

## Interoffice Memorandum

to: Bob Minix, Professional Engineer  
from: Peggy Drescher, Village Forester  
subject: Parkway Tree Assessment on Hawthorne  
date: June 23, 2011

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In regards to the potential widening of Hawthorne, I have reviewed all parkway trees along the corridor. I assumed that the street would be widened on each side by two feet. I took into consideration the current health and size of the parkway trees and how the widening would affect the future condition of the tree.

I did not provide recommendations I only identified the affect that the widening would have on the parkway trees. This does not take into consideration the other construction that will normally occur as part of the project (drive approach, water and sewer replacement).

I would like to note that the parkway tree diameters are larger in the field than the attached spread sheets note. The diameter information was taken from our existing inventory which has not been updated in 3-4 years.

I would also like to explain some of the comments you will see on the spreadsheet.

1. "Stress due to root pruning" – If the street is widened by two feet, the root pruning will be closer to the trunk of the tree causing much more stress on the tree. In addition I identified some trees where the street will now be within 3-5' of the trunk which will also cause more stress to the tree.
2. "Removal due to utility" or "Removal due to utility pole" – If the utility poles need to be move back from their current position, the trees will need to be removed because of the pruning that will be necessary to accommodate the wires or the pole proximity
3. "Removal due to widening" – In some cases the street will be to close to the parkway tree and the tree must be removed. Approximately 53 trees may need to be removed for utility issues or widening.
4. "Grading issue" – There are some parkways that have a higher grade than the street. I am assuming that if the street is widened this will cause a grading issue with the parkway trees.
5. "Raising" – It is a common maintenance practice that we raise parkway trees over the street to accommodate for construction but the widening will cause some trees to have larger branches removed or many branches that would not normally need to be removed.
6. "Major Pruning or pruning" – Pruning that would not normally need to occur for utility line clearance will now be necessary.

I would be happy to discuss any of these comments or do further inspection if needed.

**TREE SURVEY AND ASSESSMENT OF STREET WIDENING IMPACTS ON HAWTHORNE CORRIDOR**

Street No.	Street Name	Quad	Common Name	DBH	Condition	Comments - Projected Impact of Roadway Widening
600	EUCLID	F1	HORSECHESTNUT	20	Excellent	Possible removal due to topping and raising
600	EUCLID	L1	PEAR; FLOWERING	11	Excellent	Removal due to utility
600	EUCLID	L2	MAPLE; FREEMAN	5	Excellent	No Issue
600	EUCLID	L3	MAPLE; NORWAY	26	Good	No Issue
601	EUCLID	R1	LILAC; JAPANESE TREE	6	Excellent	Utility pruning
601	EUCLID	R2	MAPLE; SILVER	24	Good	Removal due to utility pole and lines
589	FOREST	L1	OAK; WHITE	23	Good	Removal due to utility pole
589	FOREST	L2	MAPLE; SUGAR	21	Excellent	No Issue
589	FOREST	L3	OAK; WHITE	35	Good	Removal of 1/2 of tree due to utility
589	FOREST	L4	HICKORY; SHAGBARK	18	Good	Removal due to utility
590	FOREST	R1	LILAC; JAPANESE TREE 'IVORY	4	Excellent	No Issue
590	FOREST	R2	HICKORY; SHAGBARK	17	Excellent	No Issue
590	FOREST	R3	HICKORY; SHAGBARK	11	Good	Raise/topout due to utility and widening
600	FOREST	L1	HICKORY; SHAGBARK	15	Good	No Issue
600	FOREST	L2	HICKORY; SHAGBARK	21	Good	No Issue
600	FOREST	L3	OAK; BUR	31	Good	No Issue
601	FOREST	R1	CRABAPPLE	6	Excellent	Grading? / raising necessary?
601	FOREST	R2	CRABAPPLE	14	Excellent	Grading? / raising necessary?
601	FOREST	R3	CRABAPPLE	12	Excellent	Grading? / raising necessary?
243	HAWTHORNE	F1	MAPLE; SUGAR	18	Good	Utility line Issue?
249	HAWTHORNE	F1	MAGNOLIA; STAR	10	Good	Removal due to moving sidewalk and utility
253	HAWTHORNE	F1	DAWN REDWOOD 'GOLD	2	Excellent	No Issue
254	HAWTHORNE	F1	SYCAMORE	16	Excellent	Major stress due to root pruning
254	HAWTHORNE	F2	SYCAMORE	16	Good	Major stress due to root pruning
257	HAWTHORNE	F1	ELM; SIBERIAN	35	Good	Stress due to root pruning
258	HAWTHORNE	F1	CRABAPPLE 'RED JEWEL'	2	Excellent	No Issue
262	HAWTHORNE	F1	SERVICEBERRY; APPLE 'ATMN	2	Excellent	No Issue
262	HAWTHORNE	F2	SERVICEBERRY; APPLE 'ATMN	2	Excellent	No Issue
262	HAWTHORNE	F3	PEAR; FLOWERING 'KOREAN	4	Excellent	No Issue
266	HAWTHORNE	F1	MAPLE; FREEMAN	16	Good	Stress due to root pruning
270	HAWTHORNE	F1	MAPLE; SILVER	30	Excellent	Stress due to root pruning/ removal due to utility lines
277	HAWTHORNE	F1	ASH; WHITE	13	Good	Remove Now
277	HAWTHORNE	F2	MAPLE; SUGAR	8	Good	No Issue
277	HAWTHORNE	F3	GINKGO 'PRINCETON SENTRY'	2	Excellent	No Issue

