

Cascade Tree Works LLC

To whom it may concern:

September 18, 2020

Oak tree appears healthy with a live crown ratio of approx. 95%, good structure and no signs of die back at the time of inspection.

Tulip tree appears healthy with a live crown ratio of approx. 85%, good structure, but the Wisteria vine that has attached itself to approx. 20-25% of the Tulips limbs and leaves and has reached the top. Has 1 broken top in the upper crown.

I would give an overall health assessment of fair, until Wisteria can be removed as this will likely to continue to put the Tulip tree under stress and excessive weight, increasing likelihood of limb and branch failure along with competition for resources.

Both trees will need established "TPZ" (tree protection zones) during construction to preserve roots and minimize impact during the construction process.

The other trees on the property, most are volunteer and do not contain any protected species, varying in health and aesthetic quality. Retention is not recommended.

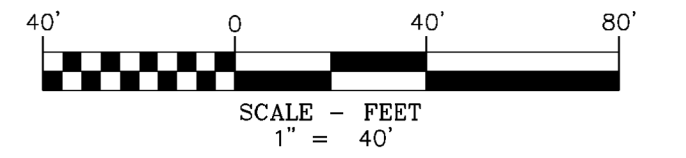
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Cont# CASCATW889C

TREE EXHIBIT

LOCATED IN THE E 1/2, DAVID C. PARKER D.L.C. NO. 48
BEING A PORTION OF THE NW 1/4 & THE SW 1/4 OF
THE NE 1/4 OF SECTION 12, T. 1N., R. 3E., W.M.
CITY OF CAMAS, COUNTY CLARK, STATE OF WASHINGTON

BASIS OF BEARINGS

WASHINGTON STATE PLANE COORDINATES SYSTEM
SOUTH ZONE, GRID NORTH, GROUND DISTANCE,
ESTABLISHED BY G.P.S. OBSERVATION BETWEEN
MONUMENTS 252 AND 253



VERTICAL DATUM

BRASS CAP AT THE SOUTHEAST CORNER OF NE 3RD
AVENUE AND NE 3RD AVENUE LOOP NEXT TO 2504 NE 3RD
AVENUE, END OF CURB RETURN. ELEVATION = 37.31 FEET
PER CITY OF CAMAS ENGINEERING DEPARTMENT

LEGEND

- EDGE OF ASPHALT
- ===== CURB AND GUTTER
- EDGE OF GRAVEL
- W WATER MAIN
- WS WS WATER SERVICE
- S SANITARY SEWER MAIN
- SD STORM DRAIN
- AP AERIAL POWER LINE
- BE BURIED ELECTRIC LINE
- AT AERIAL TELEPHONE LINE
- T BURIED TELEPHONE LINE
- ATV AERIAL CABLE TELEVISION
- G GAS MAIN
- X FENCE
- RETAINING WALL
- CONTOUR (1 FOOT INTERVAL)
- GRAVEL DRIVEWAY
- CONCRETE SIDEWALK
- BUILDING
- ASPHALT AREA
- WV WATER VALVE
- FH FIRE HYDRANT
- WM WATER METER
- IVV IRRIGATION WATER VALVE
- SS SANITARY SEWER MANHOLE
- SDM STORM DRAIN MANHOLE
- SDI STORM DRAIN INLET
- PP POWER POLE
- LP LIGHT POLE
- ET EVERGREEN TREE (SIZE AS NOTED)
- DT DECIDUOUS TREE (SIZE AS NOTED)
- MB MAIL BOX
- FM FOUND MONUMENT
- CP CONTROL POINT
- RM REFERENCE MONUMENT
- FD FOUND DISTANCE
- R.O.S. RECORD OF SURVEY

