Date: May 18, 2021 ACL File: 21154

Prepared by: Attn: Jeremy Hanson Norman Hol

Aplin and Martin

Principal and Senior Consultant

201 - 12448 82 Avenue Surrey, BC V3W 3E9 84 Avenue Connector

King George Blvd to 140 St Surrey BC

Re: **Preliminary Tree Inventory and Construction Impact Assessment**

Dear Mr. Hanson,

Project:

We have completed our initial tree inventory and assessment for the study area on this project and enclose preliminary drafts of the inventory and drawing for your reference in project planning and design. Based on the current project design (received May 18, 2021) we have summarized the tree impacts as follows:

Overall Inventory Data:

- Total of 183 Tagged Trees
- 178 Bylaw Sized Tagged Trees
- 5 Undersize Tagged Trees

Tree Removal Data to Accommodate Construction: (from Direct Conflicts)

- 90 Tagged Bylaw Sized Trees Proposed to be Removed
- 2 Tagged Undersize Trees Proposed to be Removed
- 94 Un-Tagged Undersize Trees to be Removed

Note: Protect trees consisting of 88 tagged bylaw sized trees and 3 tagged undersize trees in this preliminary submission will require further study to confirm their viability for preservation based on their pre-existing condition as well as considering potential indirect impacts from construction once the design is finalized. Additional trees may require inventory and assessment depending on the scope of the final project design.

Table 1. Preliminary Tree Retention/Removal Quantities by Species:

	Total	Remove	Retain
Alder and Cottonwood Species:			
Alder (Alnus rubra)	69	37	32
Cottonwood (Populus trichocarpa)	65	38	27
subtotal alder/cottonwood	134	<i>75</i>	59
Broadleaf Species:			
Bigleaf maple (Acer macrophyllum)	1	0	1
Paper birch (Betula papyrifera)	2	0	2
Apple (Malus sp.)	1	1	0
Bitter cherry (Prunus emarginata)	1	0	1
Oak (Quercus sp.)	1	0	1
Pin oak (Quercus palustris)	8	5	3
Cascara (Rhamnus purshiana)	11	6	5
subtotal broadleaf	25	12	13
Coniferous Species			
Austrian pine (Pinus nigra)	8	0	8
Western redcedar (Thuja plicata)	11	3	8
subtotal coniferous	19	3	16
Subtotal broadleaf and coniferous	44	15	29
TOTAL (including alder/cottonwood)	178	90	88



Perimeter Tree Management Strategy:

Additional trees along the perimeter of the road alignment may need to be removed, however further assessment will be required as the project advances in detailed design and then at the time of land clearing to identify the following issues/impacts before finalizing which trees require treatment. Some issues/impacts for trees located outside of the current expected construction footprint that we will be considering may include:

- Trees that are expected to have their roots or crowns impacted by cuts/fills, temporary access, other civil infrastructure and connections, or other construction needs unforeseen and/or still to be determined.
- Trees with defects sever enough to predispose the tree or parts of the tree to failure, and that are within striking range such
 that may pose risks to workers or users of the road. This will be best addressed after the final design is achieved and then
 re-assessed at the time of land clearing (i.e. danger trees or high risk hazard trees due to pre-existing defects and proximity
 to the work zones).
- Trees that are destabilized from the removal of adjacent trees to be cut within the construction footprint (i.e. danger trees or high risk hazard trees created by clearing and new exposure).

Note that the designation of whether a tree is to be retained/protected or removed is not included in appendix B, but shown on a preliminary basis on appendix C. Tree protection measures are not yet shown but are to be added once the design is finalized. We will remain on stand-by to advance our findings for impacts and mitigation as the project design advances.

Certified by;

ISA Certified Arborist #PN-0730A ISA Qualified Tree Risk Assessor (TRAQ) PNWISA Certified Tree Risk Assessor #0076 BC Certified Wildlife and Danger Tree Assessor #P2529

Land Surveying Technologist

ASCA Qualified Tree and Plant Appraiser (TPAQ)

Norman Hol, Company Principal and Senior Consultant

Enclosures;

Appendix A - excluded at this time

Appendix B – Tree Inventory List – PRELIMINARY

Appendix C - Tree Management Drawing (4 sheets) - PRELIMINARY



APPENDIX B: TREE INVENTORY LIST: (all dimensions are metric)

Tag/ID denotes the arborist tag # or serial ID number as referenced in report and drawing documentation.

Dbh denotes the trunk diameter in cm at 1.4 m above grade or to arboricultural standards (i.e. below scaff union). The dbh may be estimated or derived from survey data.

Multiple stems; attached above the root crown used trunk area method for equivalent single stem dbh; attached below the root crown references the largest stem.

Ht denotes the height of the tree in metres as measured or estimated by the assessor.

Spr denotes the spread RADIUS of the branches and foliage (dripline) in metres as measured or estimated by the assessor.

LCR denotes the live crown ratio based on percent of live crown observed in relation to a tree of normal form and with a full crown.

Class denotes the structural class of a tree. Landscape Trees; considers exposure: O denotes open, G denotes Grove, E denotes Edge

Forest Stand Trees; considers relative dominance, LCR and HT:DIA Ratio, and other factors (see below):

U denotes <u>Understory</u> (i.e. differs in sepcies from primary canopy or an emerging tree with reasonable form)

\$ denotes <u>Suppressed</u> (i.e. declining tree of primary canopy species, spindly taper, very low LCR (<30%) and usually not structurally viable along new forest edges)

I denotes Intermediate (i.e. poor trunk taper and low LCR (10 to 30%), dependent on stand level retention zones subject to windthrow analysis findings)

C denotes Codominant (i.e. moderate trunk taper and LCR (30 to 50%), potentially viable in stand level retention zones subject to windthrow analysis findings)

D denotes Dominant (i.e. stand anchoring, good trunk taper, moderate to full LCR (>50%), improtsant to stand/grove retention subject to windthrow analysis findings)

SE denotes Stand Edge (i.e. stand buffering trees of significance along pre-existing windfirm boundaries with fuller but sometimes asymmetric crown form)

Condition represents the Health and Structural characteristics as observed by arborist. VP denotes Very Poor, P denotes Poor, F denotes Fair, G denotes Good

Value rating considers Condition and Contribution to the proposed land use; VL denotes Very Low. L denotes Low, M denotes Medium, H denotes High, VH denotes Very High

Priority denotes preservation ranking for consideration in tree retention planning considering multiple factors including; condition, value rating, age, species, etc.

Priority rankings; 1, 2 and L (Low). NOTE; if prefix S is included, it denotes stand tree suitable for retention only with special measures and in grove/stand form.

Individual trees within forest stands are generally deemed Nil priority for selective retention except when sufficiently large stands are protected.

Assessment Findings includes; our summary of overt defects, noteworthy growing condition factors, preservation and protection considerations and treatment rationale.

Action denotes proposed treatment in context to the project design; RETAIN, REMOVE or PROTECT. Removal of Shared and Off-Site trees require owner consent.

CPZ and RPZ; arborist setbacks for Crown and Root protection (measured from centre of trunk). A WSS (working space setback) is additional to the RPZ (see drawing). All 3 form the Tree Protection Zone (TPZ).

6X Dbh is an arbitrary city guideline for minimum root protection, not a specification. The calcualation includes radius of the trunk and is dimensioned relative to the center of trunk. Use RPZ plus WSS.

Reference Bylaw: SURREY SURREY TREE PROTECTION BYLAW 2006 NO. 16100, AMMENDED DECEMBER 21, 2020

Minimum Bylaw Protected Tree Size: 30 cm DBH

Bylaw Minimum Tree Protection Setback: • Minimum barrier alignment is at dripline. • Minimum barrier detail is 6 x DBH.

