



# Roberts Field Master Plan

As Recommended by the Roberts Field Improvement Committee

Roberts Field Tree Inventory and Tree Protection Guidelines

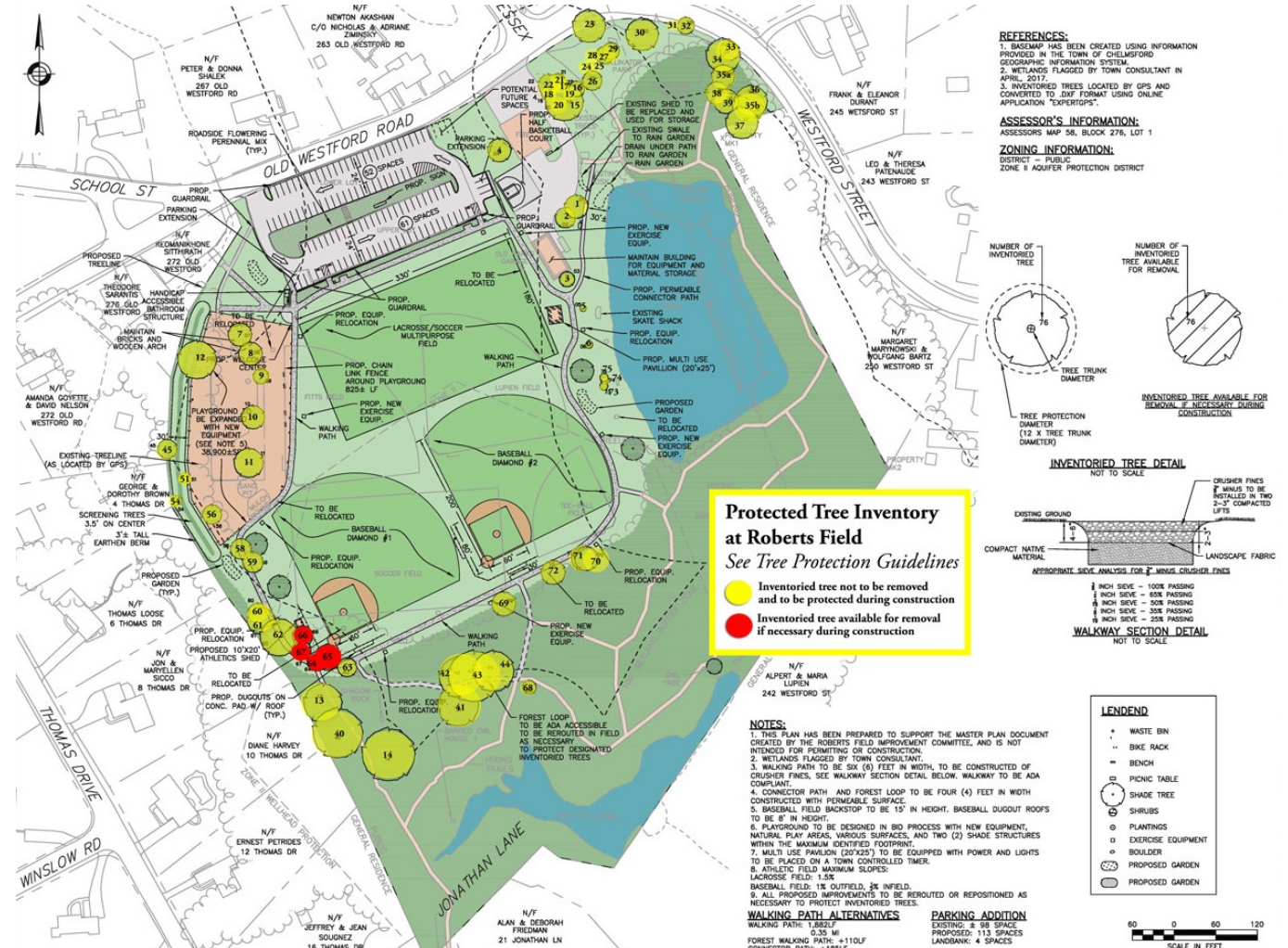
Revision 1: Updated 7/24/17

# Master Plan - Park Tree Inventory

Park Tree inventory created by James Martin, MS, Consulting Arborist for the Chelmsford Tree Committee

- Recommend changes to Park Tree Inventory to be approved by Park Advisory Board or Chelmsford Board of Selectmen

