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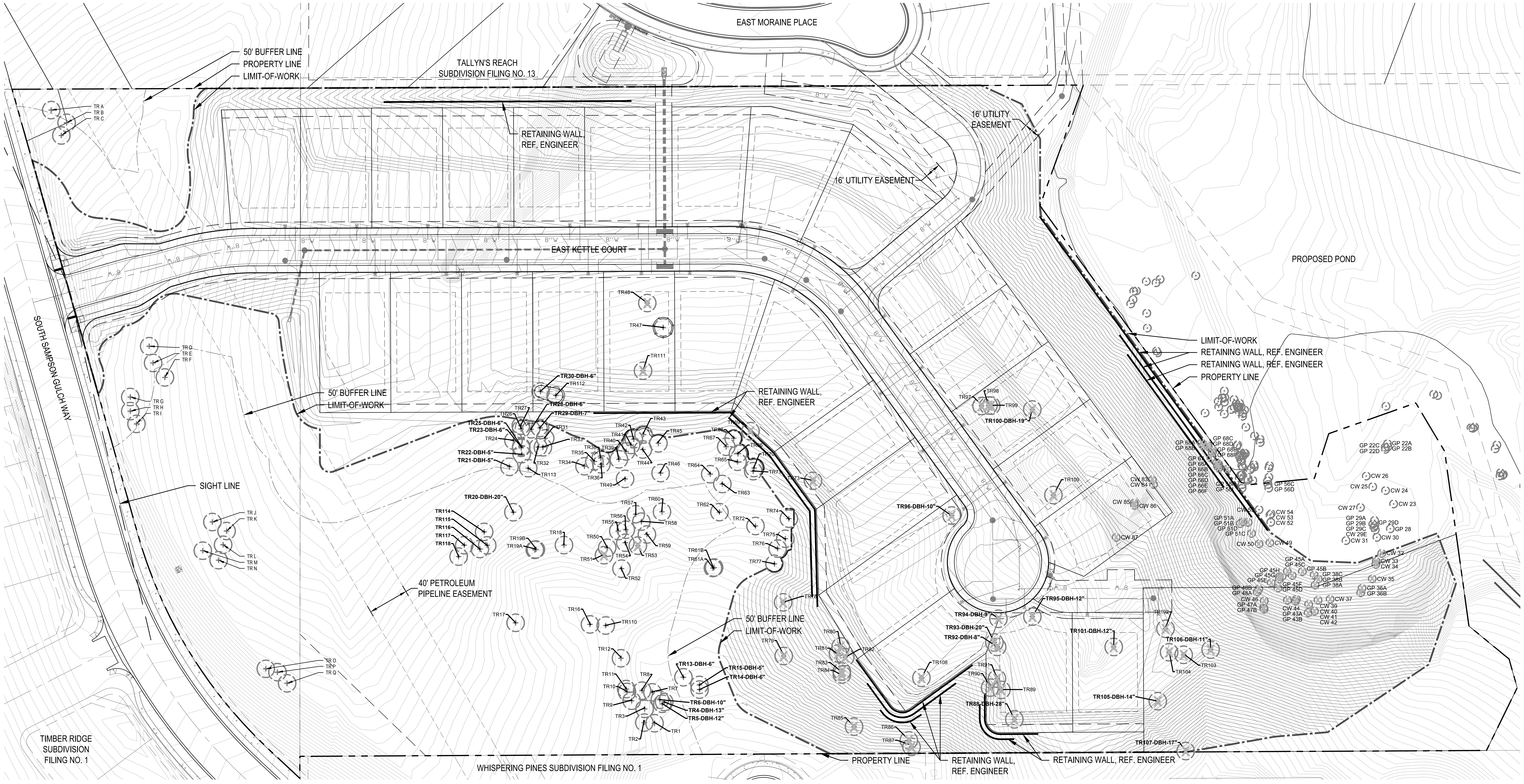
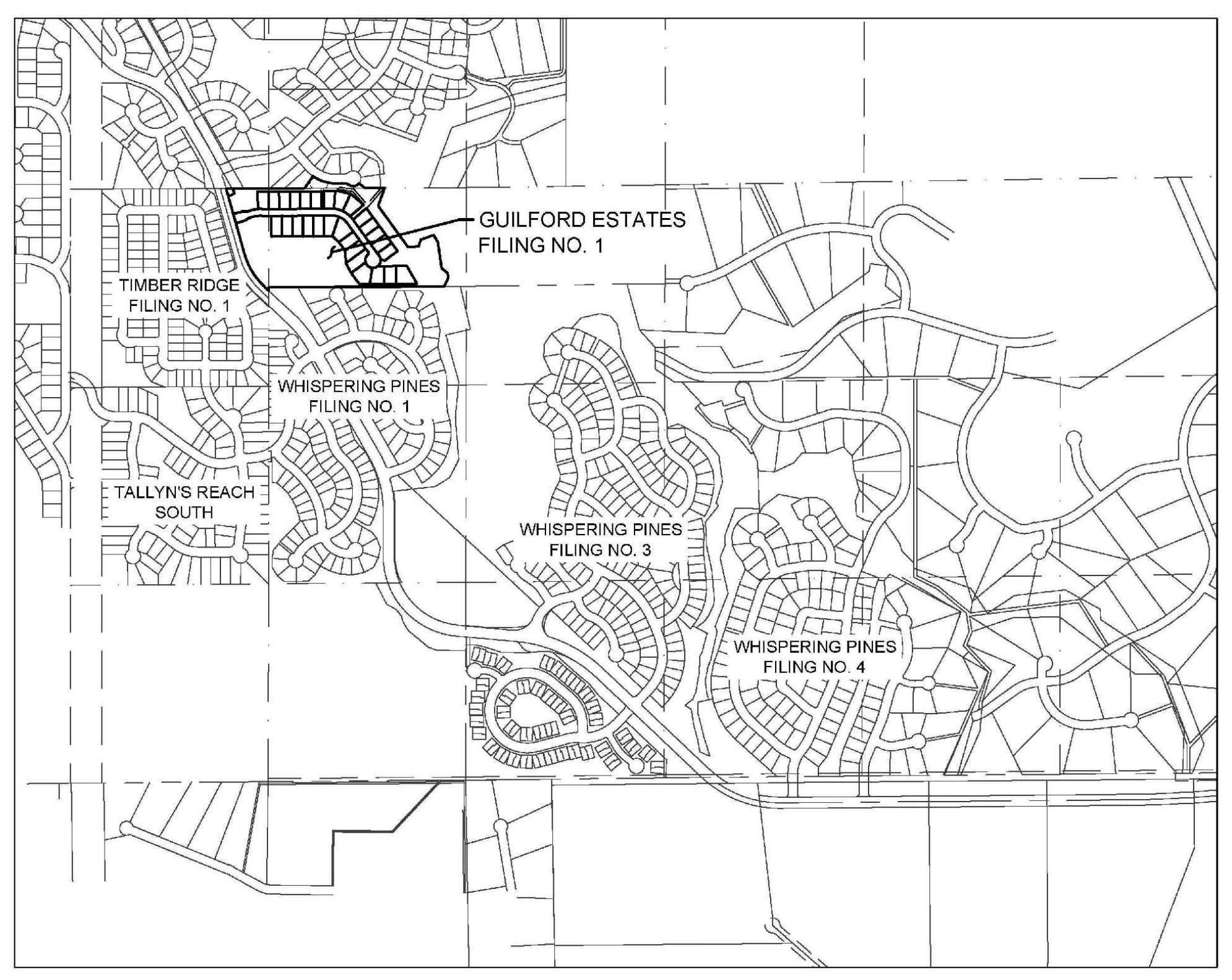


