



AGENDA
PARKS, RECREATION & NATURAL RESOURCES COMMITTEE
MEETING

February 6, 2025 - 6:00 PM
Lake Marion Conference Room

1. Call to Order
2. Approval of the Minutes
 - a. January 8, 2025 Meeting Minutes
3. Citizen Comments
4. Discussion Items
 - a. Spyglass Park Phase II Community Survey Results
5. Staff Report
6. Adjourn
7. Joint Planning Commission and Parks, Recreation & Natural Resources Committee Work Session
 - a. Tree Preservation Ordinance Amendment Discussion

CITY OF LAKEVILLE
PARKS, RECREATION & NATURAL RESOURCES COMMITTEE
MEETING MINUTES
January 8, 2025

Committee Chair Weberg called the meeting to order at 6:00 p.m. in the City Council Chambers.

Members Present: Holly Weberg, Daniel Volkosh, Erin Young, Steven Henneberry, Shahid Nadeem

Members Absent: Lindsay Haneman, Monica Joubert, Surya Ganesan (alternate)

Staff Present: Parks and Recreation Director Joe Masiarchin

1. Approval of November 6, 2024 minutes

A motion was made by Volkosh, seconded by Young to approve the November 6, 2024 minutes as written.

Ayes: unanimous

2. Citizen comments

Steve Huber, 16694 Hearthside Way: Mr. Huber inquired about the status of the project, if there were still opportunities for discussion and exploration of other locations for the new fire station. He expressed concerns over the loss of trees, land and green space; while the existing amenities could fit onto a smaller parcel, the reduced size was not ideal. Expressed the need for greater transparency on the project, budget and what other locations were considered. Though the park amenities would be updated with this project, many upgrades to the park have been completed over the last 3-5 years. Mr. Huber requested a list of comparable parks that are operational on a similarly sized parcel. Staff will follow up with Mr. Huber on this item and the upcoming public meetings on the project.

3. Cherryview Park Improvements and New Fire Station

In response to Mr. Huber, staff indicated that the project is still open for public comment and that there would be future opportunities for the community to provide input on the project. The Fire Department's budget allocation for land acquisition came in under the estimated cost of various locations in the area making the Cherryview Park location the most financially feasible option.

Staff provided an overview of the public open house that was hosted on January 7, 20-30 neighbors attended the meeting. Some of the feedback included concerns around the loss of green space, relocating the playground closer to the road and the noise/traffic that would be generated from the proposed fire station. Staff reiterated that the proposed project is in very early stages, the first step being to develop a concept that included all the existing amenities in addition to the new fire station. A site survey and tree delineation is yet to be completed, this will occur at a later date to provide more clarity around the site changes and improvements.

Committee Discussion:

What other parks are available to residents in the neighborhood? Cedar Highlands, Foxborough, Pinnacle Reserve, and Grand Prairie Parks are accessible to this neighborhood.

How was the budget for land acquisition determined? This would have been a collaborative process that could have included Administration, Finance and the Fire Department. General consensus was that the impact of the permanent loss of land was being overlooked, and this committee would like to review the determination on the other potential locations prior to making a recommendation to move forward with the project. There were also concerns about the reduced enjoyment and usability of the park. The committee inquired as to whether the fire station required the amount of space depicted and could smaller parcels be considered if not.

Are there opportunities to utilize the vacated fire stations for public facilities? This committee is aware of the facility constraints of the Heritage Center and posed the question of repurposing the existing fire stations. Staff indicated that they could potentially be repurposed or would be sold.

What are the benefits to the park as a result of this project? The proposal includes a new warming house with a modern restroom building, lighting improvements for the skating rink and ballfield, increased parking and an expanded basketball court. Again, the proposed concept was drafted to include the existing amenities, but these are subject to change based on community feedback. The cost of the park improvements is estimated at \$1 million.

Will the Park Dedication funds be repaid? Yes, in addition the park improvements, the funds for the Park Dedication will be replenished.

Would the fire station have its own parking? Yes, in addition to expanded parking at the park. The existing parking has not been enough to accommodate park users based on feedback that the Recreation Department has received from program participants.

What is the likelihood that park space could be repurposed in the future in a similar situation? This is a unique situation; the discussion began as a result of restructuring and growth of the fire department. The area that Cherryview Park is located in will still be the future location of a new fire station regardless of whether or not the park space is used.

Will the project be brought to this committee for a recommendation? Yes, if the project moves forward at Cherryview Park, this committee will review the plans at a future date. The item could also go to an upcoming City Council Work Session or public meeting.

4. Strategic Plan

Dates and times have been solidified, input will be tremendously helpful.

Weberg – Are we partnering with other committees? Just this committee and city staff will be attending. These are open to the public if they would like to attend and listen. Are there materials that will be sent prior to the sessions? Yes, a general document will be sent to committee members to review as we get closer to the date.

