
158	Birch	22	25	Black Cottonwood Trail*	4m SE of sidewalk on Blake St.	Poor	Multiple stems removed. Lean and asymmetrical canopy to the north. Branch dieback, limb shed and hangers.	Remove north stem & hangers	1
159	Alder	26	25	Black Cottonwood Trail*	3.9m NE of sidewalk on Champlain Cres. & 23m SE of sidewalk on Blake St.	Declining	Bark sloughing. Fungal activity observed. North of lamp standard #275 that is adjacent to Champlain Cres.	REMOVE	1
160	Alder	30 est. (15+15)	25	Black Cottonwood Trail*	5m NE of sidewalk on Champlain Cres. & 26m SE of sidewalk on Blake St.	Dead	Two stems at 2ft; top of both stems has shed. Bark sloughing. Fungal activity observed. North of lamp standard #275 that is adjacent to Champlain Cres.	REMOVE	1
161	Alder	55	35	Orange Dogwood Trail*	10m E of sidewalk on Champlain Cres.	Declining	Two stems at 6ft. East stem dead; top has shed. Decay south side at 3.5ft. Evidence of bird activity and fungal fruiting bodies observed.	REMOVE	1
162	Alder	24	20	Sunrise Trail*	7.2m S of walkway & 26m SW of sidewalk on Champlain Cres.	Declining	Originally two stems at base. Bark sloughing.	REMOVE	1



Tree #1



Tree #3



Tree #5



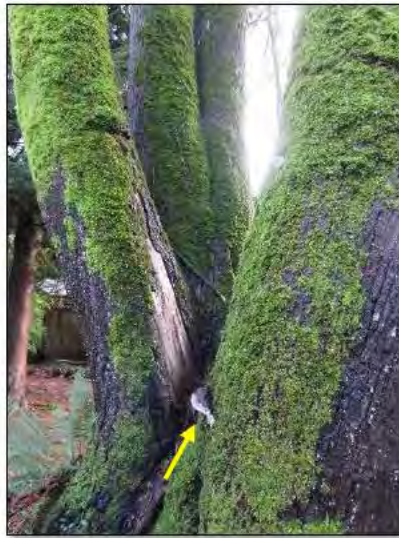
Tree #7



Tree #7 – Fungal activity



Tree #9 (Tag 027)



Tree #12 (Tag 073)



Tree #12



Tree #18



Tree #18



Tree #21 (Tag 406)



Tree #25 (Tag 299)