TREE MITIGATION LEGEND

- EXISTING PONDEROSA PINE
- EXISTING DECIDUOUS TREE
- EXISTING PONDEROSA PINE TO BE REMOVED
- EXISTING DECIDUOUS TREE TO BE REMOVED
- PROPERTY LINE
- LIMIT-OF-WORK
- 50' BUFFER LINE
- TREE PROTECTION FENCE
- RETAINING WALL, REF. ENGINEER
- PROPOSED CONTOURS
- EXISTING CONTOURS

VICINITY MAP (NTS)



CITY OF AURORA APPROVALS
THIS TREE PROTECTION PLAN IS APPROVED IN ACCORDANCE WITH THE CITY OF AURORA BLACK FOREST ORDINANCE
DATE:_______________ FORESTRY DIVISION: _______________________

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TREE PROTECTION PLAN

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SITE TREE INVENTORY - PONDEROSA PINE SURVEY

TREE #	Species	DBH	HGT	AGE	Spec. %	Loc. %	Cond. %	Mitigation Inches	VALUE	Comments
1	PP	12	30	110	0.8	0.7	0.1	1.2	$ 269.92	Thin foliage, poor site
2	PP	16	50	120	0.8	0.7	0.3	4.8	$ 1,386.12	mature, poor site, one sided
3	PP	15	50	120	0.8	0.7	0.3	4.5	$ 1,226.59	one sided, inside group
4	PP	13	50	120	0.8	0.7	0.3	3.9	$ 938.42	one sided, inside group
5	PP	12	45	110	0.8	0.7	0.1	1.2	$ 269.92	overtopped, suppressed
6	PP	10	35	100	0.8	0.7	0.1	1	$ 194.45	overtopped, suppressed
7	PP	12	50	120	0.8	0.7	0.8	9.6	$ 2,159.39	Large spade tree
8	PP	8	25	100	0.8	0.7	0.1	0.8	$ 132.70	not spadable, overtopped, suppressed
9	PP	14	50	110	0.8	0.7	0.3	4.2	$ 1,077.36	one sided, inside group, root damage
10	PP	8	18	100	0.8	0.7	0.1	0.8	$ 132.70	not spadable, overtopped, suppressed
11	PP	19	50	130	0.8	0.7	0.1	1.9	$ 642.15	shallow girdling roots
12	PP	24	50	140	0.8	0.7	0.1	2.4	$ 1,010.94	lightning damage, shallow roots
13	PP	7	18	50	0.8	0.7	0.6	4.2	$ 641.82	spadable, thin foliage
14	PP	7	16	50	0.8	0.7	0.6	4.2	$ 641.82	spadable, thin foliage
15	PP	6	13	50	0.8	0.7	0.3	1.8	$ 254.01	partially overtopped, spadable
16	PP	7	18	50	0.8	0.7	0.6	4.2	$ 641.82	spadable, low quality
17	PP	7	22	50	0.8	0.7	0.8	5.6	$ 855.76	spadable
18	PP	24	60	140	0.8	0.7	0.3	7.2	$ 3,032.82	mature, thin foliage, girdling roots?
19A	PP	27	60	140	0.8	0.7	0.1	2.7	$ 1,273.38	turpentine beetles, lightning damage
19B	PP	13	18	100	0.8	0.7	0.1	1.3	$ 312.81	girdled by 19A, overtopped
20	PP	20	50	130	0.8	0.7	0.3	6	$ 2,127.13	spadable, low quality
21	PP	5	12	50	0.8	0.7	0.5	2.5	$ 329.01	spadable, low quality
22	PP	5	15	50	0.8	0.7	0.5	2.5	$ 329.01	spadable, low quality
23	PP	6	18	55	0.8	0.7	0.5	3	$ 423.35	spadable, low quality
24	PP	6	18	55	0.8	0.7	0.5	3	$ 423.35	spadable, low quality
25	PP	6	18	55	0.8	0.7	0.5	3	$ 423.35	spadable, low quality
26	PP	6	18	55	0.8	0.7	0.5	3	$ 423.35	spadable, low quality
27	PP	5	18	50	0.8	0.7	0.3	1.5	$ 197.41	spadable, low quality
28	PP	6	20	55	0.8	0.7	0.5	3	$ 423.35	spadable, low quality
29	PP	7	20	55	0.8	0.7	0.5	3.5	$ 534.85	spadable, low quality
30	PP	6	18	55	0.8	0.7	0.6	3.6	$ 508.02	spadable, low quality
31	PP	6	15	55	0.8	0.7	0.3	1.8	$ 254.01	spadable, low quality
32	PP	6	18	55	0.8	0.7	0.5	3	$ 423.35	spadable, low quality
33	PP	7	20	55	0.8	0.7	0.5	3.5	$ 534.85	spadable, low quality
34	PP	6	15	55	0.8	0.7	0.5	3	$ 423.35	spadable, low quality
35	PP	7	20	55	0.8	0.7	0.5	3.5	$ 534.85	spadable, low quality
36	PP	10	30	70	0.8	0.7	0.5	5	$ 972.25	on slope, spadable, low quality
38	PP	7	25	60	0.8	0.7	0.3	2.1	$ 320.91	spadable, low quality
39	PP	7	18	60	0.8	0.7	0.3	2.1	$ 320.91	on slope, spadable, low quality
40	PP	10	35	70	0.8	0.7	0.5	5	$ 972.25	spadable, low quality
41	PP	10	40	80	0.8	0.7	0.5	5	$ 972.25	spadable, low quality
42	PP	10	35	75	0.8	0.7	0.3	3	$ 583.35	overtopped, spadable, low quality
43	PP	12	40	80	0.8	0.7	0.5	6	$ 1,349.62	spadable, low quality
44	PP	10	35	75	0.8	0.7	0.5	5	$ 972.25	spadable, low quality
45	PP	13	50	90	0.8	0.7	0.5	6.5	$ 1,564.04	spadable, low quality
46	PP	8	20	60	0.8	0.7	0.5	4	$ 663.50	spadable, low quality
47	PP	10	25	70	0.8	0.7	0.5	5	$ 972.25	spadable, low quality
48	PP	8	22	60	0.8	0.7	0.5	4	$ 663.50	spadable, low quality
49	PP	6	15	60	0.8	0.7	0.3	1.8	$ 254.01	spadable, low quality
50	PP	16	55	130	0.8	0.7	0.3	4.8	$ 1,386.12	shallow roots, one sided, thin foliage
51	PP	16	55	0	0.8	0.7	0	0	$ -	dead
52	PP	16	50	130	0.8	0.7	0.2	3.2	$ 924.08	shallow roots, thin foliage
53	PP	13	40	0	0.8	0.7	0	0	$ -	dead
54	PP	14	55	120	0.8	0.7	0.4	5.6	$ 1,436.48	inside group
55	PP	11	50	110	0.8	0.7	0.4	4.4	$ 921.89	inside group
56	PP	14	55	120	0.8	0.7	0.4	5.6	$ 1,436.48	inside group
57	PP	16	55	120	0.8	0.7	0.4	6.4	$ 1,848.16	outside of group
58	PP	8	25	100	0.8	0.7	0.1	0.8	$ 132.70	not spadable, overtopped, suppressed
59	PP	14	55	120	0.8	0.7	0.4	5.6	$ 1,436.48	shallow roots, inside group
60	PP	17	55	120	0.8	0.7	0.2	3.4	$ 1,037.29	lightning damage, thin foliage
61A	PP	9	25	80	0.8	0.7	0.2	1.8	$ 323.72	included bark at 1, spadable, low quality
61B	PP	7	22	80	0.8	0.7	0.2	1.4	$ 213.94	included bark at 1, spadable, low quality
62	PP	16	50	120	0.8	0.7	0.1	1.6	$ 462.04	lightning defect, thin foliage
63	PP	6	20	70	0.8	0.7	0.5	3	$ 423.35	spadable, low quality