5. Staff Report

Online reservations for Lakeville residents opened on January 1. So far, 67 reservations have been made with \$25,000 in rental revenue. New this year, the John Hennen Pavilion will be reserved on a block schedule to improve efficiency.

Grand Prairie Park construction continues with wood framing at the field support building, structural steel installation at the main building and backfilling of the foundation walls at the Grandstand. The site contractor installed the flume pipe and filter screen for the irrigation system in the west pond. This will complete the site construction for the winter season, Friedges will return in the spring to continue site grading.

The Proxess software and lock systems continues to roll out for most indoor buildings excluding Steve Michaud Park. Over 50 warming house attendants and a few reservations have utilized the new system. The Arts Center and Fine Arts Building are scheduled to be moved to Proxess by the end of this week.

Staff has shifted to a two-brochure timeline, currently the summer-fall brochure is being type set. Online registration will open February 13, the brochure will be mailed to residents starting February 21. The cost savings will allow for additional marketing opportunities throughout the year.

Upcoming Recreation events include the Illumination Walk, Ritter Fest and the Youth Ice Fishing Contest.

Motion was made by Henneberry, seconded by Young to adjourn the January 8, 2025 meeting.

Ayes: unanimous

6. Adjourn

Meeting 7:06 p.m.



Memorandum

To: Parks, Recreation and Natural Resources Committee

From: Joe Masiarchin, Parks and Recreation Director

Date: January 31, 2025

Subject: Spyglass Park Phase II Community Survey Results

The expansion of Spyglass Park was identified in the 2024 CIP, the current park consists of a playground, shelter and green space on 4.2 acres. The second phase construction of the park is planned to occur with the development of the area north of the park. The expansion and improvement of the park could include amenities such as, the construction of bocce ball courts, athletic deck, half basketball court with pickleball striping, potential shelter and play area border improvements and trail circulation.

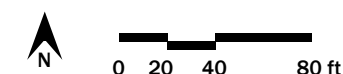
At their December 2 meeting, the Mayor and City Council approved a professional services agreement with SRF Consulting for this phase of the park construction. This would include developing a master plan, completing a topographic survey of the park site, prepare cost and final estimate of the chosen master plan concept, provide design development plan and other services. The master planning process is slated to be completed by late fall of this year with bid openings to be held in early 2025. Park construction would begin later that same year.

As part of the master planning process, staff mailed 230 invitations to neighbors of Spyglass Park to complete a short survey and provide their feedback on the proposed master plan. A link to the survey was also shared via NextDoor. The survey was open through January 19, staff will share the feedback received during the committee meeting.



Preliminary Master Plan

Spyglass Park - Phase II Improvements



Job No. 18046
January 2, 2025

Spyglass Park - Phase II Improvements Resident Survey Comments City of Lakeville January 21, 2025	
Response No.	Comments
1	A fence around any of it seems tacky and unnecessary, a waste of money. Use the money for more trees, perennial flower beds and native plants. The park also needs new benches and something permanent under the swings so it's not constantly kicked away.
2	Sharing a basketball court with pickleball is not the most ideal. I don't know how much 4 bocce ball courts would get used. I know for a fact the pickleball courts would get used a ton. As would the basketball court.
3	Bocce ball is an outdated game that no one plays. Plus there is bocce ball at Aronson park and cedar hills clubhouse area. I think we should have separate tennis/pickleball courts and an expanded basketball court where bocce ball is currently.
4	Not loving the chainlink fence idea. Our neighborhood HOA (cedar hills side) only allows the iron black fences and I think that would be much better. Not sure the 8-12' height is needed. Upgrading the existing sitting area and park would be great. It looks quite dated and I rarely see it being used as is. The path does not connect either yet going to the new neighborhood and paving should be updated for appeal.
5	Should put 1-2 pickleball court instead of lines on the basketball court. Move basketball to make room for pickleball. Add rink if doing the fencing If having open field put soccer nets up Add a fenced dog area. Move bocce ball or put something on top right corner, rearrange so there can be 2 pickleball courts Instead of the fence, put bushes/plants for divider from residents. Add walkway or steps to the water and have benches to watch the water
6	Separate basketball and pickle ball courts. No bocce ball.
7	I think a separate pickleball and basketball court would be more beneficial considering the popularity of those activities compared to bocce ball. If I wanted to go play a round of pickleball but my brother is already in that space playing basketball it could be disruptive.
8	I love all of it!!! We especially love the big multi purpose enclosure and pickle ball courts.
9	I would like to see more bike trails. We live behind spyglass park and there is nothing to bike to unless you cross Cedar to the other side.
10	Not sure that bocce ball would be used, more pickleball courts would be a hit!
11	I appreciate the addition of a bathroom area. Would appreciate ample trash and recycling bins throughout the park to ensure trash isn't blown onto property of homeowners. The chain link fences do not seem appealing to look at. As homeowners within the cedar hills neighborhood, our association doesn't even allow chain link fences on our property due to their tacky and un-appealing look. Some sort of ice-skating space would be appreciated for the long winters.
12	Do not put bocce ball courts. This neighborhood is predominantly younger family's and younger age kids especially the newer development of cedar hills. Bocce ball will never get used, waste of money and the space could be better used to add play equipment etc. I agree basketball court is a great idea! For the multi purpose field would recommend black chain link as Lennar requires us to have black fencing and silver chain link fence would stick out especially butting up to the houses on the back side of the park. Please add a dog poop station to throw dog poop and offers bags. City of Farmington has these dog pot stations through out their parks and trails. Going back to bocce ball court I would rather see a wild flower garden or pretty landscaping than those courts.