CURVE TABLE

CURVE	LENGTH	RADIUS	DELTA	CHORD BEARING	CHORD LENGTH
C1	108.86'	10000.00'	0°37'25"	N88°16'33"W	108.86'
C2	30.22'	10000.00'	0°10'23"	N88°40'27"W	30.22'
C3	78.67'	10000.00'	0°27'03"	N88°59'10"W	78.67'
C4	217.75'	10000.00'	1°14'52"	N88°35'16"W	217.75'
C5	8.43'	10050.00'	0°02'53"	S87°59'17"E	8.43'
C6	19.90'	10050.00'	0°06'48"	N88°39'54"W	19.90'
C8	54.78'	4728.35'	0°39'50"	N88°39'51"W	54.78'
C9	48.96'	4728.35'	0°35'36"	N88°02'08"W	48.96'

Point No.	Type	Scientific Name	Height	Health
2000	White Oak	Quercus alba	41.5"	Good
2001	Honey Locust	Gleditsia triacanthos	7"	Good
2002	Honey Locust	Gleditsia triacanthos	6"	Good
2003	Honey Locust	Gleditsia triacanthos	6"	Good
2004	Honey Locust	Gleditsia triacanthos	5.7"	Good
2005	Honey Locust	Gleditsia triacanthos	6"	Good
2006	Cedar (Western)	Thuja plicata	16"	Dead
2007	White Oak	Quercus alba	24"	Good
2008	Honey Locust	Gleditsia triacanthos	4"	Good
2009	Siberian Elm	Ulmus pumila	13.5"	Good
2010	Siberian Elm	Ulmus pumila	31"	Decline/Bad
2011	Hawthorn	Crataegus	5.5"	Fair
2012	Honey Locust	Gleditsia triacanthos	25"	Good
2013	Honey Locust	Gleditsia triacanthos	17"	Good
2014	Honey Locust	Gleditsia triacanthos	24"	Good
2015	Multi Stem Laurel	Laurus nobilis	3"-6"	Good
2016	Multi Stem Cedar	Thuja plicata	24"	Dead
2017	Bigleaf Maple	Acer macrophyllum	17"	Good
2018	Douglas Fir	Pseudotsuga menziesii	14"	Good
2019	Bigleaf Maple	Acer macrophyllum	9"	Good
2020	Native Pear	Pyrus communis	5"	Fair
2021	American Holly	Ilex opaca	13"	Good
2022	Bigleaf Maple	Acer macrophyllum	17"	Good
2023	Common Cherry	Prunus avium	12"	Good
2024	Bigleaf Maple	Acer macrophyllum	13"	Good
2025	Alder	Alnus	9"	Good
2026	Common Cherry	Prunus avium	6"	Good
2027	Common Cherry	Prunus avium	4"	Good
2028	Tulip Tree	Liriodendron	44"	Fair
2029	Pear	Pyrus communis	7"	Declining
2030	Pear	Pyrus communis	5"	Fair
2031	Pear	Pyrus communis	8"	Fair
2032	Pear	Pyrus communis	18"	Fair
2033	White Oak	Quercus alba	9"	Good
2034	Apple	Malus domestica	35"	Fair
2035	Red Alder	Alnus rubra	13"	Fair
2036	Red Alder	Alnus rubra	9"	Fair
2037	Common Cherry	Prunus avium	4"	Fair
2038	Douglas Fir	Pseudotsuga menziesii	24"	Good
2039	Holly Clump	Ilex	4-10"	Fair
2040	American Holly	Ilex opaca	11"	Fair
2041	Douglas Fir	Pseudotsuga menziesii	60"	Good
2042	Bigleaf Maple	Acer macrophyllum	5"	Fair
2043	Bigleaf Maple	Acer macrophyllum	5"	Fair
2044	Filbert	Corylus maxima	4"	Fair
2045	Blue Spruce	Picea pungens	19"	Good
2046	Filbert	Corylus maxima	3"	Fair
2047	Pear	Pyrus communis	27"	Declining
2048	Common Cherry	Prunus avium	14"	Dead
2049	Filbert Clump	Corylus maxima	2-4"	Fair
2050	American Holly	Ilex opaca	2"	Fair
2051	Bigleaf Maple	Acer macrophyllum	14"	Fair
2052	Douglas Fir	Pseudotsuga menziesii	11"	Fair
2053	American Holly	Ilex opaca	3"	Fair
2054	Douglas Fir	Pseudotsuga menziesii	28"	Fair
2055	Bigleaf Maple	Acer macrophyllum	22"	Fair
2056	Bigleaf Maple	Acer macrophyllum	14"	Poor
2057	American Holly	Ilex opaca	5"	Fair
2058	Bigleaf Maple	Acer macrophyllum	16-18" Clump	Good
2059	White Oak	Quercus alba	17"	Declining
2060	Douglas Fir	Pseudotsuga menziesii	6"	Fair
2061	Douglas Fir	Pseudotsuga menziesii	33"	Good
2062	American Holly	Ilex opaca	5"	Fair
2063	Bigleaf Maple	Acer macrophyllum	24"	Fair
2064	Bigleaf Maple	Acer macrophyllum	6-14" Clump	Good
2065	Douglas Fir	Pseudotsuga menziesii	27"	Good
2066	American Holly	Ilex opaca	4" Clump	Good
2067	Douglas Fir	Pseudotsuga menziesii	43"	Good
2068	Bigleaf Maple	Acer macrophyllum	13"	Good
2069	Douglas Fir	Pseudotsuga menziesii	40"	Good
2068	Bigleaf Maple	Acer macrophyllum	26"	Fair
2069	Holly Clump	Ilex	2-5"	Fair
2070	Douglas Fir	Pseudotsuga menziesii	10"	Fair
2071	Douglas Fir	Pseudotsuga menziesii	49"	Good
2072	Common Cherry	Prunus avium	11"	Fair

