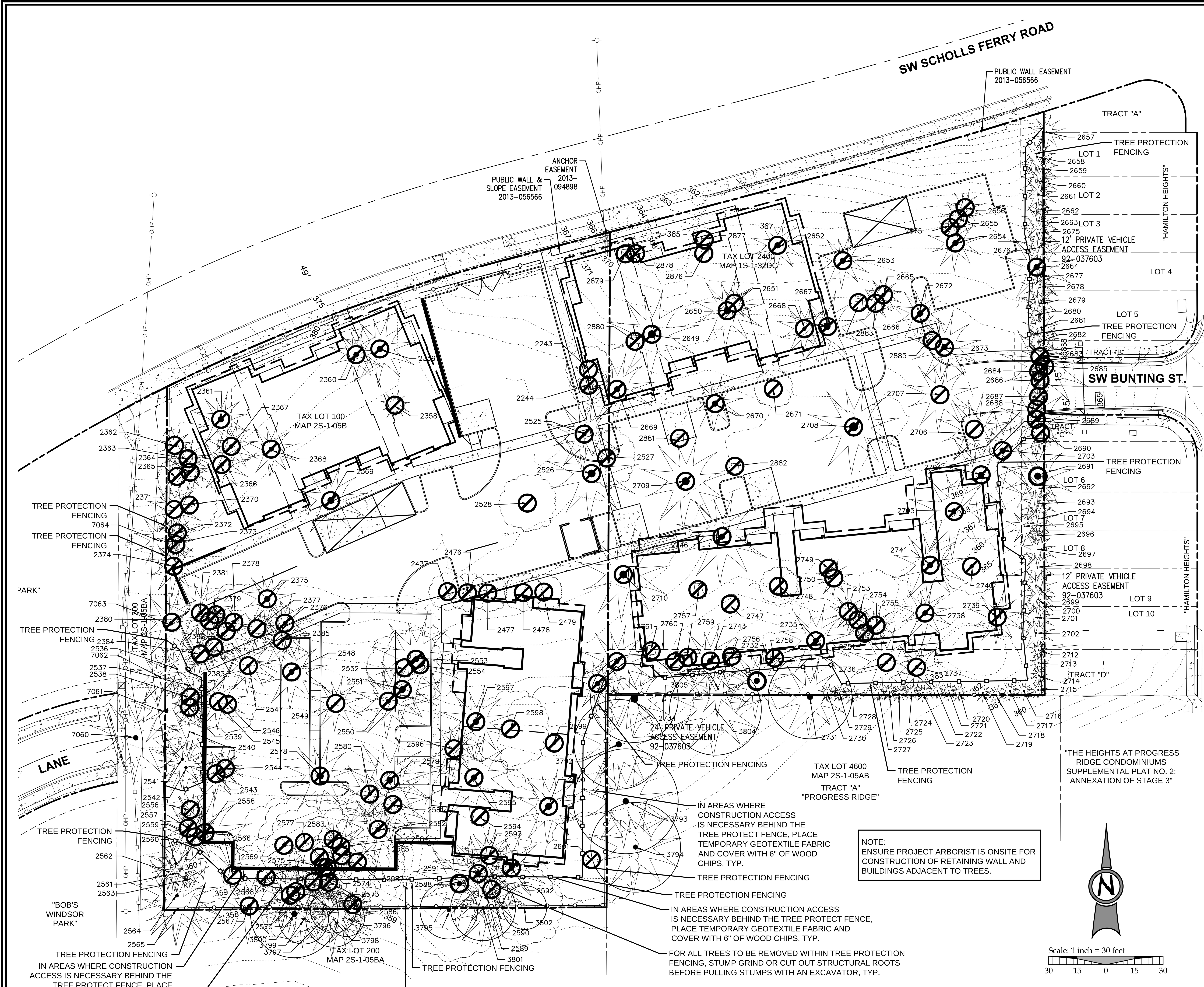
NOT FOR CONSTRUCTION



TREE PRESERVATION AND PROTECTION NOTES:

THE FOLLOWING INFORMATION CAN BE FOUND IN THE ARBORIST REPORT SATISFYING THE TREE RELATED REQUIREMENTS IN THE CITY OF BEAVERTON DEVELOPMENT CODE CHAPTERS 40.90 AND 60.60 PROVIDED TO MIKE WELLS (STPI, LLC) BY TODD PRAGER (TERAGAN & ASSOCIATES, INC.), ISA BOARD CERTIFIED MASTER ARBORIST, DATED OCTOBER 12, 2015.