13	I think a full pickleball court, not shared with basketball, would be very beneficial. Many of us play pickleball.
14	Full pickleball court!
15	What are the sizes of the bocce courts going to be? Regulation is 86.92 ft long and 13.12 ft wide. Our bocce players would like the same size that was built for us at Aronson Park. Thank you!
16	Take out the Bocce pits and build a hockey/ice skating rink for the kids to enjoy during the winter months.
17	Love the Bocce ball area and soccer field. Lots of soccer players in neighborhood.
18	Why is there a chain link fence around the multipurpose green area? I guess that is nice to keep soccer balls from going into the pond. Will there be any soccer goals? Would be nice to extended the basketball court further south to add another pickleball court. Would be nice to add some outdoor exercise equipment in the picnic lawn area near the playground. Similar to https://www.movestrongfit.com/whomovesstrong/2018/10/8/outdoor-functional-fitness-gym-workout-at-kansas-city-park
19	•Upgraded Playground Equipment While I think the addition of the trails and courts are all great ideas, especially for older children, I am a little disappointed there aren't any plans to update the current playground equipment. This is a good playground for older children but there isn't a very good area for toddlers/preschoolers. Some of it is even dangerous for toddlers because it is all connected so there isn't any sort of separation from the bridges, slides, and ladders intended for older children. Some newer parks have different equipment and even separate areas for different age levels and we love this setup. Specifically, the new playground in Farmington, Rambling River Park, has so many fun options for all ages! My kids love the spinning equipment and the large ziplines, as well as the double seated swings. With all of the young families moving into this neighborhood, I think it's crucial that we have more options available for younger aged children. •Shade The majority of the time I brought my children to Spyglass Park over the past two years, the slides and equipment have been too hot for my children to use. This is very unsafe and could cause serious burns if parents don't check the temperature beforehand. Also, this really limits what young children can do at the park during the summer when it is often hot and sunny. It would be great if we could get upgraded equipment with more coverage or some sort of shade structure put over the playground. •Sandbox We used to live in the spirit neighborhood and often walked to the East Lake Community park and my kids loved the sandbox portion of this playground. We often brought sand toys which kept my younger children entertained while my older children played on the playground or swings. A sandbox would be a great addition to the spyglass park!
20	Unsure bocce ball would be utilized. Could use even more updated playground equipment. Add soccer goals and ice rink!!
21	Individually fenced pickleball courts with permanent net fixtures and lights.
22	Dedicated pickleball courts with lights please
23	Dedicated pickleball courts with lights!
24	More pickleball courts, at least 2. Many residents in the area play until very late at other city courts located outside Lakeville.
25	Thank you for the time and effort into the park! This will be a great addition to the area. Please receive the following feedback for consideration: I wonder the value of Bocce Ball's popularity with the amount of effort for the artificial turf over time. It seems like it will be easily damaged or dirtied with small litter. A dedicated pickleball space may be more popular with residents. The 8 foot high chain fence seems appropriate but am not in favor of the 12 foot fence. Thank you!
26	Hard to believe the bocce ball courts will be utilized much. A full size basketball court would get more use with the demographics of the neighborhood. An update to the playground equipment would also be appreciated.

