

Recommended Disturbance Distances

Tree Size			Minimum Distance from Tree (feet)							
Diameter	Height	Width	Structural Integrity (Absolute min. distance for potential hazard situation)	Minimum Distance for Survival (Not optimal, still risk losing tree)	ISA Critical Root Zone (Optimal distance for minimizing risk)	Normal Rooting Distance (minimal risk to the tree)	Max Rooting Distance (no risk to tree)	Distance from Structures (Use tree size for fully grown specimen)		
5	10	10		1.3	2.1		5.0	15	20	
	15	10		1.3	2.1		5.0	15	20	
	20	15		1.3	2.1		5.0	15	23	
	25	15		1.3	2.1		5.0	15	23	
	30	15		1.3	2.1		5.0	15	23	
10	15	20		2.5	4.2		10.0	25	38	
	20	20		2.5	4.2		10.0	25	38	
	25	25		2.5	4.2		10.0	25	38	
	30	25		2.5	4.2		10.0	25	38	
	35	25		2.5	4.2		10.0	25	38	
	40	30		2.5	4.2		10.0	25	45	
15	15	25		3.8	6.3		15.0	35	50	
	20	30		3.8	6.3		15.0	35	53	
	25	30		3.8	6.3		15.0	35	53	
	30	30		3.8	6.3		15.0	35	53	
	35	35		3.8	6.3		15.0	35	53	
	40	35		3.8	6.3		15.0	35	53	
20	20	35		5.0	8.3		20.0	45	68	
	25	35		5.0	8.3		20.0	45	68	
	30	40		5.0	8.3		20.0	45	68	
	35	40		5.0	8.3		20.0	45	68	
	40	40		5.0	8.3		20.0	45	68	
	45	40		5.0	8.3		20.0	45	68	
25	25	45		6.3	10.4		25.0	55	83	
	30	45		6.3	10.4		25.0	55	83	
	35	50		6.3	10.4		25.0	55	83	
	40	50		6.3	10.4		25.0	55	83	
	45	50		6.3	10.4		25.0	55	83	
	50	55		6.3	10.4		25.0	55	83	
30	25	50		7.5	12.5		30.0	65	98	
	30	50		7.5	12.5		30.0	65	98	
	35	50		7.5	12.5		30.0	65	98	
	40	50		7.5	12.5		30.0	65	98	
	45	55		7.5	12.5		30.0	65	98	
	50	55		7.5	12.5		30.0	65	98	
40	25	50		10.0	16.7		40.0	85	100	
	30	50		10.0	16.7		40.0	85	100	
	35	55		10.0	16.7		40.0	85	110	
	40	55		10.0	16.7		40.0	85	110	
	45	60		10.0	16.7		40.0	85	120	
	50	60		10.0	16.7		40.0	85	120	
50	30	60		12.5	20.8		50.0	105	120	
	35	60		12.5	20.8		50.0	105	120	
	40	60		12.5	20.8		50.0	105	120	
	45	60		12.5	20.8		50.0	105	120	
	50	60		12.5	20.8		50.0	105	120	