1. DETAILED TREE INVENTORY
2. RECOMMENDATIONS FOR:
   A. TREE REMOVAL
   B. TREE PRESERVATION
   C. TREE MITIGATION
   D. TREE PROTECTION BEFORE, DURING AND AFTER CONSTRUCTION
3. TREE PLAN III STANDARDS AND FINDINGS
4. ASSUMPTIONS AND LIMITING CONDITIONS

TREE INVENTORY:

	OFF-SITE (ADJACENT PROPERTY)	ON-SITE (PROJECT BOUNDARY)			TOTAL
		SIG. GROVE**	EXEMPT *	COMMUNITY	
TREE INVENTORY:	6	113	77	16	242
TREES RETAINED:	6	12	47	14	95
TREES REMOVED:	0	101	30	2	147
CALIPER %:	100%	8.06%**	35.30%	87.08%	19.29%

* EXEMPT TREES INLCUDE HEMLOCK, MADRONE, AND BIGLEAF MAPLES LESS THAN 6-INCH DBH, ANY OTHER SPECIES LESS THAN 10-INCH DBH, TREES LISTED A NUISANCE SPECIES ON THE METRO NATIVE PLANT LIST (ORD. NO. 98-730C), TREES PRODUCING EDIBLE FRUITS, AND UNHEALTHY TREES (TREES WITH A CONDITION RATING OF VERY POOR OR POOR).

** IF CITY AND PROJECT ARBORIST DETERMINE THAT RETENTION IS FEASIBLE FOR TREES 2588, 2691 & 2732, CALIPER % WILL BE 9.98% FOR SIG. GROVE.

TREE LIST:

TREE NO.	COMMON NAME	DBH*	C-RAD*	TREE NO.	COMMON NAME	DBH*	C-RAD*	TREE NO.	COMMON NAME	DBH*	C-RAD*
2243	ENGLISH HOLLY	11	12	2577	BLACK COTTONWOOD	22	10	2707	ORCHARD CHERRY	14	18
2244	ENGLISH HOLLY	13	12	2578	DOUGLAS-FIR	37	17	2708	DOUGLAS-FIR	48	26
2358	SITKA SPRUCE	12	8	2579	DOUGLAS-FIR	34	22	2709	DOUGLAS-FIR	37	26
2359	DOUGLAS-FIR	31	22	2580	DOUGLAS-FIR	23	16	2710	DOUGLAS-FIR	43	31
2360	DOUGLAS-FIR	28	22	2581	DOUGLAS-FIR	20	14	2712	LEYLAND CYPRESS	13	7
2361	DOUGLAS-FIR	35	18	2582	DOUGLAS-FIR	25	15	2713	LEYLAND CYPRESS	11	7
2362	DOUGLAS-FIR	17	15	2583	HAWTHORN	5	4	2714	LEYLAND CYPRESS	10	8
2363	PONDEROSA PINE	11	6	2584	DOUGLAS-FIR	16	13	2715	LEYLAND CYPRESS	11	7
2364	DOUGLAS-FIR	18	13	2585	BIGLEAF MAPLE	15	17	2716	LEYLAND CYPRESS	9	7
2365	BIGLEAF MAPLE	10	4	2586	DOUGLAS-FIR	4	2	2717	LEYLAND CYPRESS	10	10
2366	DOUGLAS-FIR	23	18	2587	BIGLEAF MAPLE	9	16	2718	LEYLAND CYPRESS	8	7
2367	WESTERN RED CEDAR	22	16	2588	DOUGLAS-FIR	30	19	2719	LEYLAND CYPRESS	9	10
2368	WESTERN RED CEDAR	27	22	2589	DOUGLAS-FIR	22	11	2720	LEYLAND CYPRESS	8	9
2369	DOUGLAS-FIR	38	24	2590	DOUGLAS-FIR	16	12	2721	LEYLAND CYPRESS	6	7
2370	PONDEROSA PINE	10	18	2591	DOUGLAS-FIR	36	18	2722	LEYLAND CYPRESS	5	7
2371	PONDEROSA PINE	19	13	2592	DOUGLAS-FIR	25	15	2723	LEYLAND CYPRESS	10	8
2372	PONDEROSA PINE	17	14	2593	DOUGLAS-FIR	8	12	2724	LEYLAND CYPRESS	6	8
2373	DOUGLAS-FIR	9	16	2594	BIGLEAF MAPLE	18	18	2725	LEYLAND CYPRESS	7	6
2374	DOUGLAS-FIR	22	20	2595	DOUGLAS-FIR	30	17	2726	LEYLAND CYPRESS	6	7
2375	DOUGLAS-FIR	32	25	2596	DOUGLAS-FIR	16	14	2727	LEYLAND CYPRESS	8	8
2376	DOUGLAS-FIR	21	20	2597	DOUGLAS-FIR	38	20	2728	LEYLAND CYPRESS	8	7
2377	DOUGLAS-FIR	13	10	2598	BIGLEAF MAPLE	5	9	2729	LEYLAND CYPRESS	6	9
2378	BLACK COTTONWOOD	38	34	2599	BIGLEAF MAPLE	20	30	2730	LEYLAND CYPRESS	6	9
2379	DOUGLAS-FIR	6	10	2600	WESTERN RED CEDAR	33	15	2731	DOUGLAS-FIR	34	26
2380	DOUGLAS-FIR	9	14	2601	MADRONE	7	8	2732	DOUGLAS-FIR	31	23
2381	DOUGLAS-FIR	24	21	2649	DOUGLAS-FIR	41	30	2733	BIGLEAF MAPLE	12	21
2382	DOUGLAS-FIR	11	12	2650	DOUGLAS-FIR	40	24	2734	DOUGLAS-FIR	36	27
2383	DOUGLAS-FIR	7	11	2651	MADRONE	4	4	2735	DOUGLAS-FIR	36	24
2384	DOUGLAS-FIR	12	15	2652	DOUGLAS-FIR	32	27	2736	WESTERN RED CEDAR	18	12
2385	DOUGLAS-FIR	20	20	2653	DOUGLAS-FIR	31	19	2737	DOUGLAS-FIR	22	16
2431	N/A	N/A	N/A	2654	DOUGLAS-FIR	37	21	2738	DOUGLAS-FIR	27	12
2432	N/A	N/A	N/A	2655	WESTERN RED CEDAR	8	11	2739	DOUGLAS-FIR	27	21
2437	FRUIT TREE	7	7	2656	WESTERN RED CEDAR	15	15	2740	DOUGLAS-FIR	23	16
2476	FRUIT TREE	9	6	2657	AUSTRIAN PINE	7	5	2741	DOUGLAS-FIR	36	26
2477	ORCHARD CHERRY	18	5	2658	LEYLAND CYPRESS	11	11	2743	DOUGLAS-FIR	36	27
2478	ORCHARD APPLE	10	8	2659	LEYLAND CYPRESS	6	9	2744	DOUGLAS-FIR	28	26
2479	ORCHARD APPLE	7	5	2660	LEYLAND CYPRESS	5	9	2746	DOUGLAS-FIR	28	16
2480	WESTERN RED CEDAR	38	21	2661	LEYLAND CYPRESS	12	11	2747	GOLDENCHAIN TREE	6	10
2525	WESTERN RED CEDAR	34	22	2662	LEYLAND CYPRESS	6	9	2748	ORCHARD PLUM	8	10
