PUBLIC WORKS COMMITTEE

MEETING December 7, 2021

9:00A.M.

Brighton
Town Hall

AUDITORIUM ROOM

DRAFT AGENDA

MEETING CALLED TO ORDER:

APPROVE MINUTES:

PUBLIC REVIEW OPEN FORUM:

OLD BUSINESS

MATTER RE: Library Roof - Access

NEW BUSINESS

MATTER RE: Geothermal District

MATTER RE: 2022 Meeting Dates

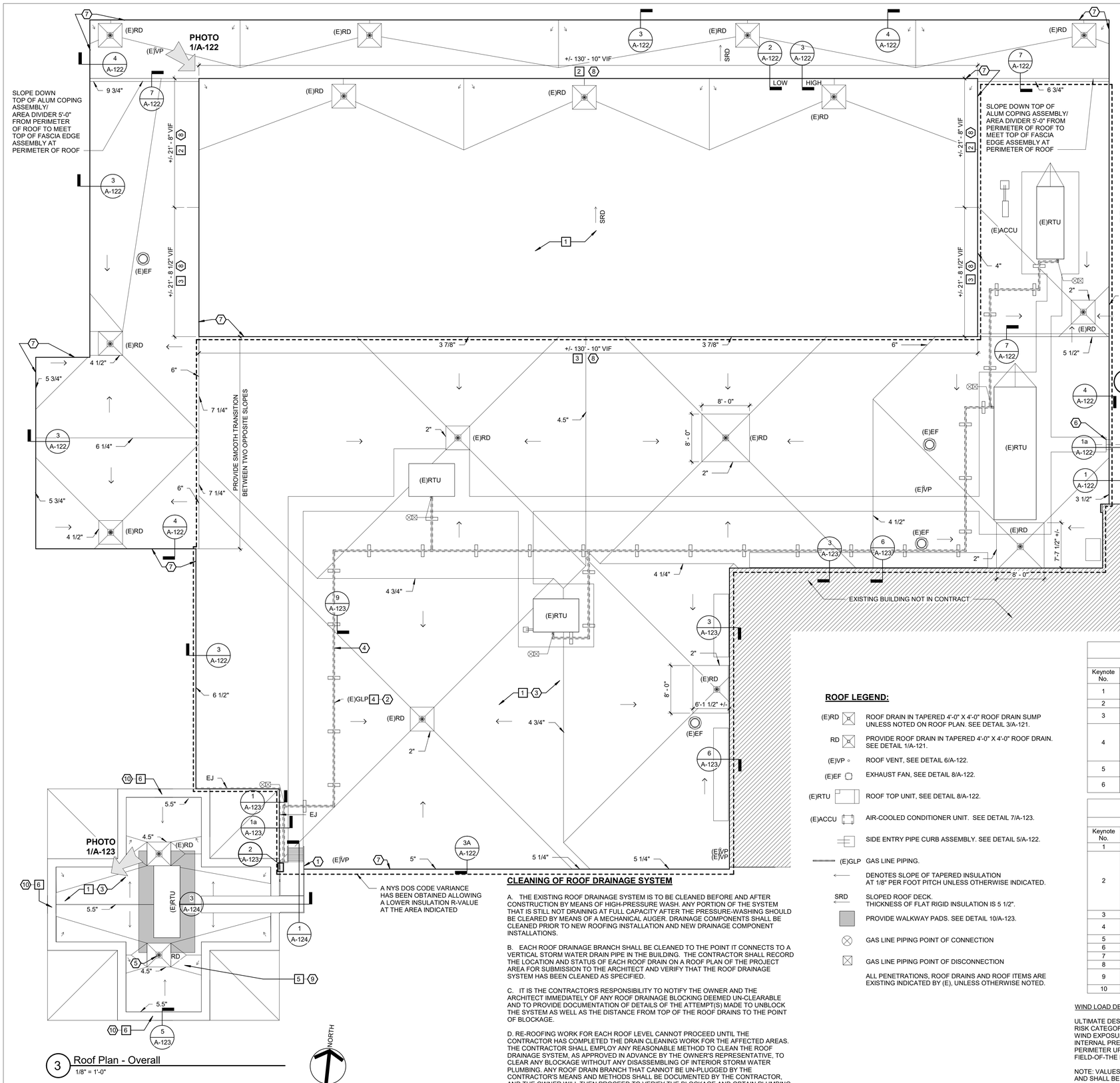
TREES

MATTER RE:

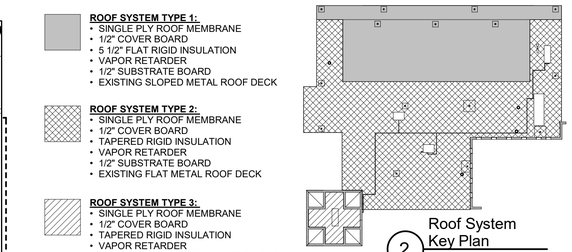
Address	Description	Recommendation
106 Templeton Road	17" Norway Maple	Remove
190 Antlers Drive	35" Silver Maple	Remove and Replace
697 Highland Ave.	29" Noreway Maple	Remove
59 Seminole Way	Dead Tree	Remove and Replace
280 Pelham Road	28" Tulip Tree	Remove and Replace
39 Sunset Drive #1	48" Norway Maple	Remove and Replace
39 Sunset Drive #2	Dead Tree	Remove and Replace
129 Buckland Ave	Dead Maple	Remove and Replace
105 Sunset Drive	39 Locust Tree	Remove and Replace
898 Clover St. #1	39" Silver Maple	Remove and Replace, (ASAP)
898 Clover St. #2	38" Silver Maple	Remove

MEETING ADJOURNED:

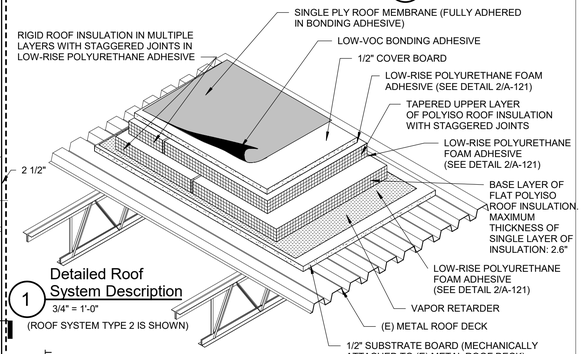
NEXT COMMITTEE MEETING: December 7, 2021 at 9:00 A.M



3 Roof Plan - Overall
1/8" = 1'-0"



2 Roof System Key Plan
1" = 50'-0"



1 Detailed Roof System Description
3/4" = 1'-0"
(ROOF SYSTEM TYPE 2 IS SHOWN)

GENERAL ROOFING NOTES :

1. FIELD VERIFY ALL EXISTING CONDITIONS AND DIMENSIONS AND NOTIFY ARCHITECT IN WRITING WITHIN 24 HOURS OF DISCOVERY OF ANY DISCREPANCIES.
2. EQUIPMENT CURBS SHALL HAVE FLASHING HEIGHT OF 8" MINIMUM ABOVE THE PROPOSED ROOF MEMBRANE. PROVIDE CURB EXTENSIONS OR RESET UNITS WITH WOOD BLOCKING TO MATCH HEIGHT OF PROPOSED INSULATION WHERE INDICATED.
3. REMOVE ALL CONSTRUCTION DEBRIS AT THE END OF EACH WORKDAY. COORDINATE LOCATION OF MATERIAL STORAGE, DUMPSTERS, CONSTRUCTION VEHICLES, TEMPORARY TOILETS, PARKING AND OTHER CONSTRUCTION-RELATED ACTIVITIES WITH OWNER PRIOR TO CONSTRUCTION STAGING.
4. TEMPORARILY DISCONNECT AND RE-CONNECT ALL UTILITIES AND SERVICES NECESSARY FOR INSTALLATION OF NEW ROOF OR FOR DEMOLITION PURPOSES NOT INDICATED UNDER OTHER CONTRACTS. BUILDING UTILITIES MAY NOT BE INTERRUPTED AT ANY TIME DURING THIS PROJECT.
5. ESTABLISH AND MAINTAIN WATERTIGHT CONDITION AT ALL ROOF AREAS AT ALL TIMES THROUGH DURATION OF WORK.
6. INSPECT ALL EXPOSED EXISTING ROOF DECKING ON ORDER TO CONFIRM THAT EXISTING DECK MATERIALS ARE INTACT, SOLID AND SECURELY FASTENED. NOTIFY ARCHITECT IMMEDIATELY IF DISTRESSED, DETERIORATED, DAMAGED, MISSING OR LOOSE MATERIALS ARE DISCOVERED.
7. REPLACE ALL EXISTING DRAIN CLAMP BOLTS WITH NEW STAINLESS STEEL BOLTS AFTER TAPPING THREADS AS NECESSARY TO PROVIDE FULL CLAMPING. REPLACE CRACKED, DAMAGED OR MISSING DRAIN CLAMPS AS REQUIRED WITH CAST IRON COMPONENTS TO PROVIDE FULL CLAMPING AT ROOF DRAINS. REPLACE ALL MISSING OR DAMAGED STRAINERS WITH NEW CAST IRON STRAINERS BY THE ORIGINAL ROOF DRAIN MFG. OR APPROVED EQUAL.

ROOF LEGEND:

- (E)RD — ROOF DRAIN IN TAPERED 4'-0" X 4'-0" ROOF DRAIN SUMP UNLESS NOTED ON ROOF PLAN. SEE DETAIL 3/A-121.
- RD — PROVIDE ROOF DRAIN IN TAPERED 4'-0" X 4'-0" ROOF DRAIN. SEE DETAIL 1/A-121.
- (E)VP — ROOF VENT, SEE DETAIL 6/A-122.
- (E)EF — EXHAUST FAN, SEE DETAIL 8/A-122.
- (E)RTU — ROOF TOP UNIT, SEE DETAIL 8/A-122.
- (E)ACCU — AIR-COOLED CONDITIONER UNIT. SEE DETAIL 7/A-123.
- SIDE ENTRY PIPE CURB ASSEMBLY. SEE DETAIL 5/A-122.
- (E)GLP — GAS LINE PIPING.
- DENOTES SLOPE OF TAPERED INSULATION AT 1/8" PER FOOT PITCH UNLESS OTHERWISE INDICATED.
- SRD — SLOPED ROOF DECK. THICKNESS OF FLAT RIGID INSULATION IS 5 1/2".
- PROVIDE WALKWAY PADS. SEE DETAIL 10/A-123.
- GAS LINE PIPING POINT OF CONNECTION
- GAS LINE PIPING POINT OF DISCONNECTION

ALL PENETRATIONS, ROOF DRAINS AND ROOF ITEMS ARE EXISTING INDICATED BY (E), UNLESS OTHERWISE NOTED.

CLEANING OF ROOF DRAINAGE SYSTEM

A. THE EXISTING ROOF DRAINAGE SYSTEM IS TO BE CLEANED BEFORE AND AFTER CONSTRUCTION BY MEANS OF HIGH-PRESSURE WASH. ANY PORTION OF THE SYSTEM THAT IS STILL NOT DRAINING AT FULL CAPACITY AFTER THE PRESSURE-WASHING SHOULD BE CLEARED BY MEANS OF A MECHANICAL AUGER. DRAINAGE COMPONENTS SHALL BE CLEANED PRIOR TO NEW ROOFING INSTALLATION AND NEW DRAINAGE COMPONENT INSTALLATIONS.

B. EACH ROOF DRAINAGE BRANCH SHALL BE CLEANED TO THE POINT IT CONNECTS TO A VERTICAL STORM WATER DRAIN PIPE IN THE BUILDING. THE CONTRACTOR SHALL RECORD THE LOCATION AND STATUS OF EACH ROOF DRAIN ON A ROOF PLAN OF THE PROJECT AREA FOR SUBMISSION TO THE ARCHITECT AND VERIFY THAT THE ROOF DRAINAGE SYSTEM HAS BEEN CLEANED AS SPECIFIED.

C. IT IS THE CONTRACTOR'S RESPONSIBILITY TO NOTIFY THE OWNER AND THE ARCHITECT IMMEDIATELY OF ANY ROOF DRAINAGE BLOCKING DEEMED UN-CLEARABLE AND TO PROVIDE DOCUMENTATION OF DETAILS OF THE ATTEMPT(S) MADE TO UNBLOCK THE SYSTEM AS WELL AS THE DISTANCE FROM TOP OF THE ROOF DRAINS TO THE POINT OF BLOCKAGE.

D. RE-ROOFING WORK FOR EACH ROOF LEVEL CANNOT PROCEED UNTIL THE CONTRACTOR HAS COMPLETED THE DRAIN CLEANING WORK FOR THE AFFECTED AREAS. THE CONTRACTOR SHALL EMPLOY ANY REASONABLE METHOD TO CLEAN THE ROOF DRAINAGE SYSTEM, AS APPROVED IN ADVANCE BY THE OWNER'S REPRESENTATIVE, TO CLEAR ANY BLOCKAGE WITHOUT ANY DISASSEMBLING OF INTERIOR STORM WATER PLUMBING. ANY ROOF DRAIN BRANCH THAT CANNOT BE UN-PLUGGED BY THE CONTRACTOR'S MEANS AND METHODS SHALL BE DOCUMENTED BY THE CONTRACTOR, AND THE OWNER WILL THEN PROCEED TO VERIFY THE BLOCKAGE AND OBTAIN PLUMBING SERVICE TO CORRECT THE DRAINAGE PROBLEM(S).

Roof Demolition Notes

*NOTED AS ○ ON PLAN

Keynote No.	Description
1	REMOVE SINGLE-PLY EPDM ROOF MEMBRANE SYSTEM CONSISTING OF STONE BALLAST, EPDM MEMBRANE AND FLASHINGS, INSULATION, FASCIA EDGE ASSEMBLIES AND DETERIORATED WOOD BLOCKING
2	(E) ALUM. CLAD INSULATED PANEL SYSTEM TO BE REMOVED, CUT, AND SALVAGED FOR REINSTALLATION.
3	(E) ALUM. CLAD INSULATED PANEL SYSTEM TO BE REMOVED, AND SALVAGED FOR REINSTALLATION AFTER BASE FLASHING IS INSTALLED.
4	REMOVE GAS PIPING, SUPPORTS, AND ACCESSORIES BACK TO POINTS OF DISCONNECT AT FOUR (4) ROOFTOP HVAC UNITS AND SUPPLY MAIN TO THE ROOF. AT SUPPLY MAIN SERVING THE ROOF REMOVE LENGTH OF VERTICAL SECTION OF GAS PIPING TO ACCOMMODATE THE HEIGHT OF THE NEW GAS PIPING SUPPORTS. FIELD VERIFY EXISTING PIPE SIZES TO BE PROVIDED IN THE NEW WORK PLAN. PROVIDE TEMPORARY CAPS ON ALL PIPING BEFORE FINAL CONNECTIONS ARE MADE.
5	REMOVE PORTION OF EXISTING GYPSUM CEILING BELOW TO ACCOMMODATE THE INSTALLATION OF THE ROOF DRAIN.
6	REMOVE LOUVERS (QTY-3) AND SALVAGE FOR REINSTALLATION TO ACCOMMODATE THE INSTALLATION OF ROOFING MEMBRANE.

Roof Key Notes

*NOTED AS □ ON PLAN

Keynote No.	Keynote Description
1	PROVIDE METAL CROSSOVER LADDER.
2	PROVIDE NEW SCHEDULE 40 BLACK STEEL GAS PIPING WITH THREADED AND WELDED CONNECTIONS TO MATCH EXISTING. PROVIDE SIZES, TRANSITIONS, AND ROUTING TO MATCH EXISTING. AT EACH ROOFTOP UNIT PROVIDE ISOLATION VALVE, AND 6" DIRT LEG IN ACCORDANCE WITH DETAIL 4 ON A-123. PRIME AND PAINT ALL NEW GAS PIPING A COLOR SELECTED BY THE ARCHITECT. PROVIDE GAS PIPE SUPPORTS AND WIND RESTRAINTS IN ACCORDANCE WITH DETAIL 8 ON A-123. PRESSURE TEST ALL NEW PIPING BEFORE MAKING FINAL CONNECTIONS TO EQUIPMENT. TESTS SHALL BE ACCOMPANIED BY A FACILITY REPRESENTATIVE. AT CONCLUSION OF TESTING PURGE ALL NEW NATURAL GAS PIPING. PIPING INSTALLATION, SUPPORTS, WIND RESTRAINTS, TESTING, AND PURGING SHALL BE IN ACCORDANCE WITH THE 2020 FUEL GAS CODE OF NYS AND AUTHORITY HAVING JURISDICTION.
3	PROVIDE WALKWAY PADS AROUND ALL ROOFTOP EQUIPMENT WHERE INDICATED.
4	PROVIDE A 1'-6" WIDE EQUIPMENT RAIL 7/A-123 AND GAS LINE SUPPORTS 3/A-121 AT SPECIFIC LOCATIONS, QUANTITY, AND SPACING, REFER TO DELGATED DESIGN DRAWINGS.
5	PROVIDE NEW ROOF DRAIN AND TIE INTO ADJACENT ROOF DRAIN LEADER.
6	PROVIDE LADDER DOCK.
7	PROVIDE FASCIA EDGE ASSEMBLY.
8	REINSTALL (E) ALUM. CLAD INSULATED PANEL SYSTEM AFTER ROOF FLASHING HAS BEEN INSTALLED.
9	PATCH AND REPAIR GYPSUM CEILING AFTER INSTALLATION OF ROOF DRAIN. PAINT CEILING TO MATCH EXISTING PAINT COLOR.
10	REINSTALL LOUVERS UPON COMPLETION OF ROOF INSTALLATION.