Point No.	Type	Scientific Name	Height	Health
2073	Spruce	Picea	16"	Declining
2074	Douglas Fir	Pseudotsuga menziesii	25"	Good
2075	Douglas Fir	Pseudotsuga menziesii	19"	Good
2076	Douglas Fir	Pseudotsuga menziesii	33"	Good
2077	Bigleaf Maple	Acer macrophyllum	13"	Good
2078	Bigleaf Maple	Acer macrophyllum	12"	Good
2079	Bigleaf Maple	Acer macrophyllum	13"	Good
2080	Douglas Fir	Pseudotsuga menziesii	12"	Good
2081	Bigleaf Maple	Acer macrophyllum	10"	Fair
2082	Douglas Fir	Pseudotsuga menziesii	8"	Fair
2083	Douglas Fir	Pseudotsuga menziesii	19"	Good
2084	Bigleaf Maple	Acer macrophyllum	19"	Fair
2085	Bigleaf Maple	Acer macrophyllum	16"	Fair
2086	Bigleaf Maple	Acer macrophyllum	21"	Bad/Poor
2087	Bigleaf Maple	Acer macrophyllum	18"	Bad/Poor
2088	Bigleaf Maple	Acer macrophyllum	16"	Bad/Poor
2089	Douglas Fir	Pseudotsuga menziesii	38"	Good
2090	Douglas Fir	Pseudotsuga menziesii	39"	Good
2091	Bigleaf Maple	Acer macrophyllum	16"	Fair
2092	Bigleaf Maple	Acer macrophyllum	13"	Fair
2093	Bigleaf Maple	Acer macrophyllum	18"	Fair
2094	Bigleaf Maple	Acer macrophyllum	12"	Poor
2095	Douglas Fir	Pseudotsuga menziesii	43"	Good
2096	White Oak	Quercus alba	14"	Fair
2097	White Oak	Quercus alba	8"	Poor
2098	Douglas Fir	Pseudotsuga menziesii	8"	Fair
2099	Douglas Fir	Pseudotsuga menziesii	8"	Fair
2100	White Oak	Quercus alba	11"	Poor
2101	Douglas Fir	Pseudotsuga menziesii	6"	Poor
2102	White Oak	Quercus alba	27"	Good
2103	Green Ash	Fraxinus pennsylvanica	26"	Fair
2104	Bigleaf Maple	Acer macrophyllum	20"	Fair
2105	Bigleaf Maple	Acer macrophyllum	20"	Poor
2106	Bigleaf Maple	Acer macrophyllum	33"	Poor
2107	Bigleaf Maple	Acer macrophyllum	20"	Fair
2108	White Oak	Quercus alba	12"	Fair
2109	Bigleaf Maple	Acer macrophyllum	12"	Fair
2110	Bigleaf Maple Clump	Acer macrophyllum	4"-13"	Poor
2111	Laurel Clump	Kalmia latifolia	2"-8"	Fair
2112	Douglas Fir	Pseudotsuga menziesii	28"	Good