2526	DOUGLAS-FIR	45	26	2663	LEYLAND CYPRESS	7	11	2749	ORCHARD APPLE	5	7
2527	BIRD CHERRY	7	10	2664	DOUGLAS-FIR	36	22	2750	PINE	7	5
2528	JAPANESE MAPLE	7	13	2665	WESTERN RED CEDAR	20	20	2751	NOOTKA CYPRESS	7	5
2536	DOUGLAS-FIR	12	14	2666	WESTERN RED CEDAR	15	15	2753	PINE	7	9
2537	DOUGLAS-FIR	12	10	2667	DOUGLAS-FIR	37	27	2754	PINE	6	5
2538	PONDEROSA PINE	6	6	2668	WESTERN RED CEDAR	23	17	2755	PINE	7	7
2539	DOUGLAS-FIR	6	9	2669	DOUGLAS-FIR	34	17	2756	STUMP	N/A	N/A
2540	DOUGLAS-FIR	10	16	2670	WESTERN RED CEDAR	41	20	2757	STUMP	N/A	N/A
2541	DOUGLAS-FIR	20	11	2671	PURPLE LEAF PLUM	8	11	2758	STUMP	N/A	N/A
2542	DOUGLAS-FIR	20	10	2672	WESTERN RED CEDAR	33	15	2759	STUMP	N/A	N/A
2543	DOUGLAS-FIR	20	16	2673	DOUGLAS-FIR	42	27	2760	STUMP	N/A	N/A
2544	DOUGLAS-FIR	8	14	2675	LEYLAND CYPRESS	8	12	2761	STUMP	N/A	N/A
2545	DOUGLAS-FIR	17	16	2676	LEYLAND CYPRESS	8	11	2875	STUMP	N/A	N/A
2546	BIGLEAF MAPLE	9	18	2677	LEYLAND CYPRESS	6	7	2876	STUMP	N/A	N/A
2547	DOUGLAS-FIR	26	18	2678	LEYLAND CYPRESS	11	7	2877	STUMP	N/A	N/A
2548	DOUGLAS-FIR	31	25	2679	LEYLAND CYPRESS	9	10	2878	STUMP	N/A	N/A
2549	DOUGLAS-FIR	18	13	2680	LEYLAND CYPRESS	7	6	2879	STUMP	N/A	N/A
2550	DOUGLAS-FIR	32	22	2681	LEYLAND CYPRESS	10	7	2880	STUMP	N/A	N/A
2551	DOUGLAS-FIR	37	22	2682	LEYLAND CYPRESS	10	6	2881	STUMP	N/A	N/A
2552	BIGLEAF MAPLE	11	10	2683	LEYLAND CYPRESS	11	8	2882	STUMP	N/A	N/A
2553	DOUGLAS-FIR	35	24	2684	LEYLAND CYPRESS	5	5	2883	STUMP	N/A	N/A
2554	BIGLEAF MAPLE	9	15	2685	DOUGLAS-FIR	37	26	2884	STUMP	N/A	N/A
2556	PONDEROSA PINE	7	7	2686	LEYLAND CYPRESS	7	7	2885	STUMP	N/A	N/A
2557	DOUGLAS-FIR	26	15	2687	LEYLAND CYPRESS	8	6	7060	DOUGLAS-FIR	32	19
2558	WESTERN RED CEDAR	35	16	2688	LEYLAND CYPRESS	9	5	7061	DOUGLAS-FIR	26	19
2559	WESTERN RED CEDAR	20	12	2689	DOUGLAS-FIR	29	13	7062	DOUGLAS-FIR	14	11
2560	PONDEROSA PINE	19	11	2690	LEYLAND CYPRESS	7	8	7063	DOUGLAS-FIR	24	13
2561	DOUGLAS-FIR	8	5	2691	DOUGLAS-FIR	36	14	7064	DOUGLAS-FIR	12	10
2562	BIRD CHERRY	9	5	2692	LEYLAND CYPRESS	6	9	3792	DOUGLAS-FIR	37	25
2563	PONDEROSA PINE	7	2	2693	LEYLAND CYPRESS	5	9	3793	DOUGLAS-FIR	45	25
2564	DOUGLAS-FIR	19	16	2694	LEYLAND CYPRESS	7	7	3794	DOUGLAS-FIR	37	25
2565	PONDEROSA PINE	12	13	2695	DOUGLAS-FIR	30	22	3795	BIGLEAF MAPLE	20	27
2566	BIGLEAF MAPLE	4	5	2696	LEYLAND CYPRESS	5	6	3796	DOUGLAS-FIR	9	15
2567	PONDEROSA PINE	22	16	2697	LEYLAND CYPRESS	6	6	3797	DOUGLAS-FIR	14	15
2568	DOUGLAS-FIR	20	11	2698	LEYLAND CYPRESS	6	9	3798	DOUGLAS-FIR	19	20
2569	BIGLEAF MAPLE	19	20	2699	LEYLAND CYPRESS	5	7	3799	DOUGLAS-FIR	16	15
2570	DOUGLAS-FIR	17	12	2700	LEYLAND CYPRESS	11	9	3800	BLACK COTTONWOOD	36	28
2571	DOUGLAS-FIR	21	17	2701	LEYLAND CYPRESS	12	8	3801	DOUGLAS-FIR	24	20
2572	WESTERN RED CEDAR	5	6	2702	LEYLAND CYPRESS	13	10	3802	MADRONE	11	10
2573	DOUGLAS-FIR	11	7	2703	DOUGLAS-FIR	32	26	3804	DOUGLAS-FIR	38	25
2574	DOUGLAS-FIR	14	7	2704	DOUGLAS-FIR	31	14	3805	BIGLEAF MAPLE	9	15
2575	BIGLEAF MAPLE	7	11	2705	DOUGLAS-FIR	35	22				
2576	BIGLEAF MAPLE	12	18	2706	ORCHARD CHERRY	11	17				