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Street No.	Street Name	Quad	Common Name	DBH	Condition	Comments - Projected Impact of Roadway Widening
277	HAWTHORNE	F4	MAPLE; SILVER	32	Poor	Remove Now
277	HAWTHORNE	F5	MAPLE; SILVER	36	Fair	Stress from root pruning/ grading
277	HAWTHORNE	L1	MAPLE; SILVER	15	Excellent	No Issue
277	HAWTHORNE	L2	MAPLE; SILVER	20	Good	No Issue
277	HAWTHORNE	L3	MAPLE; NORWAY	11	Good	No Issue
277	HAWTHORNE	L4	MAPLE; HEDGE	4	Excellent	No Issue
277	HAWTHORNE	L5	CRABAPPLE 'ADIRONDACK'	5	Excellent	No Issue
280	HAWTHORNE	F1	CRABAPPLE 'RED PEACOCK	3	Excellent	No Issue
280	HAWTHORNE	R1	CRABAPPLE 'RED JEWEL'	5	Good	No Issue
280	HAWTHORNE	R2	MAPLE; NORWAY 'CRIMSON	11	Excellent	No Issue
280	HAWTHORNE	R3	CRABAPPLE 'RED JEWEL'	2	Excellent	No Issue
288	HAWTHORNE	F1	HONEYLOCUST	22	Good	Stress due to root pruning
288	HAWTHORNE	L1	LINDEN; LITTLELEAF	7	Excellent	No Issue
288	HAWTHORNE	L2	ASH; GREEN	17	Good	No Issue
288	HAWTHORNE	L3	MAPLE; NORWAY	21	Good	No Issue
292	HAWTHORNE	F1	MAPLE; NORWAY	25	Good	Removal due to utility lines
295	HAWTHORNE	F1	MAPLE; SILVER	27	Fair	No Issue
296	HAWTHORNE	F1	CRABAPPLE 'PRAIRIFIRE'	2	Excellent	No Issue
296	HAWTHORNE	F2	CRABAPPLE 'PRAIRIFIRE'	2	Excellent	No Issue
299	HAWTHORNE	F1	MAPLE; SILVER	33	Poor	Remove Now
302	HAWTHORNE	F1	CRABAPPLE 'PRAIRIFIRE'	2	Excellent	No Issue
303	HAWTHORNE	F1	ELM; SIBERIAN	34	Good	Root pruning of major roots possible
303	HAWTHORNE	F2	ELM; SIBERIAN	32	Good	Root pruning of major roots possible
307	HAWTHORNE	F1	MAPLE; PURPLEBLOW	5	Excellent	Removal of two major branches
310	HAWTHORNE	F1	CRABAPPLE 'ROYAL	2	Excellent	No Issue
310	HAWTHORNE	F2	MAPLE; SUGAR	12	Good	Possible removal due to utility lines
311	HAWTHORNE	F1	MAPLE; NORWAY 'CRIMSON	3	Excellent	No Issue
315	HAWTHORNE	F1	ELM SPECIES	6	Excellent	Street will be within 5 feet of tree
316	HAWTHORNE	F1	LILAC; JAPANESE TREE 'IVORY	5	Excellent	Possible removal due to utility lines
316	HAWTHORNE	F2	LILAC; JAPANESE TREE 'IVORY	3	Excellent	No Issue
316	HAWTHORNE	F3	SERVICEBERRY; SHADBLOW	4	Excellent	No Issue
316	HAWTHORNE	F4	SERVICEBERRY; APPLE 'ATMN	2	Excellent	No Issue
316	HAWTHORNE	F5	LILAC; PEKING 'CHINA SNOW'	5	Excellent	Disfigure from utility line
319	HAWTHORNE	F1	MAPLE; NORWAY	22	Good	Stress from root prune