WIND LOAD DESIGN DATA:

ULTIMATE DESIGN WIND SPEED.....110 MPH
RISK CATEGORY.....II
WIND EXPOSURE.....B
INTERNAL PRESSURE COEFFICIENT.....+/-0.18
PERIMETER UPLIFT PRESSURE.....-40.7 PSF
FIELD-OF-THE ROOF UPLIFT PRESSURE.....-17.7 PSF

NOTE: VALUES INDICATED ARE ULTIMATE VALUES AND SHALL BE USED IN ACCORDANCE WITH LOAD COMBINATIONS IN THE IBC. (THEY ARE NOT SERVICE LEVEL LOADS).

2020 ENERGY CONSERVATION CONSTRUCTION CODE OF NEW YORK STATE COMPLIANCE :

MONROE COUNTY
ASHRAE CLIMATE ZONE: 5A
COMMERCIAL BUILDING

ROOF INSULATION REQUIREMENTS: THE MINIMUM THERMAL REQUIREMENTS (R-VALUE) OF THE INSULATING MATERIAL INSTALLED CONTINUOUSLY ON THE ROOF ASSEMBLY SHALL BE R-30.

A NYS DOS CODE VARIANCE HAS BEEN OBTAINED ALLOWING A LOWER INSULATION R-VALUE AT AREA INDICATED ON ROOF PLAN

SWBR
387 East Main Street Rochester NY 14604
585 232 8300 | rochester@swbr.com

Drawn By:	KEP
Checked By:	EK
Project Manager:	RRS

Revisions

Brighton Memorial Library Roof Replacement
SWBR Project Number 20596.00

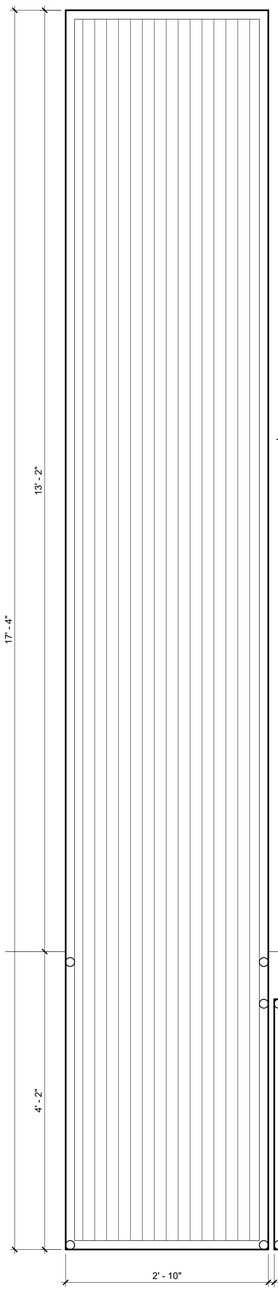
Brighton Memorial Library
2300 Elmwood Ave,
Rochester, NY 14618

A-120

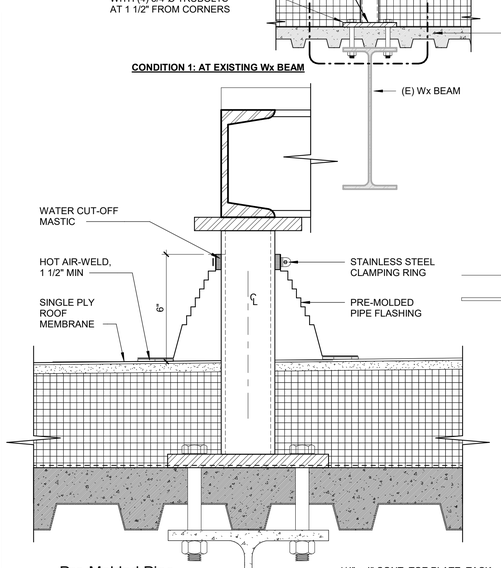
Roof Plan and Notes

MAY 31, 2021

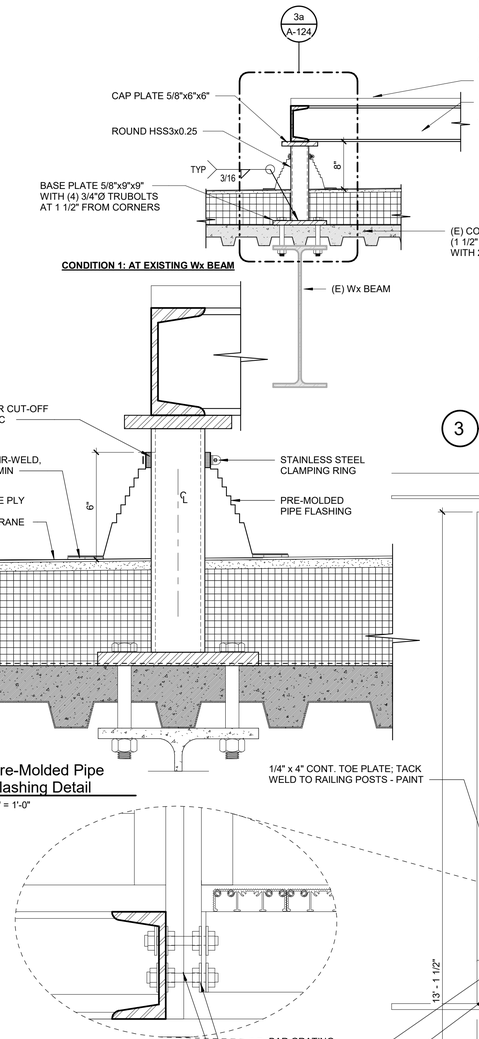
BIDDING DOCUMENTS

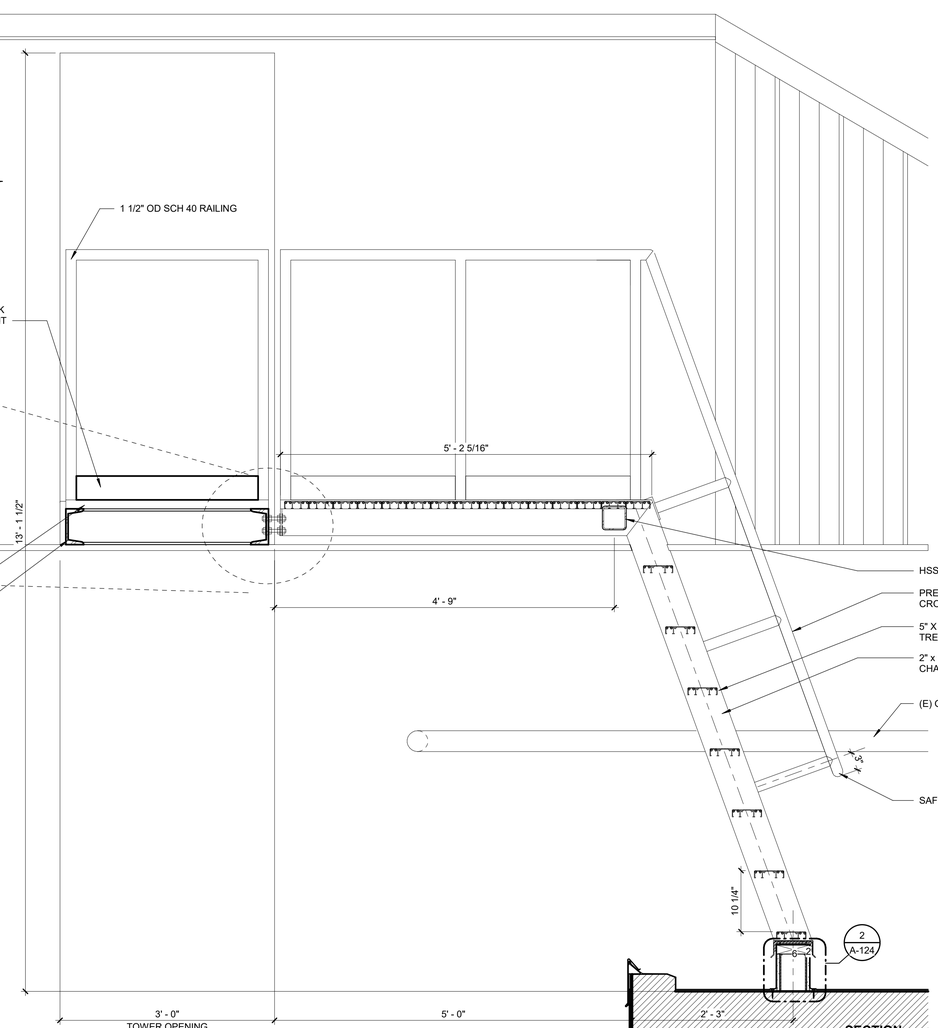


PLATFORM PLAN

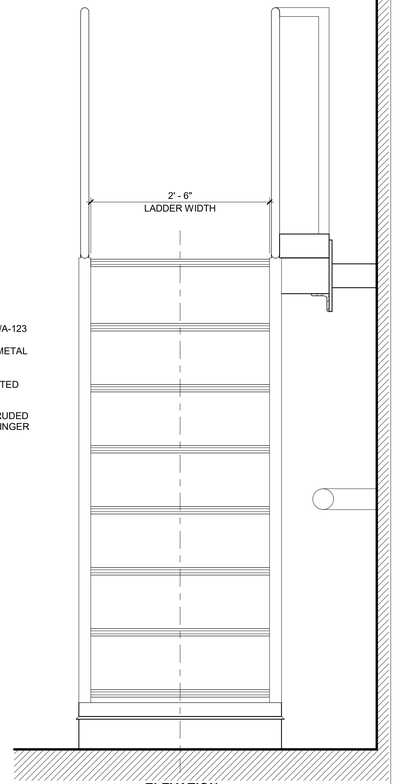


3a Pre-Molded Pipe Flashing Detail
3" = 1'-0"



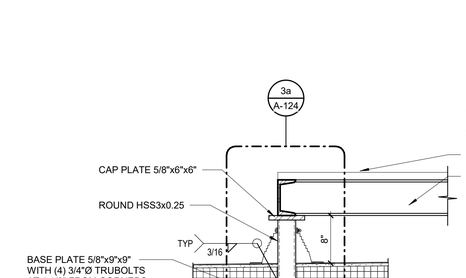


SECTION

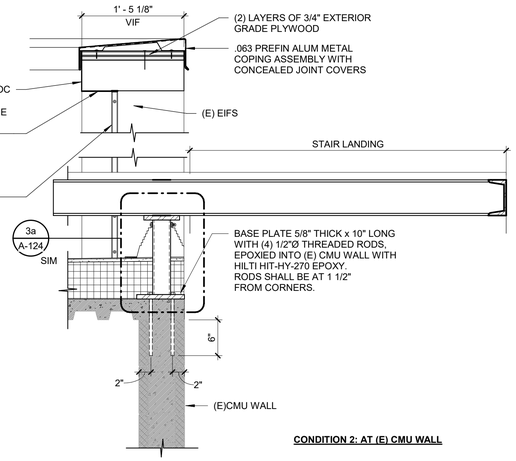


ELEVATION

1 Pre-Engineered Crossover Ladder Details
1" = 1'-0"

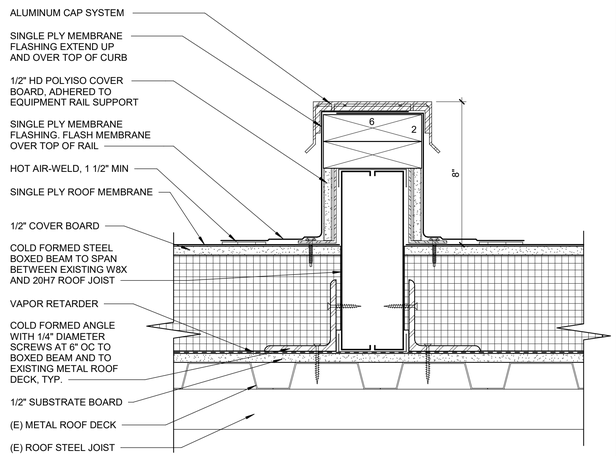


CONDITION 1: AT EXISTING Wx BEAM



CONDITION 2: AT (E) CMU WALL

3 Platform Post Details
1" = 1'-0"



2 Curb Detail
3" = 1'-0"

SWBR
387 East Main Street Rochester NY 14604
585 232 8300 | rochester@swbr.com

Drawn By:	KEP
Checked By:	EK
Project Manager:	RRS

Revisions

Brighton Memorial Library Roof Replacement
SWBR Project Number 20596.00

Brighton Memorial Library
2300 Elmwood Ave,
Rochester, NY 14618

A-124

Roof Details

MAY 31, 2021
BIDDING DOCUMENTS

DRAFT PUBLIC WORKS MEETING

2022 SCHEDULE

JANUARY 4, 2022 @ 9:00 AM

FEBRUARY 1, 20221 @ 9:00 AM

MARCH 1, 2022 @ 9:00 AM

APRIL 5, 2022 @ 9:00 AM

MAY 3, 2022 @ 9:00 AM

JUNE 7, 2022 @ 9:00 AM

JULY 5, 2022 @ 9:00 AM

AUGUST 2, 2022 @ 9:00 AM

SEPTEMBER 6, 2022 @ 9:00 AM

OCTOBER 4, 2021 @ 9:00 AM

NOVEMBER 1, 2021 @ 9:00 AM

DECEMBER 6, 2021 @ 9:00 AM

Town of
Brighton

Building and Planning
Department
Commissioner of Public Works – Michael Guyon, P.E.

Rick DiStefano
Planner

November 23, 2021

Michael Guyon, Commissioner of Public Works
Town of Brighton
2300 Elmwood Avenue
Rochester, NY 14618

RE: Tree Removals

Dear Commissioner Guyon:

In response to your letter, dated October 27, 2021, and attached tree evaluation forms regarding the proposed removal of town trees, the Tree Council reviewed the forms and visited the sites.

In regards to proposed tree removals at:

106 Templeton Road	17" Norway maple
190 Antlers Drive	35" Silver maple
697 Highland Ave	29" Norway maple
59 Seminole Way	Dead tree
280 Pelham Road	28" Tulip
39 Sunset Drive #1	48" Norway maple
39 Sunset Drive #2	Dead tree

The Council is in agreement with the evaluations and supports the removal of the identified trees. As recommended, the Council encourages properly sized replacement trees be planted as soon as possible.

In regards to proposed tree removal(s) at:

129 Buckland Ave	Dead maple

The Council is in agreement with the evaluations and supports the removal of the identified trees, and they recommend a replacement tree be planted in the general area.

In regards to proposed tree removal(s) at:

105 Sunset Drive	39" Locust

The Council suggests that this tree should be removed, not re-cabled. A replace tree should be planted at the removal site.

In regards to proposed tree removals at:

898 Clover Street #1	39" Silver maple
898 Clover Street #2	38" Silver maple

The Council is in agreement with the evaluations and supports the removal of the identified trees. The Council encourages **one** properly sized replacement tree be planted as soon as possible.

Sincerely,

Rick DiStefano, Secretary
Brighton Tree Council

cc: Steve Zimmer

Town of Brighton

Public Works Department

Mike Guyon, P.E.
Commissioner of Public Works

October 27, 2021

The Honorable Tree Council
Town of Brighton
2300 Elmwood Ave.
Rochester, New York

Re: Tree Evaluations and Recommendations

Honorable Members:

I request your review and comment regarding the proposed recommendations of the following tree(s):

Address	Description	Recommendation
106 Templeton Road	17" Norway Maple	Remove
190 Antlers Drive	35" Silver Maple	Remove and Replace
697 Highland Avenue	29" Norway Maple	Remove
129 Buckland Avenue	Dead Maple	Remove
59 Seminole Way	Dead Tree	Remove and Replace
280 Pelham Road	28" Tulip Tree	Remove and Replace
105 Sunset Drive	39" Locust Tree	Remove
39 Sunset Drive	48" Norway Maple	Remove and Replace
39 Sunset Drive	Dead Tree	Remove and Replace
898 Clover Street.	39" Silver Maple	Remove
898 Clover Street	38" Silver Maple	Remove

The above trees exhibit compromised health, structural deficiencies and/or safety issues as noted in the attached reports. These locations are a cause for concern of the general public which supports the recommendation to trim, remove and replant these trees as noted.