Tag/ID	# of Trees	Ø	Common name, (<i>Botanical</i>)	Dbh (cm)	Ht (m)	Spr (m)	LCR (%)	Class	Condition	Value	Priority	Stand Y/N	Assessment Findings:	PRELIMINARY ACTION	CPZ (m)	RPZ (m)	6X Dbh (m)
554	1	N	Pin oak (Quercus palustris)	22	13	4.0	70	G	G	VH	1	N		PROTECT	4.0		1.4
555	1	N	Pin oak (Quercus palustris)	18	11	4.0	60	G	G	VH	1	N		PROTECT	4.0		1.2
556	1	N	Pin oak (Ouercus palustris)	16	11	4.0	60	G	G	VH	1	N		PROTECT	4.0		1.0



Tag/ID	# of T.co.	# or rices	Common name,	Dbh (cm)	Ht (m)	Spr (m)	LCR (%)	Class	Condition	Value	Priority	Stand Y/N	Assessment Findings:	PRELIMINARY ACTION	CPZ (m)	RPZ (m)	6X Dbh (m)
557	,		′ Pin oak (Quercus palustris)	30	16	4.0	70	G	G	VH	1	N		REMOVE			
558	3	1 Y	Black cottonwood (Populus x trichocarpa)	37	14	5.0	90	0	G	L	LOW	N	 DBH is representative of the largest of measured stems (37, 16cmø) at 1.4m above grade for protection setback calculation purposes. Openly grown; south side of fence 	REMOVE			
559)	1 Y	Oak sp. (Quercus sp.)	31	7	7.0	80	G	VG	VH	1	N	Private tree in strata on north side of fence	PROTECT	7.0		2.0
560	•	1 Y	Red alder (Alnus rubra)	84	17	7.0	60	SE	Р	L	S-LOW	Y	 Bifurcation at 1m above grade. One dead stem. Asymmetrical crown biased to the south 60% dieback 	REMOVE			
561	-	1 Y	Red alder (Alnus rubra)	38	17			SE	Р	L	S-LOW	Υ	 DBH is representative of the largest of measured stems (38, 35cmø) at 1.4m above grade for protection setback calculation purposes. These two stems are snags. 	PROTECT			2.5
562	2	1 Y	' Red alder (Alnus rubra)	42	20	5.0	60	SE	Р	L	S-LOW	Y	Basal rot.Leader failure (broken and hanging).	PROTECT	5.0		2.7
563	3	1 Y	' Red alder (Alnus rubra)	53.6	20	4.0	40	С	G	L	S-LOW	Y	 DBH of a single stem equivalent is calculated based on the area of measured stems (35+25+32cmø) at 1.4m above grade for protection setback calculation purposes. Multiple branch failure throughout. One stem leaning towards proposed road centerline with no correction; crowns not merged. 	PROTECT	4.0		3.5
564	Ļ	1 Y	Red alder (Alnus rubra)	32	17	3.0	30	I	Р	L	S-LOW	Y	Dead and broken top.	PROTECT	3.0		2.1



Tag/ID	# of Trees	Bylaw Y/N	Common name, (<i>Botanical</i>)	Dbh (cm)	Ht (m)	Spr (m)	LCR (%)	Class	Condition	Value	Priority	Stand Y/N	Assessment Findings:	PRELIMINARY ACTION	CPZ (m)	RPZ (m)	6X Dbh (m)
565	1		Red alder (Alnus rubra)	51.2	20	5.0	70	SE	G	L	S-LOW	Y	 DBH of a single stem equivalent is calculated based on the area of measured stems (32+40cmø) at 1.4m above grade for protection setback calculation purposes. Crown biased to the south. One stem near base of trunk broke off causing decay. 	PROTECT	5.0		3.3
566	1	Υ	Red alder (Alnus rubra)	30	19	5.0	60	SE	G	L	S-LOW	Υ	Large crook at 7m.Crown biased to the south.	PROTECT	5.0		2.0
567	1	Y	Red alder (Alnus rubra)	36.1	20	4.0	70	SE	P	L	S-LOW	Y	 DBH of a single stem equivalent is calculated based on the area of measured stems (24+27cmø) at 1.4m above grade for protection setback calculation purposes. Co-dominant stems (east-west) at 0.3m above grade. Thin foliage. Historic scaffold branch failure 	REMOVE			
568	1	Y	Red alder (Alnus rubra)	35	20	5.0	60	SE	Р	L	S-LOW	Υ	Leaning to the south.Historic stem failure.Upper crown branch failure.	REMOVE			
569	1	Υ	Red alder (Alnus rubra)	45	21	5.0	70	SE	Р	L	S-LOW	Y	 15% dieback. Multiple leaders starting from 10m up. Crown merged with #570. Crown biased to the south. 	REMOVE			
570	1	Y	Red alder (Alnus rubra)	46	20	5.0	70	SE	G	L	S-LOW	Y	 Old scar at 4m above grade. Old nest (or nest-like) at 2m above grade. Leaning to the south. Upper crown dieback 10-20%. Crown biased to the south. Crown merged with #569. 	REMOVE			



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Tag/ID	# of Trees	Bylaw Y/N	Common name, (<i>Botanical</i>)	Dbh (cm)	Ht (m)	Spr (m)	LCR (%)	Class	Condition	Value	Priority	Stand Y/N	Assessment Findings:	PRELIMINARY ACTION	CPZ (m)	RPZ (m)	6X Dbh (m)
571	1		Red alder	31	6	3.0	30	SE	Р	L	S-LOW	Y	Main stem is dead.	REMOVE			
			(Alnus rubra)										Smaller stem is green but has structural issues.				
572	1		Red alder (Alnus rubra)	37	18	3.0	40	С	Р	L	S-LOW	Y	 Co-dominant stems at 7m above grade. Dead top. 	REMOVE			
			(Allias rabia)										Branch failure in the upper crown.				
													One failed stem causing decay column.				
573	1	v	Red alder	30	18	3.0	40	С	Р		S-LOW	V	Crook at 3m above grade.	REMOVE			
3/3	_		(Alnus rubra)	50	10	3.0	40	O	'	_	3-LOW	٠	• Dead top.	KLWOVE			
													Branch failure.				
													Knots and kinks on branches.				
574	1	Υ	Red alder	43	18	6.0	60	SE	Р	L	S-LOW	Υ	Stem failure.	REMOVE			
			(Alnus rubra)										Decay cavity at 3m above grade.Upper crown dieback.				
													Epicormic growth on lower stem.				
575	1		Cascara buckthorn	38	16	6.0	60	SE	Р	VL	S-2	Υ	Lean corrected at 1.5m.	REMOVE			
			(Rhamnus purshiana)										Butt rot. Branch and stem failure.				
													Epicormic growth on lower stem.				
													Decay of scaffold branches.				
576	1		Red alder (Alnus rubra)	31	15	4.0	40	SE	Р	L	S-LOW	Y	Broken top at 8m above grade.Leaning to the south.	REMOVE			
			(• 15% dieback.				
577	1		Red alder	42	20	5.0	70	SE	Р	L	S-LOW	Υ	Dead top.	PROTECT	5.0		2.7
			(Alnus rubra)										20% dieback overall.				



Tag/ID	# of Trees	Bylaw Y/N	Common name, (<i>Botanical</i>)	Dbh (cm)	Ht (m)	Spr (m)	LCR (%)	Class	Condition	Value	Priority	Stand Y/N	Assessment Findings:	PRELIMINARY ACTION	CPZ (m)	RPZ (m)	6X Dbh (m)
578	1	Υ	Red alder (Alnus rubra)	30	12	4.0	40	SE	Р	L	S-LOW	Υ	Dead top causing decay.	REMOVE			
579	1	Y	Red alder (Alnus rubra)	30	18	4.0	70	SE	G	L	S-LOW	Y	 Historic stem failure. 20-30% dieback in the upper crown. Leaning to the south.	REMOVE			
580	1	Y	Cascara buckthorn (Rhamnus purshiana)	61.8	20	8.0	60	SE	Р	VL	S-2	Υ	 DBH of a single stem equivalent is calculated based on the area of measured stems (39+48cmø) at 1.4m above grade for protection setback calculation purposes. Leaning to the south. Both stems rotten at base. Frass. Failure of scaffold branches causing decay column. Reactive growth forming part of the crown. 25% dieback overall. 	REMOVE			
581	1	Y	Black cottonwood (Populus x trichocarpa)	33	23	7.0	80	SE	G	L	S-LOW	Y	 One of the co-dominant stems at ground level failed and rotten (girdled by beavers). Multiple crooks. 	REMOVE			
582	1	Y	Black cottonwood (Populus x trichocarpa)	98	38	8.0	80	D	F	L	S-LOW	Υ	Scaffold branch failure.	REMOVE			
583	1	Υ	Western redcedar (Thuja plicata)	31	10			S	VP	VL	S-LOW	Υ	 1/3 stem diameter girdled by beaver Deep checks on stem. Dying 	REMOVE			
584	1	Y	Black cottonwood (Populus x trichocarpa)	84	40	9.0	80	SE	G	L	S-LOW	Υ	Asymmetrical crown biased to the west.	REMOVE			