Tree #31



Tree #32



Tree #37



Tree #42



Tree #44



Tree #55



Tree #56



Tree #62



Trees #65 & #66



Tree #67



Tree #69



Tree #74



Tree #75



Tree #76



Tree #79



Tree #84



Tree #87



Trees #88, 90 & 89



Trees #88, 90 & 89



Trees #91, 156, 157



Trees #96 - 98



Trees #100 – 103



Tree #107



Trees #121 - 124



Trees #109 - 111



Tree #143



Tree #145 & #146



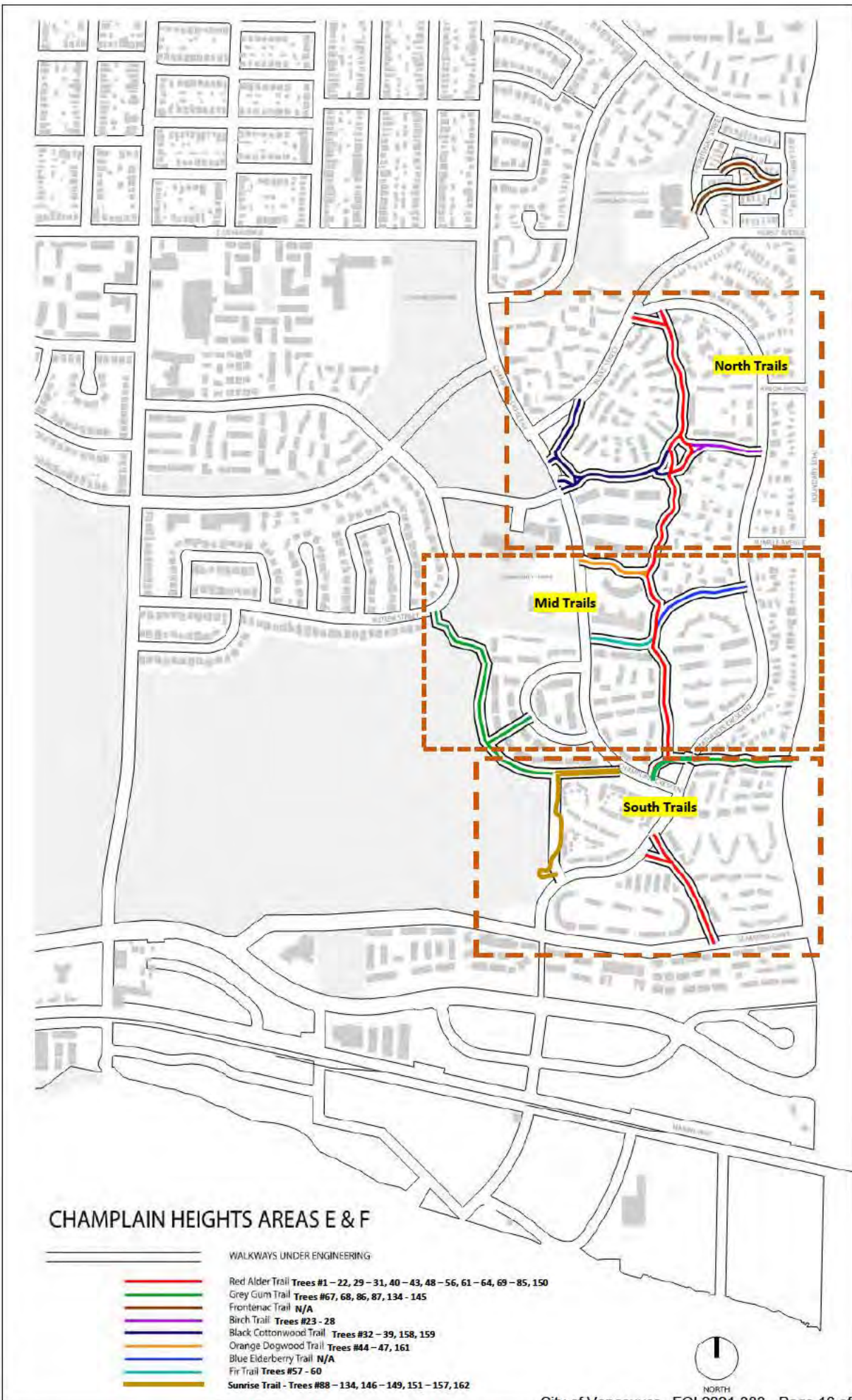
Trees #148 & 149

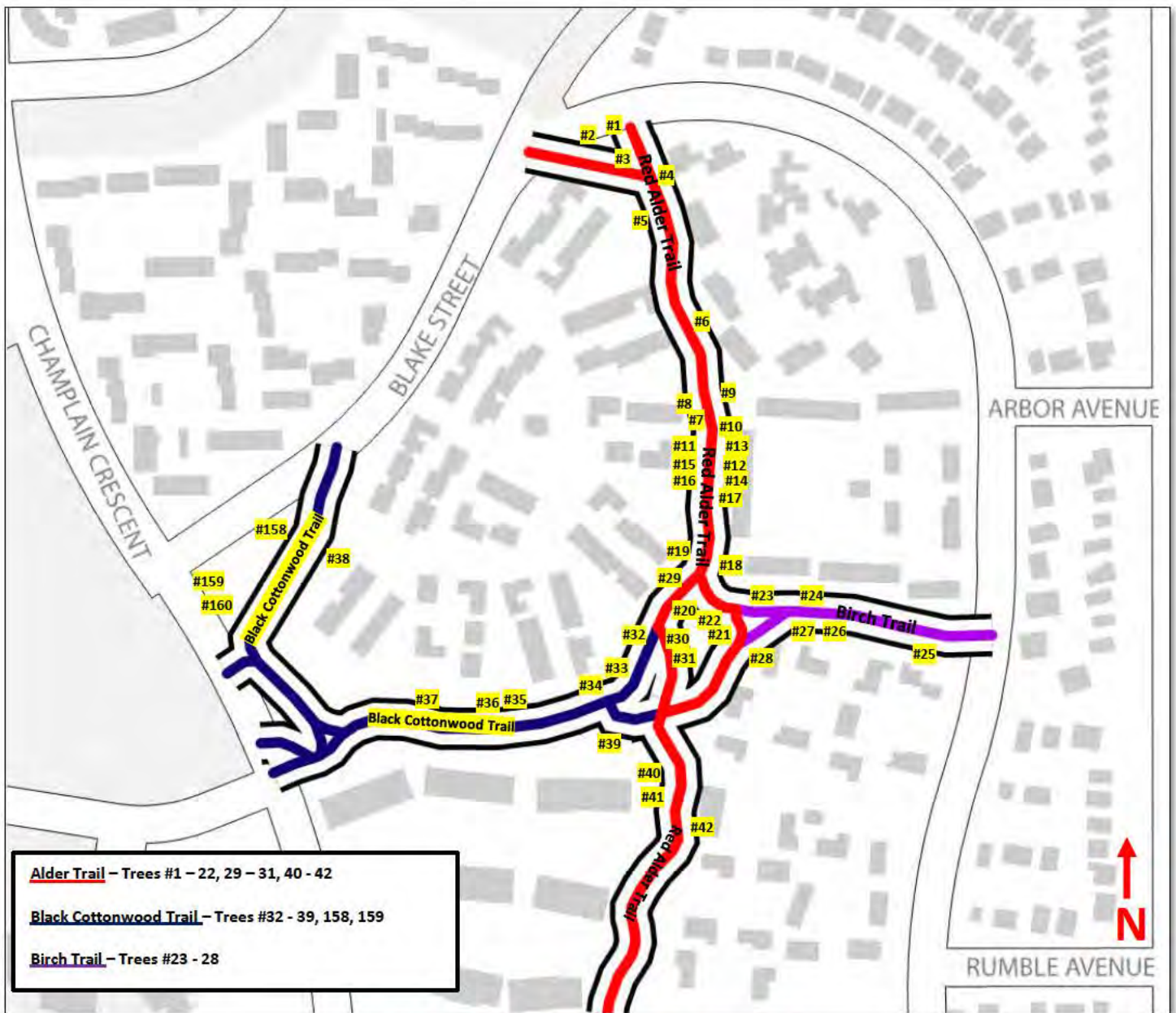