Thank you for your attention to this matter and I look forward to your review of this tree.

Respectfully,

Michael E. Guyon
Commissioner of Public Works

Attachments

Cc: Steve Zimmer
William Haefner

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas

TREE HAZARD EVALUATION FORM 2nd Edition

Site/Address: 106 Templeton

Map/Location:

Owner: public X private ____ unknown ____ other ____

Date: 10-21-21 Inspector: Zachariah A Potter Jr.

Date of last inspection:

HAZARD RATING:

4 + 4 + 4 = 12

Failure Potential + Size of part + Target Rating = Hazard Rating

X Immediate action needed

____ Needs further inspection

X Dead tree

TREE CHARACTERISTICS

Tree #: 3 Species:

DBH: 17" # of trunks: 1 Height: 60 Spread: 30

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 10 % **Age class:** ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent

Pruning history: ☒ crown cleaned ☒ excessively thinned ☒ topped ☒ crown raised ☐ pollarded ☒ crown reduced ☒ flush cuts ☐ cabled/braced ☐ none ☒ multiple pruning events Approx. dates:

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ protected by gov. agency

TREE HEALTH

Foliage color: ☐ normal ☐ chlorotic ☒ necrotic **Epicormics?** (Y) N

Foliage density: ☐ normal ☒ sparse **Leaf size:** ☐ normal ☒ small

Annual shoot growth: ☐ excellent ☐ average ☒ poor **Twig Dieback?** (Y) N

Woundwood development: ☐ excellent ☐ average ☒ poor ☐ none

Vigor class: ☐ excellent ☐ average ☐ fair ☒ poor

Major pests/diseases:

Growth obstructions:

☐ stakes ☐ wire/ties ☐ signs ☐ cables

☒ curb/pavement ☐ guards

☐ other

SITE CONDITIONS

Site Character: ☒ residence ☐ commercial ☐ industrial ☐ park ☐ open space ☐ natural ☐ woodland\forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☒ lawn ☐ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wettled

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved: 0% 10-25% (25-50%) 50-75% 75-100% **Pavement lifted?** Y N

% dripline w/ fill soil: 0% 10-25% (25-50%) 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail ☐ clay ☐ expansive ☐ slope ____° aspect: ____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ ____

Exposure to wind: ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☒ area prone to windthrow

Prevailing wind direction: ____ Occurrence of snow/ice storms ☐ never ☐ seldom ☒ regularly

TARGET

Use Under Tree: ☐ building ☒ parking ☒ traffic ☒ pedestrian ☒ recreation ☐ landscape ☐ hardscape ☐ small features ☐ utility lines

Can target be moved? Y (N) **Can use be restricted?** Y (N)

Occupancy: ☐ occasional use ☐ intermittent use ☐ frequent use ☒ constant use

TREE DEFECTS

ROOT DEFECTS:

Suspect root rot: (Y) N **Mushroom/conk/bracket present:** Y (N) **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☒ low **Undermined:** ☐ severe ☐ moderate ☒ low

Root pruned: _____ distance from trunk **Root area affected:** _____% **Buttress wounded:** Y (N) **When:** _____

Restricted root area: ☒ severe ☐ moderate ☐ low **Potential for root failure:** ☒ severe ☐ moderate ☐ low

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving:** Y N

Decay in plane of lean: Y N **Roots broken** Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** ☐ severe ☐ moderate ☐ low

CROWN DEFECTS: Indicate presence of individual defects and rate their severity (s = severe, m = moderate, l = low)

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep			X	
Codominants/forks		X	X	X
Multiple attachments				
Included bark		X	X	X
Excessive end weight				
Cracks/splits		X	X	X
Hangers				
Girdling				
Wounds/seam		X	X	
Decay				
Cavity		X	X	
Conks/mushrooms/bracket				
Bleeding/sap flow		X	X	X
Loose/cracked bark		X	X	X
Nesting hole/bee hive		X	X	X
Deadwood/stubs			X	X
Borers/termites/ants		X	X	X
Cankers/galls/burls				
Previous failure		X	X	X

HAZARD RATING

Tree part most likely to fail: _____

Inspection period: _____ annual _____ biannual _____ other _____

Failure Potential + Size of Part + Target Rating = Hazard Rating

4 + 4 + 4 = 12

Failure potential: 1 - low; 2 - medium; 3 - high; 4 - severe

Size of part: 1 - <6" (15 cm); 2 - 6-18" (15-45 cm); 3 - 18-30" (45-75 cm); 4 - >30" (75 cm)

Target rating: 1 - occasional use; 2 intermittent use; 3 - frequent use; 4 - constant use

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☐ none ☐ evaluate

Notification: ☐ owner ☐ manager ☒ governing agency **Date:** 10.21.21

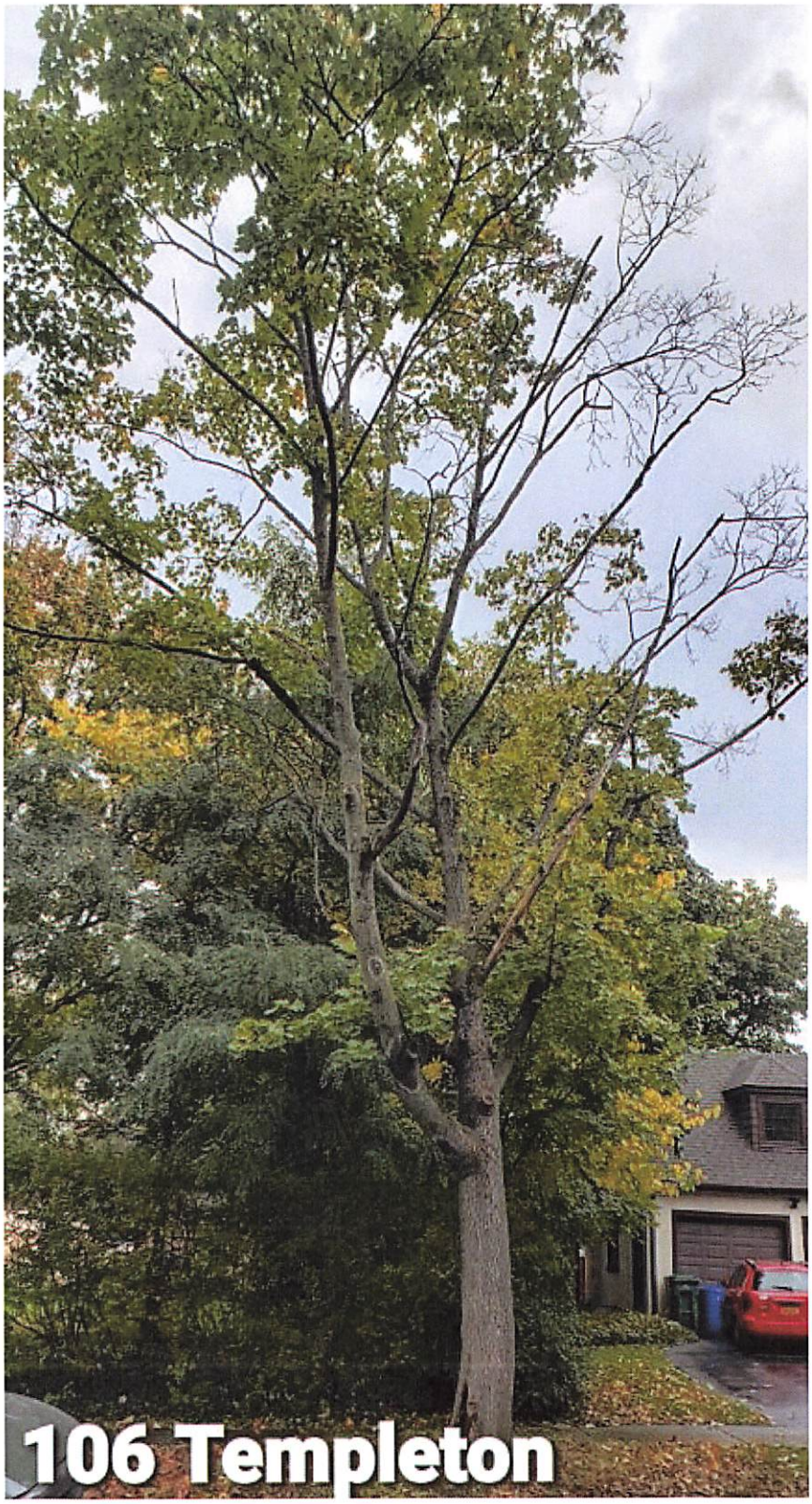
COMMENTS

Tree is dead. Affected area is at trunk base and is severe. Termite infestation.

Z.P.


106 Templeton


106 Templeton


106 Templeton


106 Templeton

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas

TREE HAZARD EVALUATION FORM 2nd Edition

Site/Address: 190 Antlers

Map/Location:

Owner: public X private ____ unknown ____ other ____

Date: 9.2.21 Inspector: Zachariah A. Potter Jr

Date of last inspection:

HAZARD RATING:

4 (Failure Potential) + 4 (Size of part) + 4 (Target Rating) = 12 (Hazard Rating)

X Immediate action needed

____ Needs further inspection

X Dead tree

TREE CHARACTERISTICS

Tree #: 1 Species: Silver maple

DBH: 35" # of trunks: 2 Height: 70 Spread: 40

Form: ☐ generally symmetric ☐ minor asymmetry ☒ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 50 % Age class: ☐ young ☐ semi-mature ☐ mature ☒ over-mature/senescent

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☐ none ☐ multiple pruning events Approx. dates: ____

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ protected by gov. agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic Epicormics? Y N

Foliage density: ☐ normal ☒ sparse Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☐ average ☒ poor Twig Dieback? (Y) N

Woundwood development: ☐ excellent ☐ average ☒ poor ☐ none

Vigor class: ☐ excellent ☐ average ☒ fair ☐ poor

Major pests/diseases: ____

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☒ curb/pavement ☐ guards ☐ other ____

SITE CONDITIONS

Site Character: ☒ residence ☐ commercial ☐ industrial ☐ park ☐ open space ☐ natural ☐ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☒ lawn ☐ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved: 0% 10-25% 25-50% 50-75% (75-100%) Pavement lifted? Y (N)

% dripline w/ fill soil: 0% (10-25%) 25-50% 50-75% 75-100%

% dripline grade lowered: 0% (10-25%) 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail ☐ clay ☐ expansive ☐ slope ____° aspect: ____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☒ underground utilities ☐ traffic ☐ adjacent veg. ☐ ____

Exposure to wind: ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: ____ Occurrence of snow/ice storms ☐ never ☐ seldom ☒ regularly

TARGET

Use Under Tree: ☐ building ☒ parking ☒ traffic ☒ pedestrian ☒ recreation ☐ landscape ☐ hardscape ☐ small features ☒ utility lines

Can target be moved? Y (N) Can use be restricted? Y (N)

Occupancy: ☐ occasional use ☐ intermittent use ☐ frequent use ☒ constant use

TREE DEFECTS

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk/bracket present:** Y (N) **ID:** _____

Exposed roots: ☐ severe ☒ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☒ low

Root pruned: _____ distance from trunk **Root area affected:** _____% **Buttress wounded:** Y N **When:** _____

Restricted root area: ☐ severe ☒ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☒ low

LEAN: 20 deg. from vertical ☐ natural ☒ unnatural ☐ self-corrected **Soil heaving:** Y (N)

Decay in plane of lean: (Y) N **Roots broken** Y (N) **Soil cracking:** Y (N)

Compounding factors: excessive end weight/Falling limbs **Lean severity:** ☐ severe ☐ moderate ☐ low

CROWN DEFECTS: Indicate presence of individual defects and rate their severity (s = severe, m = moderate, l = low)

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper		X	X	X
Bow, sweep			X	
Codominants/forks		X	X	
Multiple attachments		X	X	X
Included bark		X	X	X
Excessive end weight			X	X
Cracks/splits		X	X	X
Hangers				X
Girdling				
Wounds/seam		X	X	
Decay		X	X	X
Cavity				
Conks/mushrooms/bracket				
Bleeding/sap flow		X		
Loose/cracked bark		X	X	X
Nesting hole/bee hive		X	X	
Deadwood/stubs			X	X
Borers/termites/ants	X	X		
Cankers/galls/burls				
Previous failure		X	X	X

HAZARD RATING

Tree part most likely to fail: Scaffolds / Branches

Inspection period: _____ annual _____ biannual _____ other _____

Failure Potential + Size of Part + Target Rating = Hazard Rating

4 + 4 + 4 = 12

Failure potential: 1 - low; 2 - medium; 3 - high; (4 - severe)

Size of part: 1 - <6" (15 cm); 2 - 6-18" (15-45 cm);
3 - 18-30" (45-75 cm); (4 - >30" (75 cm))

Target rating: 1 - occasional use; 2 intermittent use;
3 - frequent use; (4 - constant use)

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

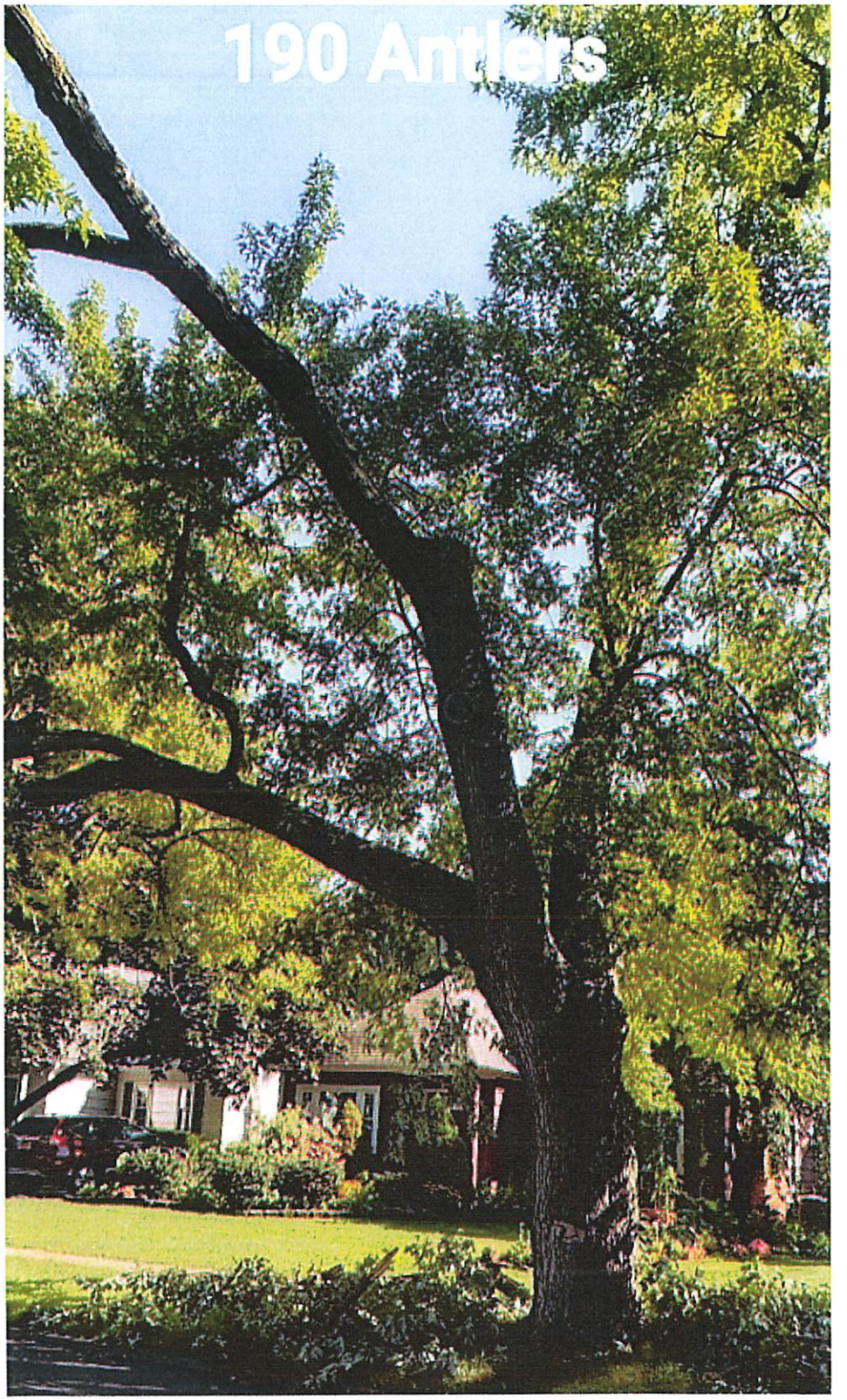
Remove tree: (Y) N **Replace?** (Y) N **Move target:** Y (N) **Other:** _____