282 Tag/ID	# Of Trees	∠ Bylaw Y/N		(mo) ugg	(m) H 15	3.0 3.0	OP CCR (%)	Class	- Condition	_ Value	S-LOW Priority	< Stand Y/N	Assessment Findings: • Crook at 2m above grade.	PRELIMINARY ACTION PROTECT	3.0	RPZ (m)	(w) (QX Dph (m)
	-		(Alnus rubra)	-		0.0	.0	0-		_	0 20	•	Dead and broken top.		0.0		
586	1	L Y	Black cottonwood (Populus x trichocarpa)	90	41	9.0	50	D	G	L	S-LOW	Y	 Crown biased to the northwest. Historic scaffold branch failure.	PROTECT	9.0		5.9
587	1	Y	Black cottonwood (Populus x trichocarpa)	84	39	8.0	50	D	P	L	S-LOW	Y	 Adjacent to trail. Recent failure of large scaffold branch. Broken top at 17m above grade (partially attached, bending towards the walking trail, creating an overhead hazard). 	PROTECT	8.0		5.5
588	1	L Y	Western redcedar (Thuja plicata)	52	18	4.0	50	SE	Р	VL	S-2	Y	Dead top (no foliage from 7m up).Bottle butt.	PROTECT	4.0		3.4
589	1	. Y	Black cottonwood (Populus x trichocarpa)	84	38	6.0	60	D	G	L	S-LOW	Y	Historic branch failure.	PROTECT	6.0		5.5
590	2	L Y	Black cottonwood (Populus x trichocarpa)	54	26	8.0	60	SE	G	L	S-LOW	Y	Adjacent to walking trail.Historic branch failure.	REMOVE			
591	2	L Y	Black cottonwood (Populus x trichocarpa)	90	33	6.0	70	SE	G	L	S-LOW	Y	Adjacent to walking trail.Historic branch failure.	REMOVE			
592	1	. Y	Black cottonwood (Populus x trichocarpa)	44	25	4.0	70	SE	G	L	S-LOW	Υ	Adjacent to walking trail.Historic branch failure.	REMOVE			

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Tag/ID	# of Trees	Bylaw Y/N	Common name, (<i>Botanical</i>)	Dbh (cm)	Ht (m)	Spr (m)	LCR (%)	Class	Condition	Value	Priority	Stand Y/N	Assessment Findings:	PRELIMINARY ACTION	CPZ (m)	RPZ (m)	6X Dbh (m)
593	1	Υ	Cascara buckthorn	38	15	4.0	50	SE	Р	VL	S-2	Υ	Extensive rot in the lower stem.	REMOVE			
			(Rhamnus purshiana)										Bifurcation at 1.6m.Broken and hanging stems.				
594	1	Y	Cascara buckthorn (Rhamnus purshiana)	37	18	4.0	50	SE	Р	VL	S-2	Y	 Multiple stems. Leaning to the northeast. Cavity at 1.5m (from breakage of old stem). 	REMOVE			
595	1	Y	Cascara buckthorn (Rhamnus purshiana)	31	18	3.0	50	SE	G	М	S-1	Y	 Bifurcation at 1.4m above grade. Multiple leaders; leaning to the northeast. 	REMOVE			
596	1	Y	Red alder (Alnus rubra)	32	13	6.0	70	SE	Р	L	S-LOW	Y	Dead and broken top.	REMOVE			
597	1	Y	Red alder (Alnus rubra)	30	17	5.0	70	SE	G	L	S-LOW	Y		REMOVE			
598	1	Y	Red alder (Alnus rubra)	31	12	5.0	30	SE	Р	L	S-LOW	Y	Dead and broken top.	REMOVE			
599	1	Y	Western redcedar (Thuja plicata)	53	18	5.0	10	SE	Р	VL	S-2	Y	• Dying.	PROTECT	5.0		3.4
600	1	Y	Black cottonwood (Populus x trichocarpa)	56	30	6.0	60	SE	G	L	S-LOW	Y	Crown biased to the south.	REMOVE			
601	1	Y	Black cottonwood (Populus x trichocarpa)	79	37	9.0	70	SE	G	L	S-LOW	Y	Crown biased to the south.	REMOVE			
602	1	Y	Black cottonwood (Populus x trichocarpa)	78	37	10.0	50	D	G	L	S-LOW	Y	Crown biased to the south.	PROTECT	10.0		5.1
603	1	Y	Black cottonwood (Populus x trichocarpa)	89	37	11.0	50	D	Р	L	S-LOW	Y	40% dieback.Butt rot.	PROTECT	11.0		5.8



Tag/ID	# of Trees	Bylaw Y/N	Common name, (<i>Botanical</i>)	Dbh (cm)	Ht (m)	Spr (m)	LCR (%)	Class	Condition	Value	Priority	Stand Y/N	Assessment Findings:	PRELIMINARY ACTION	CPZ (m)	RPZ (m)	6X Dbh (m)
604	1	Y	Western redcedar (Thuja plicata)	49	21	4.0	80	SE	P	VL	S-2	Y	40% dieback.Bottle butt.Crown merged with #605.	PROTECT	4.0		3.2
605	1	Y	Western redcedar (Thuja plicata)	58	21	5.0	80	SE	G	M	S-1	Y	Bottle butt.Crown merged with #604.	PROTECT	5.0		3.8
606			(Populus x trichocarpa)	80		11.0		SE	G	L	S-LOW		Co-dominant stems at 15m above grade.	PROTECT	11.0		5.2
607			Red alder (Alnus rubra) Black cottonwood	32 55	38	5.0	50 60	I SE	P G	L	S-LOW S-LOW		Decay cavity.Leaning to the south.	PROTECT	4.0 5.0		3.6
609	4	V	(Populus x trichocarpa) Black cottonwood	52	27	15.0	FO	0	0		LOW	N	 Mid crown: thin foliage. Currently exposed. 	REMOVE			
610			(Populus x trichocarpa) Black cottonwood (Populus x trichocarpa)			12.0	50 50	G G	G G	L	LOW	N	Leader is bending to the east.	REMOVE			
611	1	Y	Black cottonwood (Populus x trichocarpa)	112	37	11.0	50	G	G	L	LOW	N	Co-dominant stems at 1m above grade.	REMOVE			
612	1	Y	Black cottonwood (Populus x trichocarpa)	67	37	15.0	50	G	G	L	LOW	N	• Crooked.	REMOVE			
613	1	Υ	Black cottonwood (Populus x trichocarpa)	40	37	7.0	50	G	G	L	LOW	N	Crooked.	REMOVE			