Trees #159 & 160

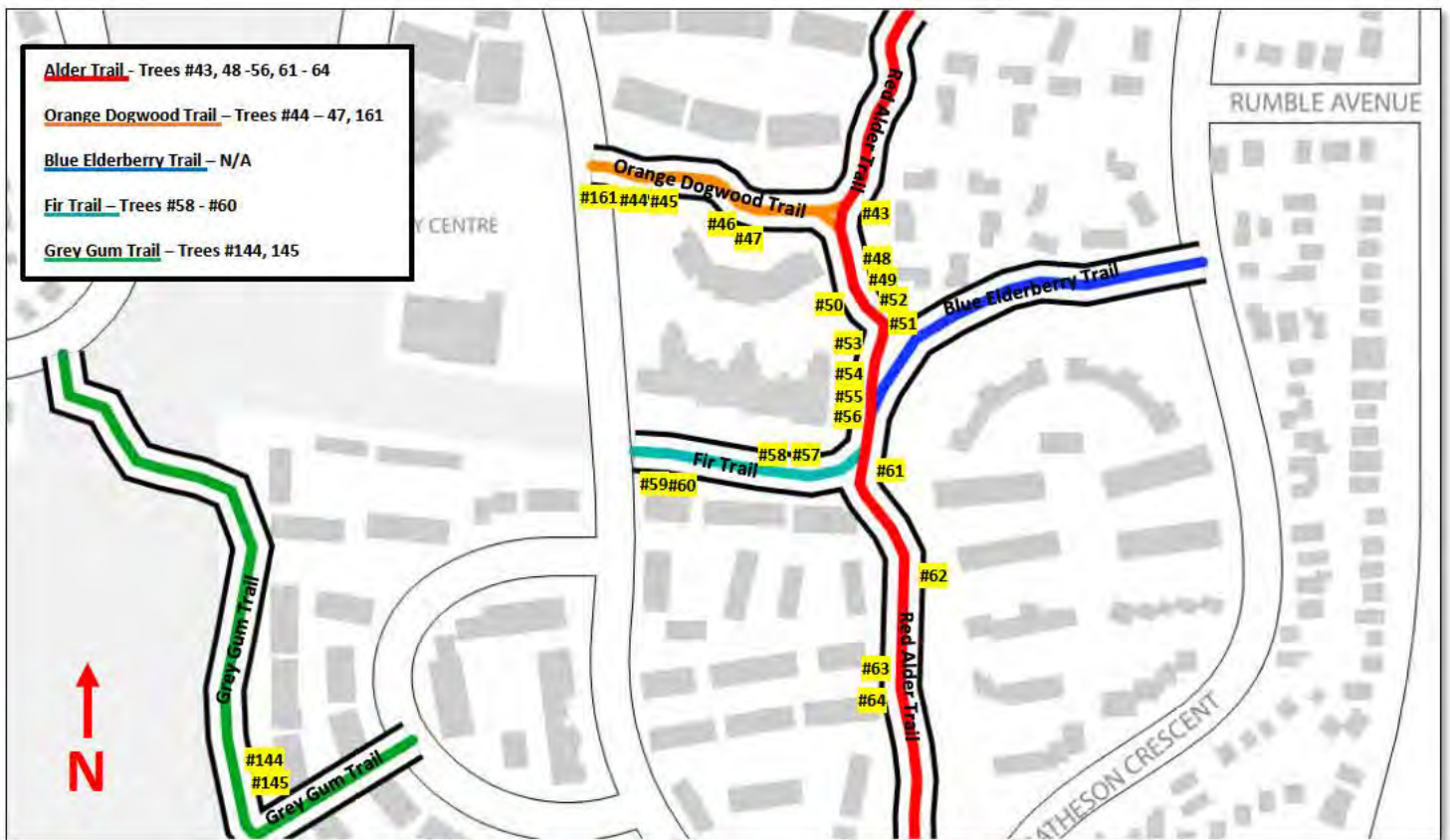


Areas Assessed for Tree Risk Mitigation Work

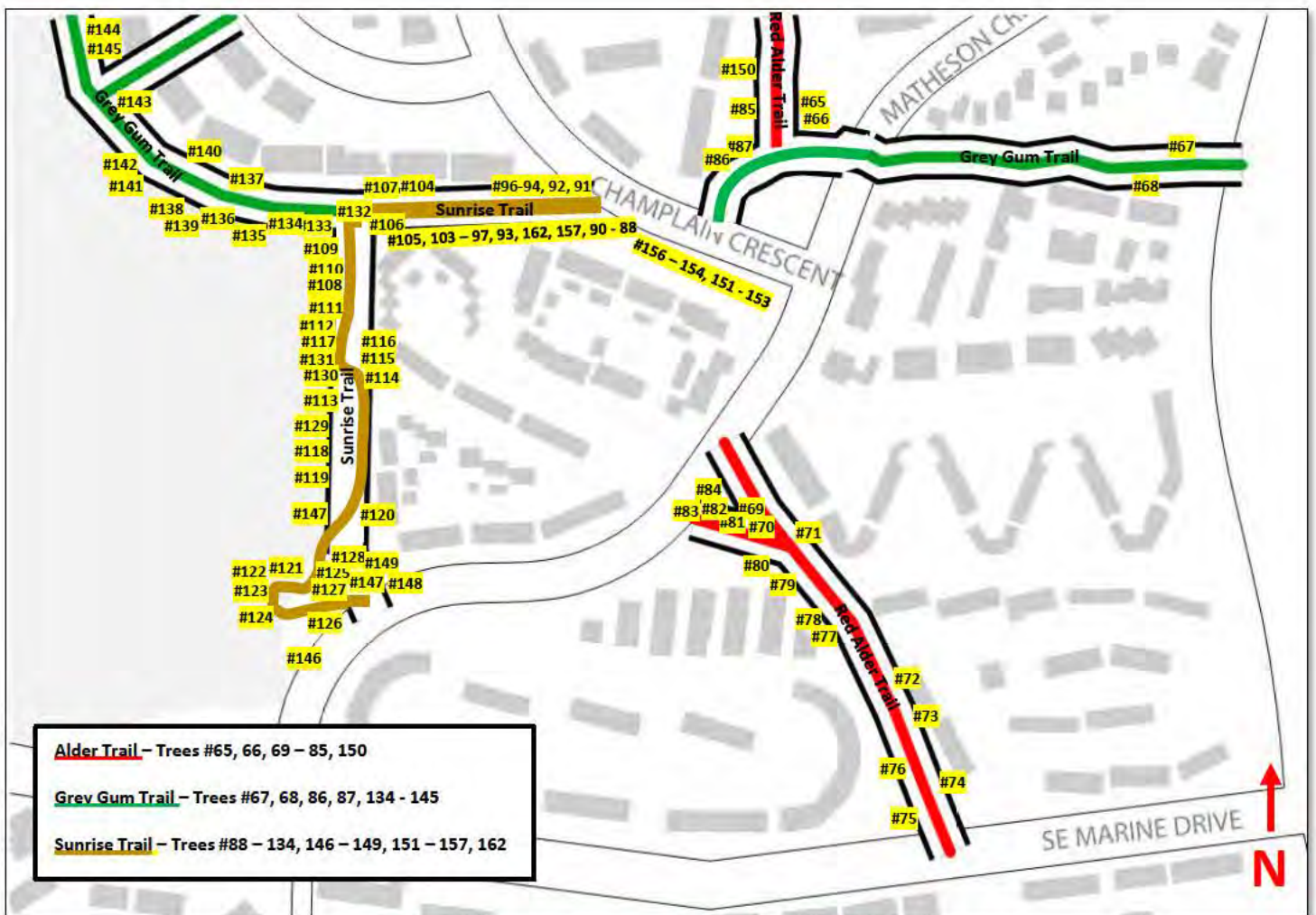




North Trails Assessed for Tree Risk Mitigation Work