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Street No.	Street Name	Quad	Common Name	DBH	Condition	Comments - Projected Impact of Roadway Widening
323	HAWTHORNE	F1	MAPLE; SUGAR	9	Excellent	No Issue
324	HAWTHORNE	F1	MAPLE; RED	13	Poor	No Issue
327	HAWTHORNE	F1	MAPLE; NORWAY	18	Good	Stress from root prune/ removal of 10 inch branch over street
327	HAWTHORNE	F2	MAPLE; NORWAY	16	Good	Stress from root prune
333	HAWTHORNE	F1	LINDEN; SILVER 'STERLING'	4	Excellent	Raising necessary
334	HAWTHORNE	F1	LILAC; JAPANESE TREE	5	Excellent	Removal due to utility wires / grading issues
334	HAWTHORNE	F2	CRABAPPLE 'RED JEWEL'	7	Excellent	Removal due to utility wires/ grading issues
335	HAWTHORNE	F1	HONEYLOCUST	17	Excellent	Stress from root pruning
337	HAWTHORNE	F1	LINDEN; AMERICAN	24	Good	Stress from root pruning
338	HAWTHORNE	F1	MAPLE; SUGAR	25	Excellent	Utility line conflict
341	HAWTHORNE	F1	HONEYLOCUST	14	Good	Stress from root pruning/ grading issue
342	HAWTHORNE	F1	PEAR; FLOWERING	14	Excellent	Removal due to utility lines/ raise for street
343	HAWTHORNE	F1	LINDEN; AMERICAN	26	Good	Street within 4-5 feet of tree will cause stress
343	HAWTHORNE	F2	LINDEN; AMERICAN	25	Excellent	Street within 4-5 feet of tree will cause stress
343	HAWTHORNE	L1	BUCKEYE; OHIO	7	Excellent	No Issue
343	HAWTHORNE	L2	LINDEN; AMERICAN	15	Good	No Issue
343	HAWTHORNE	L3	LINDEN; AMERICAN	22	Good	No Issue
346	HAWTHORNE	F1	CRABAPPLE 'BEVERLY'	4	Excellent	Raise branches
346	HAWTHORNE	F2	MAPLE; NORWAY 'CRIMSON	10	Excellent	Removal due to utility lines
346	HAWTHORNE	R1	LINDEN; LITTLELEAF	25	Good	If utility pole is moved may cause removal
346	HAWTHORNE	R2	LINDEN; LITTLELEAF	20	Excellent	No Issue
354	HAWTHORNE	F1	HONEYLOCUST	16	Excellent	Removal due to street and utility lines
354	HAWTHORNE	F2	MAPLE; SUGAR	12	Fair	Possible removal due to utility lines
354	HAWTHORNE	F3	SYCAMORE	22	Good	Removal due to utility lines
354	HAWTHORNE	F4	OAK; WHITE	7	Excellent	Removal due to utility lines
354	HAWTHORNE	L1	MAPLE; NORWAY 'CRIMSON	24	Excellent	No Issue
359	HAWTHORNE	F1	WALNUT; BLACK	16	Excellent	Grading Issue?
359	HAWTHORNE	F2	LOCUST; BLACK	21	Excellent	Grading Issue?
359	HAWTHORNE	F3	MAPLE; NORWAY	16	Excellent	Grading Issue?
359	HAWTHORNE	F4	ASH; GREEN	18	Poor	Grading Issue?
359	HAWTHORNE	F5	PINE; WHITE	15	Excellent	No Issue
362	HAWTHORNE	F1	MAPLE; RED	9	Excellent	Removal due to utility
362	HAWTHORNE	F2	MAPLE; RED	12	Fair	Removal due to utility lines
362	HAWTHORNE	F3	MAPLE; SUGAR	9	Excellent	Removal due to utility lines