Tag/ID	# of Trees	Bylaw Y/N	Common name, (<i>Botanical</i>)	Dbh (cm)	Ht (m)	Spr (m)	LCR (%)	Class	Condition	Value	Priority	Stand Y/N	Assessment Findings:	PRELIMINARY ACTION	CPZ (m)	RPZ (m)	6X Dbh (m)
614	1	Υ	Cascara buckthorn (Rhamnus purshiana)	57	17	7.0	50	SE	Р	VL	S-2	Y	Multiple leaders.Historic scaffold branch and stem failure causing butt and stem rot.	PROTECT	7.0		3.7
615	1	Υ	Red alder (Alnus rubra)	42	15	5.0	40	SE	G	L	S-LOW	Y	 Co-dominant stems at 1.5m above grade with bark inclusion. Historic branch failure causing decay pockets. 	PROTECT	5.0		2.7
616	1	Y	Western redcedar (Thuja plicata)	78.5	5 22	7.0	80	SE	VG	Н		Υ	 DBH of a single stem equivalent is calculated based on the area of measured stems (44+65cmø) at 1.4m above grade for protection setback calculation purposes. Limb-tied. Crown biased to the southeast. 	PROTECT	7.0		5.1
617	1	Y	Cascara buckthorn (Rhamnus purshiana)	45	22	7.0	50	SE	G	М	S-1	Y	 Multiple leaders. Decay from scaffold branch failure.	PROTECT	7.0		2.9
618	1	Y	Paper birch (Betula papyrifera)	30	12	4.0	20	SE	VP	VL	S-LOW	Y	 Mostly dead. Conked. Snag with one small live branch.	PROTECT	4.0		2.0
619	1	Y	Cascara buckthorn (Rhamnus purshiana)	31	17	5.0	40	SE	G	М	S-1	Y		PROTECT	5.0		2.0
620	1	Y	Paper birch (Betula papyrifera)	30	13	3.0	15	SE	Р	VL	S-2	Y	Decay cavity on stem.Dead top.	PROTECT	3.0		2.0
621	1	Y	Western redcedar (Thuja plicata)	55	18	4.0	15	SE	Р	VL	S-2	Y	• Dead top.	PROTECT	4.0		3.6

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Tag/ID	# of Trees	Bylaw Y/N	Common name, (<i>Botanical</i>)	Dbh (cm)	Ht (m)	Spr (m)	LCR (%)	Class	Condition	Value	Priority	Stand Y/N	Assessment Findings:	PRELIMINARY ACTION	CPZ (m)	RPZ (m)	6X Dbh (m)
622	1	Υ	Cascara buckthorn (Rhamnus purshiana)	41.4	17	4.0	50	SE	G	M	S-1	Y	 DBH of a single stem equivalent is calculated based on the area of measured stems (39+14cmø) at 1.4m above grade for protection setback calculation purposes. Historic branch failure. 	REMOVE			
623	1	Y	Black cottonwood (Populus x trichocarpa)	65	37	10.0	60	С	G	L	S-LOW	Y	Historic branch failure.	REMOVE			
624	1	Y	Black cottonwood (Populus x trichocarpa)	57.1	37	8.0	60	SE	G	L	S-LOW	Y	 DBH of a single stem equivalent is calculated based on the area of measured stems (31+48cmø) at 1.4m above grade for protection setback calculation purposes. Historic branch failure. 	REMOVE			
625	1	Y	Black cottonwood (Populus x trichocarpa)	39	37	7.0	60	SE	G	L	S-LOW	Y	Historic branch failure.	REMOVE			
626	1	Y	Black cottonwood (Populus x trichocarpa)	41	37	7.0	30	С	G	L	S-LOW	Y	Historic branch failure.	REMOVE			
627	1	Y	Black cottonwood (Populus x trichocarpa)	30	13	5.0	20	S	Р	L	S-LOW	Y	Historic branch failure.Broken top at 13m.	REMOVE			
628	1	Υ	Black cottonwood (Populus x trichocarpa)	62	40	13.0	60	SE	G	L	S-LOW	Y	 DBH of a single stem equivalent is calculated based on the area of measured stems (38+49cmø) at 1.4m above grade for protection setback calculation purposes. Crown biased to the south. Co-dominant stems at 0.2m above grade 	PROTECT	13.0		4.0
629	1	Y	Black cottonwood (Populus x trichocarpa)	70	40	14.0	60	SE	G	L	S-LOW	Y	 Crown biased to the south. Slight dieback on the north side. Buttress roots on the north and northwest side. 	PROTECT	14.0		4.6



Tag/ID	# of Troos	Bylaw Y/N	Common name, (<i>Botanical</i>)	Dbh (cm)	Ht (m)	Spr (m)	LCR (%)	Class	Condition	Value	Priority	Stand Y/N	Assessment Findings:	PRELIMINARY ACTION	CPZ (m)	RPZ (m)	6X Dbh (m)
630	-	L Y	Black cottonwood (Populus x trichocarpa)	50	37	10.0	50	С	G	L	S-LOW	Υ	 Treat #630 - #632 cohesively. Root crown contact and limb-tied. Butt rot from historic stem failure. 	PROTECT	10.0		3.3
631	É	L Y	Black cottonwood (Populus x trichocarpa)	52	37	11.0	50	С	G	L	S-LOW	Υ	 Treat #630 - #632 cohesively. Root crown contact and limb-tied. 	PROTECT	11.0		3.4
632	<u>-</u>	L Y	Black cottonwood (Populus x trichocarpa)	30	37	10.0	50	С	G	L	S-LOW	Y	 Treat #630 - #632 cohesively. Root crown contact and limb-tied. 	PROTECT	10.0		2.0
633	=	L Y	Cascara buckthorn (Rhamnus purshiana)	58.9	13	11.0	25	SE	P	VL	S-2	Y	 DBH of a single stem equivalent is calculated based on the area of measured stems (32+26+42cmø) at 1.4m above grade for protection setback calculation purposes. Historic failed branches causing decay cavities at 1.2m, 2m and 3.5m above grade. Crown biased to the south. Triple stems originating at 0.4m above grade 	PROTECT	11.0		3.8
634	=	L Y	Bitter cherry (Prunus emarginata)	52	10	7.0	20	SE	P	VL	S-2	Y	 60% dieback. Recent scaffold branch and stem failure. One of the co-dominant stems broke off creating entry for disease causing pathogen. Crown biased to the southwest. 	PROTECT	7.0		3.4
635	-	L Y	Black cottonwood (Populus x trichocarpa)	70	39	10.0	50	SE	G	L	S-LOW	Y		PROTECT	10.0		4.6
636	-	L Y	Cascara buckthorn (Rhamnus purshiana)	33	16	4.0	30	SE	Р	VL	S-2	Y	35% dieback.Bifurcation at 6m above grade, with one failed leader.Leaning to the north corrected at 6m.	PROTECT	4.0		2.1



Tag/ID	# of Trees	Bylaw Y/N	Common name, (<i>Botanical</i>)	Dbh (cm)	Ht (m)	Spr (m)	LCR (%)	Class	Condition	Value	Priority	Stand Y/N	Assessment Findings:	PRELIMINARY ACTION	CPZ (m)	RPZ (m)	6X Dbh (m)
637	1			35	18	6.0	20	SE	Р	L	S-LOW	Y	60% dieback. Failing.	PROTECT	6.0		2.3
638	1	. Y	Red alder (Alnus rubra)	36	18	4.0	20	S	Р	L	S-LOW	Υ	50% dieback.Leaning to the southwest, corrected at 7m.	PROTECT	4.0		2.3
639	1	. Y	Black cottonwood (Populus x trichocarpa)	62	40	11.0	60	D	G	L	S-LOW	Y	Crown biased to the south and southeast.	PROTECT	11.0		4.0
640	1	. Y	Black cottonwood (Populus x trichocarpa)	36	38	5.0	50	С	G	L	S-LOW	Y		REMOVE			
641	1	. N	Western redcedar (Thuja plicata)	26	12	4.0	80	S	VG	Н		Y	Sweep.Undersize.	REMOVE			
642	1	. Y	Red alder (Alnus rubra)	33	23	3.0	20	I	Р	L	S-LOW	Υ	Upper crown dieback.One of the two stems is dead.	REMOVE			
643	1	. Y	Western redcedar (Thuja plicata)	54	20	5.0	20	I	Р	VL	S-LOW	Y	Dead top.Bottle butt.Butt rot from sounding.	REMOVE			
644	1	. Y	Western redcedar (Thuja plicata)	72	20	5.0	30	С	Р	VL	S-LOW	Υ	Dead top.Bottle butt.	REMOVE			
645	1	. Y	Red alder (Alnus rubra)	35	22	6.0	20	С	Р	L	S-LOW	Υ	 DBH is representative of the largest of measured stems (34, 35cmø) at 1.4m above grade for protection setback calculation purposes. Co-dominant stems at ground level. Severe decay noted on one stem. 	REMOVE			

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• Leaning to the southeast.