Inv #	GPX #	Street / Property	Tree Species	DBH	Cond.	Notes	Map	Spread	Height	Lat.	Long.	Date	By
RF001	01	Roberts Field	Linden Littleleaf	16	Good	Split Trunk Chain Imbedded	43	36	25	42°36'356"	71°23'343"	1/31/2017	BA/JM
RF002	02	Roberts Field	Linden Littleleaf	13	Fair		43	31	27	42°36'354"	71°23'346"	1/31/2017	BA/JM
RF003	03	Roberts Field	Maple Red	0.4	Poor	Constat Damage to roots trunk	43	24	33	42°36'343"	71°23'345"	1/31/2017	BA/JM
RF004	04	Roberts Field	Crabapple	12	Good	Suckers mower	43	30	31	42°36'369"	71°23'367"	1/31/2017	BA/JM
RF005	05	Roberts Field	Maple Red	1.5	Poor	Roots & trunk construction damage	43	5	15	42°36'333"	71°23'338"	1/31/2017	BA/JM
RF006	06	Roberts Field	Elm American	4.5	Good		43	9	28	42°36'324"	71°23'336"	1/31/2017	BA/JM
RF007	07	Roberts Field	Crabapple	14	Good		43	30	35	42°36'326"	71°23'447"	1/31/2017	BA/JM
RF008	08	Roberts Field	Maple Sugar	14.4	Good	Sap Sucker	43	38	45	42°36'322"	71°23'444"	1/31/2017	BA/JM
RF009	09	Roberts Field	Pear Bradford	13.6	Fair	trunk vandalized	43	24	32	42°36'317"	71°23'442"	1/31/2017	BA/JM
RF010	10	Roberts Field	Linden Littleleaf	14	Good		43	33	40	42°36'309"	71°23'444"	1/31/2017	BA/JM
RF011	11	Roberts Field	Maple Sugar	22.1	Good		43	43	53	42°36'297"	71°23'443"	1/31/2017	BA/JM
RF012	12	Roberts Field	Oak Red	26	Good	Boundary Line Tree	43	56	60	42°36'321"	71°23'462"	1/31/2017	BA/JM
RF013	13	Roberts Field	Oak Red	35.3	Fair	Boundary Line Tree old wire	44	60	68	42°36'238"	71°23'422"	1/31/2017	BA/JM
RF014	14	Roberts Field	Oak Red	51.3	Good	Pruning 37.5/32.5/12.5	44	77	70	42°36'226"	71°23'404"	1/31/2017	BA/JM
RF015	15	Roberts Field	Maple Red	3.6	Fair		43	56	38	42°36'382"	71°23'344"	2/27/2017	BA/JM
RF016	16	Roberts Field	Oak Black	3	Good		43	12	20	42°36'385"	71°23'340"	2/27/2017	BA/JM
RF017	17	Roberts Field	Maple Red	10	Good		43	22	40	42°36'385"	71°23'345"	2/27/2017	BA/JM
RF018	18	Roberts Field	Maple Red	11.3	Good		43	22	40	42°36'384"	71°23'349"	2/27/2017	BA/JM
RF019	19	Roberts Field	Maple Red	13	Good		43	21	40	42°36'386"	71°23'345"	2/27/2017	BA/JM
RF020	20	Roberts Field	Maple Red	15	Fair		43	22	30	42°36'381"	71°23'346"	2/27/2017	BA/JM
RF021	21	Roberts Field	Maple Red	8.9	Fair		43	20	40	42°36'387"	71°23'346"	2/27/2017	BA/JM
RF022	22	Roberts Field	Maple Red	15	Fair	Construction damage	43	31	35	42°36'386"	71°23'349"	2/27/2017	BA/JM
RF023	23	Roberts Field	Oak Red	25.4	Good		43	48	48	42°36'400"	71°23'336"	2/27/2017	BA/JM
RF024	24	Roberts Field	Maple Red	9.9	Good		43	31	42	42°36'387"	71°23'335"	2/27/2017	BA/JM
RF025	25	Roberts Field	Maple Red	8.6	Good		43	23	42	42°36'387"	71°23'335"	2/27/2017	BA/JM
RF026	26	Roberts Field	Maple Red	15.9	Good		43	34	42	42°36'387"	71°23'335"	2/27/2017	BA/JM
RF027	27	Roberts Field	Cherry Black	8	Fair	Weed Barrier	43	26	30	42°36'393"	71°23'331"	2/27/2017	BA/JM
RF028	28	Roberts Field	Maple Red	11.7	Good	Weed Barrier	43	21	30	42°36'393"	71°23'331"	2/27/2017	BA/JM
RF029	29	Roberts Field	Maple Red	15.4	Fair	Weed Barrier	43	33	30	42°36'394"	71°23'329"	2/27/2017	BA/JM
RF030	30	Roberts Field	Maple Red	18.6	Good	7.4,8.6,8.5,7.5,8	43	48	51	42°36'398"	71°23'319"	2/27/2017	BA/JM
RF031	31	Roberts Field	Cherry Black	8.5	Poor		43	25	35	42°36'400"	71°23'305"	2/27/2017	BA/JM
RF032	32	Roberts Field	Maple Sugar	7.7	Good		43	24	35	42°36'400"	71°23'305"	2/27/2017	BA/JM
RF033	33	Roberts Field	Maple Red	7.8	Good	5,6	43	29	36	42°36'394"	71°23'291"	2/27/2017	BA/JM