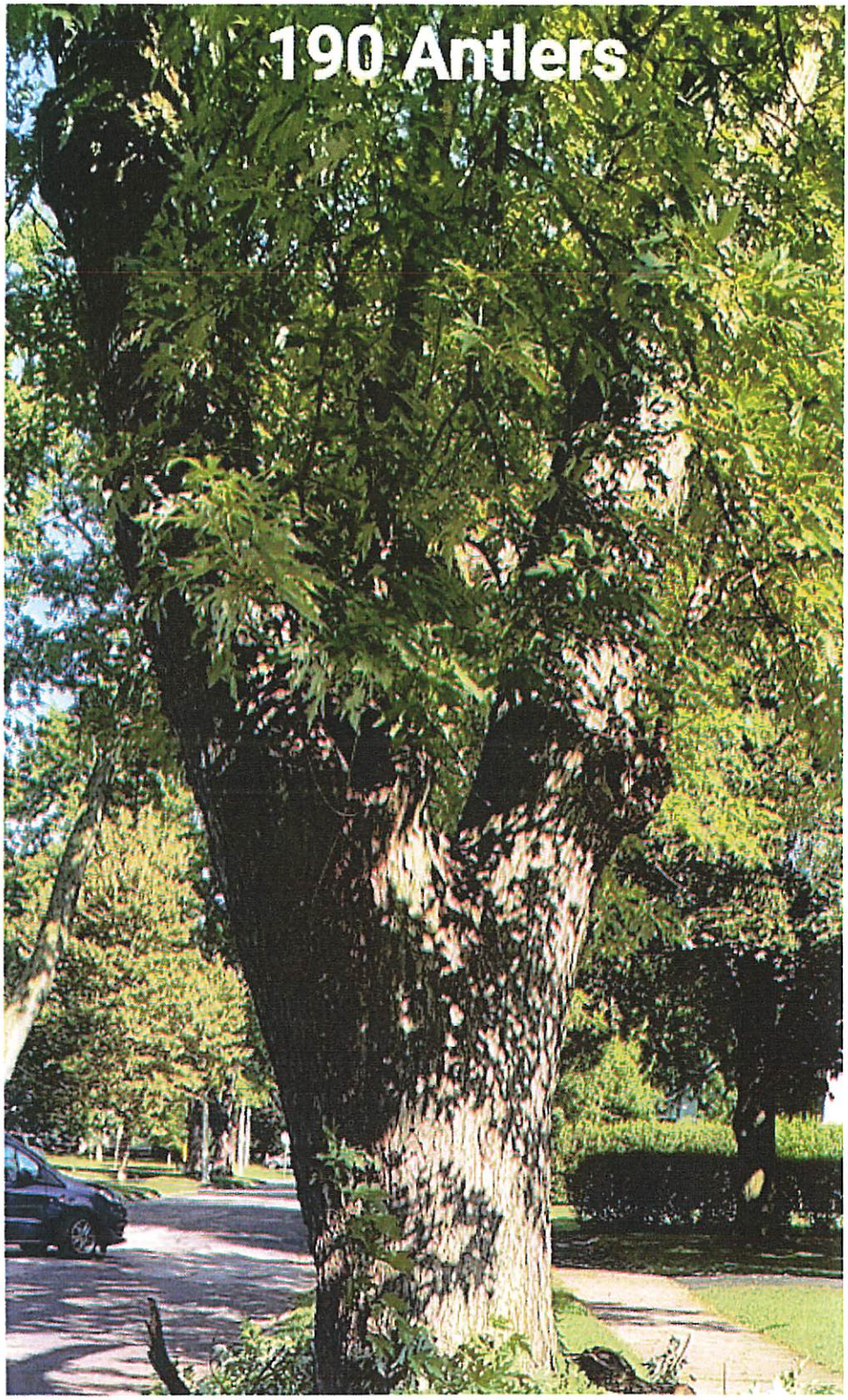
Effect on adjacent trees: ☒ none ☐ evaluate

Notification: ☐ owner ☐ manager ☒ governing agency **Date:** 8.2.21

COMMENTS


190 Antlers


190 Antlers


190 Antlers

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas

TREE HAZARD EVALUATION FORM 2nd Edition

Site/Address: 697 Highland Ave.

Map/Location: _____

Owner: public X private _____ unknown _____ other _____

Date: 10-15-21 Inspector: Zachariah A. Potter Jr.

Date of last inspection: _____

HAZARD RATING:

4 + 4 + 4 = 12

Failure Potential + Size of part + Target Rating = Hazard Rating

X Immediate action needed

_____ Needs further inspection

X Dead tree

TREE CHARACTERISTICS

Tree #: 29" Species: Norway Maple

DBH: ~~7'6~~ # of trunks: 2 Height: 50 Spread: 40

Form: ☐ generally symmetric ☒ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 80 % Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☒ crown raised ☐ pollarded ☒ crown reduced ☒ flush cuts ☐ cabled/braced ☐ none ☐ multiple pruning events Approx. dates: _____

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ protected by gov. agency

TREE HEALTH

Foliage color: ☐ normal ☒ chlorotic ☒ necrotic Epicormics? Y N

Foliage density: ☐ normal ☒ sparse Leaf size: ☐ normal ☒ small

Annual shoot growth: ☐ excellent ☐ average ☒ poor Twig Dieback? (Y) N

Woundwood development: ☐ excellent ☐ average ☒ poor ☒ none

Vigor class: ☐ excellent ☐ average ☐ fair ☒ poor

Major pests/diseases: _____

Growth obstructions:

☐ stakes ☐ wire/ties ☐ signs ☐ cables

☐ curb/pavement ☐ guards

☐ other _____

SITE CONDITIONS

Site Character: ☒ residence ☒ commercial ☐ industrial ☐ park ☐ open space ☐ natural ☐ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☒ lawn ☐ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved: 0% 10-25% (25-50%) 50-75% 75-100% Pavement lifted? Y (N)

% dripline w/ fill soil: 0% 10-25% (25-50%) 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail ☐ clay ☐ expansive ☐ slope ____° aspect: _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☒ traffic ☐ adjacent veg. ☐ _____

Exposure to wind: ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☒ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms ☐ never ☐ seldom ☒ regularly

TARGET

Use Under Tree: ☐ building ☒ parking ☒ traffic ☒ pedestrian ☒ recreation ☒ landscape ☐ hardscape ☐ small features ☐ utility lines

Can target be moved? Y (N) Can use be restricted? Y (N)

Occupancy: ☐ occasional use ☐ intermittent use ☐ frequent use ☒ constant use

TREE DEFECTS

ROOT DEFECTS:

Suspect root rot: (Y) N **Mushroom/conk/bracket present:** Y (N) **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☒ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ distance from trunk **Root area affected:** _____% **Buttress wounded:** Y (N) **When:** _____

Restricted root area: ☐ severe ☐ moderate ☒ low **Potential for root failure:** ☐ severe ☐ moderate ☒ low

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving:** Y (N)

Decay in plane of lean: Y N **Roots broken** Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** ☐ severe ☐ moderate ☐ low

CROWN DEFECTS: Indicate presence of individual defects and rate their severity (s = severe, m = moderate, l = low)

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep			X	
Codominants/forks		X	X	
Multiple attachments			X	X
Included bark		X	X	X
Excessive end weight			X	
Cracks/splits		X	X	X
Hangers				X
Girdling				
Wounds/seam		X	X	X
Decay		X	X	X
Cavity		X	X	X
Conks/mushrooms/bracket				
Bleeding/sap flow		X	X	
Loose/cracked bark		X	X	
Nesting hole/bee hive		X	X	X
Deadwood/stubs		X	X	X
Borers/termites/ants		X	X	X
Cankers/galls/burls				
Previous failure		X	X	X

HAZARD RATING

Tree part most likely to fail: Trunk

Inspection period: _____ annual _____ biannual _____ other _____

Failure Potential + Size of Part + Target Rating = Hazard Rating

4 + 4 + 4 = 12

Failure potential: 1 - low; 2 - medium; 3 - high; 4 - severe
Size of part: 1 - <6" (15 cm); 2 - 6-18" (15-45 cm); 3 - 18-30" (45-75 cm); 4 - >30" (75 cm)
Target rating: 1 - occasional use; 2 intermittent use; 3 - frequent use; 4 - constant use

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

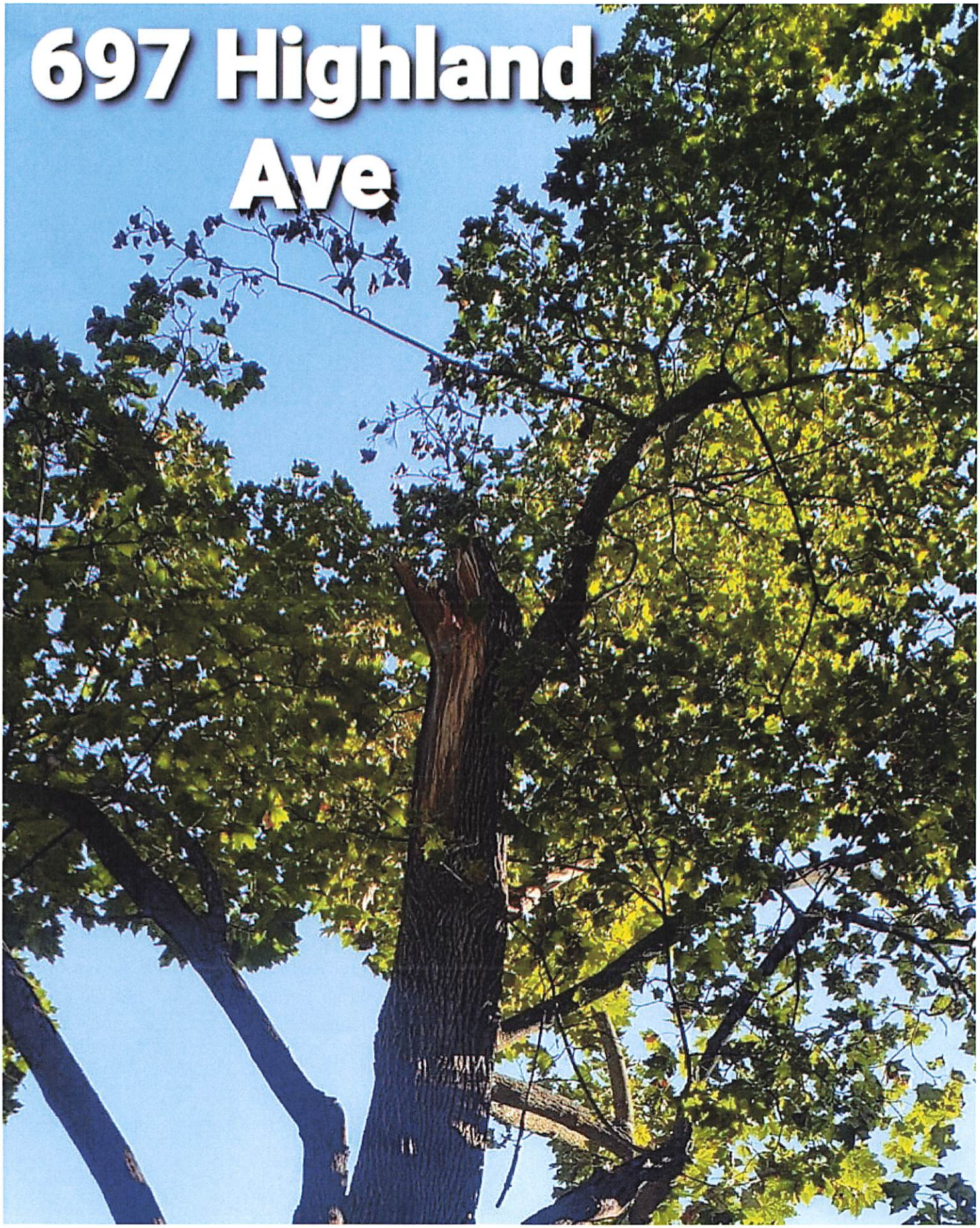
Remove tree: (Y) N **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

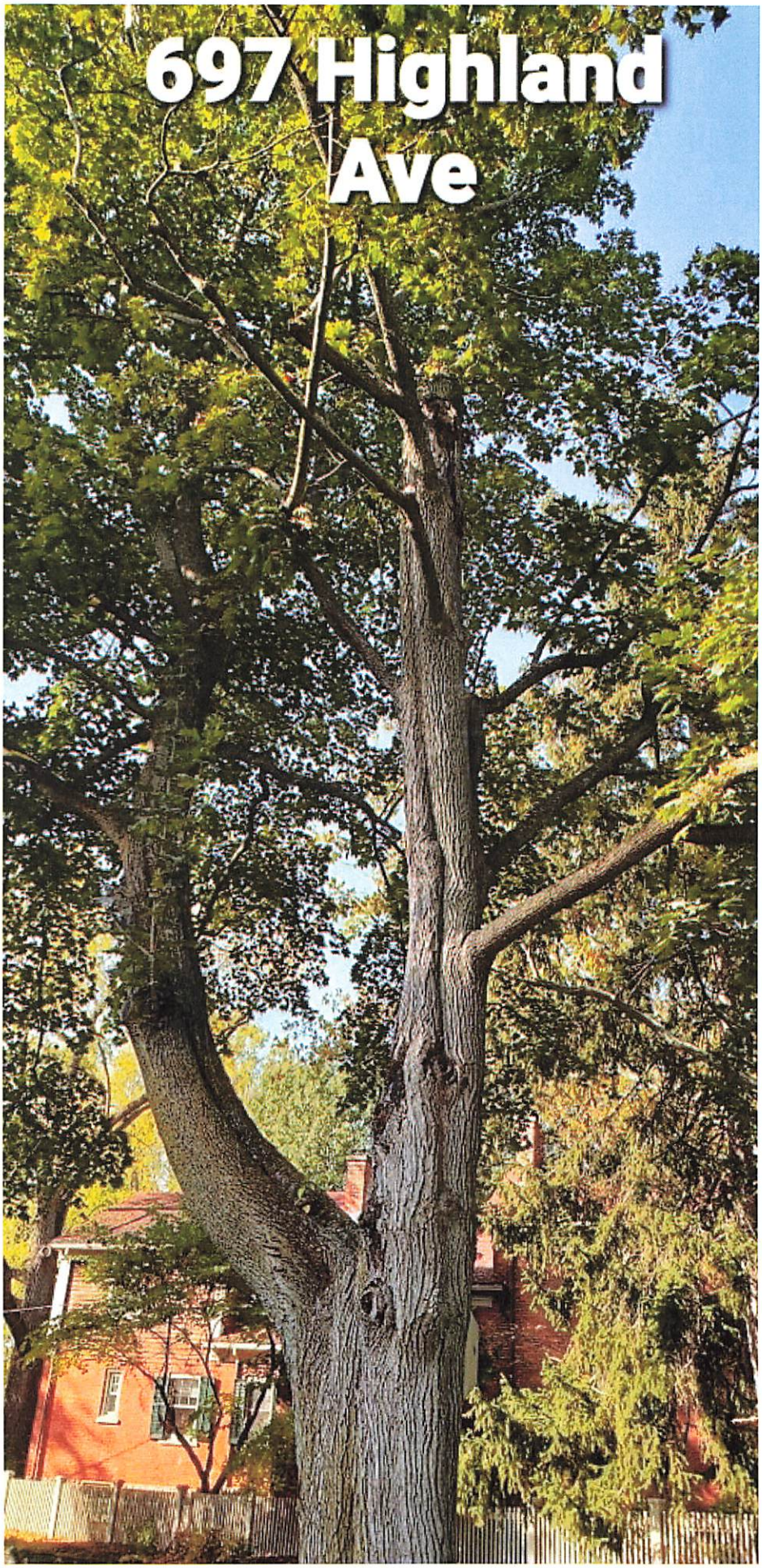
Effect on adjacent trees: ☒ none ☐ evaluate

Notification: ☐ owner ☐ manager ☒ governing agency **Date:** 10.15.21

COMMENTS

Tree is 18± from house. If/when failure happens the tree will most likely fall onto the house, because of the location of compromised trunk.


697 Highland
Ave


697 Highland
Ave


697 Highland
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A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas

TREE HAZARD EVALUATION FORM 2nd Edition

Site/Address: 129 Buckland Ave.

Map/Location: _____

Owner: public X private _____ unknown _____ other _____

Date: 9-22-21 Inspector: Zachariah A Dutter Jr.