TREE #	Species	DBH	HGT	AGE	Spec. %	Loc. %	Cond. %	Mitigation Inches	VALUE	Comments
64	PP	9	35	80	0.8	0.7	0.5	4.5	$ 809.30	spadable, low quality
65	PP	9	35	80	0.8	0.7	0.4	3.6	$ 647.44	porcupine damage, spadable, low quality
66	PP	10	30	80	0.8	0.7	0.3	3	$ 583.35	inside group, spadable, low quality
67	PP	9	35	80	0.8	0.7	0.4	3.6	$ 647.44	spadable, low quality
68	PP	12	45	90	0.8	0.7	0.5	6	$ 1,349.62	spadable, low quality
69	PP	12	40	90	0.8	0.7	0.5	6	$ 1,349.62	spadable, low quality
70	PP	13	45	90	0.8	0.7	0.5	6.5	$ 1,564.04	spadable, low quality
71	PP	8	40	80	0.8	0.7	0.1	0.8	$ 132.70	not spadable, overtopped, suppressed
72	PP	14	40	110	0.8	0.7	0.3	4.2	$ 1,077.36	mature, thin foliage, poor site
73	PP	6	18	70	0.8	0.7	0.3	1.8	$ 254.01	bark damage, spadable, low quality
74	PP	10	35	80	0.8	0.7	0.3	3	$ 583.35	bark damage, spadable, low quality
75	PP	12	50	90	0.8	0.7	0.5	6	$ 1,349.62	forked top
76	PP	10	40	85	0.8	0.7	0.5	5	$ 972.25	spadable, low quality
77	PP	8	30	75	0.8	0.7	0.5	4	$ 663.50	spadable, low quality
78	PP	10	40	85	0.8	0.7	0.3	3	$ 583.35	porcupine damage, spadable, low quality
79	PP	12	50	90	0.8	0.7	0.5	6	$ 1,349.62	porcupine damage, spadable, low quality
80	PP	19	60	120	0.8	0.7	0.3	5.7	$ 1,926.44	lightning damage
81	PP	17	60	120	0.8	0.7	0.3	5.1	$ 1,555.93	inside group, one sided with lean
82	PP	17	60	120	0.8	0.7	0.3	5.1	$ 1,555.93	inside group, one sided with lean
83	PP	0	45	110	0.8	0.7	0	0	$ -	Dead
84	PP	17	60	120	0.8	0.7	0.3	5.1	$ 1,555.93	defect at 3', one sided with lean
85	PP	12	45	90	0.8	0.7	0.3	3.6	$ 809.77	not spadable, shallow roots
86	PP	17	60	120	0.8	0.7	0.3	5.1	$ 1,555.93	one sided, group with 87
87	PP	17	50	120	0.8	0.7	0.2	3.4	$ 1,037.29	partially overtopped, one sided, with 86
88	PP	28	70	140	0.8	0.7	0.1	2.8	$ 1,367.72	lightning damage
89	PP	24	65	130	0.8	0.7	0.1	2.4	$ 1,010.94	dead top, one sided
90	PP	18	65	120	0.8	0.7	0.4	7.2	$ 2,314.72	one sided with lean to SW
91A	PP	16	65	120	0.8	0.7	0.1	1.6	$ 462.04	included bark at 3'
91B	PP	14	60	120	0.8	0.7	0.1	1.4	$ 359.12	included bark at 3'
92	PP	8	18	90	0.8	0.7	0.1	0.8	$ 132.70	not spadable, overtopped by 93
93	PP	20	65	130	0.8	0.7	0.1	2	$ 709.04	lightning damage
94	PP	9	30	80	0.8	0.7	0.5	4.5	$ 809.30	on side slope, spadable
95	PP	12	40	90	0.8	0.7	0.5	6	$ 1,349.62	porcupine damage, spadable, low quality
96	PP	10	30	80	0.8	0.7	0.5	5	$ 972.25	spadable, forked top
97	PP	12	40	90	0.8	0.7	0.5	6	$ 1,349.62	spadable, fork at 10'
98	PP	9	30	80	0.8	0.7	0.2	1.8	$ 323.72	partially overtopped
99	PP	6	18	70	0.8	0.7	0.1	0.6	$ 84.67	overtopped, suppressed
100	PP	19	60	120	0.8	0.7	0.5	9.5	$ 3,210.74	mature
101	PP	12	35	90	0.8	0.7	0.5	6	$ 1,349.62	spadable, on side slope
102	PP	17	55	120	0.8	0.7	0.5	8.5	$ 2,593.22	Mature
103	PP	6	20	60	0.8	0.7	0.5	3	$ 423.35	spadable, low quality
104	PP	10	25	80	0.8	0.7	0.5	5	$ 972.25	spadable, low quality
105	PP	14	55	100	0.8	0.7	0.8	11.2	$ 2,872.96	OK
106	PP	11	45	90	0.8	0.7	0.8	8.8	$ 1,843.78	OK
107	PP	13	50	120	0.8	0.7	0.5	6.5	$ 1,564.04	fair condition, on slope
108	PP	6	20	50	0.8	0.7	0.8	4.8	$ 677.36	good condition, spadable
109	PP	9	30	35	0.8	0.7	0.4	3.6	$ 647.44	in gully, not spadable
110	PP	6	18	40	0.8	0.7	0.8	4.8	$ 677.36	good condition, spadable
111	PP	6	18	40	0.8	0.7	0.8	4.8	$ 677.36	good condition, spadable
112	PP	7	20	40	0.8	0.7	0.6	4.2	$ 641.82	fair condition, poor quality spade tree
113	PP	6	18		0.8	0.7	0.5	3	$ 423.35	fair condition, poor quality spade tree
114	PP	6	20	50	0.8	0.7	0.5	3	$ 423.35	not spadable, in clump/grove
115	PP	6	20	50	0.8	0.7	0.5	3	$ 423.35	not spadable, in clump/grove
116	PP	6	20	50	0.8	0.7	0.5	3	$ 423.35	not spadable, in clump/grove
117	PP	6	20	50	0.8	0.7	0.5	3	$ 423.35	not spadable, in clump/grove
118	PP	6	20	50	0.8	0.7	0.5	3	$ 423.35	not spadable, in clump/grove
							TOTAL	**459.9**	$103,822.02	