Type	Scientific Name	Height	Location		Health
White Oak	Quercus alba	41.5"	45.58864	122.380740	Good
Honey Locust	Gleditsia triacanthos	7"	45.58872	122.38065	Good
Honey Locust	Gleditsia triacanthos	6"	45.58875	122.38063	Good
Honey Locust	Gleditsia triacanthos	6"	45.58876	122.38063	Good
Honey Locust	Gleditsia triacanthos	5.7"	45.58874	122.38054	Good
Honey Locust	Gleditsia triacanthos	6"	45.58875	122.38053	Good
Cedar (Western)	Thuja plicata	16"	45.58887	122.28054	Dead
White Oak	Quercus alba	24"	45.58871	122.38042	Good
Honey Locust	Gleditsia triacanthos	4"	45.58874	122.38039	Good
Siberian Elm	Ulmus pumila	13.5"	45.58874	122.38035	Good
Siberian Elm	Ulmus pumila	31"	45.58893	122.38048	Decline/Bad
Hawthorn	Crataegus	5.5"	45.58894	122.38044	Fair
Honey Locust	Gleditsia triacanthos	25"	45.58870	122.38040	Good
Honey Locust	Gleditsia triacanthos	17"	45.58876	122.38031	Good
Honey Locust	Gleditsia triacanthos	24"	45.58877	122.38032	Good
Multi Stem Laurel	Laurus nobilis	3"-6"	45.58871	122.38089	Good
Multi Stem Cedar	Thuja plicata	24"	45.58906	122.38063	Dead
Bigleaf Maple	Acer macrophyllum	17"	45.58916	122.38054	Good
Douglas Fir	Pseudotsuga menziesii	14"	45.58918	122.38051	Good
Bigleaf Maple	Acer macrophyllum	9"	45.58918	122.38050	Good
Native Pear	Pyrus communis	5"	45.58907	122.38039	Fair
American Holly	Ilex opaca	13"	45.58916	122.38053	Good
Bigleaf Maple	Acer macrophyllum	17"	45.58918	122.38054	Good
Common Cherry	Prunus avium	12"	45.58920	122.38056	Good
Bigleaf Maple	Acer macrophyllum	13"	45.58919	122.38072	Good
Alder	Alnus	9"	45.58942	122.38096	Good
Common Cherry	Prunus avium	6"	45.58944	122.38076	Good
Common Cherry	Prunus avium	4"	45.58944	122.38076	Good
Tulip Tree	Liriodendron	44"	45.58917	122.38071	Fair
Pear	Pyrus communis	7"	45.58936	122.38075	Declining
Pear	Pyrus communis	5"	45.58931	122.38034	Fair
Pear	Pyrus communis	8"	45.58931	122.38046	Fair
Pear	Pyrus communis	18"	45.58927	122.38033	Fair
White Oak	Quercus alba	9"	45.58921	122.38028	Good
Apple	Malus domestica	35"	45.58929	122.38028	Fair
Red Alder	Alnus rubra	13"	45.58926	122.38060	Fair
Red Alder	Alnus rubra	9"	45.58936	122.38063	Fair
Common Cherry	Prunus avium	4"	45.58936	122.38063	Fair
Douglas Fir	Pseudotsuga menziesii	24"	45.58939	122.35064	Good
Holly Clump	Ilex	4-10"	45.58939	122.38084	Fair
American Holly	Ilex opaca	11"	45.58936	122.38091	Fair
Douglas Fir	Pseudotsuga menziesii	60"	45.58956	122.38092	Good
Bigleaf Maple	Acer macrophyllum	5"	45.58953	122.58079	Fair
Bigleaf Maple	Acer macrophyllum	5"	45.58953	122.58079	Fair
Filbert	Corylus maxima	4"	45.58950	122.38061	Fair