Date of last inspection: _____

HAZARD RATING:

4 (Failure Potential) + 4 (Size of part) + 4 (Target Rating) = 12 (Hazard Rating)

X Immediate action needed

_____ Needs further inspection

X Dead tree

TREE CHARACTERISTICS

Tree #: 1 Species: Maple

DBH: _____ # of trunks: 3 Height: 30-40 Spread: 20

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 0 % Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☐ none ☐ multiple pruning events Approx. dates: _____

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ protected by gov. agency

TREE HEALTH

Foliage color: ☐ normal ☐ chlorotic ☐ necrotic Epicormics? Y N

Foliage density: ☐ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☐ average ☐ poor Twig Dieback? Y N

Woundwood development: ☐ excellent ☐ average ☒ poor ☐ none

Vigor class: ☐ excellent ☐ average ☐ fair ☐ poor

Major pests/diseases: Ants/Termites

Growth obstructions:

☐ stakes ☐ wire/ties ☐ signs ☐ cables

☐ curb/pavement ☐ guards

☐ other _____

SITE CONDITIONS

Site Character: ☐ residence ☐ commercial ☐ industrial ☐ park ☐ open space ☐ natural ☒ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☐ shrub border ☐ wind break

Irrigation: ☐ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wettled

Recent site disturbance? Y N ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved: 0% 10-25% (25-50%) 50-75% 75-100% Pavement lifted? Y N

% dripline w/ fill soil: 0% (10-25%) 25-50% 50-75% 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail ☐ clay ☐ expansive ☐ slope ____° aspect: _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☒ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Exposure to wind: ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms ☐ never ☐ seldom ☐ regularly

TARGET

Use Under Tree: ☐ building ☒ parking ☒ traffic ☒ pedestrian ☒ recreation ☐ landscape ☐ hardscape ☐ small features ☒ utility lines

Can target be moved? Y (N) Can use be restricted? Y (N)

Occupancy: ☐ occasional use ☐ intermittent use ☐ frequent use ☒ constant use

TREE DEFECTS

ROOT DEFECTS:

Suspect root rot: (Y) N **Mushroom/conk/bracket present:** (Y) N **ID:** _____

Exposed roots: ☐ severe ☒ moderate ☐ low **Undermined:** ☐ severe ☒ moderate ☐ low

Root pruned: _____ distance from trunk **Root area affected:** 25 % **Buttress wounded:** (Y) N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☒ moderate ☐ low

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving:** Y (N)

Decay in plane of lean: (Y) N **Roots broken** (Y) N **Soil cracking:** Y (N)

Compounding factors: _____ **Lean severity:** ☐ severe ☐ moderate ☐ low

CROWN DEFECTS: Indicate presence of individual defects and rate their severity (s = severe, m = moderate, l = low)

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Codominants/forks		X		
Multiple attachments		X	X	X
Included bark		X	X	X
Excessive end weight			X	
Cracks/splits		X	X	X
Hangers				
Girdling	X			
Wounds/seam	X	X	X	
Decay	X	X	X	X
Cavity	X	X	X	
Conks/mushrooms/bracket				
Bleeding/sap flow		X	X	
Loose/cracked bark	X	X	X	X
Nesting hole/bee hive	X	X	X	X
Deadwood/stubs		X	X	X
Borers/termites/ants	X	X	X	X
Cankers/galls/burls				
Previous failure	X	X	X	X

HAZARD RATING

Tree part most likely to fail: Trunk / Roots / Scaffolds / Branches

Inspection period: _____ annual _____ biannual _____ other _____

Failure Potential + Size of Part + Target Rating = Hazard Rating

4 + 4 + 4 = 12

Failure potential: 1 - low; 2 - medium; 3 - high; 4 - severe
Size of part: 1 - <6" (15 cm); 2 - 6-18" (15-45 cm); 3 - 18-30" (45-75 cm); 4 - >30" (75 cm)
Target rating: 1 - occasional use; 2 intermittent use; 3 - frequent use; 4 - constant use

HAZARD ABATEMENT

Prune: ☒ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

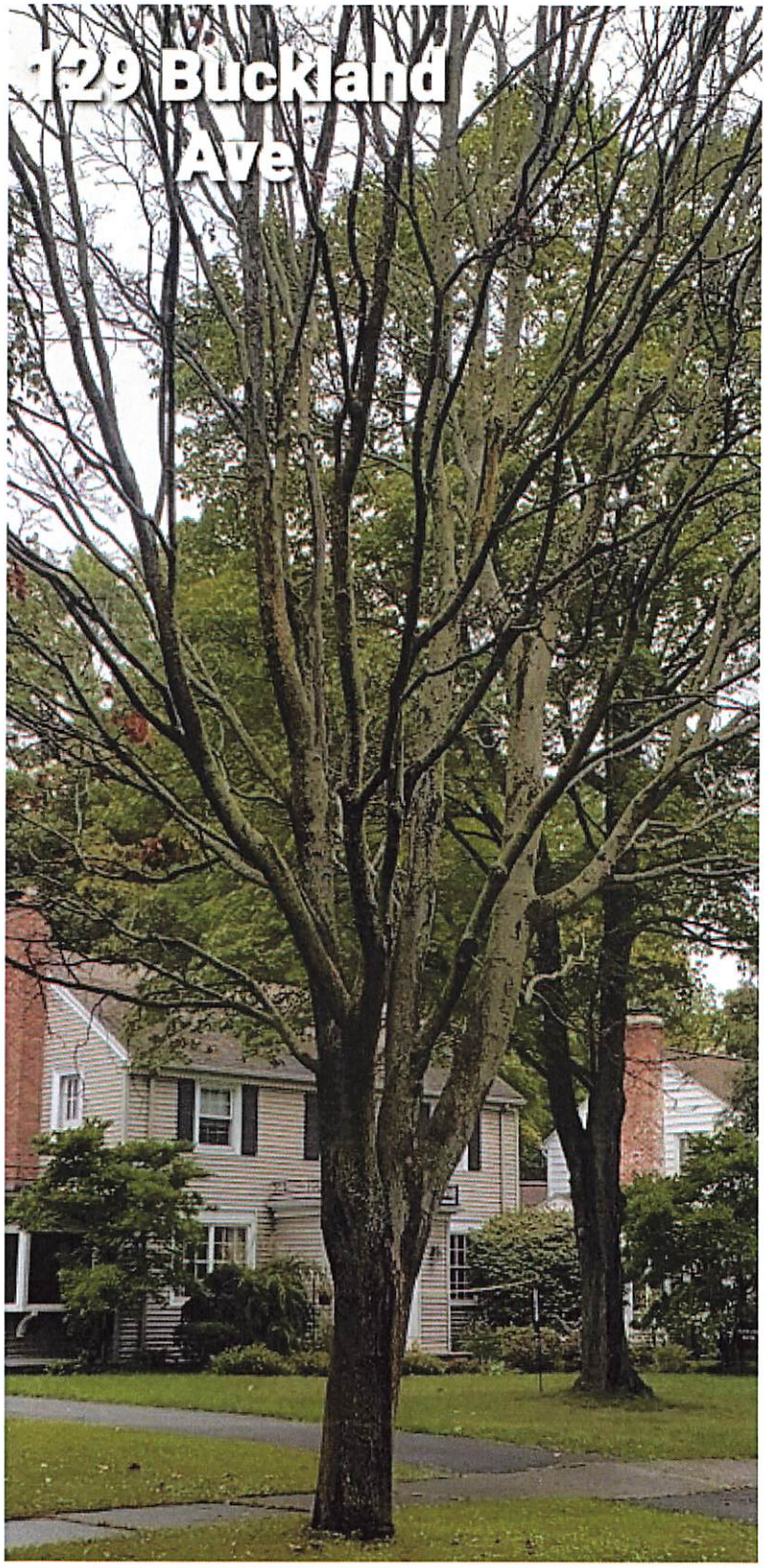
Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

Notification: ☐ owner ☐ manager ☒ governing agency **Date:** 9.22.21

COMMENTS


129 Buckland
Ave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A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas

TREE HAZARD EVALUATION FORM 2nd Edition

Site/Address: 59 Seminole Way

Map/Location: _____

Owner: public _____ private _____ unknown _____ other _____

Date: _____ Inspector: _____

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____

Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed

_____ Needs further inspection

_____ Dead tree

TREE CHARACTERISTICS

Tree #: 1 Species: _____

DBH: _____ # of trunks: 1 Height: 25 Spread: 15

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☐ co-dominant ☒ intermediate ☐ suppressed

Live crown ratio: 10 % Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☐ none ☐ multiple pruning events Approx. dates: _____

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ protected by gov. agency

TREE HEALTH

Foliage color: ☐ normal ☐ chlorotic ☒ necrotic Epicormics? Y N

Foliage density: ☐ normal ☒ sparse Leaf size: ☐ normal ☒ small

Annual shoot growth: ☐ excellent ☐ average ☒ poor Twig Dieback? (Y) N

Wound wood development: ☐ excellent ☐ average ☒ poor ☐ none

Vigor class: ☐ excellent ☐ average ☒ fair ☐ poor

Major pests/diseases: _____

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☒ curb/pavement ☐ guards ☐ other _____

SITE CONDITIONS

Site Character: ☒ residence ☐ commercial ☐ industrial ☐ park ☐ open space ☐ natural ☐ woodland/forest

Landscape type: ☒ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☐ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wettled

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved: 0% (10-25%) 25-50% 50-75% 75-100% Pavement lifted? Y (N)

% dripline w/ fill soil: 0% 10-25% 25-50% (50-75%) 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail ☐ clay ☐ expansive ☐ slope ____° aspect: _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Exposure to wind: ☒ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms ☐ never ☐ seldom ☒ regularly

TARGET

Use Under Tree: ☐ building ☒ parking ☒ traffic ☒ pedestrian ☒ recreation ☐ landscape ☐ hardscape ☐ small features ☐ utility lines

Can target be moved? Y (N) Can use be restricted? Y (N)

Occupancy: ☐ occasional use ☐ intermittent use ☐ frequent use ☒ constant use

TREE DEFECTS

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk/bracket present:** Y (N) **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☑ low **Undermined:** ☐ severe ☐ moderate ☒ low

Root pruned: 4-5 ft distance from trunk **Root area affected:** _____% **Buttress wounded:** Y (N) **When:** _____

Restricted root area: ☐ severe ☑ moderate ☐ low **Potential for root failure:** ☐ severe ☒ moderate ☐ low

LEAN: _____ deg. from vertical ☒ natural ☐ unnatural ☐ self-corrected **Soil heaving:** Y (N)

Decay in plane of lean: Y (N) **Roots broken** Y (N) **Soil cracking:** Y (N)

Compounding factors: _____ **Lean severity:** ☐ severe ☐ moderate ☐ low

CROWN DEFECTS: Indicate presence of individual defects and rate their severity (s = severe, m = moderate, l = low)

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper			X	X
Bow, sweep				
Codominants/forks		X	X	
Multiple attachments			X	X
Included bark		X		
Excessive end weight				
Cracks/splits		X		
Hangers				
Girdling				
Wounds/seam		X	X	
Decay				
Cavity				
Conks/mushrooms/bracket				
Bleeding/sap flow				
Loose/cracked bark				
Nesting hole/bee hive				
Deadwood/stubs		X	X	X
Borers/termites/ants				
Cankers/galls/burls		X	X	
Previous failure				

HAZARD RATING

Tree part most likely to fail: Trunk

Inspection period: _____ annual _____ biannual _____ other _____

Failure Potential + Size of Part + Target Rating = Hazard Rating

2 + 4 + 4 = 12

Failure potential: 1 - low; 2 - medium; 3 - high; 4 - severe
Size of part: 1 - <6" (15 cm); 2 - 6-18" (15-45 cm); 3 - 18-30" (45-75 cm); 4 - >30" (75 cm)
Target rating: 1 - occasional use; 2 intermittent use; 3 - frequent use; 4 - constant use

HAZARD ABATEMENT

Prune: ☒ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** (Y) N **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

Notification: ☐ owner ☐ manager ☑ governing agency **Date:** 7-16-21

COMMENTS

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas

TREE HAZARD EVALUATION FORM 2nd Edition

Site/Address: 280 Pelham Rd.

Map/Location:

Owner: public ____ private ____ unknown ____ other ____

Date: 9.22.21 Inspector: Zachariah A. Potter Jr.

Date of last inspection:

HAZARD RATING:

3 (Failure Potential) + 4 (Size of part) + 4 (Target Rating) = 11 (Hazard Rating)

X Immediate action needed

____ Needs further inspection

X Dead tree

TREE CHARACTERISTICS

Tree #: 2 Species: Tulip Tree

DBH: ~~9"~~ 28" # of trunks: 1 Height: 50+ Spread: 20-30

Form: ☐ generally symmetric ☐ minor asymmetry ☒ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☐ co-dominant ☒ intermediate ☐ suppressed

Live crown ratio: 80 % Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ flush cuts ☐ cabled/braced ☐ none ☒ multiple pruning events Approx. dates:

Special value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ protected by gov. agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic Epicormics? Y N

Foliage density: ☐ normal ☒ sparse Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☒ average ☐ poor Twig Dieback? (Y) N

Woundwood development: ☐ excellent ☐ average ☒ poor ☐ none

Vigor class: ☐ excellent ☐ average ☒ fair ☐ poor

Major pests/diseases:

Growth obstructions:

☐ stakes ☐ wire/ties ☐ signs ☐ cables

☒ curb/pavement ☐ guards

☐ other

SITE CONDITIONS

Site Character: ☒ residence ☐ commercial ☐ industrial ☐ park ☐ open space ☐ natural ☐ woodland/forest

Landscape type: ☒ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☐ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wettled

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved: 0% 10-25% 25-50% (50-75%) 75-100% Pavement lifted? Y (N)

% dripline w/ fill soil: 0% (10-25%) 25-50% 50-75% 75-100%

% dripline grade lowered: (0%) 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail ☐ clay ☐ expansive ☐ slope ____° aspect: ____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☒ underground utilities ☒ traffic ☐ adjacent veg. ☐ ____

Exposure to wind: ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☒ area prone to windthrow

Prevailing wind direction: ____ Occurrence of snow/ice storms ☐ never ☐ seldom ☒ regularly

TARGET

Use Under Tree: ☐ building ☒ parking ☒ traffic ☒ pedestrian ☒ recreation ☐ landscape ☐ hardscape ☐ small features ☒ utility lines

Can target be moved? Y (N) Can use be restricted? Y (N)

Occupancy: ☐ occasional use ☐ intermittent use ☐ frequent use ☒ constant use

TREE DEFECTS

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk/bracket present:** Y (N) **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ distance from trunk **Root area affected:** _____% **Buttress wounded:** Y (N) **When:** _____

Restricted root area: ☐ severe ☒ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☒ low

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving:** Y (N)

Decay in plane of lean: Y (N) **Roots broken** Y (N) **Soil cracking:** Y (N)

Compounding factors: _____ **Lean severity:** ☐ severe ☐ moderate ☐ low

CROWN DEFECTS: Indicate presence of individual defects and rate their severity (s = severe, m = moderate, l = low)

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Codominants/forks				
Multiple attachments				
Included bark		X		
Excessive end weight				
Cracks/splits		X	X	X
Hangers				
Girdling				
Wounds/seam		X		
Decay		X	X	X
Cavity		X		
Conks/mushrooms/bracket				
Bleeding/sap flow		X		
Loose/cracked bark		X	X	X
Nesting hole/bee hive				
Deadwood/stubs			X	X
Borers/termites/ants		X	X	
Cankers/galls/burls		X		
Previous failure			X	X

HAZARD RATING

Tree part most likely to fail: Trunk

Inspection period: _____ annual _____ biannual _____ other _____

Failure Potential + Size of Part + Target Rating = Hazard Rating

3 + 4 + 4 = 11

Failure potential: 1 - low; 2 - medium; 3 - high; 4 - severe
Size of part: 1 - <6" (15 cm); 2 - 6-18" (15-45 cm); 3 - 18-30" (45-75 cm); 4 - >30" (75 cm)
Target rating: 1 - occasional use; 2 intermittent use; 3 - frequent use; 4 - constant use

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** (Y) N **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

Notification: ☐ owner ☐ manager ☒ governing agency **Date:** 9.22.21

COMMENTS

Tree looks fine from street, House side is Dead. If failure happens it will fall towards House.


280 Pelham rd


280 Pelham rd


280 Pelham rd

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas

TREE HAZARD EVALUATION FORM 2nd Edition

Site/Address: 105 Sunset

Map/Location:

Owner: public ____ private X unknown ____ other ____

Date: 10-20-21 Inspector: Zachariah E. Potter Jr.