SITE TREE INVENTORY - DECIDUOUS TREE SURVEY

TREE #	Species	DBH	HGT	AGE	Spec. %	Loc. %	Cond. %	Mitigation Inches	VALUE	Comments
22A	CW	22	65		0.7	0.5	0.3	6.6	$1,579.14	decay and dieback present
22B	CW	15	65		0.7	0.5	0.3	4.5	$ 746.14	decay and dieback present
22C	CW	20	65		0.7	0.5	0.3	6.0	$1,308.98	decay and dieback present
22D	CW	22	65		0.7	0.5	0.3	6.6	$1,579.14	decay and dieback present
23	CW	12	55		0.7	0.5	0.3	3.6	$ 485.63	decay and dieback present
24	CW	18	60		0.7	0.5	0.3	5.4	$1,064.55	decay and dieback present
25	CW	7	40		0.7	0.5	0.1	0.9	$ 60.03	decay and dieback present
26	CW	9	50		0.7	0.5	0.3	6.3	$ 283.01	decay and dieback present
27	CW	21	65		0.7	0.5	0.3	1.5	$1,440.84	fork at 15', decay and dieback
28	CW	5	35		0.7	0.5	0.1	0.6	$ 34.30	severe decay and dieback
29A	CW	6	45		0.7	0.5	0.3	1.2	$ 138.28	decay and dieback present
29B	CW	4	20		0.7	0.5	0.3	1.5	$ 73.95	decay and dieback present
29C	CW	5	35		0.7	0.5	0.3	1.5	$ 102.90	decay and dieback present
29D	CW	5	35		0.7	0.5	0.3	2.4	$ 102.90	decay and dieback present
29E	CW	8	45		0.7	0.5	0.3	0.0	$ 228.33	decay and dieback present
30	CW	8	55		0.7	0.5	0.3	2.4	$ 228.33	decay and dieback present
31A	CW	15	60		0.7	0.5	0.3	4.5	$ 746.14	decay and dieback present
31B	CW	8	50		0.7	0.5	0.3	2.4	$ 228.33	decay and dieback present
32	CW	21	65		0.7	0.5	0.3	6.3	$1,440.84	decay and dieback present
33	CW	14	65		0.7	0.5	0.3	4.2	$ 652.87	decay and dieback present
34	CW	16	65		0.7	0.5	0.3	4.8	$ 845.84	decay and dieback present
35	CW	16	65		0.7	0.5	0.3	4.8	$ 845.84	decay and dieback present
36A	CW	22	65		0.7	0.5	0.1	2.2	$ 526.38	included bark, decay/dieback
36B	CW	18	65		0.7	0.5	0.1	1.8	$ 354.85	included bark, decay/dieback
37	CW	8	50		0.7	0.5	0.1	0.8	$ 76.11	severe decay and dieback
38A	CW	9	60		0.7	0.5	0.3	2.7	$ 283.01	decay and dieback present
38B	CW	11	60		0.7	0.5	0.3	3.3	$ 411.66	decay and dieback present
38C	CW	7	55		0.7	0.5	0.3	2.1	$ 180.09	decay and dieback present
39	CW	5	40		0.7	0.5	0.3	1.5	$ 102.90	decay and dieback present
40	CW	8	55		0.7	0.5	0.3	2.4	$ 228.33	decay and dieback present
41	CW	8	50		0.7	0.5	0.3	2.4	$ 228.33	decay and dieback present
42	CW	11	55		0.7	0.5	0.1	0.8	$ 137.22	severe decay and dieback
43A	CW	9	55		0.7	0.5	0.3	3.3	$ 283.01	decay and dieback present
43B	CW	9	55		0.7	0.5	0.3	2.7	$ 283.01	decay and dieback present
44	CW	8	50		0.7	0.5	0	0.0	$ -	dead
45A	CW	5	45		0.7	0.5	0	0.0	$ -	dead
45B	CW	6	40		0.7	0.5	0.3	1.5	$ 138.28	decay and dieback present
45C	CW	8	50		0.7	0.5	0.3	1.8	$ 228.33	decay and dieback present
45D	CW	6	45		0.7	0.5	0.3	2.4	$ 138.28	decay and dieback present
45E	CW	8	50		0.7	0.5	0.3	1.8	$ 228.33	decay and dieback present
45F	CW	9	50		0.7	0.5	0.3	2.4	$ 283.01	decay and dieback present
45G	CW	6	45		0.7	0.5	0.3	2.7	$ 138.28	decay and dieback present
45H	CW	9	55		0.7	0.5	0.3	1.8	$ 283.01	decay and dieback present
46	CW	9	50		0.7	0.5	0.1	0.9	$ 94.34	on slope, decay and dieback
47A	CW	8	50		0.7	0.5	0.1	0.9	$ 76.11	on slope, decay and dieback
47B	CW	10	50		0.7	0.5	0.1	0.8	$ 114.70	on slope, decay and dieback
48A	CW	4	30		0.7	0.5	0.1	1.0	$ 24.65	on slope, decay and dieback
48B	CW	4	30		0.7	0.5	0.1	0.4	$ 24.65	on slope, decay and dieback
49	CW	6	40		0.7	0.5	0	0.0	$ -	dead
50A	CW	14	55		0.7	0.5	0.3	4.2	$ 652.87	decay and dieback present
50B	CW	6	30		0.7	0.5	0.1	0.6	$ 46.09	decay and dieback present

TREE #	Species	DBH	HGT	AGE	Spec. %	Loc. %	Cond. %	Mitigation Inches	VALUE	Comments
51A	CW	5	35		0.7	0.5	0.3	1.5	$ 102.90	decay and dieback present
51B	CW	7	40		0.7	0.5	0.3	2.1	$ 180.09	decay and dieback present
51C	CW	8	40		0.7	0.5	0.3	2.4	$ 228.33	decay and dieback present
51D	CW	6	40		0.7	0.5	0.3	1.8	$ 138.28	decay and dieback present
52	CW	9	55		0.7	0.5	0.3	2.7	$ 283.01	decay and dieback present
53	CW	7	30		0.7	0.5	0	0.0	$ -	dead
54	CW	11	55		0.7	0.5	0.3	3.3	$ 411.66	decay and dieback present
55	CW	13	55		0.7	0.5	0	0.0	$ -	dead
56C	CW	6	40		0.7	0.5	0.3	1.8	$ 138.28	decay and dieback present
56D	CW	10	55		0.7	0.5	0.3	3.0	$ 344.11	decay and dieback present
58H	CW	5	30		0.7	0.5	0	0.0	$ -	dead
58I	CW	10	55		0.7	0.5	0.3	0.9	$ 344.11	decay and dieback present
66A	CW	9	55		0.7	0.5	0.3	4.2	$ 283.01	decay and dieback present
66B	CW	7	40		0.7	0.5	0.3	2.7	$ 180.09	decay and dieback present
66C	CW	12	55		0.7	0.5	0.3	2.1	$ 485.63	decay and dieback present
66D	CW	4	25		0.7	0.5	0.3	3.6	$ 73.95	decay and dieback present
66E	CW	4	30		0.7	0.5	0.3	1.2	$ 73.95	decay and dieback present
66F	CW	14	55		0.7	0.5	0.3	1.2	$ 652.87	bacterial wetwood, dieback and decay
67	CW	10	55		0.7	0.5	0	0.0	$ -	dead
68A	CW	6	30		0.7	0.5	0.3	3.0	$ 138.28	bacterial wetwood, dieback and decay
68B	CW	12	55		0.7	0.5	0	0.0	$ -	dead
68C	CW	12	55		0.7	0.5	0.3	3.6	$ 485.63	bacterial wetwood, dieback and decay
68D	CW	11	55		0.7	0.5	0	0.0	$ -	dead
68E	CW	4	35		0.7	0.5	0	0.0	$ -	dead
68F	CW	11	55		0.7	0.5	0	0.0	$ -	dead
83	willow	10	30		0.7	0.5	0.1	1.0	$ 114.70	severe dieback and decay
84	willow	10	30		0.7	0.5	0.1	1.0	$ 114.70	severe dieback and decay
85	CW	18	55		0.7	0.5	0.1	1.8	$ 354.85	included bark at base, in ravine
86	CW	15	55		0.7	0.5	0.1	1.5	$ 248.71	included bark at base, in ravine
87A	CW	6	30		0.7	0.5	0.1	0.6	$ 46.09	in partial fill at bottom of ravine
87B	CW	4	20		0.7	0.5	0.1	0.4	$ 24.65	in partial fill at bottom of ravine
						TOTAL		**174.6**	**$25,230.01**	

TREE REMOVAL SUMMARY

TREE #	Species	DBH	Cond. %	Mitigation Inches
TR48	PP	8	0.5	4.0
TR51	PP	16	0	0.0
TR53	PP	13	0	0.0
TR69	PP	12	0.5	6.0
TR73	PP	6	0.3	1.8
TR78	PP	10	0.3	3.0
TR79	PP	12	0.5	6.0
TR80	PP	19	0.3	5.7
TR81	PP	17	0.3	5.1
TR82	PP	17	0.3	5.1
TR83	PP	0	0	0.0
TR84	PP	17	0.3	5.1
TR85	PP	12	0.3	3.6
TR86	PP	17	0.3	5.1
TR87	PP	17	0.2	3.4
TR88	PP	28	0.1	2.8
TR89	PP	24	0.1	2.4
TR90	PP	18	0.4	7.2
TR91A	PP	16	0.1	1.6
TR91B	PP	14	0.1	1.4
TR92	PP	8	0.1	0.8
TR93	PP	20	0.1	2.0
TR94	PP	9	0.5	4.5
TR95	PP	12	0.5	6.0
TR96	PP	10	0.5	5.0
TR97	PP	12	0.5	6.0
TR98	PP	9	0.2	1.8
TR99	PP	6	0.1	0.6
TR100	PP	19	0.5	9.5
TR101	PP	12	0.5	6.0
TR102	PP	17	0.5	8.5

* REFER TO NOTE 3.