27	I would love to see a separate pickleball court and basketball court. I also wouldn't mind an ice rink ;) Love the trail and the fact that we are getting our green space back! It will be great to have a gathering space for those young teens! Thanks!
28	The kids have plenty to do in the summer months. Adding some outdoor winter activities would be highly supported. We need an ice rink for all these kids in the winter. Not even the high school across the street has one.
29	For safety, there should be lighting along the connection path to the culdesac. Your plan will bring more people to this area. As it is now, there are people who go into the park after closing hours. Please install motion detection flood lights around the gazebo to deter drinking after closing or fireworks. Add permanent bike racks & dog waste disposal bins. If people continue speeding along this route, consider adding a speed bump. Leave the portapotty at the present location, by the gazebo and eating area, where ppl would use it the most. 205th street has been worn down from heavy construction vehicles the last few years, will the developer repair it, not just tar and chip? Will the road be widened for additional on street parking, will it remove parking along the south side for residents or infringe upon the sidewalk? If you wish to encourage walking & use by local neighbors, additional on-street parking isn't as important. Eastbound traffic often illegally uses the northern lane, because of the curve. Add memorial park bench seating along the trail.
30	We have lived across from this park since 2005. Be aware that there has been drainage issues in the past where the field area being used for basketball and bocce - it has become very saturated and soggy in the past. We would like to see the portable restroom enclosure moved back to the picnic/play area where it has been in the past - it seems like people using the picnic/playground are most likely to need that facility. Very happy to see the continuation of the path up 205th to Gallifrey Way. It would also be good to have a marked crosswalk for 205th from the northbound side of Fruitwood Path to slow traffic at that spot - 30mph with the curve can make it a safety concern.
31	Nobody plays or knows what bocce ball is. Give us more pickleball, tennis, or basketball courts. Those bocce courts are a waste of space and resources.
32	As a member of the spyglass community I am not sure that the bocce ball courts would be the best option and utilized as often as pickleball and basketball court could be. It feels like combining the two would make it hard to get time on either. I feel like pickleball is really gaining speed and when my family goes to the nearest pickleball court we always have to wait to get a spot to play. Only having one court, could pose this problem for our neighborhood as well. Also feel like a sand volleyball court would be utilized more then bocce ball.
33	Would prefer a full court basketball court instead of bocce ball and two dedicated pickle ball courts.
34	Please put signs up that this is NOT an off leash dog park. I already can see that open green area being full of dog feces from people that believe it's a dog park. Can the Lakeville PD also drive through the neighborhood randomly to hand out off leash tickets at that park when it's done, my neighbor already let his dogs out off leash with no fence around his yard. I don't need more of it. Thank You
35	I would like to see separate basketball court and pickle ball court.
36	A small heated building or a fire pit area with seating can help visitors warm up in winter. Heated and well-insulated restroom facilities make a park more accessible during colder months. Benches with wood or insulated designs are more comfortable in cold weather compared to metal. Good lighting improves safety. A community bulletin board to share happenings nearby. An opening ceremony once it's completed!

37	I think the improvement plan is well designed. Thank goodness there aren't tennis courts! It is refreshing to see a mix of recreational options for adults and children. It makes me happy we selected Spyglass all those years ago! But, we must bring up traffic. Traffic into Spyglass is a serious concern that no one at the city seems to be addressing. Coming into 205th is very dangerous. With additional visitors along with the other project on Cedar, this should be seriously considered like YESTERDAY. We need a light. We are being held hostage in Spyglass, and I am afraid it will only get worse with these park improvement projects! Thanks for all that you do!
38	With the kids and families in this neighborhood, the bocce ball courts are not a good choice. This neighborhood would use a basketball court with at least two baskets, and also pickleball courts. These should not be on the same playing surface. Perhaps make basketball court bigger and replace bocce ball surface with one or more pickleball courts. This neighborhood has been requesting a basketball court since I moved into the development in 2003. The city needs to listen to the voice of the residents in the Spyglass neighborhood. Please!
39	No one is use the Bocce Ball courts. This seems like a waste of same. The amount of kids in this neighborhood could benefit from a full basketball court or at least one that had two baskets. Pickle ball is addition, but not to be shared with the basketball court. We think the bocce ball is a waste of valuable space.
40	Create a separate basketball and pickle ball court. Remove the bocce ball area.
41	Updates to the playground, including equipment for younger/infant age kids like other parks in Lakeville
42	Comments on the Preliminary Master Plan for Spyglass Park Chain Link Fence: While a 12-foot chain link fence may provide security, it raises concerns about its appearance and functionality. Will it complement the park's aesthetics, and is this height truly necessary? Additionally, what measures will be taken to ensure it remains safe and visually appealing over time? Play Equipment and Shade: The current lack of shade over the play equipment is a significant issue. The equipment becomes excessively hot, especially during the summer, making it unsafe for children to use. Adding shade structures would make the park safer and more enjoyable. Some of the play equipment is broken and needs urgent repair. Addressing these issues should be prioritized to maintain safety and functionality for children. Any chance to get some play equipment that is a little more young children friendly? Being a new neighborhood, tons of little kids and this equipment is kind of steep and high more for an older child. Field Fencing: Is fencing necessary around the open field area? Open spaces often benefit from being accessible and versatile. A fence could restrict use and feel unnecessary unless there is a specific safety concern. Trail Addition: We love the trail idea! Trails enhance the park's usability, provide excellent opportunities for walking and exercise, and encourage community engagement.
43	Would love to see a separate pickleball court and basketball court. I do not believe there is an overwhelming interest in Bocce Ball to have 4 lanes. basketball and pickleball will be used!
44	Discard bocce ball and make something more fun
45	The playground needs updating and should be expanded. With the amount of space this plan shows there is room to improve the play area for the kids in the neighborhood. Swings are rusty and squeaky; plus only 2. Please consider this when approving the project.
46	I think having dedicated pickleball courts would be ideal and will probably get used more than the bocce ball courts (if I had to pick). Also, I like the basketball court but can that be a full size court?
47	Four bocce ball pits, but only one Pickleball court that has to share space with basketball? Who decided that? Nobody plays bocce. Everybody plays pickle ball not to mention half the homes in this neighborhood have basketball hoops set up already so it would seem that pickle ball and basketball would be a better option than Using that space for bocce. This is not to say that I am not extremely grateful for the time money and effort being put towards improving this park. I have lived in the spyglass neighborhood for 18 years, and this is a welcome improvement.