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Street No.	Street Name	Quad	Common Name	DBH	Condition	Comments - Projected Impact of Roadway Widening
368	HAWTHORNE	F1	CRABAPPLE 'GOLDEN	2	Excellent	Major grading issue/ lines will be low and in center of trees
368	HAWTHORNE	F2	CRABAPPLE 'GOLDEN	2	Excellent	Major grading issue/ lines will be low and in center of trees
374	HAWTHORNE	F1	SERVICEBERRY; APPLE 'ATMN	2	Excellent	No Issue
374	HAWTHORNE	F2	ELM; SIBERIAN	37	Good	Major stress from root prune
375	HAWTHORNE	F1	MAPLE; NORWAY	11	Poor	No Issue
380	HAWTHORNE	F1	MAPLE; NORWAY 'CRIMSON	10	Excellent	Removal due to utility lines
380	HAWTHORNE	F2	MAPLE; NORWAY 'CRIMSON	9	Excellent	Removal due to utility lines
382	HAWTHORNE	F1	OAK; BUR	13	Excellent	Removal due to utility lines
383	HAWTHORNE	F1	ASH; GREEN	14	Good	Street within 4 feet of tree
383	HAWTHORNE	F2	ASH; GREEN	13	Good	Street within 4 feet of tree
383	HAWTHORNE	F3	ASH; GREEN	13	Excellent	Street within 4 feet of tree
387	HAWTHORNE	F1	MAPLE; NORWAY 'CRIMSON	8	Good	Street will be within 3 feet of tree and cause to much stress
387	HAWTHORNE	F2	MAPLE; NORWAY	15	Excellent	Street will be within 3 feet of tree and cause to much stress
400	HAWTHORNE	F1	MAPLE; AMUR	4	Good	Removal due to street widening
400	HAWTHORNE	R1	MAPLE; SUGAR	15	Excellent	No Issue
400	HAWTHORNE	R2	MAPLE; SUGAR	14	Excellent	No Issue
434	HAWTHORNE	F1	MAPLE; NORWAY	26	Good	No Issue
434	HAWTHORNE	F2	MAPLE; SUGAR	11	Excellent	Possible removal of many branches causing disfiguration
434	HAWTHORNE	L1	LOCUST; BLACK 'CHICAGO	3	Excellent	No Issue
434	HAWTHORNE	L2	HACKBERRY; COMMON	2	Excellent	No Issue
453	HAWTHORNE	F1	LINDEN; AMERICAN	17	Excellent	Removal due to utility wires
453	HAWTHORNE	F2	HONEYLOCUST	16	Good	Removal due to utility wires
457	HAWTHORNE	F1	LINDEN; AMERICAN	18	Good	Removal due to utility wires
457	HAWTHORNE	F2	HONEYLOCUST	21	Good	Removal due to utility poles
457	HAWTHORNE	L1	MAPLE; SUGAR	13	Excellent	No Issue
465	HAWTHORNE	F1	HAWTHORN; WASHINGTON	11	Good	No Issue
465	HAWTHORNE	R1	HONEYLOCUST	25	Good	No Issue
465	HAWTHORNE	R2	HONEYLOCUST	20	Good	No Issue
466	HAWTHORNE	F1	MAPLE; NORWAY 'CRIMSON	16	Excellent	Major pruning due to utility
466	HAWTHORNE	F2	MAPLE; SUGAR	9	Excellent	Major pruning due to utility
466	HAWTHORNE	F3	HONEYLOCUST	32	Good	Removal of large branch due to utility
466	HAWTHORNE	L1	HONEYLOCUST	31	Good	No Issue
466	HAWTHORNE	L2	MAPLE; NORWAY	6	Excellent	No issue
466	HAWTHORNE	L3	HONEYLOCUST	22	Good	No Issue