TREE #	Species	DBH	Cond. %	Mitigation Inches
TR103	PP	6	0.5	3.0
TR104	PP	10	0.5	5.0
TR105	PP	14	0.8	11.2
TR107	PP	13	0.5	6.5
TR108	PP	6	0.8	4.8
TR109	PP	9	0.4	3.6
TR111	PP	6	0.8	4.8
CW32	CW	21	0.3	6.3
CW33	CW	14	0.3	4.2
CW34	CW	16	0.3	4.8
CW35	CW	16	0.3	4.8
GP36A	CW	22	0.1	2.2
GP36B	CW	18	0.1	1.8
CW37	CW	8	0.1	0.8
GP38A	CW	9	0.3	2.7
GP38B	CW	11	0.3	3.3
GP38C	CW	7	0.3	2.1
CW39	CW	5	0.3	1.5
CW40	CW	8	0.3	2.4
CW41	CW	8	0.3	2.4
CW42	CW	11	0.1	0.8
GP43A	CW	9	0.3	3.3
GP43B	CW	9	0.3	2.7
CW44	CW	8	0	0.0
GP45A	CW	5	0	0.0
GP45B	CW	6	0.3	1.5
GP45C	CW	8	0.3	1.8
GP45D	CW	6	0.3	2.4
GP45E	CW	8	0.3	1.8
GP45F	CW	9	0.3	2.4
GP45G	CW	6	0.3	2.7

TREE #	Species	DBH	Cond. %	Mitigation Inches
GP45H	CW	9	0.3	1.8
CW46	CW	9	0.1	0.9
GP47A	CW	8	0.1	0.9
GP47B	CW	10	0.1	0.8
GP48A	CW	4	0.1	1.0
GP48B	CW	4	0.1	0.4
CW49	CW	6	0	0.0
CW50*	CW			4.8
GP51A	CW	5	0.3	1.5
GP51B	CW	7	0.3	2.1
GP51C	CW	8	0.3	2.4
GP51D	CW	6	0.3	1.8
GP66A	CW	9	0.3	4.2
GP66B	CW	7	0.3	2.7
GP66C	CW	12	0.3	2.1
GP66D	CW	4	0.3	3.6
GP66E	CW	4	0.3	1.2
GP66F	CW	14	0.3	1.2
GP67	CW	10	0	0.0
GP68A	CW	6	0.3	3.0
GP68B	CW	12	0	0.0
GP68C	CW	12	0.3	3.6
GP68D	CW	11	0	0.0
GP68E	CW	4	0	0.0
GP68F	CW	11	0	0.0
CW83	willow	10	0.1	1.0
CW84	willow	10	0.1	1.0
CW85	CW	18	0.1	1.8
CW86	CW	15	0.1	1.5
CW87A	CW	6	0.1	0.6
CW87B	CW	4	0.1	0.4
		TOTAL		**263.9**

LOT TREE PRESERVATION

TREE #	Species	DBH	Cond. %	Mitigation Inches
TR30	PP	6	0.6	3.6
TR47	PP	10	0.5	5.0
TR112	PP	7	0.6	4.2
		TOTAL		**12.8**

NOTE:

1. TREES WILL BE PRESERVED DURING INITIAL DEVELOPMENT STAGES, BUT WILL BE MITIGATED IN CASE THEY REQUIRE REMOVAL DURING THE BUILDING PHASE.

ESCROW SUMMARY

TREE #	Species	DBH	HGT	AGE	Spec. %	Loc. %	Cond. %	VALUE
TR30	PP	6	18	55	0.8	0.7	0.6	$ 508.00
TR47	PP	10	25	70	0.8	0.7	0.5	$ 972.25
TR112	PP	7	20	40	0.8	0.7	0.6	$ 642.00
						TOTAL		**$2,122.25**

50' BUFFER SUMMARY

TREE #	Species	DBH	HGT	AGE	Spec. %	Loc. %	Cond. %	VALUE
TR13	PP	7	18	50	0.8	0.7	0.6	$ 641.82
TR14	PP	7	16	50	0.8	0.7	0.6	$ 641.82
TR15	PP	6	13	50	0.8	0.7	0.3	$ 254.01
TR21	PP	5	12	50	0.8	0.7	0.5	$ 329.01
TR22	PP	5	15	50	0.8	0.7	0.5	$ 329.01
TR23	PP	6	18	55	0.8	0.7	0.5	$ 423.35
TR24	PP	6	18	55	0.8	0.7	0.5	$ 423.35
TR25	PP	6	18	55	0.8	0.7	0.5	$ 423.35
TR26	PP	6	18	55	0.8	0.7	0.5	$ 423.35
TR27	PP	5	18	50	0.8	0.7	0.3	$ 197.41
TR28	PP	6	20	55	0.8	0.7	0.5	$ 423.35
TR29	PP	7	20	55	0.8	0.7	0.5	$ 534.85
TR31	PP	6	15	55	0.8	0.7	0.3	$ 254.01
TR32	PP	6	18	55	0.8	0.7	0.5	$ 423.35
TR33	PP	7	20	55	0.8	0.7	0.5	$ 534.85
TR34	PP	6	15	55	0.8	0.7	0.5	$ 423.35
TR35	PP	7	20	55	0.8	0.7	0.5	$ 534.85
TR36	PP	10	30	70	0.8	0.7	0.5	$ 972.25
TR38	PP	7	25	60	0.8	0.7	0.3	$ 320.91
TR39	PP	7	18	60	0.8	0.7	0.3	$ 320.91
TR40	PP	10	35	70	0.8	0.7	0.5	$ 972.25
TR41	PP	10	40	80	0.8	0.7	0.5	$ 972.25
TR42	PP	10	35	75	0.8	0.7	0.3	$ 583.35
TR43	PP	12	40	80	0.8	0.7	0.5	$ 1,349.62

TREE #	Species	DBH	HGT	AGE	Spec. %	Loc. %	Cond. %	VALUE
TR44	PP	10	35	75	0.8	0.7	0.5	$ 972.25
TR45	PP	13	50	90	0.8	0.7	0.5	$ 1,564.04
TR46	PP	8	20	60	0.8	0.7	0.5	$ 663.50
TR49	PP	6	15	60	0.8	0.7	0.3	$ 254.01
TR61A	PP	9	25	80	0.8	0.7	0.2	$ 323.72
TR61B	PP	7	22	80	0.8	0.7	0.2	$ 213.94
TR63	PP	6	20	70	0.8	0.7	0.5	$ 423.35
TR64	PP	9	35	80	0.8	0.7	0.5	$ 809.30
TR65	PP	9	35	80	0.8	0.7	0.4	$ 647.44
TR66	PP	10	30	80	0.8	0.7	0.3	$ 583.35
TR67	PP	9	35	80	0.8	0.7	0.4	$ 647.44
TR68	PP	12	45	90	0.8	0.7	0.5	$ 1,349.62
TR70	PP	13	45	90	0.8	0.7	0.5	$ 1,564.04
TR71	PP	8	40	80	0.8	0.7	0.1	$ 132.70
TR72	PP	14	40	110	0.8	0.7	0.3	$ 1,077.36
TR74	PP	10	35	80	0.8	0.7	0.3	$ 583.35
TR75	PP	12	50	90	0.8	0.7	0.5	$ 1,349.62
TR76	PP	10	40	85	0.8	0.7	0.5	$ 972.25
TR77	PP	8	30	75	0.8	0.7	0.5	$ 663.50
TR113	PP	6	18		0.8	0.7	0.5	$ 423.35
						TOTAL		**$27,924.76**

NOTE:

1. EXISTING PONDEROSA PINES DESIGNATED TR A - TR Q ARE PART OF THE TIMBER RIDGE TPP. TREES TR B, TR C, TR D, TR E, TR G, TR H, AND TR I ARE WITHIN THE 50' BUFFER AND SHALL CARRY THE SAME PROTECTION AND PENALTIES AFFORDED TO OTHER EXISTING PONDEROSA PINES ON THE GUILFORD PROPERTY. THEIR REMOVAL IS PROHIBITED.