48	There are so many kids especially teens in the neighborhood that I think more areas devoted to those kids would be advantageous. Rather than bocce courts, a full size basketball court would be amazing.
49	This plan looks great! Are there any plans to replace the existing play set? It is not all age friendly, being a bit large for younger children to play on. It would be fun to see a hockey rink in the green space! It is a large, relatively flat area. I think many families in the neighborhood would enjoy an outdoor rink closer!
50	The current playground could use an update as well. Our family along with others have commented how it's an "okay" park but there are much better parks elsewhere. With the new houses being built behind the park, it could use a better playground to handle more kids.
51	Really like the ideas however I think it would be really beneficial to have the basketball court and pickleball court be separate. With 2 pickleball courts as it's a big neighborhood. No need to have that much green extra space on the north side out the pickle ball courts there in my opinion.
52	Thank you so much for doing this! My feedback would be to remove the bocce ball court to have a full basketball court and separate pickel ball court. Could we also get sinage at cedar & 205th for the Spyglass neighborhood. Lastly put some stop signs on 205th to slow down traffic. Thanks!
53	Looks like an amazing upgrade!!! Please ensure there are at least 5 sets of Toter trash receptacles that the city Broyhill can come empty.



Memorandum

To: Planning Commission and Parks, Recreation and Natural Resources Commission
From: Tina Goodroad, Community Development Director
Date: January 30, 2025
Subject: Packet Material for the February 6, 2025 joint work session
Agenda Item: Tree Preservation Ordinance Amendment

Over the past several months, Community Development and Forestry staff have been working on revisions to the Tree Preservation Ordinances that are included in the zoning and subdivision codes. In October, staff presented a summary of the current ordinances and consideration of what could be included in an update to the City Council, who supported the exploration of these ideas and to seek input from the Planning and Parks, Recreation and Natural Resources Commissions.

During the joint meeting staff will present a summary of the current ordinance and goals for the update. Staff has prepared a content outline for an updated ordinance that we will use for discussion at the joint meeting. Primary areas for discussion will include:

- 1) Scope of application- what types of development will be subject to this ordinance.
- 2) Removal threshold- for each development type, a removal threshold is proposed before replacement is required.
- 3) Removal calculations – how the inventory should be counted based on tree types, number of trees, and/or caliper inches.
- 4) Tree replacement requirements- how the replacement trees are to be calculated for any tree removal above the permitted removal threshold.

Input from this meeting will help staff prepare a final draft ordinance. Staff will also be reaching out to developers for their input on proposed amendments.

Once the review process is complete, a Planning Commission public hearing for the proposed ordinance will be scheduled.

Attachments

Summary of Current Ordinance

Tree Preservation Ordinance Outline

Removal Threshold Math

Comparison Chart (sending separately)

Summary of Tree Preservation Ordinance Review – January 2025

Benefits of trees:

- Property value – for both owners and developers
- Heating/cooling cost reductions
- Water quality improvement
- Storm water run-off and erosion control
- Shade
- Public health
- Neighborhood/community character

Why is it important to update the ordinance now?

- Development is shifting from agricultural land with few trees into wooded parcels where large portions of the city's tree canopy exist.
- We continue to hear from residents that trees are an important part of the community with concerns raised about the loss of trees when development occurs.
- Envision Lakeville: Community Values
 - *Access to a multitude of natural amenities and recreational opportunities: We value widespread access to nature, the outdoors, and all types of recreational opportunities.*
 - *Design that connects the community: We value a well-designed community, and we place a priority on development that enhances connectivity and accommodates our changing needs.*
 - Document highlights natural resources as a strength of the community.