Blue Spruce	<i>Picea pungens</i>	19"	45.58942	122.38039	Good
Filbert	<i>Corylus maxima</i>	3"	45.58947	122.38026	Fair
Pear	<i>Pyrus communis</i>	27"	45.58942	122.38037	Declining
Common Cherry	<i>Prunus avium</i>	14"	45.58958	122.38044	Dead
Filbert Clump	<i>Corylus maxima</i>	2-4"	45.58955	122.38029	Fair
American Holly	<i>Ilex opaca</i>	2"	45.58967	122.38047	Fair
Bigleaf Maple	<i>Acer macrophyllum</i>	14"	45.58964	122.38043	Fair
Douglas Fir	<i>Pseudotsuga menziesii</i>	11"	45.58960	122.38049	Fair
American Holly	<i>Ilex opaca</i>	3"	45.58957	122.38054	Fair
Douglas Fir	<i>Pseudotsuga menziesii</i>	28"	45.58974	122.38048	Fair
Bigleaf Maple	<i>Acer macrophyllum</i>	22"	45.58966	122.38038	Fair
Bigleaf Maple	<i>Acer macrophyllum</i>	14"	45.58966	122.38034	Poor
American Holly	<i>Ilex opaca</i>	5"	45.58968	122.38041	Fair
Bigleaf Maple	<i>Acer macrophyllum</i>	16-18" Clump	45.58959	122.38033	Good
White Oak	<i>Quercus alba</i>	17"	45.58968	122.38044	Declining
Douglas Fir	<i>Pseudotsuga menziesii</i>	6"	45.58974	122.38036	Fair
Douglas Fir	<i>Pseudotsuga menziesii</i>	33"	45.58977	122.38045	Good
American Holly	<i>Ilex opaca</i>	5"	45.58977	122.38045	Fair
Bigleaf Maple	<i>Acer macrophyllum</i>	24"	45.58968	122.38059	Fair
Bigleaf Maple	<i>Acer macrophyllum</i>	6-14" Clump	45.58972	122.38053	Good
Douglas Fir	<i>Pseudotsuga menziesii</i>	27"	45.58976	122.38055	Good
American Holly	<i>Ilex opaca</i>	4" Clump	45.58975	122.38065	Good
Douglas Fir	<i>Pseudotsuga menziesii</i>	43"	45.58972	122.38069	Good
Bigleaf Maple	<i>Acer macrophyllum</i>	13"	45.58961	122.38062	Good
Douglas Fir	<i>Pseudotsuga menziesii</i>	40"	45.58952	122.38073	Good
Bigleaf Maple	<i>Acer macrophyllum</i>	26"	45.58959	122.38060	Fair
Holly Clump	<i>Ilex</i>	2-5"	45.58953	122.38052	Fair
Douglas Fir	<i>Pseudotsuga menziesii</i>	10"	45.58953	122.38072	Fair
Douglas Fir	<i>Pseudotsuga menziesii</i>	49"	45.58956	122.38064	Good
Common Cherry	<i>Prunus avium</i>	11"	45.58942	122.38064	Fair
Spruce	<i>Picea</i>	16"	45.58942	122.28064	Declining
Douglas Fir	<i>Pseudotsuga menziesii</i>	25"	45.58962	122.38082	Good
Douglas Fir	<i>Pseudotsuga menziesii</i>	19"	45.58961	122.38080	Good
Douglas Fir	<i>Pseudotsuga menziesii</i>	33"	45.58965	122.38077	Good
Bigleaf Maple	<i>Acer macrophyllum</i>	13"	45.58969	122.38082	Good
Bigleaf Maple	<i>Acer macrophyllum</i>	12"	45.58969	122.38082	Good
Bigleaf Maple	<i>Acer macrophyllum</i>	13"	45.58969	122.38082	Good
Douglas Fir	<i>Pseudotsuga menziesii</i>	12"	45.58977	122.38086	Good
Bigleaf Maple	<i>Acer macrophyllum</i>	10"	45.58959	122.38083	Fair
Douglas Fir	<i>Pseudotsuga menziesii</i>	8"	45.58969	122.38088	Fair
Douglas Fir	<i>Pseudotsuga menziesii</i>	19"	45.58944	122.38079	Good
Bigleaf Maple	<i>Acer macrophyllum</i>	19"	45.58953	122.38083	Fair
Bigleaf Maple	<i>Acer macrophyllum</i>	16"	45.58962	122.38097	Fair
Bigleaf Maple	<i>Acer macrophyllum</i>	21"	45.58975	122.38098	Bad/Poor
Bigleaf Maple	<i>Acer macrophyllum</i>	18"	45.58975	122.38098	Bad/Poor
Bigleaf Maple	<i>Acer macrophyllum</i>	16"	45.58975	122.38098	Bad/Poor
Douglas Fir	<i>Pseudotsuga menziesii</i>	38"	45.58947	122.38097	Good