TREE PROTECTION NOTES

1. THE TREE INVENTORY PROVIDED BY THE FORESTER DID NOT INCLUDE A DESIGNATION OF TR37.
2. THE TREE INVENTORY PROVIDED BY THE FORESTER MISLABELS TREE TR17 AS TR7. THE LABEL HAS BEEN CORRECTED IN SUBMITTED PLANS.
3. THE TREE INVENTORY PROVIDED BY THE FORESTER LABELS A TREE AS CW50 ON THE SURVEY, BUT AS TWO TREES ON THE SURVEY CHARTS (50A AND 50B). IN THE TREE REMOVAL SUMMARY, BOTH TREE 50A AND 50B WILL BE COMBINED INTO CW50 AND THEIR MITIGATION INCHES TOTALED.
4. REPLACEMENT PONDEROSA PINES ARE TO BE A MINIMUM OF 8' TALL.
5. THE TREE REMOVAL SUMMARY DICTATES WHICH EXISTING TREES MAY BE REMOVED FROM THE SITE. NO TREE RELOCATION IS ALLOWED ON THE SITE.
6. EXISTING PONDEROSA PINES DESIGNATED TR A - TR Q ARE PART OF THE TIMBER RIDGE TPP. THESE TREES ARE NOT REPRESENTED IN THE TREE PROTECTION TABLES. THEY SHALL CARRY THE SAME PROTECTION AND PENALTIES AFFORDED TO OTHER EXISTING PONDEROSA PINES ON THE GUILFORD PROPERTY. THEIR REMOVAL IS PROHIBITED.

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No.	Revisions	Date	Init.	Appr.	Date

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2225 S. CLAYTON ST.
DENVER CO 80210

GUILFORD ESTATES
AURORA, COLORADO
TREE PROTECTION TABLES

SCALE: AS SHOWN
FILE NO: 8130286801
DRAWN BY:
CHECKED BY:
DATE: MARCH 14, 2017
SHEET NUMBER 2

P:\GUILFORD\DRAWINGS\SUBMITTALS\CSP-MAJOR AMENDMENT 03\TPP-LANDSCAPE_PLAN.DWG, WWOODARD, 3/14/2017 8:21 AM

NOT FOR CONSTRUCTION

TREE PROTECTION NOTES

1. PRIOR TO THE BEGINNING OF CONSTRUCTION, INSTALL BARRICADE FENCING AROUND ALL EXISTING TREES TO REMAIN. LOCATE FENCING AT OR OUTSIDE OF THE DRIP LINE OF THE TREES. BARRICADE FENCING SHALL BE 4' HEIGHT, ORANGE MESH FENCING ATTACHED TO 'T' POSTS.
2. FENCING SHALL BE MAINTAINED DAILY. TRESPASS BEYOND ESTABLISHED CONSTRUCTION LIMITS SHALL RESULT IN A FINE OF $100 . IF NOT PAID WITHIN 30 DAYS, THE FINE SHALL BE DEDUCTED FROM MONIES DUE TO CONTRACTOR. CONTRACTORS SHALL BE RESPONSIBLE FOR ALL OF THEIR WORKERS, SUBCONTRACTORS AND SUPPLIERS UNDER THIS REQUIREMENT. NO VEHICLE PARKING IS ALLOWED BEYOND CONSTRUCTION LIMITS.
3. CONSTRUCTION WITHIN THE ROOT ZONE OF TREES TO REMAIN SHALL BE RESTRICTED TO AGREED-UPON LIMITS WITH REGARD TO EXCAVATION, ACCESS, DIRT STOCKPILING, AND BACKFILL. VIOLATION OF SET LIMITS SHALL RESULT IN A FINE OF $100 PER INCIDENCE AND MAY BE INCREASED BASED ON THE PERCENTAGE OF ROOT ZONE AFFECTED TIMES THE VALUE OF THE TREE ESTABLISHED PRIOR TO CONSTRUCTION. IF MORE THAN 30% OF THE ROOT ZONE IS DAMAGED, THE FINE SHALL BE THE FULL VALUE OF THE TREE.
4. DAMAGE TO THE MAIN TRUNKS OF TREES IS PROHIBITED. DAMAGE NOT PREVIOUSLY APPROVED SHALL RESULT IN A FINE BASED ON THE PERCENTAGE OF THE CIRCUMFERENCE AFFECTED. DAMAGE GREATER THAN 30% OF THE CIRCUMFERENCE OR AFFECTING THE STRUCTURAL INTEGRITY OF THE TREE WILL RESULT IN A FINE EQUAL TO THE FULL APPRAISED VALUE OF THE TREE.
5. LIMB DAMAGE IS PROHIBITED, UNLESS APPROVED PRIOR TO CONSTRUCTION OR AS AUTHORIZED BY THE CITY OF AURORA FORESTRY DIVISION. PRUNING OF AFFECTED BRANCHES SHALL BE DONE PRIOR TO THE START OF CONSTRUCTION. DAMAGED BRANCHES SHALL BE PRUNED WITHIN 10 DAYS OF THE OCCURRENCE UTILIZING INTERNATIONAL SOCIETY OF ARBORICULTURE STANDARDS. UNAUTHORIZED BRANCH DAMAGE OR LOSS CAN RESULT IN A FINE OF $100 PER BRANCH AS MAY BE DETERMINED BY THE CONSTRUCTION MANAGER OR HIS FORESTRY CONSULTANT.
6. CONCRETE TRUCK WASHOUT AREAS SHALL BE IN DESIGNATED AREAS ONLY. WASHOUT RUNOFF SHALL NOT FLOW INTO OR ACROSS ROOT ZONES OF TREES.
7. TREE PROTECTION MEASURES SHALL BE IN PLACE PRIOR TO CONSTRUCTION AND INSPECTED BY THE CITY OF AURORA FORESTRY DIVISION.

City of Aurora
PARKS & OPEN SPACE DEPARTMENT
Date: August 1, 2006

TREE PROTECTION NOTES

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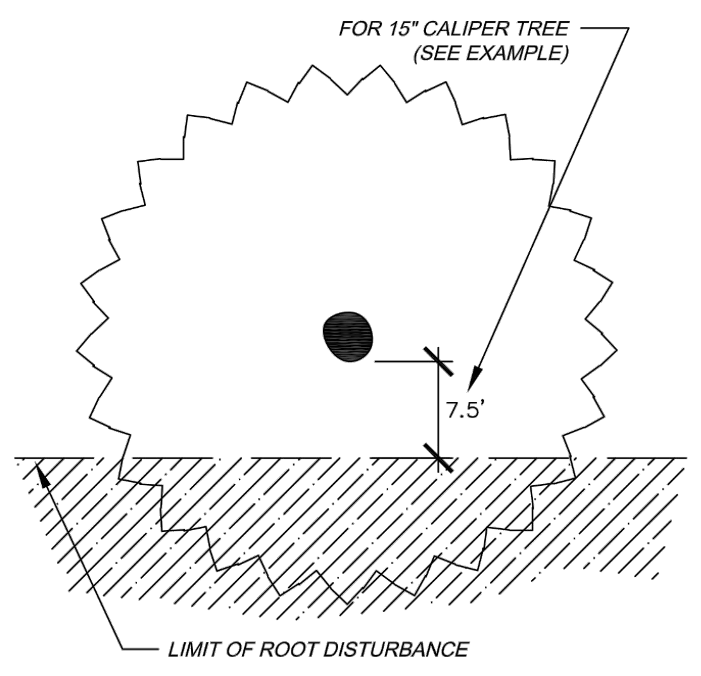

FORMULA FOR LIMIT OF DISTURBANCE:

ROOT ZONE DISTURBANCE SHALL NOT BE ALLOWED CLOSE TO THE TRUNK OF ANY TREE TO BE PRESERVED. MINIMUM DISTANCE BETWEEN THE TRUNK AND THE DISTURBANCE SHALL BE EQUAL TO 1/2 OF THE TREE'S DIAMETER CONVERTED TO FEET. (FOR EXAMPLE, FOR A TREE WITH A 15" DIAMETER TRUNK, THE DISTURBANCE CAN NOT BE CLOSER THAN 7.5 FEET FROM THE TRUNK.