The current state of our tree preservation ordinance:

- Does:
 - Applies to subdivisions and new home construction on custom graded lots under the subdivision ordinance.
 - Requires a certified tree preservation plan which identifies all significant trees (trees greater than 6" diameter) onsite and indicates which trees – if any – are to be preserved.
 - Identifies measures to be used to protect trees that are to be preserved.
 - Requires a financial security to ensure the proposed tree preservation measures are followed, or that damaged trees are replaced.
 - Requires replacement planting for trees that were identified by the development team to save, but which were removed or damaged during construction.
 - Prior to release of the security/issuance of the COO, requires written certification the tree preservation plan was followed including:
 - The status of all trees to be saved on the approved plan,
 - Whether tree protection measures were installed,
 - The status of trees that were to be removed,
 - Required replacement trees were planted.
 - Provides a developer driven framework to determine which trees on a site will be preserved.
 - Requires the development team to consider tree preservation when designing a site and to preserve, where feasible, all healthy trees of significant value.
- Does not:
 - Require the preservation of any trees on a site.
 - Provide community defined preservation standards on the number or types of trees/forests to be preserved (doesn't account for loss of forest benefits, community resilience, access to nature, character, and well-designed development to the surrounding and larger community).
 - Provide any site-specific requirements based on the land-type in which development occurs. (wooded vs agricultural lands)
 - Provide planting guidelines to promote tree diversity to limit future shade tree pest and disease issues.
 - Identify inspection requirements prior to release of security and issuance of COO.
 - Address development on individual lots, redevelopment, or expansion projects.

What are our goals with the update?

- Updates would better address and guide tree preservation efforts with the projected changes in the future context of development (woodland vs agricultural).
- Promotes tree preservation and establishes standards that account for different forest types and tree quality found on a site.
- Take into account the value of long-lived, high-quality trees such as oaks compared to relatively short-lived species such as boxelder and encourage the developers to prioritize high value trees and woodland.
- Provide a framework to preserve the existing benefits of trees and woodlands, including increases in property values, for the community.
- Establish a standard of tree preservation that aligns with community values.
- Establish clear and consistent levels of city oversight in development projects.

Our proposed updates would address:

Scope of Applicability:

The tree preservation ordinance would apply to subdivisions and new construction in Residential, Commercial, Industrial, and Institutional zoning districts. Projects would need to submit a tree preservation plan.

Removal Threshold:

A removal threshold is the maximum amount of diameter inches of significant trees that can be removed without requiring the planting of replacement trees.

Zoning code	Removal Threshold
RS-1 to RS-4	30 percent
RST-1, RST-2, RM-1 to RM-3 RH, RHCBD	50 percent
Commercial, Industrial, Institutional	60-70 percent

Tree Removal and Replacement Categories:

To prioritize the preservation of desirable trees and establish replanting requirements; trees are categorized as common, conifer/evergreen, and hardwood species. Removal thresholds are applied to common tree species first and hardwood species last.

Example: Residential*

Development in residential districts may remove or disturb up to 30% of the total significant diameter inches of trees surveyed on the site. Any removal or disturbance beyond this threshold requires restoration. The following calculation must be used to determine tree replacement requirements:

1. Calculate 30% of the total diameter inches (DBH) of significant trees on the site. This is the allowable tree removal limit, or the number of inches that can be removed without replacement.
2. Subtract the total diameter inches of common trees (which are significant) that will be removed from the allowable inches.
3. If any allowable inches remain, subtract the total diameter inches of coniferous/evergreen trees (which are significant) that will be removed from the remaining allowable inches.
4. If any allowable inches remain, subtract the total diameter inches (DBH) of hardwood deciduous trees (which are significant) that will be removed from the remaining allowable inches.

Trees which are considered Heritage Trees are unique to Lakeville due to their size and age. All reasonable measures shall be taken to preserve these trees. There is a 0% removal threshold, meaning every diameter inch (DBH) of heritage tree removed will require replacement in accordance with the standards of this section. No heritage tree will be considered exempt.

Tree Replacement Schedule:

Tree removals over the allowable tree removal limit on the parcel shall be replaced according to the following schedule:

1. Common tree species shall be replaced with new trees, at a rate of one-eighth ($1/8$) the diameter inches lost (i.e., 1 inch diameter of replacement trees for each 8 inches of tree diameter lost).
2. Coniferous/evergreen species shall be replaced with new trees, coniferous or deciduous, at a rate of one-fourth ($1/4$) the diameter inches lost (i.e., 1 inch diameter of replacement trees for each 4 inches of tree diameter lost).
3. Hardwood deciduous tree species shall be replaced with new hardwood deciduous trees at a rate of one-half ($1/2$) the diameter inches lost (i.e., 1 inch diameter of replacement trees for each 2 inches of tree diameter lost).
4. Heritage trees must be replaced at a rate of $1/1$, one caliper inch of replacement for every diameter inch of tree removed.

*This method is implemented in city ordinances of Dayton, Woodbury, and Farmington. Inver Grove Heights has a similar, generalized, requirement. Most communities listed in the comparison table have set a removal threshold.