Date of last inspection:

HAZARD RATING:

3 + 4 + 4 = 11

Failure Potential + Size of part + Target Rating = Hazard Rating

X Immediate action needed

____ Needs further inspection

____ Dead tree

TREE CHARACTERISTICS

Tree #: ____ Species: Locust Tree

DBH: 39" # of trunks: 3 Height: 60 Spread: 50

Form: ☐ generally symmetric ☐ minor asymmetry ☒ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 30-40 % Age class: ☐ young ☐ semi-mature ☐ mature ☒ over-mature/senescent

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☒ crown reduced ☒ flush cuts ☒ cabled/braced ☐ none ☒ multiple pruning events Approx. dates: ____

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ protected by gov. agency

TREE HEALTH

Foliage color: ☒ normal ☐ chlorotic ☐ necrotic Epicormics? Y (N)

Foliage density: ☐ normal ☒ sparse Leaf size: ☒ normal ☐ small

Annual shoot growth: ☐ excellent ☐ average ☐ poor Twig Dieback? (Y) N

Woundwood development: ☐ excellent ☐ average ☒ poor ☐ none

Vigor class: ☐ excellent ☐ average ☐ fair ☐ poor

Major pests/diseases: ____

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☐ curb/pavement ☐ guards ☐ other ____

SITE CONDITIONS

Site Character: ☒ residence ☐ commercial ☐ industrial ☐ park ☐ open space ☐ natural ☐ woodland\forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☒ lawn ☐ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wetted

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved: 0% (10-25%) 25-50% 50-75% 75-100% Pavement lifted? Y (N)

% dripline w/ fill soil: 0% 10-25% 25-50% (50-75%) 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail ☐ clay ☐ expansive ☐ slope ____° aspect: ____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ ____

Exposure to wind: ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: ____ Occurrence of snow/ice storms ☐ never ☐ seldom ☒ regularly

TARGET

Use Under Tree: ☐ building ☒ parking ☒ traffic ☒ pedestrian ☒ recreation ☐ landscape ☐ hardscape ☐ small features ☐ utility lines

Can target be moved? Y (N) Can use be restricted? Y (N)

Occupancy: ☐ occasional use ☐ intermittent use ☐ frequent use ☒ constant use

TREE DEFECTS

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk/bracket present:** Y (N) **ID:** _____

Exposed roots: ☐ severe ☒ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ distance from trunk **Root area affected:** _____% **Buttress wounded:** Y (N) **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving:** Y N

Decay in plane of lean: Y N **Roots broken** Y (N) **Soil cracking:** Y (N)

Compounding factors: _____ **Lean severity:** ☐ severe ☐ moderate ☐ low

CROWN DEFECTS: Indicate presence of individual defects and rate their severity (s = severe, m = moderate, l = low)

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper		X	X	X
Bow, sweep			X	
Codominants/forks		X	X	
Multiple attachments				
Included bark		X	X	X
Excessive end weight			X	X
Cracks/splits		X	X	
Hangers				X
Girdling				
Wounds/seam		X	X	
Decay		X	X	X
Cavity		X	X	
Conks/mushrooms/bracket				
Bleeding/sap flow		X	X	
Lobse/cracked bark		X	X	
Nesting hole/bee hive		X	X	
Deadwood/stubs			X	X
Borers/termites/ants		X	X	
Cankers/galls/burls				
Previous failure			X	X

HAZARD RATING

Tree part most likely to fail: Trunk - Scaffolds

Inspection period: _____ annual _____ biannual _____ other _____

Failure Potential + Size of Part + Target Rating = Hazard Rating

3 + 4 + 4 = 11

Failure potential: 1 - low; 2 - medium; 3 - high; 4 - severe

Size of part: 1 - <6" (15 cm); 2 - 6-18" (15-45 cm); 3 - 18-30" (45-75 cm); 4 - >30" (75 cm)

Target rating: 1 - occasional use; 2 intermittent use; 3 - frequent use; 4 - constant use

HAZARD ABATEMENT

Prune: ☒ remove defective part ☒ reduce end weight ☒ crown clean ☒ thin ☒ raise canopy ☒ crown reduce ☒ restructure ☒ shape

Cable/Brace: yes. **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☒ monitor

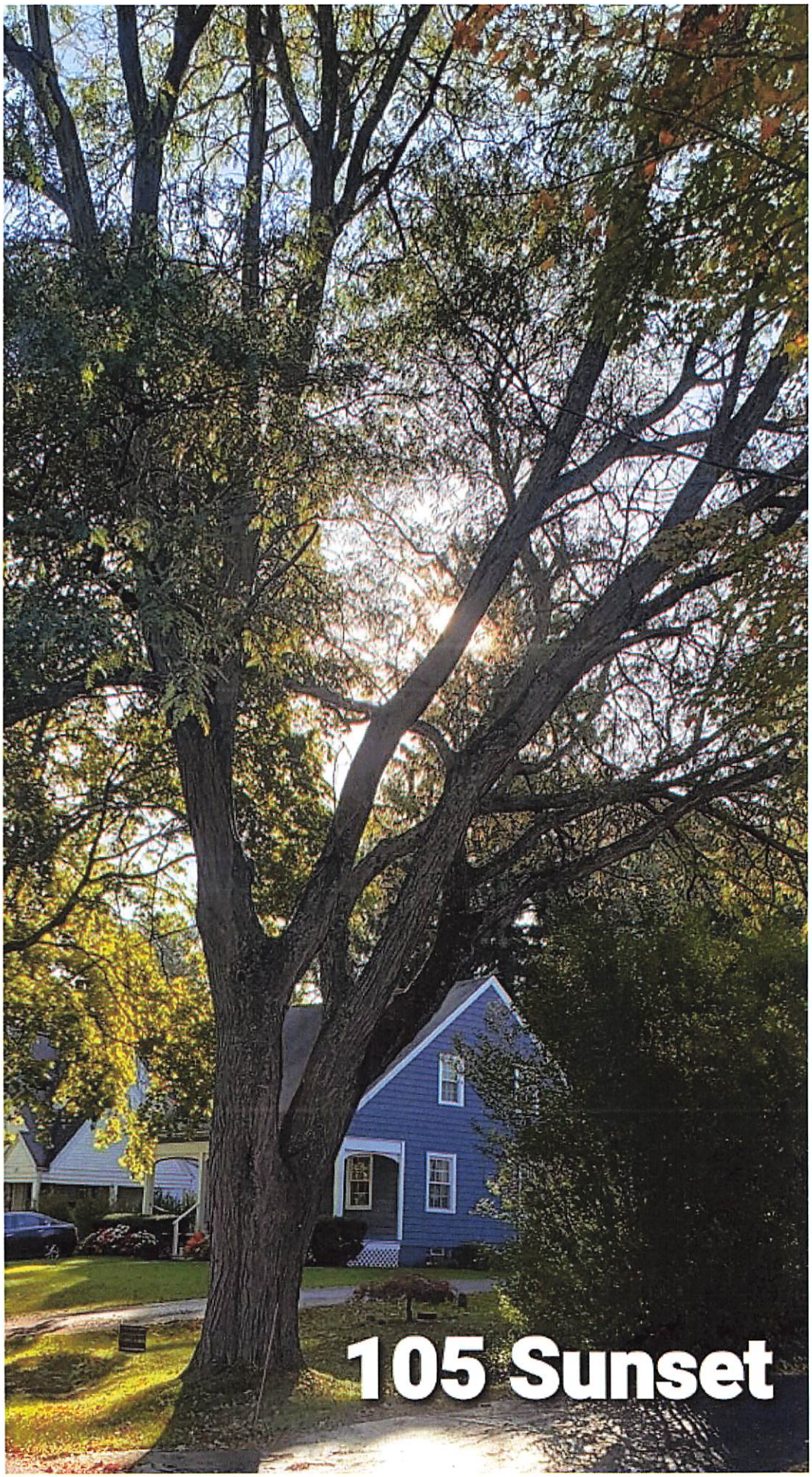
Remove tree: Y (N) **Replace?** Y (N) **Move target:** Y N **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

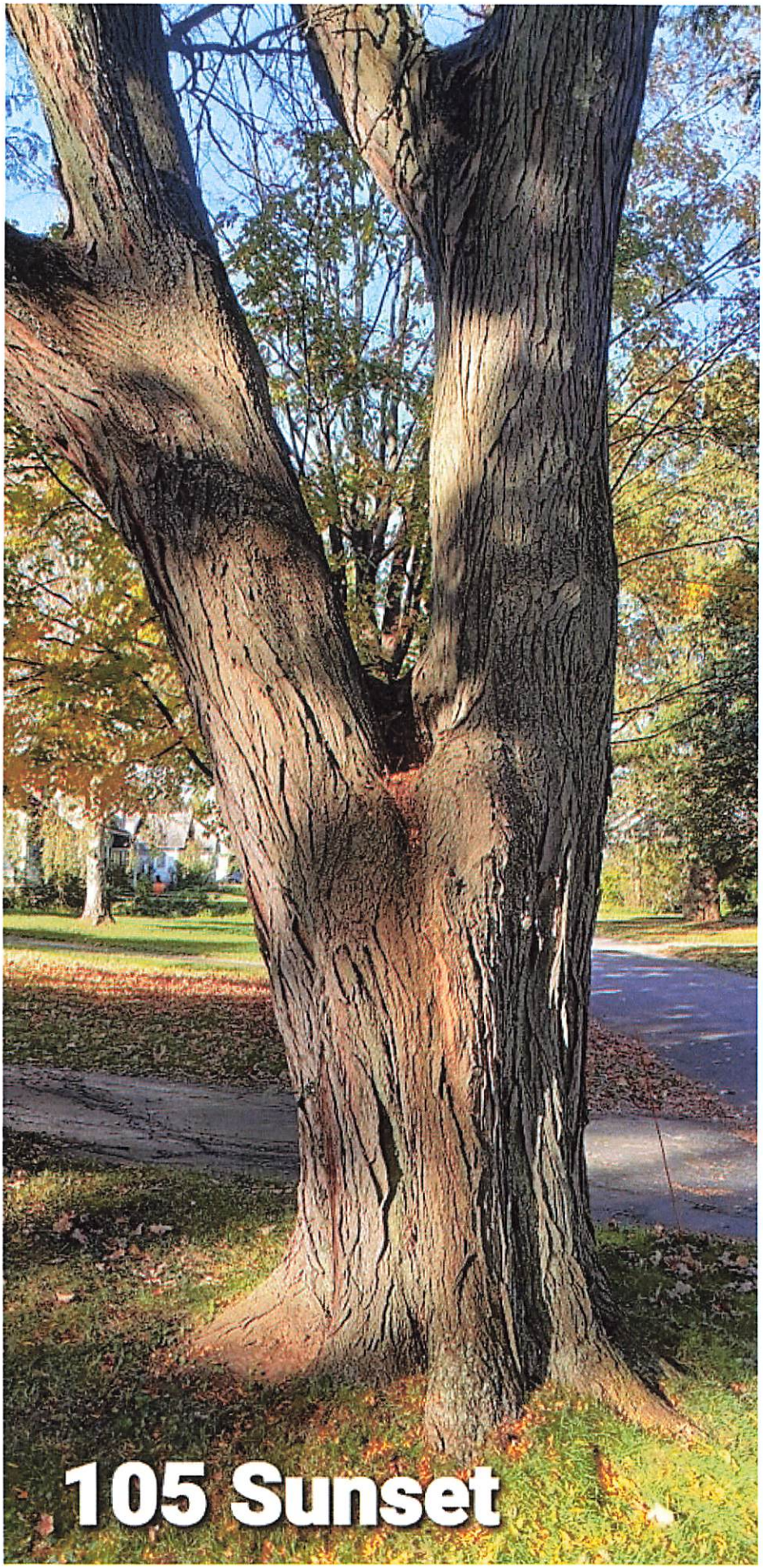
Notification: ☐ owner ☐ manager ☒ governing agency **Date:** 10-20-21 ZP

COMMENTS

Remove old cable, reduce end wright and re-cable if needed. Remove scaffolds near house.


105 Sunset


105 Sunset


105 Sunset

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas

TREE HAZARD EVALUATION FORM 2nd Edition

Site/Address: 39 Sunset

Map/Location: _____

Owner: public X private _____ unknown _____ other _____

Date: 9/16/21 Inspector: Zachariah A. Potter Jr.

Date of last inspection: _____

HAZARD RATING:

4 (Failure Potential) + 4 (Size of part) + 4 (Target Rating) = 12 (Hazard Rating)

X Immediate action needed

_____ Needs further inspection

X Dead tree

TREE CHARACTERISTICS

Tree #: 1 Species: Norway Maple

DBH: 12"± # of trunks: 4 Height: 80'± Spread: 60

Form: ☐ generally symmetric ☐ minor asymmetry ☒ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 25 % Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☐ none ☐ multiple pruning events Approx. dates: _____

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ protected by gov. agency

TREE HEALTH

Foliage color: ☐ normal ☒ chlorotic ☐ necrotic Epicormics? (Y) N

Foliage density: ☐ normal ☒ sparse Leaf size: ☐ normal ☒ small

Annual shoot growth: ☐ excellent ☐ average ☒ poor Twig Dieback? (Y) N

Woundwood development: ☐ excellent ☐ average ☒ poor ☐ none

Vigor class: ☐ excellent ☐ average ☐ fair ☒ poor

Major pests/diseases: _____

Growth obstructions: ☐ stakes ☐ wire/ties ☐ signs ☐ cables ☒ curb/pavement ☐ guards ☐ other _____

SITE CONDITIONS

Site Character: ☒ residence ☐ commercial ☐ industrial ☐ park ☐ open space ☐ natural ☐ woodland/forest

Landscape type: ☒ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☐ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wettled

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved: 0% 10-25% (25-50%) 50-75% 75-100% Pavement lifted? Y (N)

% dripline w/ fill soil: 0% 10-25% 25-50% (50-75%) 75-100%

% dripline grade lowered: (0%) 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail ☐ clay ☐ expansive ☐ slope ____° aspect: _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☒ traffic ☒ adjacent veg. ☐ _____

Exposure to wind: ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms ☐ never ☐ seldom ☒ regularly

TARGET

Use Under Tree: ☐ building ☒ parking ☒ traffic ☒ pedestrian ☒ recreation ☐ landscape ☐ hardscape ☐ small features ☐ utility lines

Can target be moved? Y (N) Can use be restricted? Y (N)

Occupancy: ☐ occasional use ☐ intermittent use ☐ frequent use ☒ constant use

TREE DEFECTS

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk/bracket present:** Y N **ID:** _____

Exposed roots: ☐ severe ☒ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ distance from trunk **Root area affected:** _____% **Buttress wounded:** (Y) N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ deg. from vertical ☐ natural ☒ unnatural ☐ self-corrected **Soil heaving:** (Y) N

Decay in plane of lean: (Y) N **Roots broken** Y N **Soil cracking:** Y N

Compounding factors: Decay, Deadwood, Splits, weeping holes **Lean severity:** ☐ severe ☒ moderate ☐ low

CROWN DEFECTS: Indicate presence of individual defects and rate their severity (s = severe, m = moderate, l = low)

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper		X		
Bow, sweep			X	
Codominants/forks		X	X	
Multiple attachments			X	X
Included bark			X	X
Excessive end weight			X	X
Cracks/splits		X	X	X
Hangers				X
Girdling	X			
Wounds/seam		X	X	X
Decay		X	X	X
Cavity		X	X	X
Conks/mushrooms/bracket				
Bleeding/sap flow		X	X	X
Loose/cracked bark			X	X
Nesting hole/bee hive		X	X	X
Deadwood/stubs			X	X
Borers/termites/ants				
Cankers/galls/burls		X	X	X
Previous failure		X	X	X

HAZARD RATING

Tree part most likely to fail: _____

Inspection period: _____ annual _____ biannual _____ other _____

Failure Potential + Size of Part + Target Rating = Hazard Rating

4 + 4 + 4 = 12

Failure potential: 1 - low; 2 - medium; 3 - high; 4 - severe

Size of part: 1 - <6" (15 cm); 2 - 6-18" (15-45 cm); 3 - 18-30" (45-75 cm); 4 - >30" (75 cm)

Target rating: 1 - occasional use; 2 intermittent use; 3 - frequent use; 4 - constant use