Douglas Fir	<i>Pseudotsuga menziesii</i>	39"	45.58957	122.38107	Good
Bigleaf Maple	<i>Acer macrophyllum</i>	16"	45.58967	122.38107	Fair
Bigleaf Maple	<i>Acer macrophyllum</i>	13"	45.58957	122.38102	Fair
Bigleaf Maple	<i>Acer macrophyllum</i>	18"	45.58957	122.38125	Fair
Bigleaf Maple	<i>Acer macrophyllum</i>	12"	45.58957	122.38113	Poor
Douglas Fir	<i>Pseudotsuga menziesii</i>	43"	45.58961	122.38115	Good
White Oak	<i>Quercus alba</i>	14"	45.58957	122.38101	Fair
White Oak	<i>Quercus alba</i>	8"	45.58957	122.38100	Poor
Douglas Fir	<i>Pseudotsuga menziesii</i>	8"	45.58955	122.38108	Fair
Douglas Fir	<i>Pseudotsuga menziesii</i>	8"	45.58956	122.38119	Fair
White Oak	<i>Quercus alba</i>	11"	45.58953	122.38117	Poor
Douglas Fir	<i>Pseudotsuga menziesii</i>	6"	45.58944	122.38113	Poor
White Oak	<i>Quercus alba</i>	27"	45.58952	122.38111	Good
Green Ash	<i>Fraxinus pennsylvanica</i>	26"	45.58933	122.38111	Fair
Bigleaf Maple	<i>Acer macrophyllum</i>	20"	45.58925	122.38119	Fair
Bigleaf Maple	<i>Acer macrophyllum</i>	20"	45.58925	122.38119	Poor
Bigleaf Maple	<i>Acer macrophyllum</i>	33"	45.58922	122.38115	Poor
Bigleaf Maple	<i>Acer macrophyllum</i>	20"	45.58929	122.38099	Fair
White Oak	<i>Quercus alba</i>	12"	45.58922	122.38103	Fair
Bigleaf Maple	<i>Acer macrophyllum</i>	12"	45.58924	122.38113	Fair
Bigleaf Maple Clump	<i>Acer macrophyllum</i>	4"-13"	45.58921	122.38096	Poor
Laurel Clump	<i>Kalmia polifolia</i>	2"-8"	45.58895	122.38109	Fair
Douglas Fir	<i>Pseudotsuga menziesii</i>	28"	45.58941	122.38123	Good