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Street No.	Street Name	Quad	Common Name	DBH	Condition	Comments - Projected Impact of Roadway Widening
469	HAWTHORNE	F1	MAPLE; NORWAY 'CRIMSON	16	Fair	Removal due to utility
469	HAWTHORNE	F2	MAPLE; NORWAY 'CRIMSON	15	Fair	Removal due to utility
475	HAWTHORNE	F1	MAPLE; RED 'AUTUMN BLAZE'	9	Excellent	Raise
481	HAWTHORNE	F1	MAPLE; NORWAY	12	Excellent	Removal due to utility
485	HAWTHORNE	F1	MAPLE; NORWAY	25	Good	Removal due to utility
487	HAWTHORNE	F1	MAPLE; NORWAY	16	Good	Removal due to utility and street within 4-5 feet
495	HAWTHORNE	F1	LILAC; JAPANESE TREE 'IVORY	3	Excellent	Removal due to utility
501	HAWTHORNE	F1	MAPLE; NORWAY 'CRIMSON	9	Good	Possible removal due to utility / Grading?
533	HAWTHORNE	F1	MAPLE; NORWAY	7	Good	No Issue
539	HAWTHORNE	F1	HONEYLOCUST	21	Good	Removal due to utility
539	HAWTHORNE	F2	HONEYLOCUST	21	Good	Removal due to utility
560	HAWTHORNE	F1	MAPLE; NORWAY 'CRIMSON	9	Excellent	Raising
560	HAWTHORNE	F2	MAPLE; NORWAY 'CRIMSON	9	Excellent	Raising
571	HAWTHORNE	F1	MAPLE; MIYABE 'STATE	2	Excellent	Utility line will be directly over tree
571	HAWTHORNE	F2	MAPLE; MIYABE 'STATE	2	Excellent	Utility line will be directly over tree
571	HAWTHORNE	F3	ASH; GREEN	10	Good	No Issue
571	HAWTHORNE	F4	MAPLE; NORWAY	14	Excellent	Utility pole issue possible removal
571	HAWTHORNE	L1	CRABAPPLE 'RED JEWEL'	2	Excellent	No Issue
571	HAWTHORNE	L2	ELM; AMERICAN	29	Good	No Issue
571	HAWTHORNE	L3	MAPLE; NORWAY 'CRIMSON	10	Excellent	No Issue
585	HAWTHORNE	F1	OAK; BUR	33	Good	Removal due to utility pole
585	HAWTHORNE	F2	CRABAPPLE 'RED JEWEL'	2	Excellent	No Issue
588	HAWTHORNE	F1	LILAC	4	Good	Grading?
588	HAWTHORNE	F2	CRABAPPLE	13	Good	Grading?
588	HAWTHORNE	F3	CRABAPPLE	7	Excellent	Grading?
588	HAWTHORNE	L1	OAK; RED	39	Good	No Issue
593	HAWTHORNE	F1	HAWTHORN; COCKSPUR;	6	Excellent	Raise 1/2 of tree and tip back
604	HAWTHORNE	F1	MAPLE; NORWAY	25	Good	Grading issue if street is closer
604	HAWTHORNE	F2	OAK; BUR	28	Good	Grading issue?
604	HAWTHORNE	R1	MAPLE; SUGAR	15	Excellent	No Issue
605	HAWTHORNE	F1	OAK; RED	11	Good	Possible removal due to pruning for utility
605	HAWTHORNE	F2	LINDEN; AMERICAN	12	Good	No Issue
605	HAWTHORNE	F3	MAPLE; NORWAY 'CRIMSON	9	Good	No issue
609	HAWTHORNE	F1	SERVICEBERRY; APPLE 'ATMN	2	Excellent	No Issue