HAZARD ABATEMENT

Prune: ☒ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

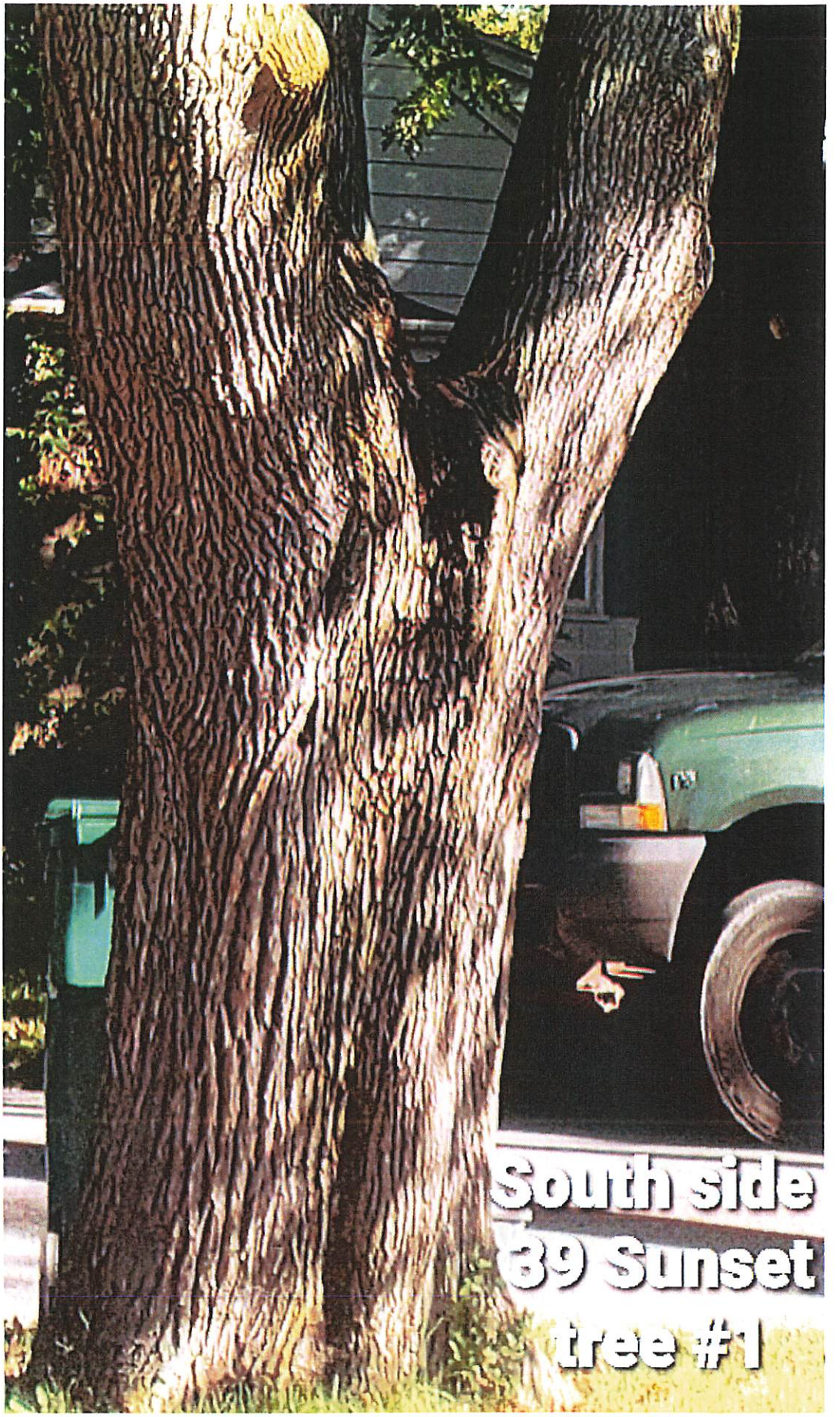
Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

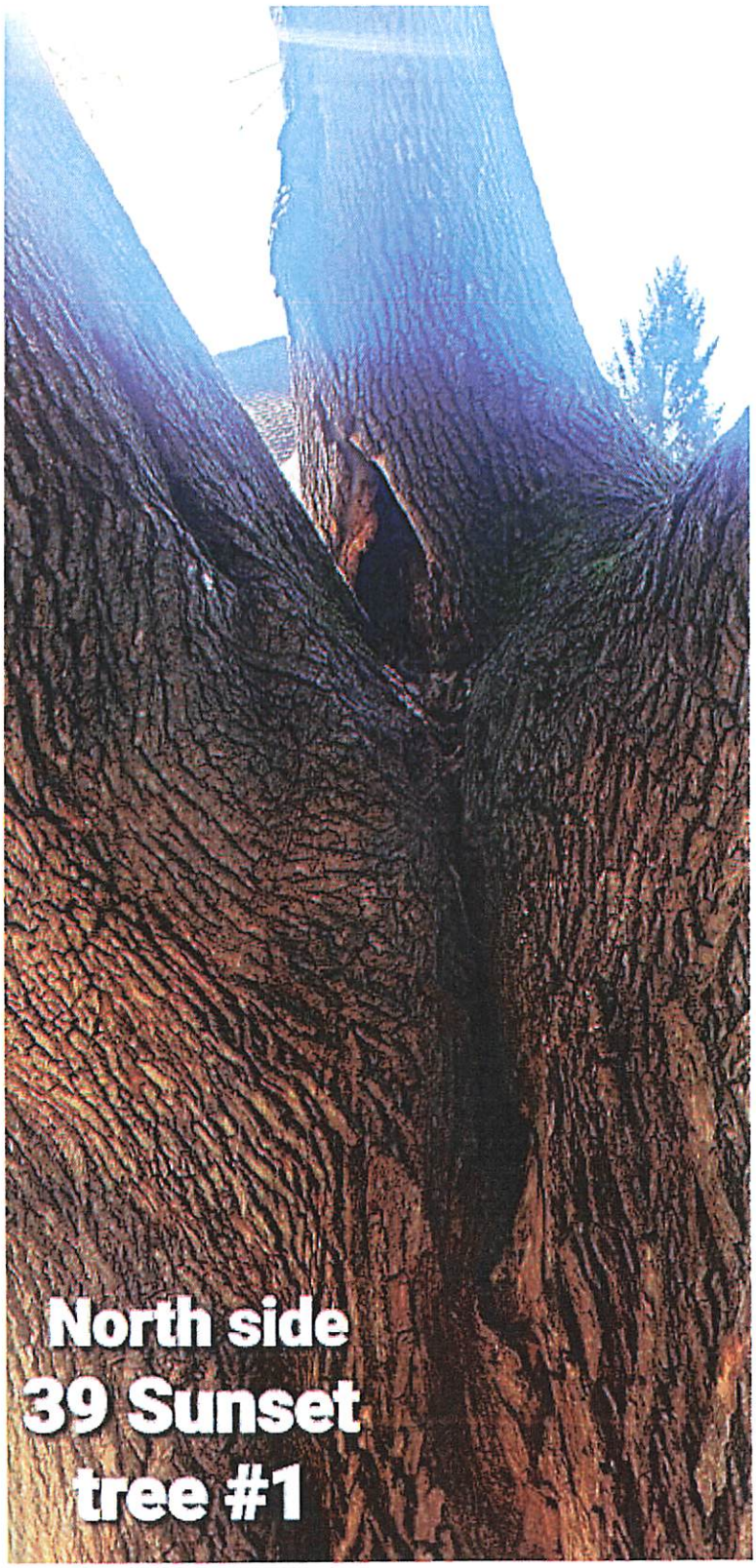
Remove tree: (Y) N **Replace?** (Y) N **Move target:** Y (N) **Other:** _____

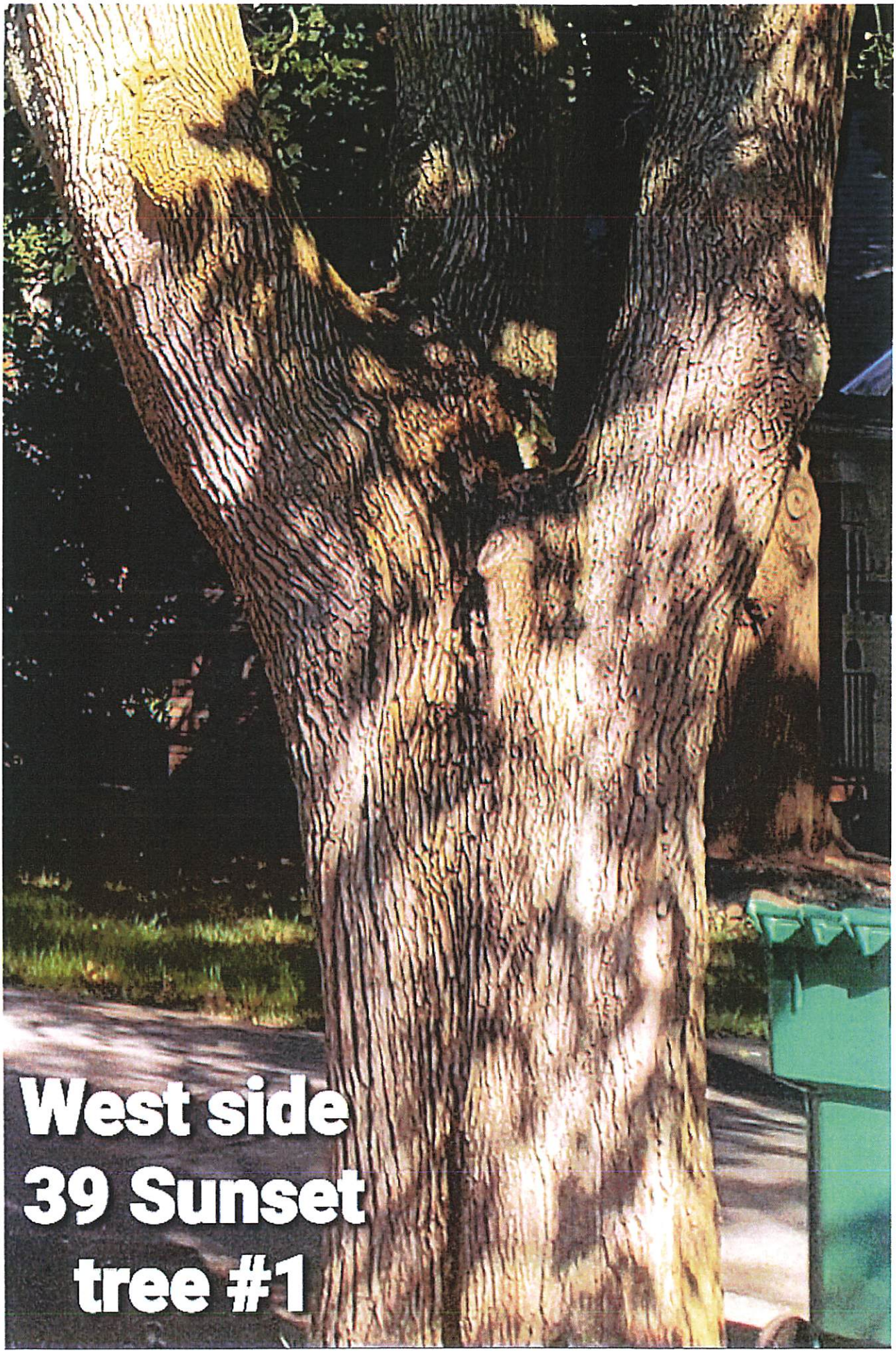
Effect on adjacent trees: ☐ none ☐ evaluate

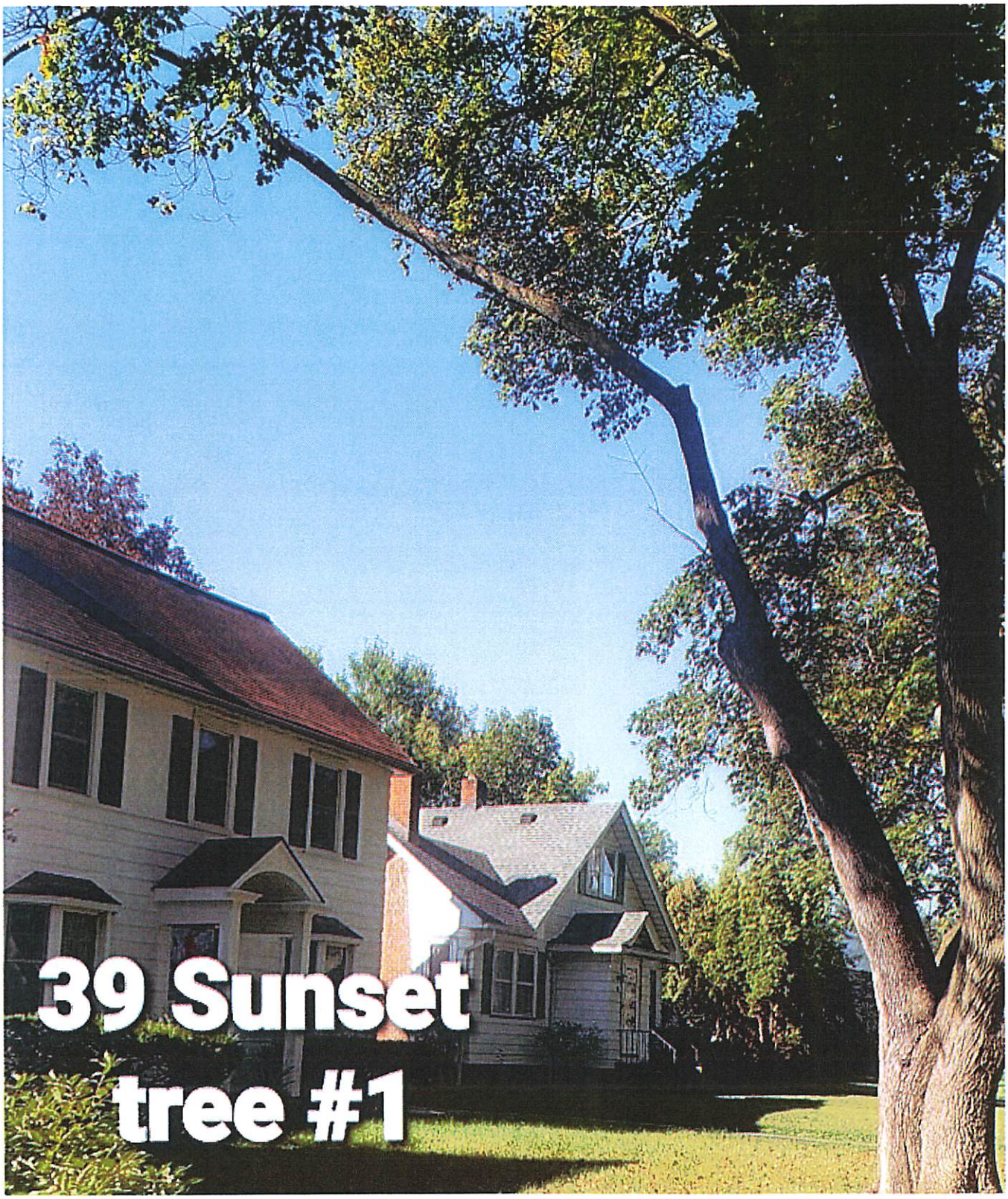
Notification: ☐ owner ☐ manager ☒ governing agency **Date:** _____

COMMENTS


South side
39 Sunset
tree #1


North side
39 Sunset
tree #1


West side
39 Sunset
tree #1


39 Sunset
tree #1

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas

TREE HAZARD EVALUATION FORM 2nd Edition

Site/Address: 39 Sunset

Map/Location: _____

Owner: public _____ private _____ unknown _____ other _____

Date: 9-16-21 Inspector: Zachariah A. Potter Jr.