Mid Trails Assessed for Tree Risk Mitigation Work



South Trails Assessed for Tree Risk Mitigation Work



North end of Red Alder Trail – Scale 1:1000



Red Alder Trail – Scale 1:1000



Red Alder Trail – Scale 1:1000



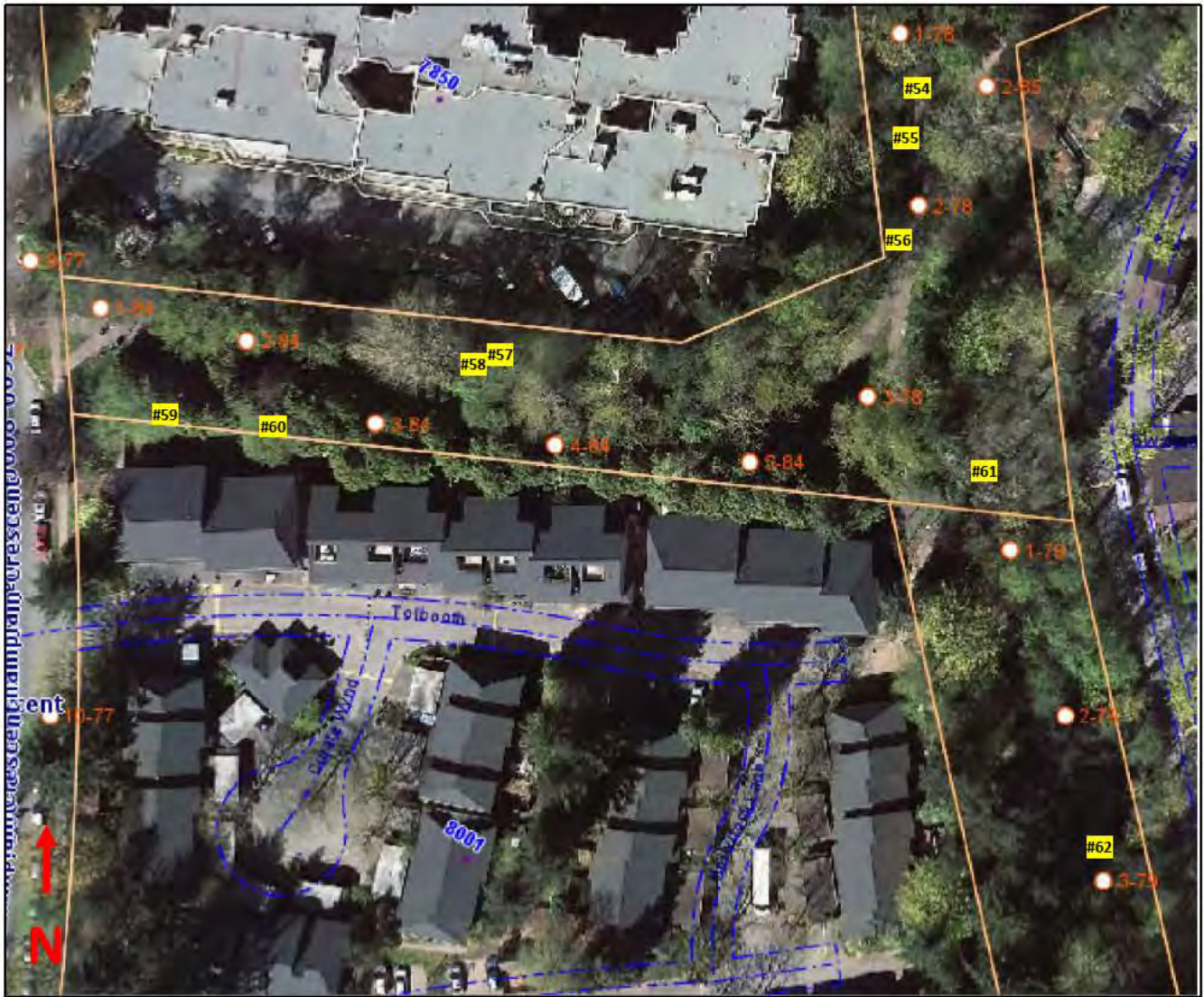