Tag/ID	# of Trees	Bylaw Y/N	Common name, (<i>Botanical</i>)	Dbh (cm)	Ht (m)	Spr (m)	LCR (%)	Class	Condition	Value	Priority	Stand Y/N	Assessment Findings:	PRELIMINARY ACTION	CPZ (m)	RPZ (m)	6X Dbh (m)
646	1	Y	Apple (Malus sp.)	34	14	12.0	70	S	G	M	S-LOW	Υ	Bifurcation at 1.5m above grade.Historic branch failure.	REMOVE			
647	1	Y	Red alder (Alnus rubra)	33	19	3.0	40	I	G	L	S-LOW	Y	• Leaning to the south.	REMOVE			
648	1	Y	Red alder (Alnus rubra)	33	8			I	VP	L	S-LOW	Y	8m tall snag leaning to the south.	REMOVE			
649	1	Y	Western redcedar (Thuja plicata)	71	31	6.0	80	С	Р	VL	S-LOW	Y	 Uprooted towards the north. Upper crown contact with #650 (result of uprooting/severe lean). Bottle Butt. 	PROTECT	6.0		4.6
650	1	Y	Black cottonwood (Populus x trichocarpa)	85	37	15.0	70	D	Р	L	S-LOW	Y	 Upper crown contact with #649 (result of uprooting of #649). Failed leader. 	PROTECT	15.0		5.5
651	1	Υ	Western redcedar (Thuja plicata)	61	17	6.0	80	S	G	M	S-LOW	Y	• Crown merged with #652.	PROTECT	6.0		4.0
652	1	Υ	Black cottonwood (Populus x trichocarpa)	75	39	8.0	50	D	G	L	S-LOW	Υ	Crown biased to the southeast, merged with #651.	PROTECT	8.0		4.9
653	1	Y	Black cottonwood (Populus x trichocarpa)	93	38	13.0	40	С	G	L	S-LOW	Y	 Historic scaffold branch failure causing decay. Asymmetrical crown biased to the north.	PROTECT	13.0		6.0
654	1	Y	Black cottonwood (Populus x trichocarpa)	71	38	6.0	60	SE	G	L	S-LOW	Y	Crown biased to the southwest	PROTECT	6.0		4.6
655	1	Y	Red alder (Alnus rubra)	36.1	20	6.0	50	I	G	L	S-LOW	Y	 DBH of a single stem equivalent is calculated based on the area of measured stems (27+24cmø) at 1.4m above grade for protection setback calculation purposes. Co-dominant stems at 0.5m above grade. 	REMOVE			

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Tag/ID	# of Trees	<u> </u>		Dbh (cm)	Ht (m)	Spr (m)	LCR (%)	Class	Condition	Value	Priority	Stand Y/N	Assessment Findings:	PRELIMINARY ACTION	CPZ (m)	RPZ (m)	6X Dbh (m)
656	1	Y	Red alder (Alnus rubra)	31	20	3.0	50	I	G	L	S-LOW	Υ		REMOVE			
657	1	Y	Red alder (Alnus rubra)	33	21			I	VP	L	S-LOW	Y	• Dead	PROTECT			2.1
658	1	Y	Black cottonwood (Populus x trichocarpa)	34	16	6.0	50	С	Р	L	S-LOW	Y	 Limb-tied and root crown contact with #659 Frost crack from ground to 1.5m up. Broken top at 16m. 	PROTECT	6.0		2.2
659	1	Y	Black cottonwood (Populus x trichocarpa)	80	37	11.0	60	D	G	L	S-LOW	Y	 15% dieback. Asymmetrical crown biased to the south. Crook at 11m. Canopy gap to the north and south. Historic scaffold branch failure. 	PROTECT	11.0		5.2
660	1	Y	Black cottonwood (Populus x trichocarpa)	85	37	13.0	50	D	G	L	S-LOW	Y	 2 main leaders. Crown merged with #661.	REMOVE			
661	1	Y	Black cottonwood (Populus x trichocarpa)	50	30	7.0	50	I	G	L	S-LOW	Y	Crook at 8m.Crown biased to the southwest.	REMOVE			
662	1	Υ	Red alder (Alnus rubra)	32	16	4.0	15	S	Р	L	S-LOW	Y	Dead top.Crooked.	REMOVE			
663	1	Υ	Black cottonwood (Populus x trichocarpa)	77	40	10.0	70	D	G	L	S-LOW	Y	Crown merged with #664.Epicormic growth.	REMOVE			
664	1	Y	Black cottonwood (Populus x trichocarpa)	67	28	10.0	60	С	G	L	S-LOW	Y	Crown merged with #663.Epicormic growth.	REMOVE			



Tag/ID	# of Trees	Bylaw Y/N	Common name, (<i>Botanical</i>)	Dbh (cm)	Ht (m)	Spr (m)	LCR (%)	Class	Condition	Value	Priority	Stand Y/N	Assessment Findings:	PRELIMINARY ACTION	CPZ (m)	RPZ (m)	6X Dbh (m)
665	1	Y	Black cottonwood (Populus x trichocarpa)	31	28	3.0	70	SE	Р	L	S-LOW	Y	 Crook at 18m. Broken top at 28m.	PROTECT	3.0		2.0
666	1	Y	Black cottonwood (Populus x trichocarpa)	36	23	5.0	60	I	G	L	S-LOW	Y	Crook at 8m.Crown biased to the south.	REMOVE			
667	1	Υ	Black cottonwood (Populus x trichocarpa)	48	30	7.0	40	SE	G	L	S-LOW	Υ	Leaning to the southwest.Limb-tied with #668.	PROTECT	7.0		3.1
668	1	Υ	Black cottonwood (Populus x trichocarpa)	63	37	10.0	40	SE	G	L	S-LOW	Υ	• Limb-tied with #667.	PROTECT	10.0		4.1
669	1	Y	Black cottonwood (Populus x trichocarpa)	32	37	7.0	60	SE	G	L	S-LOW	Y	Crown merged with #670.	PROTECT	7.0		2.1
670	1	Y	Black cottonwood (Populus x trichocarpa)	73	39	12.0	60	SE	G	L	S-LOW	Y	Crown merged with #669.	PROTECT	12.0		4.7
671	1	Y	Red alder (Alnus rubra)	38	18			I	VP	L	S-LOW	Y	Dead.Sweep.	REMOVE			
672	1	Y	Red alder (Alnus rubra)	38	18	5.0	50	I	G	L	S-LOW	Υ	Leaning to the south corrected at 7m.20-30% dieback.	REMOVE			
673	1	Y	Black cottonwood (Populus x trichocarpa)	77	40	13.0	70	SE	G	L	S-LOW	Υ	• Crown merged with #674.	REMOVE			
674	1	Y	Black cottonwood (Populus x trichocarpa)	32	32	6.0	60	SE	Р	L	S-LOW	Y	Historic stem failure causing decay column at 3m above grade.	REMOVE			
675	1	Y	Black cottonwood (Populus x trichocarpa)	72	39	10.0	70	SE	G	L	S-LOW	Y		REMOVE			