RF034	34	Roberts Field	Maple Red	23.5	Good	11.8,15.3,8.7,10.1	43	51	54	42°36'393"	71°23'291"	2/27/2017	BA/JM
RF035	35A	Roberts Field	Maple Red	9.7	Fair	9,7	43	34	45	42°36'388"	71°23'291"	2/27/2017	BA/JM
RF035	35B	Roberts Field	Maple Red	20	Good	18,8,8	43	44	56	42°36'382"	71°23'284"	2/27/2017	BA/JM
RF036	36	Roberts Field	Maple Red	23.7	Fair	21,7,9.5	43	56	45	42°36'381"	71°23'285"	2/27/2017	BA/JM
RF037	37	Roberts Field	Maple Red	19.9	Fair	Boundary Line Tree 13,15	43	48	45	42°36'377"	71°23'287"	2/27/2017	BA/JM
RF038	38	Roberts Field	Maple Red	16.8	Fair	7,15	43	33	40	42°36'384"	71°23'291"	2/27/2017	BA/JM
RF039	39	Roberts Field	Maple Red	19.3	Fair	5,7.5,2.5,8.6,2.14,2	43	36	40	42°36'382"	71°23'292"	2/27/2017	BA/JM
RF040	40	Roberts Field	Oak Red	33.1	Good	Boundary Tree?	44	73	75	42°36'232"	71°23'417"	3/30/2017	JM
RF041	41	Roberts Field	Oak Red	31.1	Good	12.1/18.9/17.3/12.8	44	60	65	42°36'239"	71°23'382"	3/30/2017	JM
RF042	42	Roberts Field	Oak Red	22.1	Good	17.3/4/13.2	44	61	74	42°36'244"	71°23'379"	3/30/2017	JM
RF043	43	Roberts Field	Oak Red	29.3	Good		44	75	75	42°36'245"	71°23'375"	3/30/2017	JM
RF044	44	Roberts Field	Oak Red	39	Good	22.4/28.9/13.6	44	60	73	42°36'246"	71°23'373"	3/30/2017	JM
RF045	45	Roberts Field	Cherry Black	12	Fair	PL	43	25	37	42°36'296"	71°23'471"	4/30/2017	BA/JM
RF051	51	Roberts Field	Red Oak	7	Good		43	15	20	42°36'289"	71°23'462"	4/30/2017	BA/JM
RF054	54	Roberts Field	Crabapple	7.5	Poor	Historic? Boundary wire in trunk	44	15	20	42°36'284"	71°23'464"	4/30/2017	BA/JM
RF056	56	Roberts Field	Oak Red	9	Fair		44	27	24	42°36'281"	71°23'453"	4/30/2017	BA/JM
RF058	58	Roberts Field	Catalpa Northern	12	Fair		44	30	28	42°36'273"	71°23'443"	4/30/2017	BA/JM
RF059	59	Roberts Field	Catalpa Northern	11	Fair		44	30	42	42°36'270"	71°23'443"	4/30/2017	BA/JM
RF060	60	Roberts Field	Oak Red	11.1	Good		44	25	45	42°36'258"	71°23'437"	4/30/2017	BA/JM
RF061	61	Roberts Field	Oak Red	20.1	Good	8x10.3x11.7x12	44	40	58	42°36'256"	71°23'436"	4/30/2017	BA/JM
RF062	62	Roberts Field	Oak Red	18.7	Good		44	55	79	42°36'252"	71°23'430"	4/30/2017	BA/JM
RF063	63	Roberts Field	Larch European	9.7	Good		44	25	42	42°36'246"	71°23'408"	4/30/2017	BA/JM
RF064	64	Roberts Field	Pine White Easter	9.3	Fair		44	25	30	42°36'247"	71°23'418"	4/30/2017	BA/JM
RF065	65	Roberts Field	Oak Red	12.1	Good		44	38	53	42°36'248"	71°23'414"	4/30/2017	BA/JM
RF066	66	Roberts Field	Oak Red	11	Good		44	30	52	42°36'253"	71°23'422"	4/30/2017	BA/JM
RF067	67	Roberts Field	Maple Red	8.1	Fair		44	25	50	42°36'249"	71°23'423"	4/30/2017	BA/JM
RF068	68	Roberts Field	Hickory Shagbark	3.7	Good		44	20	20	42°36'244"	71°23'354"	4/30/2017	BA/JM
RF069	69	Roberts Field	Cherry Black	11.5	Good		44	35	47	42°36'262"	71°23'358"	4/30/2017	BA/JM
RF070	70	Roberts Field	Pine White Easter	19.4	Good		44	35	45	42°36'273"	71°23'332"	4/30/2017	BA/JM
RF071	71	Roberts Field	Pine White Easter	16.1	Good		44	35	45	42°36'273"	71°23'332"	4/30/2017	BA/JM
RF072	72	Roberts Field	Pine White Easter	14.2	Good		44	35	45	42°36'270"	71°23'331"	4/30/2017	BA/JM
RF073	73	Roberts Field	Alder	3	Good		43	12	12	42°36'314"	71°23'328"	4/30/2017	BA/JM
RF074	74	Roberts Field	Alder	3.3	Good	1.5x3	43	12	12	42°36'315"	71°23'328"	4/30/2017	BA/JM
RF075	75	Roberts Field	Alder	4.7	Good	4x12x1	43	12	12	42°36'316"	71°23'328"	4/30/2017	BA/JM