Additional proposed updates:

- Tree preservation plan requirements and protection measures will be clarified.
- The possibility of including incentives to preserve existing high-quality trees is being explored.
- Exceptions to the removal threshold calculation include:
 - Trees affected by an epidemic insect or disease issue, for example, ash trees;
 - Invasive tree species;
 - Trees in locations where public improvements will be made: streets, sidewalks, public stormwater management infrastructure.
- City review process

Topics for discussion:

- Scope of Applicability – Should we extend the TPP requirements to include other development types?
 - Properties within shoreland overlay
 - Building additions
 - Outlots
 - General grading
- Methods of calculating replacement requirements.
 - Refer to Example Calculation Document

TREE PRESERVATION ORDINANCE

1. INTENT AND PURPOSE

- a. Intention statement: Importance of tree preservation and replacement, recognizing that some level of tree removal is inevitable with development. Recognizes the benefits trees provide to the community.

2. DEFINITIONS:

- a. The following words and terms, whenever they occur in this section, are defined as follows:
- b. See list in Appendix A

3. SCOPE OF APPLICATION:

- a. The following types of development shall require a tree preservation plan, regardless of zoning district:
 - i. New development at time of subdivision review
 - ii. New building construction including:
 - 1. New Construction on a vacant lot
 - 2. New Construction on a metes and bound lot (infill)
 - 3. Residential tear down and re-build that is expanding the footprint of original structure

4. TREE PRESERVATION PLAN

- a. Indicates when a tree preservation plan is required.
- b. Identifies who must prepare and submit the tree preservation plan.
- c. Identifies the information that is to appear on the tree preservation plan.

5. REMOVAL THRESHOLDS AND REPLACEMENT REQUIREMENTS

- a. Establish removal thresholds based on development type. The removal threshold is the maximum amount of diameter inches of significant trees that can be removed without requiring the planting of replacement trees.
 - i. Residential – 30%
 - 1. RS1-RS4
 - ii. Multifamily – 50%
 - 1. RST-1 and RST-2
 - 2. RM-1 to RM-3
 - 3. RH and RHCBD
 - 4. RSMH
 - iii. Commercial, Industrial, Institutional – 70%
- b. Removal Calculations
 - i. Calculate the total percentage of tree removal on a site
 - ii. Calculate the removal of:
 - 1. Common Deciduous Trees

- 2. Conifer/Evergreen Trees
- 3. Hardwood Deciduous Trees
- iii. Heritage trees are not counted under the removal threshold but 100% of the heritage trees removed must be replaced at a rate of 1:1.

6. REQUIRED TREE PROTECTION MEASURES:

- a. Identifies measures required to protect significant trees and woodlands.
- b. Identifies external document where all tree protection standards and alternate best practices are listed.

7. TREE REPLACEMENT REQUIREMENTS

- a. The following replacement requirements apply to trees removed above the threshold as defined in section 5.
- b. Replacement policy: Replacement trees are required for any tree removal above the removal threshold, adjusted for tree type
 - i. Common: 1/8 diameter inches lost must be replaced in caliper inches of replacement trees
 - ii. Conifer: ¼ diameter inches lost
 - iii. Hardwood deciduous: ½ diameter inches lost
 - iv. Heritage trees: one hundred percent (100%) of diameter inches lost must be replaced
- c. Replacement tree requirements
 - i. Define nursery stock and sizing requirements#
- d. Tree species diversity requirements and list of approved trees
- e. Planting locations:
 - i. Identify where required trees are to be planted and where not to be planted
 - ii. Landscape/Reforestation Plan
 - 1. Landscape buffer standards/individual lot requirements
- f. Fee in lieu
- g. Warranty Requirements

8. INCENTIVES

- a. Determine if heritage tree preservation or other incentives should be included.

9. EXCEPTIONS

- a. Significant trees removed under the following circumstances are exempt from removal threshold calculation:
 - i. List: include public improvements, epidemic tree pests/disease, as determined by city, other

10. REVIEW, GUARANTEES, INSPECTION, ENFORCEMENT

- a. Review
- b. Amendments to the tree preservation/reforestation plan
- c. Financial guarantee

- i. Update guarantees/securities
 - ii. Identify the release of funds
- d. Implementation, inspection, and enforcement of the tree preservation plan
- e. Final certifications and inspections
- f. Removal of tree protection measures

Appendix A: Definitions (WORKING LIST, FURTHER TERMS AND EDITS NEEDED)

Buildable Area: *Work on definition related to area where structures can be placed on a parcel*

Caliper Inches: Stem diameter of nursery stock as identified by American Nursery Standards.

Common Trees - A deciduous overstory tree including cottonwood, poplars/aspen, box elder, willow, silver maple, elm, and any other tree species not defined as hardwood deciduous tree or a coniferous/evergreen tree or considered non-native to Minnesota.