REQUIRED TREATMENTS:

1. APPLY PREVENTATIVE SPRAY FOR MOUNTAIN PINE BEETLE (MPB) AND IPS TO PONDEROSA, AUSTRIAN & SCOTCH PINES. TREAT ALL BARK SURFACES, INCLUDING TOP BRANCHES.
2. IF DISTURBANCE LEAVES A CUT SLOPE, IMMEDIATELY APPLY MULCH AND WATER. IF DISTURBANCE IS A TRENCH, IMMEDIATELY BACKFILL AND WATER.
3. ONCE PER MONTH, EVALUATE TREE TO DETERMINE IF TREE IS LEANING OR IF BRANCHES / LEAVES ARE AFFECTED BY ROOT LOSS.
4. DO NOT FERTILIZE.
5. INSPECT TREE 2-3 TIMES PER YEAR FOR WATER NEEDS AND MONITOR FOR INSECTS.
6. PROVIDE SUPPLEMENTAL WATERING DURING 1-3 WINTERS.

City of Aurora
PARKS & OPEN SPACE DEPARTMENT
Date: August 1, 2006

TREE PRESERVATION MEASURES -- 1 SIDE

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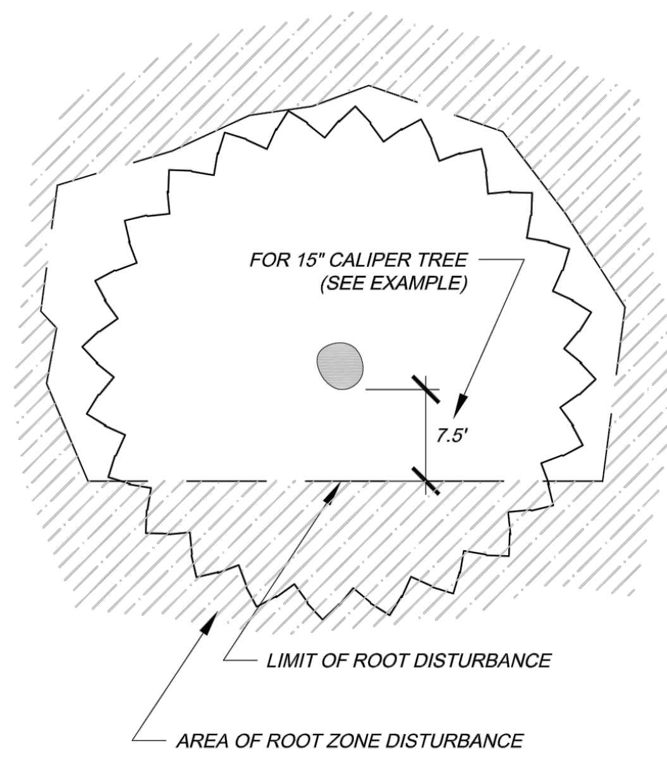

LIMITATIONS OF ROOT ZONE DISTURBANCE:

ROOT ZONE DISTURBANCE WITHIN THE DRIP LINE SHALL BE LIMITED TO ONE SIDE OF THE TRUNK OF TREES TO BE PRESERVED. MINIMUM DISTANCE BETWEEN THE TRUNK AND THE DISTURBANCE SHALL BE EQUAL TO 1/2 OF THE TREE'S DIAMETER CONVERTED TO FEET. (FOR EXAMPLE, FOR A TREE WITH A 15" DIAMETER TRUNK, THE DISTURBANCE CAN NOT BE CLOSER THAN 7.5 FEET FROM THE TRUNK.

REQUIRED TREATMENTS:

1. APPLY PREVENTATIVE SPRAY FOR MOUNTAIN PINE BEETLE (MPB) AND IPS TO PONDEROSA, AUSTRIAN & SCOTCH PINES. TREAT ALL BARK SURFACES, INCLUDING TOP BRANCHES.
2. IF DISTURBANCE LEAVES A CUT SLOPE WITHIN THE DRIPLINE, IMMEDIATELY APPLY MULCH AND WATER.
3. APPLY 3"-5" OF ORGANIC MULCH OVER THE AREA WITHIN THE DRIPLINE
4. EVERY 1-2 WEEKS, APPLY 50-100 GALLONS OF SUPPLEMENTAL WATER.
5. PROVIDE SUPPLEMENTAL WATER DURING 1-3 WINTERS
6. REGULARLY EVALUATE TREE TO DETERMINE IF TREE IS LEANING OR IF BRANCHES / LEAVES ARE AFFECTED BY ROOT LOSS.
7. INSPECT TREE 2-3 TIMES PER YEAR FOR WATER NEEDS AND MONITOR FOR INSECTS.
8. INSTALL STAKING OR SUPPORT FOR SMALLER PINE TREES.

City of Aurora
PARKS & OPEN SPACE DEPARTMENT
Date: August 1, 2006

TREE PROTECTION MEASURES -- 2+ SIDES

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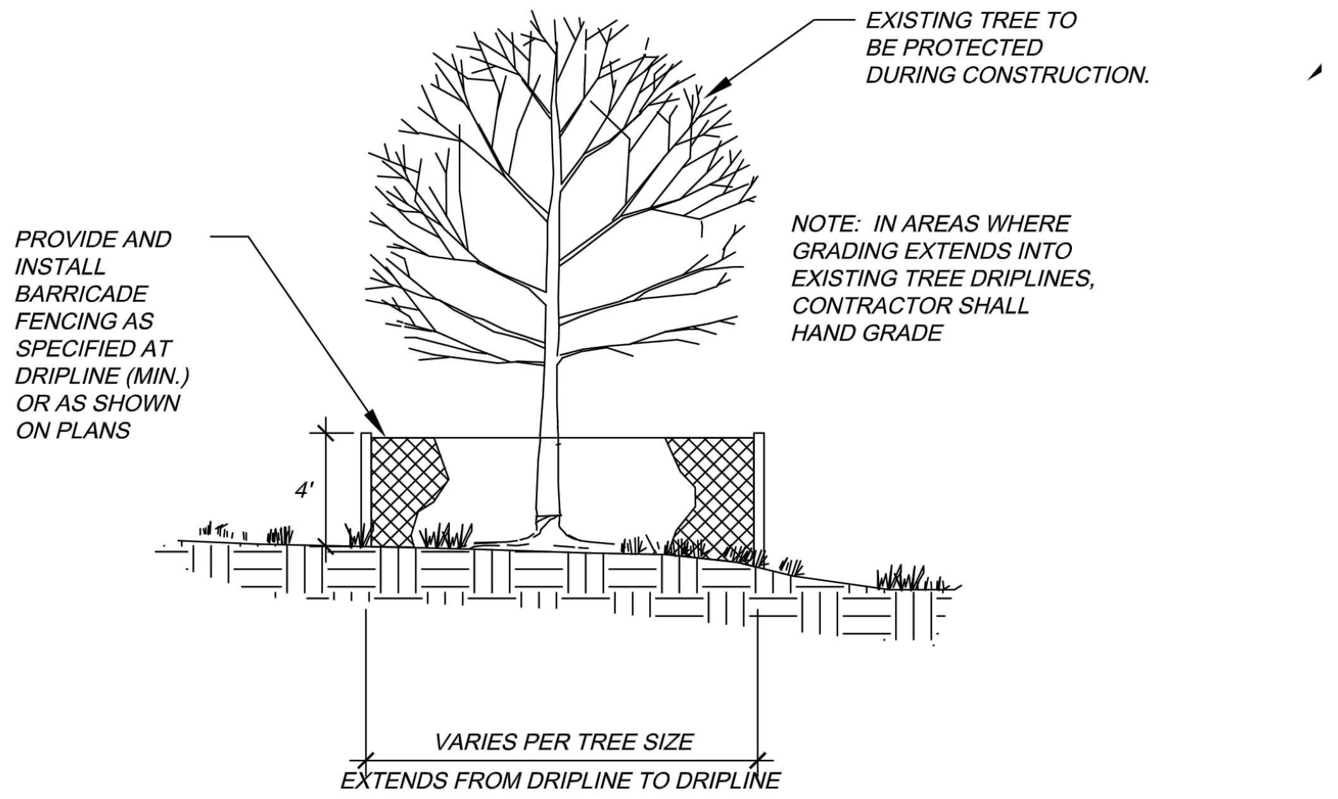