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Street No.	Street Name	Quad	Common Name	DBH	Condition	Comments - Projected Impact of Roadway Widening
609	HAWTHORNE	F2	ASH; GREEN	10	Good	Possible removal due to utility
591	KENILWORTH	L1	MAPLE; NORWAY	10	Excellent	Raise
591	KENILWORTH	L2	MAPLE; NORWAY	10	Good	Raise
591	MAIN	L1	ASH; GREEN	15	Good	No Issue
591	MAIN	L2	LINDEN; LITTLELEAF	18	Good	Possible removal due to topping and raising
601	MAIN	R1	MAPLE; NORWAY 'CRIMSON	11	Excellent	Removal due to curb location
601	MAIN	R2	MAPLE; NORWAY 'CRIMSON	10	Excellent	Raise
601	MAIN	R3	ELM SPECIES 'HOMESTEAD'	6	Excellent	No Issue
601	MAIN	R4	ELM SPECIES 'HOMESTEAD'	5	Excellent	No Issue
591	NEWTON AV	L1	TREE OF HEAVEN	35	Good	Removal due to street
591	NEWTON AV	L2	ASH; WHITE 'AUTUMN	10	Excellent	No Issue
600	PARK	L1	MAPLE; SUGAR	22	Excellent	Raising/ Grading?
600	PARK	L2	HONEYLOCUST	15	Good	Grading?
600	PARK	L3	HONEYLOCUST	12	Good	Grading?
600	PARK	L4	ASH; GREEN	12	Good	Grading?
600	PLEASANT	L1	MAPLE; NORWAY	23	Excellent	Removal due to utility
600	PLEASANT	L2	MAPLE; NORWAY	35	Good	Possible utility wire issue
600	PLEASANT	L3	MAPLE; NORWAY	26	Good	Removal due to utility
590	PRAIRIE	R1	MAPLE; NORWAY	8	Excellent	Removal due to utility
590	PRAIRIE	R2	MAPLE; SUGAR	16	Good	Removal due to utility
590	PRAIRIE	R3	MAPLE; NORWAY	9	Good	Removal due to utility
593	PRAIRIE	L1	CRABAPPLE 'ADAMS'	2	Excellent	No Issue
593	PRAIRIE	L2	HORNBEAM; JAPANESE	4	Excellent	No Issue
602	PRAIRIE	L1	MAPLE; NORWAY	25	Good	No Issue
602	PRAIRIE	L2	MAPLE; NORWAY	28	Good	No Issue
602	PRAIRIE	L3	MAPLE; NORWAY	26	Good	Possible removal of branch over street
589	WESTERN	L1	LINDEN; AMERICAN	12	Good	Removal due to utility
589	WESTERN	L2	LINDEN; AMERICAN	10	Good	Removal due to utility
590	WESTERN	R1	MAPLE; SUGAR 'GREEN	2	Excellent	No Issue
590	WESTERN	R2	MAPLE; SUGAR	22	Good	No Issue
601	WESTERN	R1	ALDER; EUROPEAN BLACK	9	Good	Possible utility issue