* DBH = TRUNK DIAMETER IN INCHES
* C-RAD = APPROXIMATE CANOPY RADIUS IN FEET

LEGEND

TREE TO BE REMOVED
TREE TO BE REMOVED ONLY IF CITY AND PROJECT ARBORIST DETERMINE THAT RETENTION IS NOT FEASIBLE

PROJECT BOUNDARY
RIGHT-OF-WAY LINE
RIGHT-OF-WAY CENTERLINE
EASEMENT LINE
EXISTING ADJACENT PROPERTY LINE
EXISTING CONCRETE
EXISTING ASPHALT
EXISTING CURB
EXISTING FENCE LINE
EXISTING TELECOM. LINE
EXISTING OVERHEAD POWER
EXISTING VEGETATION LIMITS LINE
EXISTING MAJOR CONTOUR (375)
EXISTING MINOR CONTOUR (374)
PROPOSED CONCRETE
PROPOSED BUILDING LINE
PROPOSED FENCE
EXISTING MAJOR CONTOUR (110)
EXISTING MINOR CONTOUR (108)
PROPOSED CURB FACE
PROPOSED CURB BACK
PROPOSED RETAINING WALL
PROPOSED COVERED PARKING
EXISTING CONIFEROUS TREE
EXISTING DECIDUOUS TREE
EXISTING UTILITY POLE
EXISTING POWER METER
EXISTING ELECTRIC RISER
EXISTING LUMINAIRE
EXISTING TREE, 0.5*DBH + 5'

811 Know what's below. Call before you dig.

P:\15263-JTS-TRILLIUM WOODS\CAD\DD\C120 TREE PROTECTION & REMOVAL PLAN.DWG

LAND USE — NOVEMBER 20, 2015

REVISION SUMMARY	BY	DATE
INCOMPLETENESS RESPONSE		01/15/2016
INCOMPLETENESS RESPONSE		02/10/2016
LAND USE HEARING RESPONSE		04/15/2016

TREE PROTECTION & REMOVAL PLAN
TRILLIUM WOODS APARTMENTS
LAND USE DOCUMENTS

JT SMITH COMPANIES
BEAVERTON, OREGON

PRELIMINARY — REGISTERED PROFESSIONAL ENGINEER — OREGON — EXPIRES: 06/30/16

3J CONSULTING, INC
CIVIL ENGINEERING
WATER RESOURCES
LAND USE PLANNING
5075 SW GRIFFITH DRIVE, SUITE 150, BEAVERTON, OR 97005
PHONE & FAX: (503) 946-9365

3J JOB ID #	15263
LAND USE #	PA 2015-0050
TAX LOT #	100, 2400
DESIGNED BY	TNO/CKW
CHECKED BY	EIM

SHEET TITLE: TREE PLAN

SHEET NUMBER: C120