Tag/ID	# of Trees	B		Dph (cm)	Ht (m)	Spr (m)	CR (%)	- Class	Condition	- Value	Priority	Stand Y/N	Assessment Findings:	PRELIMINARY ACTION	CPZ (m)	RPZ (m)	(m) ugg x9
676	1	Y	Red alder	37	23	3.0	10	I	Р	L	S-LOW	Y		PROTECT	3.0		2.4
677	1	Y	(Alnus rubra) Red alder (Alnus rubra)	39	20	5.0	30	I	Р	L	S-LOW	Υ	 Decay from ground level to 10m up on the stem. 30% dieback. Crooked. Leaning to the northwest corrected at 8m. Bifurcation at 10m. Dead top. 	PROTECT	5.0		2.5
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678	1	Υ	Red alder (Alnus rubra)	30	20	4.0	30	I	Р	L	S-LOW	Υ	20% dieback.Leaning to the northwest corrected at 10m.Dead top.	PROTECT	4.0		2.0
679	1	Y	Red alder (Alnus rubra)	56.6	19	6.0	30	С	P	L	S-LOW	Y	 DBH of a single stem equivalent is calculated based on the area of measured stems (39+41cmø) at 1.4m above grade for protection setback calculation purposes. Decay cavity and fruiting bodies at 1.5m above grade. Co-dominant stems at 0.5m above grade. Leaning to the north. Broken stem at 17m. 	PROTECT	6.0		3.7
680	1	Y	Red alder (Alnus rubra)	32	18	7.0	20	I	Р	L	S-LOW	Y	 Crotch rot at 8m above grade. Historic branch failure causing decay at 6m above grade. 	PROTECT	7.0		2.1
681	1	Y	Red alder (Alnus rubra)	33	21	7.0	30	I	Р	L	S-LOW	Y	 Leaning to the southeast corrected at 5m. 20-30% dieback. Decay cavity from 5-7m above grade. 	REMOVE			
682	1	Y	Red alder (Alnus rubra)	34	21	6.0	40	I	Р	L	S-LOW	Y	30% dieback.Dead top.Leaning to the south corrected at 6m.	REMOVE			



Tag/ID	# of Trees	Bylaw Y/N	Common name, (<i>Botanical</i>)	Dbh (cm)	Ht (m)	Spr (m)	LCR (%)	Class	Condition	Value	Priority	Stand Y/N	Assessment Findings:	PRELIMINARY ACTION	CPZ (m)	RPZ (m)	6X Dbh (m)
683	1	Υ	Red alder (Alnus rubra)	36	19	5.0	40	I	Р	L	S-LOW	Y	Upper crown dieback 30-40%.	PROTECT	5.0		2.3
684	1	Υ	Red alder (Alnus rubra)	30	19	4.0	50	I	G	L	S-LOW	Υ	• 20% dieback	REMOVE			
685	1	Y	Red alder (Alnus rubra)	32	18	3.0	40	I	G	L	S-LOW	Y	• 20% dieback.	REMOVE			
686	1	Y	Red alder (Alnus rubra)	43	14			I	VP	L	S-LOW	Y	Dead with broken top.	PROTECT			2.8
687	1	Υ	Black cottonwood (Populus x trichocarpa)	80	38	13.0	60	SE	G	L	S-LOW	Y	Crown biased to the southwest.Sparse ALN beyond and in vicinity.	PROTECT	13.0		5.2
688	1	Υ	Red alder (Alnus rubra)	42	30	5.0	50	I	Р	L	S-LOW	Υ	 Bifurcation at 4m above grade. One stem with broken top. Severe upper crown dieback. 	REMOVE			
689	1	Y	Black cottonwood (Populus x trichocarpa)	66	38	10.0	60	SE	G	L	S-LOW	Y		REMOVE			
690	1	Y	Black cottonwood (Populus x trichocarpa)	78	40	11.0	60	SE	G	L	S-LOW	Y		REMOVE			
691	1	Υ	Red alder (Alnus rubra)	50	17	5.0	20	I	Р	L	S-LOW	Y	 Co-dominant stems at 1.5m above grade. One dead stem, the other with severe dieback. 	REMOVE			
692	1	Υ	Black cottonwood (Populus x trichocarpa)	90	40	6.0	80	SE	G	L	S-LOW	Y		REMOVE			
693	1	Υ	Red alder (Alnus rubra)	48	20	5.0	40	С	Р	L	S-LOW	Y	Bifurcation at 10m above grade.Upper crown dieback.	PROTECT	5.0		3.1



Tag/ID	# of Trees	Bylaw Y/N	Common name, (<i>Botanical</i>)	Dbh (cm)	Ht (m)	Spr (m)	LCR (%)	Class	Condition	Value	Priority	Stand Y/N	Assessment Findings:	PRELIMINARY ACTION	CPZ (m)	RPZ (m)	6X Dbh (m)
694	1		Red alder (Alnus rubra)	38	18	4.0	30	I	Р	L	S-LOW	Y	Decay cavities at 1.5m and 3m above grade.25% dieback.	PROTECT	4.0		2.5
695	1	Y	Red alder (Alnus rubra)	33	23	4.0	25	С	P	L	S-LOW	Y	Dead top.Leaning to the southeast.30-40% dieback overall.	PROTECT	4.0		2.1
696	1	Y	Red alder (Alnus rubra)	40.3	25	6.0	50	С	P	L	S-LOW	Y	 DBH of a single stem equivalent is calculated based on the area of measured stems (29+28cmø) at 1.4m above grade for protection setback calculation purposes. One stem failed 18m. 40% dieback. 	PROTECT	6.0		2.6
697	1	Υ	Red alder (Alnus rubra)	38	15	5.0	30	С	P	L	S-LOW	Υ	 Fruiting bodies at 6m above grade. Severe dieback in the upper crown. Bifurcation at 12m and broken top at 15m above grade. 	PROTECT	5.0		2.5
698	1	Y	Red alder (Alnus rubra)	34	23	5.0	50	С	G	L	S-LOW	Y	Leaning to the southeast corrected at 12m.	PROTECT	5.0		2.2
699	1	Y	Red alder (Alnus rubra)	38	22	5.0	20	С	P	L	S-LOW	Y	 30% dieback concentrated in the upper crown. Crook at 9m above grade. Dead top. Leaning to the east. 	PROTECT	5.0		2.5
700	8	Y	Austrian pine (Pinus nigra)	40	14	4.0	80	G	VG	M	2	N	 DBH is representative of the largest of measured stems (30-40cmø) at 1.4m above grade for protection setback calculation purposes. north-south orientation, currently in good condition. 	PROTECT	4.0		2.6
701	1	Y	Red alder (Alnus rubra)	43	22	7.0	50	С	Р	L	S-LOW	Y	Co-dominant stems at 3m above graded.One failed stem.	REMOVE			



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Tag/ID	# of Trees	Bylaw Y/N	Common name, (<i>Botanical</i>)	Dbh (cm)	Ht (m)	Spr (m)	LCR (%)	Class	Condition	Value	Priority	Stand Y/N	Assessment Findings:	PRELIMINARY ACTION	CPZ (m)	RPZ (m)	6X Dbh (m)
702	1	L Y	Red alder (Alnus rubra)	34	23	4.0	30	С	Р	L	S-LOW	Y	 Crook at 5m above grade. Upper crown dieback 30%. Decay cavity from ground level to 2m up on the stem. 	PROTECT	4.0		2.2
703	1	L Y	Red alder (Alnus rubra)	36	24	4.0	30	С	P	L	S-LOW	Y	 Leaning to the east, corrected at 7m. Bifurcation at 7m above grade. Dead top. 	PROTECT	4.0		2.3
704	1	L Y	Black cottonwood (Populus x trichocarpa)	97	40	12.0	60	D	G	L	S-LOW	Y		PROTECT	12.0		6.3
705	1	_ Y	Red alder (Alnus rubra)	34	20	5.0	40	I	G	L	S-LOW	Y	• Leaning to the south.	REMOVE			
706	1	. Y	Red alder (Alnus rubra)	64	19	6.0	80	SE	Р	L	S-LOW	Υ	Historic stem failure causing an extensive decay cavity.	REMOVE			
707	1	L Y	Red alder (Alnus rubra)	69	20	7.0	60	SE	G	L	S-LOW	Y	 Three stems emerging at 5m above grade. Co-dominant stems at 2m above grade. 	REMOVE			
708	1	_ Y	Red alder (Alnus rubra)	37	20	6.0	70	SE	G	L	S-LOW	Y	Bifurcation at 6m above grade.	PROTECT	6.0		2.4
709	1	. Y	Red alder (Alnus rubra)	50	20	10.0	80	SE	G	L	S-LOW	Y	Leaning to the south.Multi-stemmed.	REMOVE			
710	1	. Y	Black cottonwood (Populus x trichocarpa)	50	38	13.0	80	SE	G	L	S-LOW	Υ	• DBH is representative of the largest of measured stems (31, 50, 45, 45, 33, 31cmø) at 1.4m above grade for protection setback calculation purposes.				