Appendix D: Roberts Field Tree Inventory

# Master Plan - Inventoried Tree Protection Guidelines

Protect the inventoried trees' **Critical Root Zone** (area around the tree trunk that extends outward from the trunk with a diameter of **12 times the diameter of the tree trunk**). The tree trunk is measured at a point 4 ½ feet above ground level. It shall be the responsibility of the Towns Site Supervisor to enforce all of these Guidelines during Park Construction.

## Construction Standards

- Trees designated for protection will be clearly marked inside construction zones by Consulting Arborist Jim Martin.
- A protective 5' snow fence on 5' metal posts will be installed before any construction work begins. The fence is to remain in place in good condition and not be removed, even temporarily, until after all construction work is completed and equipment removed from the work site.
- The fence is to be located completely surrounding the outer margin of the Critical Root Zone.
- Nothing is to be stored, even temporarily, inside the Root Zone including surplus soil, plant material, supplies, equipment, machinery, tools, vehicles, fuel, or anything else that could potentially harm the tree.
- There will be no fires within 100 feet of the Protection Zone.
- Protection Zone signage is to be weather proof and installed to the fence every 8 feet with a minimum of 2 signs.
- When there is to be a grade change adjacent to the Critical Root Zone, a trench, located 1 foot outside the protective fence, will be dug by hand to a depth of 24 inches. The exposed root ends are to be cleanly cut on the side toward the tree with sharp pruning tools. Do not make slanting cuts. The roots are not to be chopped, crushed, ripped, or torn. The roots are not to be allowed to dry out. Cover with moist soil as soon as they are properly cut.
- If necessary for safety reasons, dead branches over 3 inches in diameter should be removed from the tree before work commences by properly trained and qualified tree workers in accordance with the Z-133 & A-300 Standards, under the direct supervision of a Massachusetts Certified Arborist.
- Trees are not to be topped or to have the canopy thinned or reduced.
- The tree should NOT be fertilized before or during construction but one year or more later if necessary by soil & tissue test.
- ***Underground utilities such as water or electrical lines or irrigation pipes are not to be installed by trenching through the Critical Root Zone.*** If necessary, by boring at a depth of 35 inches or greater under the tree from one side or the other.