Birch Trail – Scale 1:1000



Black Cottonwood Trail – Scale 1:1000



Red Alder Trail (South of Black Cottonwood/Birch Trails) - Scale 1:1000



Fir Trail & Red Alder Trail, Scale 1:1000



Red Alder Trail, Scale 1:1000



Red Alder Trail / Park, Scale 1:1000



Grey Gum Trail, Scale 1:1000



Sunrise Trail, Scale 1:1000



Sunrise Trail, Scale 1:1000



South End of Sunrise Trail, Scale 1:1000



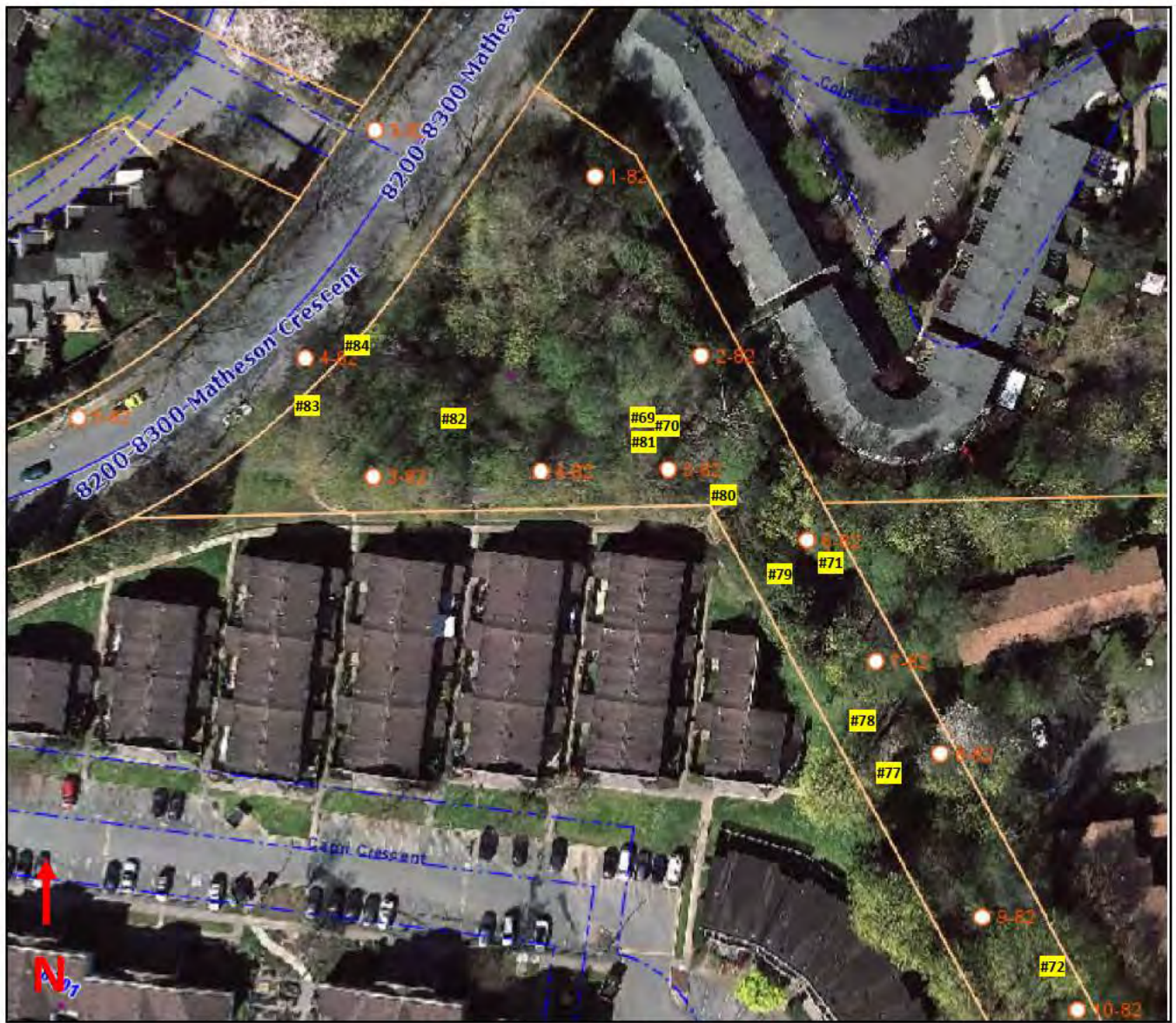
Grey Gum Trail West, Scale 1:1000