• 6 stems attached at or near ground level.

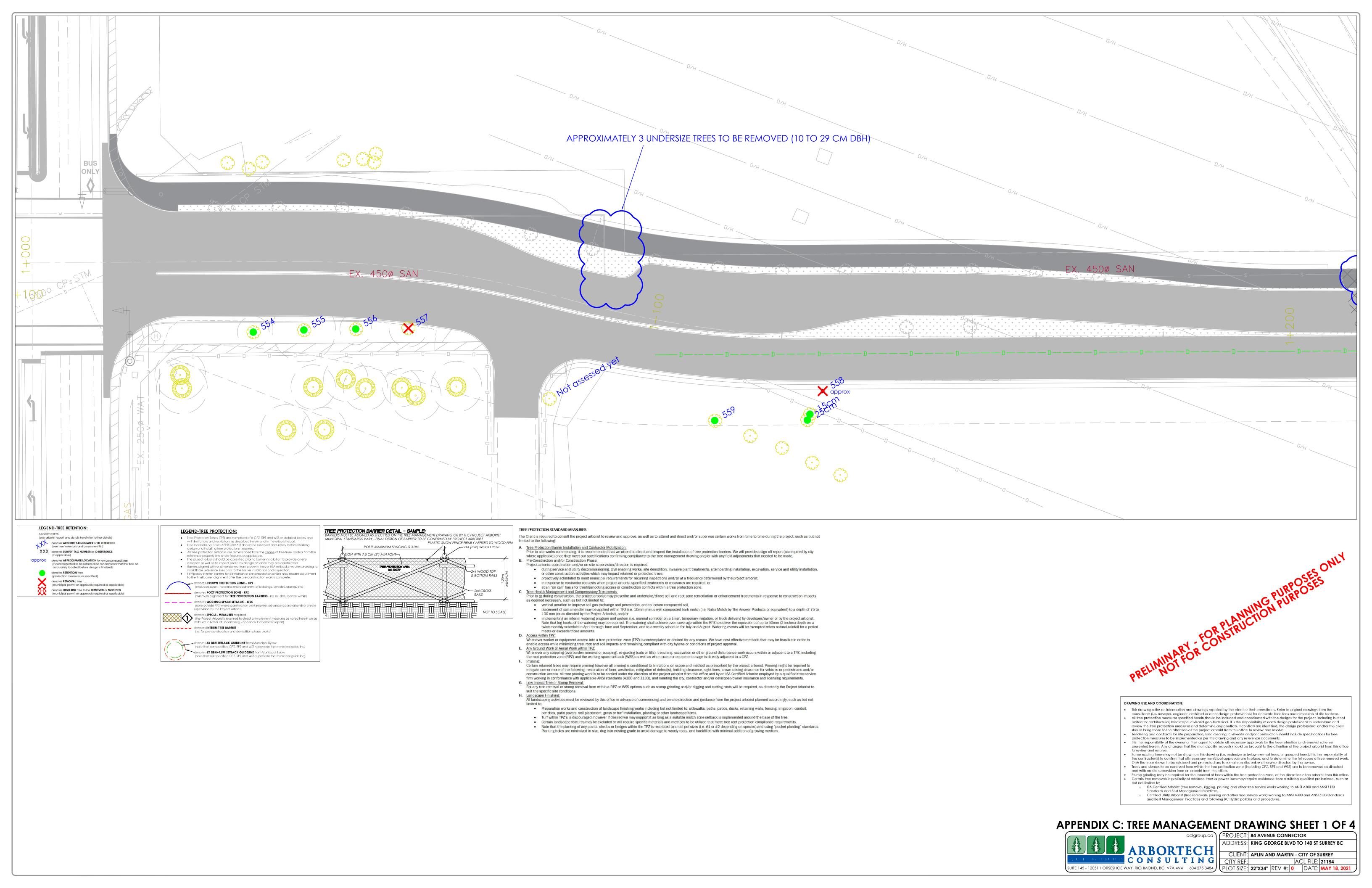


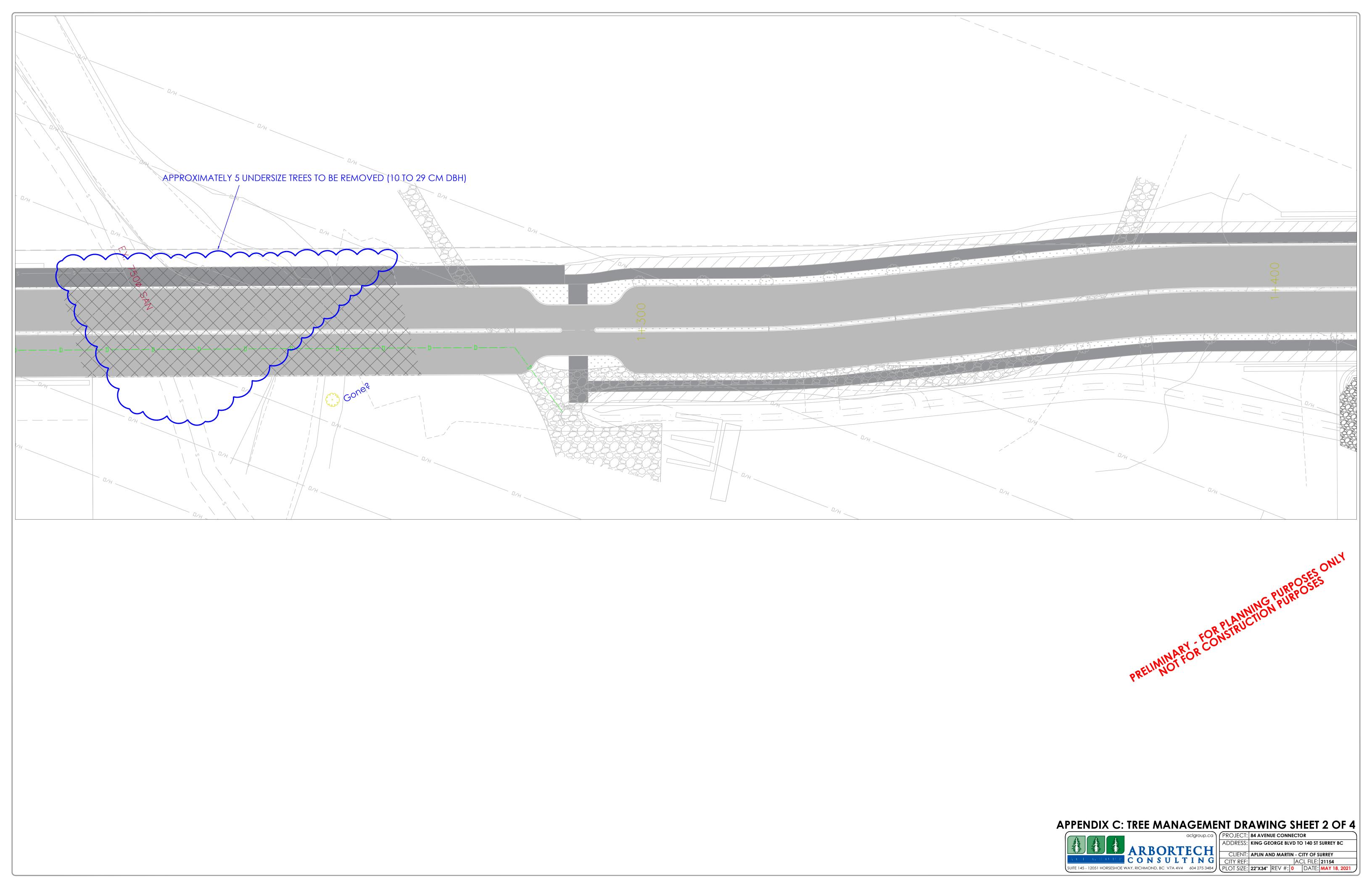
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Tag/ID	# of Trees		Common name, (<i>Botanical</i>)	Dbh (cm)	Ht (m)	Spr (m)	LCR (%)	Class	Condition	Value	Priority	Stand Y/N		PRELIMINARY ACTION	CPZ (m)	RPZ (m)	6X Dbh (m)
711	1	Y	Red alder (Alnus rubra)	50	23	6.0	30	С	G	L	S-LOW	Y	Butt rot.Co-dominant stems at 5m above grade.20% dieback.	PROTECT	6.0		3.3
712	1	Y	Red alder (Alnus rubra)	54	17	6.0	20	I	Р	L	S-LOW	Υ	Historic stem failure at 8m.Dead and broken top.	REMOVE			
713	1	Y	Black cottonwood (Populus x trichocarpa)	54	36	10.0	70	SE	G	L	S-LOW	Y		REMOVE			
714	1	Y	Black cottonwood (Populus x trichocarpa)	51	36	10.0	80	SE	G	L	S-LOW	Υ		REMOVE			
715	1	Y	Black cottonwood (Populus x trichocarpa)	84.9	36	16.0	70	SE	G	L	S-LOW	Y	 DBH of a single stem equivalent is calculated based on the area of measured stems (60+60cmø) at 1.4m above grade for protection setback calculation purposes. Co-doiminant stems at 1.5m above grade. 	REMOVE			
716	1	Y	Bigleaf maple (Acer macrophyllum)	74.3	31	15.0	60	D	G	M	S-1	Y	DBH of a single stem equivalent is calculated based on the area of measured stems (50+55cmø) at 1.4m above grade for protection setback calculation purposes. Co-dominant stems at 1m above grade.	PROTECT	15.0		4.8
717	1	Y	Black cottonwood (Populus x trichocarpa)	49	30	6.0	50	С	G	L	S-LOW	Υ		REMOVE			
718	1	Y	Black cottonwood (Populus x trichocarpa)	49	35	6.0	60	SE	G	L	S-LOW	Υ		REMOVE			
719	1	Y	Red alder (Alnus rubra)	38	20	5.0	40	SE	G	L	S-LOW	Υ	Upper crown dieback.	PROTECT	5.0		2.5
720	1	Y	Black cottonwood (Populus x trichocarpa)	84	30	8.0	80	SE	G	L	S-LOW	Y		REMOVE			