Date of last inspection: _____

HAZARD RATING:

_____ + _____ + _____ = _____

Failure Potential + Size of part + Target Rating = Hazard Rating

_____ Immediate action needed

_____ Needs further inspection

_____ Dead tree

TREE CHARACTERISTICS

Tree #: 2 **Species:** Dead Tree

DBH: 9'8 **# of trunks:** 3 **Height:** 60 **Spread:** 40

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 0 % **Age class:** ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☐ flush cuts ☐ cabled/braced ☐ none ☒ multiple pruning events Approx. dates: _____

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☐ street tree ☐ screen ☐ shade ☐ indigenous ☐ protected by gov. agency

TREE HEALTH

Foliage color: ☐ normal ☐ chlorotic ☐ necrotic **Epicormics?** Y N

Foliage density: ☐ normal ☐ sparse **Leaf size:** ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☐ average ☐ poor **Twig Dieback?** Y N

Woundwood development: ☐ excellent ☐ average ☒ poor ☐ none

Vigor class: ☐ excellent ☐ average ☐ fair ☒ poor

Major pests/diseases: _____

Growth obstructions:

☐ stakes ☐ wire/ties ☐ signs ☐ cables

☐ curb/pavement ☐ guards

☐ other _____

SITE CONDITIONS

Site Character: ☒ residence ☐ commercial ☐ industrial ☐ park ☐ open space ☐ natural ☐ woodland\forest

Landscape type: ☒ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☐ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wettled

Recent site disturbance? Y (N) ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved: 0% (10-25%) 25-50% 50-75% 75-100% **Pavement lifted?** Y N

% dripline w/ fill soil: 0% 10-25% 25-50% (50-75%) 75-100%

% dripline grade lowered: (0%) 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail ☐ clay ☐ expansive ☐ slope ____° aspect: _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☐ traffic ☐ adjacent veg. ☐ _____

Exposure to wind: ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☐ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms ☐ never ☐ seldom ☒ regularly

TARGET

Use Under Tree: ☐ building ☒ parking ☒ traffic ☒ pedestrian ☒ recreation ☐ landscape ☐ hardscape ☐ small features ☐ utility lines

Can target be moved? Y N **Can use be restricted?** Y N

Occupancy: ☐ occasional use ☐ intermittent use ☐ frequent use ☐ constant use

TREE DEFECTS

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk/bracket present:** Y (N) **ID:** _____

Exposed roots: ☐ severe ☐ moderate ☒ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ distance from trunk **Root area affected:** _____% **Buttress wounded:** (Y) N **When:** _____

Restricted root area: ☐ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☐ low

LEAN: _____ deg. from vertical ☒ natural ☐ unnatural ☐ self-corrected **Soil heaving:** Y (N)

Decay in plane of lean: (Y) N **Roots broken** Y (N) **Soil cracking:** Y (N)

Compounding factors: No leaves, decay at crotches, split trunk **Lean severity:** ☐ severe ☐ moderate ☐ low

CROWN DEFECTS: Indicate presence of individual defects and rate their severity (s = severe, m = moderate, l = low)

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Codominants/forks		X	X	
Multiple attachments			X	X
Included bark		X	X	
Excessive end weight				
Cracks/splits		X	X	
Hangers				
Girdling				
Wounds/seam		X	X	X
Decay		X	X	X
Cavity		X	X	
Conks/mushrooms/bracket				
Bleeding/sap flow		X	X	
Loose/cracked bark		X	X	X
Nesting hole/bee hive		X	X	X
Deadwood/stubs			X	X
Borers/termites/ants				
Cankers/galls/burls				
Previous failure			X	X

HAZARD RATING

Tree part most likely to fail: Trunk - scaffolds

Inspection period: _____ annual _____ biannual _____ other _____

Failure Potential + Size of Part + Target Rating = Hazard Rating

4 + 4 + 4 = 12

Failure potential: 1 - low; 2 - medium; 3 - high; 4 - severe

Size of part: 1 - <6" (15 cm); 2 - 6-18" (15-45 cm); 3 - 18-30" (45-75 cm); 4 - >30" (75 cm)

Target rating: 1 - occasional use; 2 intermittent use; 3 - frequent use; 4 - constant use

HAZARD ABATEMENT

Prune: ☒ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

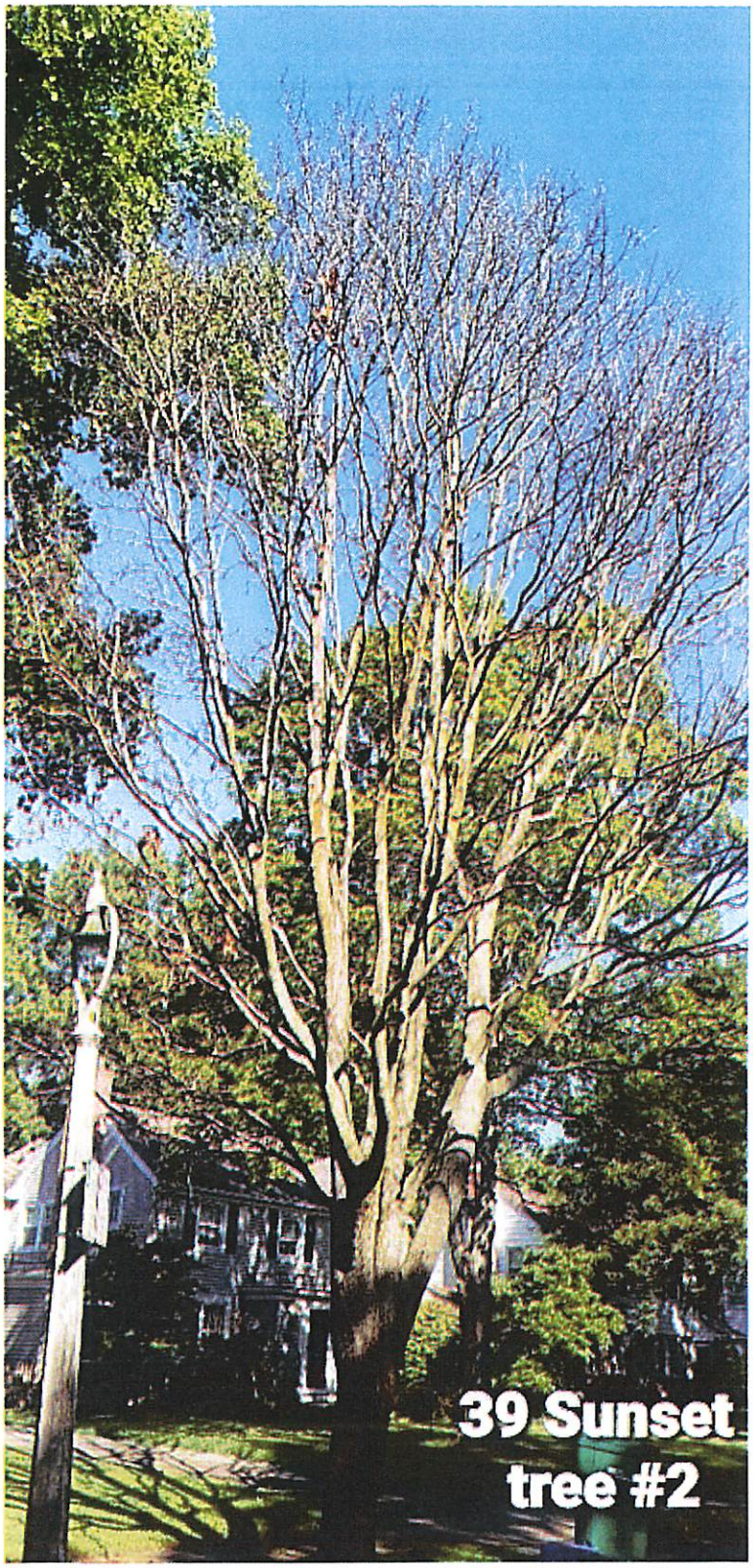
Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** (Y) N **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

Notification: ☐ owner ☐ manager ☒ governing agency **Date:** 9.16.21

COMMENTS


39 Sunset
tree #2

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas

TREE HAZARD EVALUATION FORM 2nd Edition

Site/Address: 898 Clover St

Map/Location: _____

Owner: public X private _____ unknown _____ other _____

Date: 10.19.21 Inspector: Zachariah A. Baker Jr.

Date of last inspection: _____

HAZARD RATING:

4 (Failure Potential) + 4 (Size of part) + 4 (Target Rating) = 12 (Hazard Rating)

X Immediate action needed

_____ Needs further inspection

X Dead tree

TREE CHARACTERISTICS

Tree #: 1 Species: Silver Maple

DBH: 10'3 # of trunks: 1 Height: 50' Spread: 40'

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 0 % Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ flush cuts ☐ cabled/braced ☐ none ☐ multiple pruning events Approx. dates: _____

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ protected by gov. agency

TREE HEALTH

Foliage color: ☐ normal ☐ chlorotic ☐ necrotic Epicormics? Y N

Foliage density: ☐ normal ☐ sparse Leaf size: ☐ normal ☐ small

Annual shoot growth: ☐ excellent ☐ average ☐ poor Twig Dieback? Y N

Woundwood development: ☐ excellent ☐ average ☐ poor ☐ none

Vigor class: ☐ excellent ☐ average ☐ fair ☐ poor

Major pests/diseases: _____

Growth obstructions:

☐ stakes ☐ wire/ties ☐ signs ☐ cables

☒ curb/pavement ☐ guards

☐ other _____

SITE CONDITIONS

Site Character: ☒ residence ☐ commercial ☐ industrial ☐ park ☐ open space ☐ natural ☐ woodland/forest

Landscape type: ☐ parkway ☐ raised bed ☐ container ☐ mound ☐ lawn ☐ shrub border ☐ wind break

Irrigation: ☒ none ☐ adequate ☐ inadequate ☐ excessive ☐ trunk wettled

Recent site disturbance? Y N ☐ construction ☐ soil disturbance ☐ grade change ☐ line clearing ☐ site clearing

% dripline paved: 0% (10-25%) 25-50% 50-75% 75-100% Pavement lifted? Y (N)

% dripline w/ fill soil: 0% 10-25% 25-50% (50-75%) 75-100%

% dripline grade lowered: 0% 10-25% 25-50% 50-75% 75-100%

Soil problems: ☐ drainage ☐ shallow ☐ compacted ☐ droughty ☐ saline ☐ alkaline ☐ acidic ☐ small volume ☐ disease center ☐ history of fail ☐ clay ☐ expansive ☐ slope ____° aspect: _____

Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☒ traffic ☐ adjacent veg. ☐ _____

Exposure to wind: ☐ single tree ☐ below canopy ☐ above canopy ☐ recently exposed ☐ windward, canopy edge ☒ area prone to windthrow

Prevailing wind direction: _____ Occurrence of snow/ice storms ☐ never ☐ seldom ☒ regularly

TARGET

Use Under Tree: ☐ building ☒ parking ☒ traffic ☒ pedestrian ☒ recreation ☐ landscape ☐ hardscape ☐ small features ☐ utility lines

Can target be moved? Y (N) Can use be restricted? Y (N)

Occupancy: ☐ occasional use ☐ intermittent use ☐ frequent use ☒ constant use

TREE DEFECTS

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk/bracket present:** Y (N) **ID:** _____

Exposed roots: ☐ severe ☒ moderate ☐ low **Undermined:** ☐ severe ☐ moderate ☐ low

Root pruned: _____ distance from trunk **Root area affected:** _____% **Buttress wounded:** Y N **When:** _____

Restricted root area: ☐ severe ☒ moderate ☐ low **Potential for root failure:** ☐ severe ☒ moderate ☐ low

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving:** (Y) N

Decay in plane of lean: Y N **Roots broken** Y N **Soil cracking:** Y N

Compounding factors: _____ **Lean severity:** ☐ severe ☐ moderate ☐ low

CROWN DEFECTS: Indicate presence of individual defects and rate their severity (s = severe, m = moderate, l = low)

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep				
Codominants/forks		X	X	
Multiple attachments				
Included bark	X	X	X	X
Excessive end weight				
Cracks/splits		X	X	
Hangers				
Girdling	X			
Wounds/seam				
Decay		X	X	
Cavity				
Conks/mushrooms/bracket				
Bleeding/sap flow		X		
Loose/cracked bark		X	X	
Nesting hole/bee hive		X	X	
Deadwood/stubs			X	
Borers/termites/ants		X	X	
Cankers/galls/burls				
Previous failure			X	X

HAZARD RATING

Tree part most likely to fail: Trunk - Scaffolds.

Inspection period: _____ annual _____ biannual _____ other _____

Failure Potential + Size of Part + Target Rating = Hazard Rating

4 + 4 + 4 = 12

Failure potential: 1 - low; 2 - medium; 3 - high; 4 - severe

Size of part: 1 - <5" (15 cm); 2 - 6-18" (15-45 cm); 3 - 18-30" (45-75 cm); 4 - >30" (75 cm)

Target rating: 1 - occasional use; 2 intermittent use; 3 - frequent use; 4 - constant use

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

Notification: ☐ owner ☐ manager ☒ governing agency **Date:** 10.19.21

COMMENTS

Tree is completely dead. Remove ASAP


898 Clover st
tree #1


898 Clover st
tree #1

A Photographic Guide to the Evaluation of Hazard Trees in Urban Areas

TREE HAZARD EVALUATION FORM 2nd Edition

Site/Address: 898 Clover St.

Map/Location: _____

Owner: public _____ private _____ unknown _____ other _____

Date: 10.19.21 Inspector: Zachariah A. Potter Jr.

Date of last inspection: _____

HAZARD RATING:

4 (Failure Potential) + 4 (Size of part) + 4 (Target Rating) = 12 (Hazard Rating)

X Immediate action needed

_____ Needs further inspection

X Dead tree

TREE CHARACTERISTICS

Tree #: 2 Species: Silver Maple

DBH: 9+10+38" # of trunks: 1 Height: 60 Spread: 50

Form: ☒ generally symmetric ☐ minor asymmetry ☐ major asymmetry ☐ stump sprout ☐ stag-headed

Crown class: ☐ dominant ☒ co-dominant ☐ intermediate ☐ suppressed

Live crown ratio: 70 % Age class: ☐ young ☐ semi-mature ☒ mature ☐ over-mature/senescent

Pruning history: ☐ crown cleaned ☐ excessively thinned ☐ topped ☐ crown raised ☐ pollarded ☐ crown reduced ☒ flush cuts ☐ cabled/braced ☐ none ☒ multiple pruning events Approx. dates: _____

Special Value: ☐ specimen ☐ heritage/historic ☐ wildlife ☐ unusual ☒ street tree ☐ screen ☐ shade ☐ indigenous ☐ protected by gov. agency

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Foliage color: ☒ normal ☐ chlorotic ☐ necrotic Epicormics? Y N

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Annual shoot growth: ☐ excellent ☐ average ☐ poor Twig Dieback? (Y) N

Woundwood development: ☐ excellent ☐ average ☒ poor ☐ none

Vigor class: ☐ excellent ☐ average ☐ fair ☒ poor

Major pests/diseases: _____

Growth obstructions:

☐ stakes ☐ wire/ties ☐ signs ☐ cables

☒ curb/pavement ☐ guards

☐ other _____

SITE CONDITIONS

Site Character: ☒ residence ☐ commercial ☐ industrial ☐ park ☐ open space ☐ natural ☐ woodland/forest

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Obstructions: ☐ lights ☐ signage ☐ line-of-sight ☐ view ☐ overhead lines ☐ underground utilities ☒ traffic ☐ adjacent veg. ☐ _____

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Prevailing wind direction: _____ Occurrence of snow/ice storms ☐ never ☐ seldom ☒ regularly

TARGET

Use Under Tree: ☐ building ☒ parking ☒ traffic ☒ pedestrian ☒ recreation ☐ landscape ☐ hardscape ☐ small features ☐ utility lines

Can target be moved? Y (N) Can use be restricted? Y (N)

Occupancy: ☐ occasional use ☐ intermittent use ☐ frequent use ☒ constant use

TREE DEFECTS

ROOT DEFECTS:

Suspect root rot: Y (N) **Mushroom/conk/bracket present:** Y (N) **ID:** _____

Exposed roots: ☒ severe ☐ moderate ☐ low **Undermined:** ☐ severe ☒ moderate ☐ low

Root pruned: _____ distance from trunk **Root area affected:** _____% **Buttress wounded:** (Y) N **When:** _____

Restricted root area: ☒ severe ☐ moderate ☐ low **Potential for root failure:** ☐ severe ☐ moderate ☒ low

LEAN: _____ deg. from vertical ☐ natural ☐ unnatural ☐ self-corrected **Soil heaving:** (Y) N

Decay in plane of lean: Y N **Roots broken** Y (N) **Soil cracking:** Y (N)

Compounding factors: _____ **Lean severity:** ☐ severe ☐ moderate ☐ low

CROWN DEFECTS: Indicate presence of individual defects and rate their severity (s = severe, m = moderate, l = low)

DEFECT	ROOT CROWN	TRUNK	SCAFFOLDS	BRANCHES
Poor taper				
Bow, sweep			X	
Codominants/forks			X	X
Multiple attachments			X	X
Included bark	X	X	X	X
Excessive end weight				
Cracks/splits	X	X	X	X
Hangers				
Girdling	X			
Wounds/seam	X	X		
Decay		X	X	
Cavity		X		
Conks/mushrooms/bracket				
Bleeding/sap flow		X	X	
Loose/cracked bark	X	X	X	X
Nesting hole/bee hive	X	X	X	X
Deadwood/stubs		X	X	X
Borers/termites/ants	X	X	X	
Cankers/galls/burls				
Previous failure	X	X	X	X

HAZARD RATING

Tree part most likely to fail: Trunk

Inspection period: _____ annual _____ biannual _____ other _____

Failure Potential + Size of Part + Target Rating = Hazard Rating

4 + 4 + 4 = 12

Failure potential: 1 - low; 2 - medium; 3 - high; 4 - severe
Size of part: 1 - <6" (15 cm); 2 - 6-18" (15-45 cm); 3 - 18-30" (45-75 cm); 4 - >30" (75 cm)
Target rating: 1 - occasional use; 2 intermittent use; 3 - frequent use; 4 - constant use

HAZARD ABATEMENT

Prune: ☐ remove defective part ☐ reduce end weight ☐ crown clean ☐ thin ☐ raise canopy ☐ crown reduce ☐ restructure ☐ shape

Cable/Brace: _____ **Inspect further:** ☐ root crown ☐ decay ☐ aerial ☐ monitor

Remove tree: (Y) N **Replace?** Y (N) **Move target:** Y (N) **Other:** _____

Effect on adjacent trees: ☒ none ☐ evaluate

Notification: ☐ owner ☐ manager ☑ governing agency **Date:** 10-19-21

COMMENTS

Trunk has severe wound cavity. Ant infestation in wound and roots.


898 Clover st
tree #2


898 Clover st
tree #2