Conifer Trees - A tree that bears cones and evergreen needle-like or scale like leaves year-round which reaches a height of at least 15 feet at maturity.

Critical root zone: The root protection area around a tree defined as a circle with a radius of 1 foot for every 1 inch of trunk diameter.

Destroyed or Damaged: A tree shall be considered destroyed or damaged for the purpose of required replacement if more than 30% of the root system or 30% of the trunk circumference is damaged.

DIAMETER (DBH): The measurement of a tree's trunk measured four and one-half feet (4.5') above the ground.

DRIP LINE: The farthest distance away from the trunk of a tree that rain or dew will fall directly to the ground from the leaves or branches of the tree or one foot (1') per one inch (1") of diameter, whichever is greater.

Hardwood Deciduous – A woody tree which has a defined crown, and which loses leaves annually including oaks, *(identify list or reference current city list)*

Heritage Tree – A hardwood deciduous tree greater than (choose size threshold) inches in diameter at 4.5' or a conifer greater than (choose size threshold) inches in diameter at 4.5'.

Significant Woodland: An area of forested land that has contiguous tree canopy greater than 2 acres regardless of land ownership. *Does it matter if this is common trees?... should this be defined as hardwood/heritage, some percentage of

Hazard or Nuisance Tree – tree is dead, diseased, as determined by the city... (refer to shade tree ordinance or nuisance ordinance?) (define exceptions)

Public Improvements: (see exceptions section)

SIGNIFICANT TREE: A healthy tree measuring six inches (6") in diameter or greater.

Significant Diameter Inches: The total diameter inches of all significant trees inventoried in each category (hardwood deciduous, common, and conifer).

TREE CERTIFICATION: A certified inventory of trees on the site after work is complete listing all trees and their final disposition, which is signed by a licensed forester or landscape architect.

TREE PRESERVATION PLAN: A plan and inventory certified by a licensed or registered forester or landscape architect indicating all of the significant trees and their locations in the proposed development or on the lot. The tree preservation plan shall include the size, species, tag numbers, and location of all significant trees proposed to be saved and removed on the area of development, and the measures proposed to protect the significant trees to be saved.

TREE PROTECTION: Snow fencing or Orange polyethylene laminar safety netting or chain link fencing placed at the drip line of the significant trees to be preserved. The tree protection measures shall be shown on tree preservation plan drawings and remain in place until all grading and construction activity is terminated. (Ord. 673, sec. 1, 7-17-2000; amd. Ord. 866, sec. 39, 5-17-2010)

Example Calculation: Residential property with a 30% removal threshold

All diameter inches in calculations are from significant trees only.

Existing conditions:

1000 diameter inches total on site
500 diameter inches in common trees
200 diameter inches in coniferous trees
300 diameter inches in hardwood deciduous

Proposed changes:

500 diameter inches are removed, of those:
200 diameter inches are common
200 diameter inches are coniferous
100 diameter inches are hardwood deciduous

30% removal threshold means 300 diameter inches are allowed removal.

Removal threshold calculation:

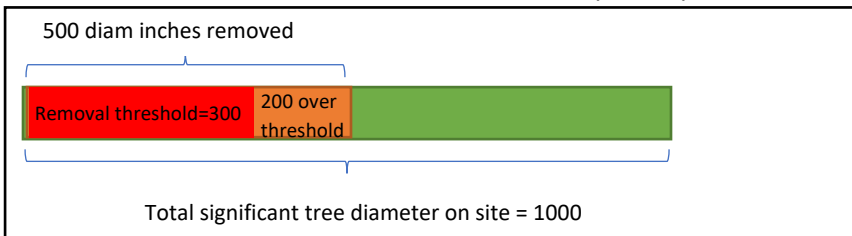
First, subtract common diameter inches from removal threshold

$$300 - 200 = 100 \text{ remaining allowable removal}$$

Then, subtract coniferous diameter inches from removal threshold. Any remaining inches require replacement.

$$100 - 200 = 100 \text{ with a remaining 100 inches of coniferous trees that require replacement.}$$

100 diameter inches of hardwood deciduous require replacement.



Out of the 500 diameter inches removed, 200 require replacement.

Replacement required calculation:

Coniferous: $\frac{1}{4}$ replacement

$$100 * \frac{1}{4} = 25 \text{ diameter inches worth of replacement trees}$$

Hardwood deciduous: $\frac{1}{2}$ replacement

$$100 * \frac{1}{2} = 50 \text{ diameter inches worth of replacement trees}$$

Total replacement: 75 diameter inches worth of replacement trees.

Roughly 30 replacement trees at 2.5" each.

For example:

If the 1000 diameter inches are in 100 trees all 10 inches in diameter, 50 of those trees are removed, out of those 50, 30 trees are required to be replaced.