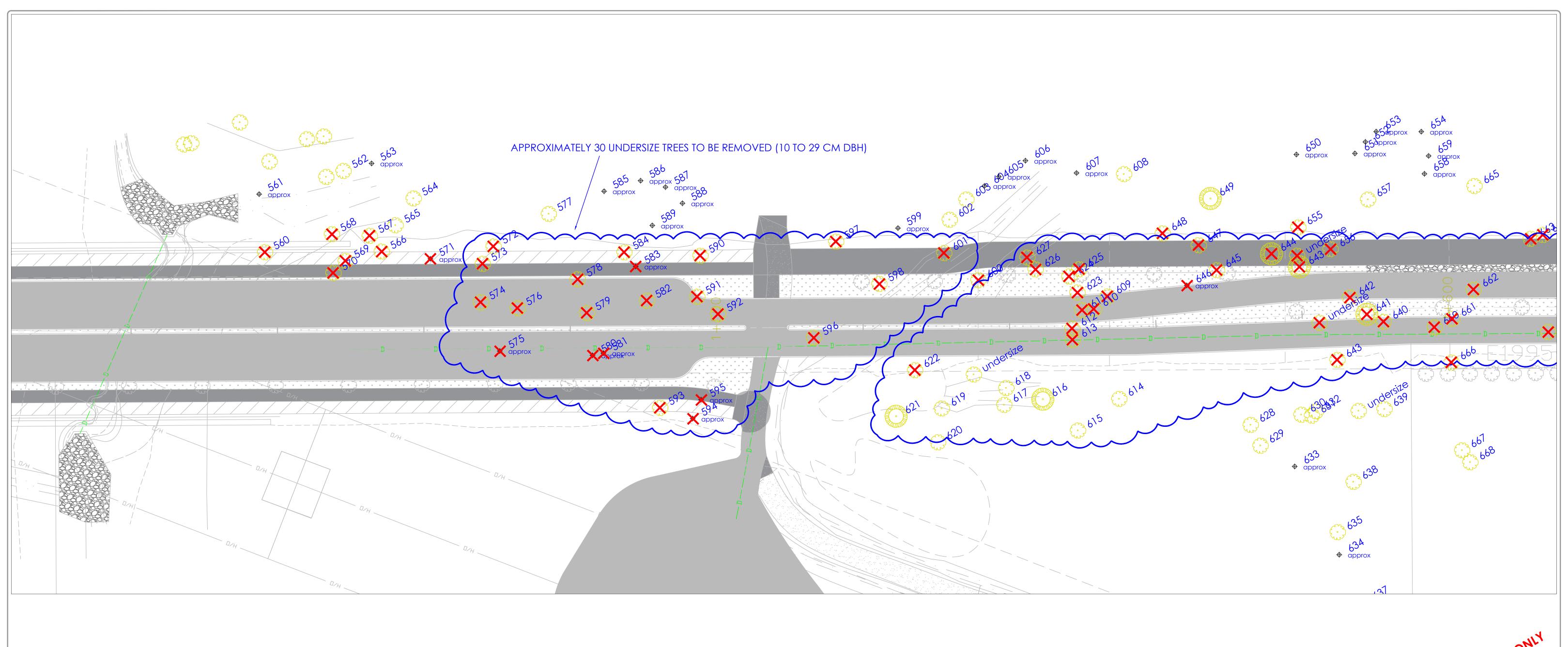


Tag/ID	# of Trees	Bylaw Y/N	Common name, (<i>Botanical</i>)	Dbh (cm)	Ht (m)	Spr (m)	LCR (%)	Class	Condition	Value	Priority	Stand Y/N	Assessment Findings:	PRELIMINARY ACTION	CPZ (m)	RPZ (m)	6X Dbh (m)
721	1	<u>l</u> <u>m</u> Y	Red alder (Alnus rubra)	35	18	4.0	20	C	VP	<u>> 1</u>	S-LOW	Υ Υ	, -	PROTECT	4.0	<u> L</u>	2.3
722	1	Υ	Pin oak (Quercus palustris)	59	17	12.0	80	G	VG	VH	1	N		PROTECT	12.0		3.8
723	1	Y	Pin oak (Quercus palustris)	42	18	13.0	80	G	VG	VH	1	N		PROTECT	13.0		2.7
724	1	Y	Pin oak (Quercus palustris)	50	17	13.0	80	G	G	VH	1	N	• 15% dieback overall concentrated in the lower crown.	PROTECT	13.0		3.3
725	1	Y	Pin oak (Quercus palustris)	43	17	11.0	80	G	G	VH	1	N	• 15% dieback overall concentrated in the lower crown.	REMOVE			
726	1	N	Pin oak (Quercus palustris)	29	17	7.0	80	G	G	VH	1	N	• 15% dieback overall concentrated in the lower crown.	REMOVE			
727	1	Υ	Pin oak (Quercus palustris)	37	15	7.0	80	G	G	VH	1	N	• 15% dieback overall concentrated in the lower crown.	REMOVE			
728	1	Υ	Pin oak (Quercus palustris)	41	16	7.0	80	G	G	VH	1	N	• 15% dieback overall concentrated in the lower crown.	REMOVE			
729	1	Y	Pin oak (Quercus palustris)	34	12	6.0	80	G	G	VH	1	N	• 15% dieback overall concentrated in the lower crown.	REMOVE			

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PRELIMINARY CONSTRUCTION PURPOSES

APPENDIX C: TREE MANAGEMENT DRAWING SHEET 3 OF 4



ROJECT: 84 AVENUE CONNECTOR
DDRESS: KING GEORGE BLVD TO 140 ST SURREY BC

CLIENT: APLIN AND MARTIN - CITY OF SURREY

CITY REF: ACL FILE: 21154