NOTE: IN AREAS WHERE GRADING EXTENDS INTO EXISTING TREE DRIPLINES, CONTRACTOR SHALL HAND GRADE

City of Aurora
PARKS & OPEN SPACE DEPARTMENT
Date: August 1, 2006

TREE PROTECTION FENCING

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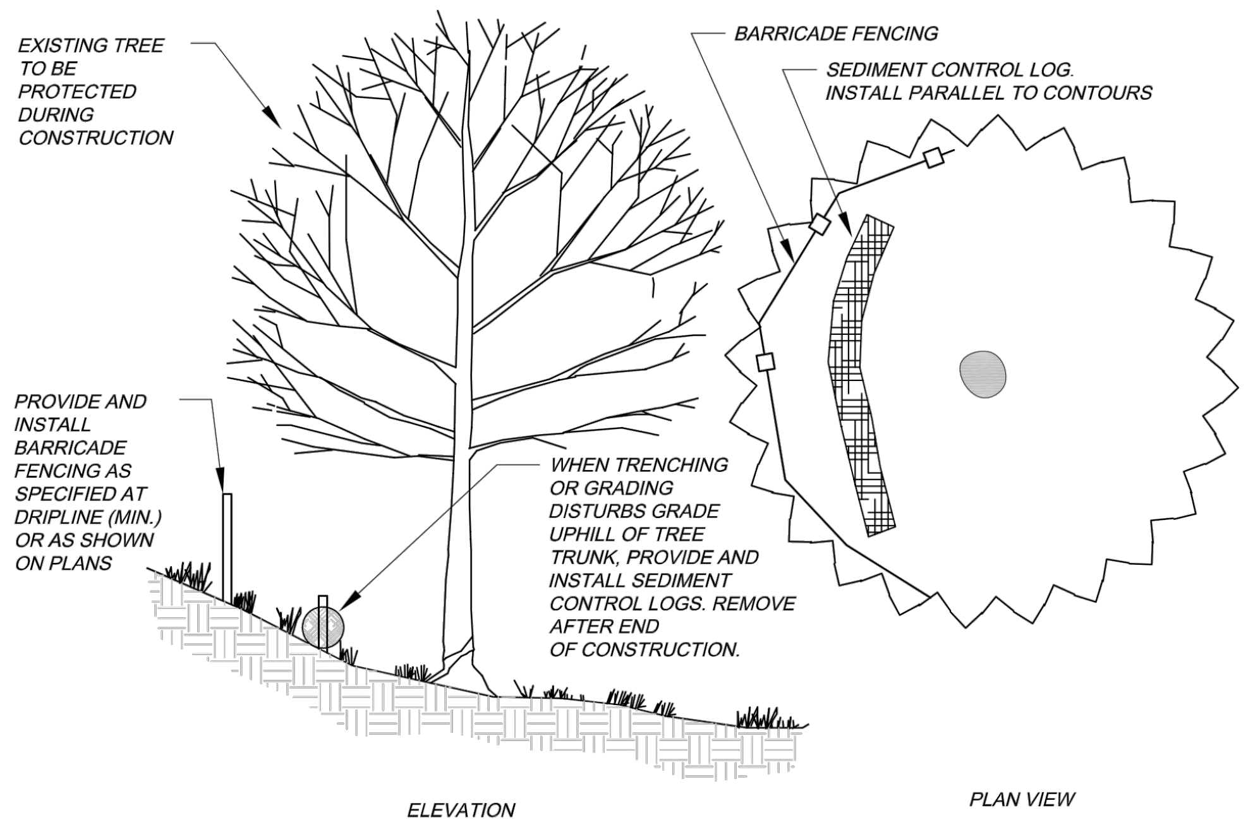

City of Aurora
PARKS & OPEN SPACE DEPARTMENT
Date: August 1, 2006

TREE PROTECTION ON A SLOPE

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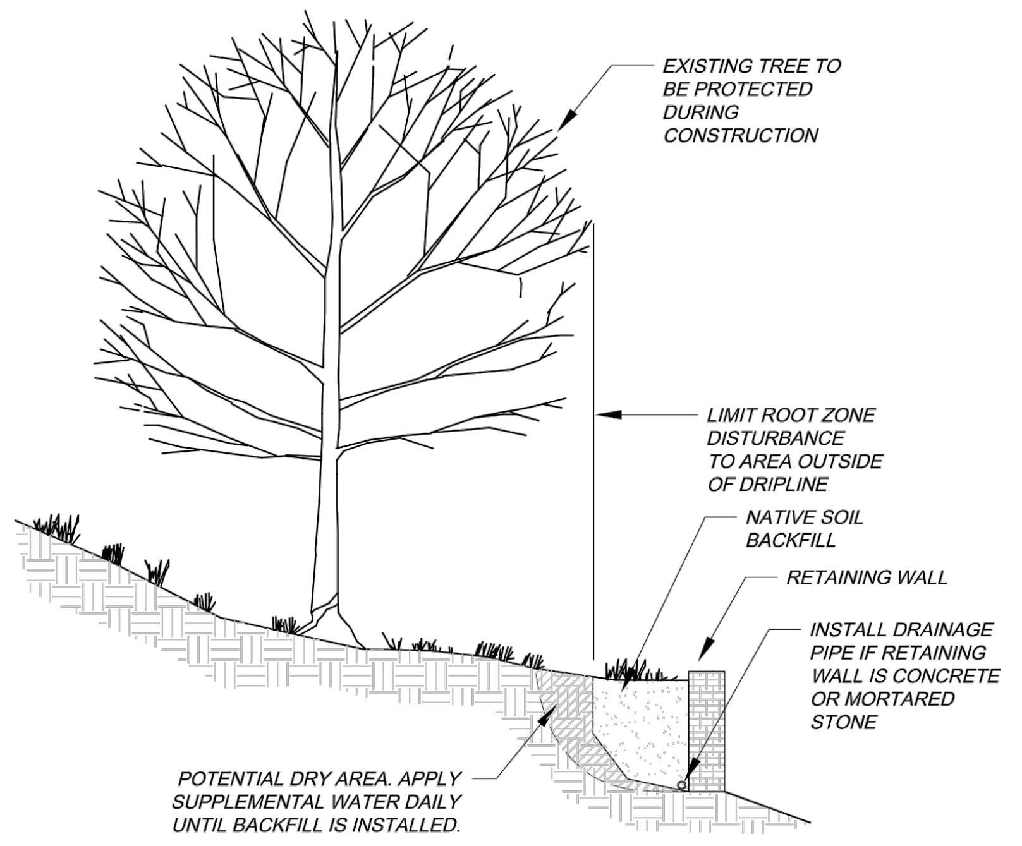

City of Aurora
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RETAINING WALL AT EXISTING TREE

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GUILFORD ESTATES
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TREE PROTECTION DETAILS

SCALE: AS SHOWN
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