Grey Gum Trail, Scale 1:1000



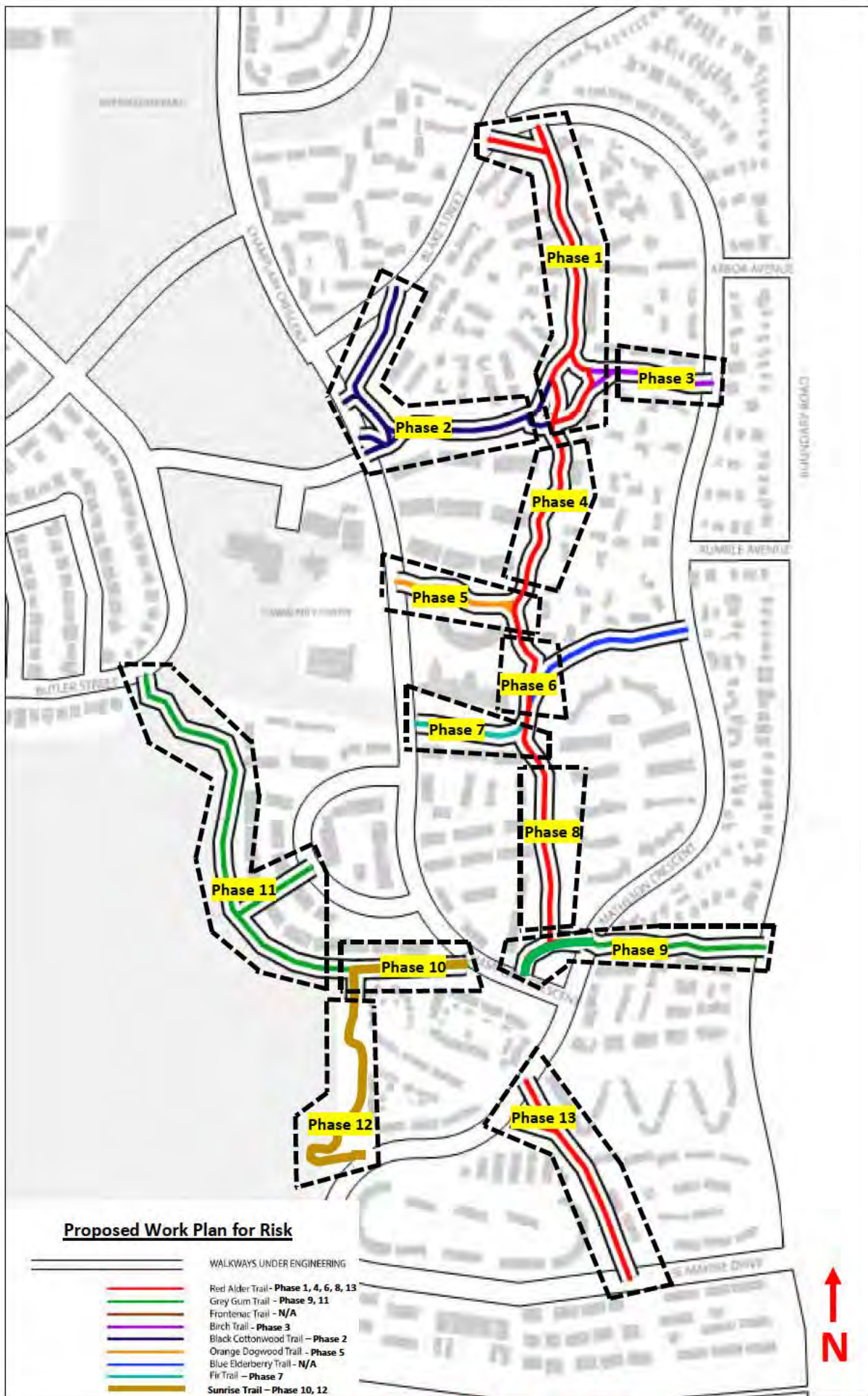
North end Grey Gum Trail, Scale 1:1000



Red Alder Trail South end, Scale 1:1000



End of Red Alder Trail, Scale 1:1000



Champlain Heights Proposed Work Plan - Not to Scale