



COMMUNITY LAND AND RECREATION BOARD

Regular Meeting (#22-10) Agenda
CITY OF PARKVILLE, MISSOURI
Wednesday, November 29, 2023 6:00 PM
City Hall Board Room

1. CALL TO ORDER

- A. Adam Zink
Linda Arnold
Michelle Flamm
Steven Sturgess
Dana Laiben
Amanda Blackwood
Nathan Askren
Mary Jane Kuehn
Jessica Holtz
Phillip Wassmer (Liaison)

2. CONSENT AGENDA

- A. Approve the minutes for the October 18, 2023, regular meeting

3. NON-ACTION AGENDA

- A. Deep Roots Partnership with Callery Pear Buyback Program

4. ACTION AGENDA

- A. Provide a recommendation to the Board of Aldermen regarding amendments to Parkville Municipal Code, Chapter 150 – Community Land and Recreation Board, and Chapter 515 – Right-of-Way Management, to address the maintenance of street trees within public rights-of-way.
- B. US Army Corps of Engineers Wetlands Update and Water Source Recommendation

5. STAFF UPDATES ON ACTIVITIES

- A. Parks Maintenance Updates
- B. Nature Sanctuary
- C. Parks Capital Improvement Updates
- D. Special Events
- E. Bicycle Friendly Community, History and Discussion

6. MISCELLANEOUS ITEMS FROM THE BOARD

Posted 11/28/2023 By:
Date & 2:00 p.m. Bonnie
Time: Buckmaster

7. EXECUTIVE SESSION

A. The Community Land and Recreation Board may enter into closed session pursuant to:

- RSMo. 610.021(12) for sealed bids and contract negotiations

8. ADJOURN

Posted	11/28/2023	By:
Date &	2:00 p.m.	Bonnie
Time:		Buckmaster



COMMUNITY LAND AND RECREATION BOARD

Regular Meeting (#22-009)

MINUTES

CITY OF PARKVILLE, MISSOURI
Wednesday, October 18, 2023 6:00 PM
City Hall Board Room

1. CALL TO ORDER

The meeting was called to order at 6:00 p.m. on October 18, 2023.

Roll was called by Bonnie Buckmaster, Public Works Department Assistant.

Members present were:

Adam Zink
Michelle Flamm
Linda Arnold
Steven Sturgess
Mary Jane Kuehn
Jessica Holtz

Absent with prior notice were:

Dana Laiben
Nate Askren
Amanda Blackwood

Phil Wassmer (Liaison)

A quorum of the Board was present.

Brittanie Propes, Parks & Recreation Director; Chris Ashley, Project Manager; and Bonnie Buckmaster, Public Works Assistant, were present on behalf of the City.

Brittanie Propes, Parks and Recreation Director, introduced and welcomed new member Jessica Holtz.

2. CONSENT AGENDA

A. Approve the minutes for the September 13, 2023, regular meeting

ACTION: Michelle Flamm moved to approve the minutes for the September 13, 2023, regular meeting. Steven Sturgess seconded.

RESULT: Motion Passed: 6-0.

3. COMMUNITY INPUT

A. Baseball Partnership for Grigsby Field

Brittanie Propes, Parks and Recreation Director, stated that Titus Bond had requested to be on the agenda to discuss a potential partnership for Grigsby Field. Bond was not in attendance, therefore, the item will be discussed at a future meeting.

4. ACTION AGENDA

- A. Appoint CLARB member(s) for the Selection Committee for the Parkville Parks and Recreation Master Plan. Staff is seeking 1-3 CLARB members to represent CLARB on the selection committee to review proposals, rate proposals, and recommend a consulting firm for the Master Plan. The Selection Committee will include CLARB representatives, City Staff, and a BOA liaison. The proposals for Parks and Recreation Master Plan are due November 1, 2023. The Selection Committee will review proposals between November 6-9. The recommendation will then be presented to CLARB on November 15, 2023.

Member Michelle Flamm, addressed the board regarding the past creation of the master plan and advised to give the consultant a realistic plan based on the budget, which Brittanie confirmed that this recommendation was included in the RFP.

Mary Jane Kuehn, Jessica Holtz and Michelle Flamm volunteered to be on the Selection Committee.

- B. Appoint CLARB members for the Steering Committee for the Parkville Parks and Recreation Master Plan. Staff is looking for 2-3 CLARB members to represent CLARB on the Steering Committee for the Parks and Recreation Master Plan Process. This committee will consist of CLARB members, City Staff, and Board of Aldermen representatives. The Steering Committee will represent the greater community to guide the framework of the Master Plan. This committee will work with the consulting firm to coordinate community engagement and public meetings while assisting with initiating, engaging, and developing major components throughout the planning process. The process will begin after a firm is selected with an anticipated first meeting in January 2024. This committee will meet on a semi-regular basis over the course of several months.

Steven Sturgess, Adam Zink and Linda Arnold volunteered to be on the Steering Committee.

5. STAFF UPDATES ON ACTIVITIES

Train Depot - Kathy Kline will not be renewing the lease agreement and the lease will be terminated December 31, 2023. There will be a work session held to discuss possible uses.

Wetlands Progress

Finding sufficient clay

Delay with bentonite

Project still running smoothly

Meeting on site next week to discuss project update

Liaison Philip Wassmer said it looks really good.

Farmers Market

Staff submitted the grant proposal to Platte County Parks and Recreation. The city had received several letters of recommendation for the grant.

Project Updates

- Gateway Park Project - Bid Opening 10/4/23, to be presented to the Finance Committee on 10/30/23.
- Veterans Memorial - SFS is developing a new team to revise the design plans.
- Girl Scout Cabin at PNS - The project was approved by the BOA. The anticipated project is to start on 11/1/23.
- A-Truss Bridge Sidewalk Repair & New Dumpster Pad in PLP - Bid opening 10/3/2023, to be presented to the Finance Committee on 10/30/203.
- Dog drinking fountains and bike fix it station - to be presented to the Finance Committee on 10/30/2023.
- New park behind the PAC detention pond/property - survey in process
- Exercise equipment at PNS - drafting an MOU

Chair, Adam Zink, noted that the trail by the dog park near the road that was put in by MOAW to get to the well looked like it wasn't being maintained. Brittanie will look into this.

Other Updates

Seeking volunteers for pumpkin carving and ghost stories
Tree maintenance requirements - still under review

Upcoming

- Schedule of fees/revisions at November meeting – Brittanie to get comparable quotes for parking lot rental fees for next month's meeting – carnival electricity – public restroom closed for large events – has been abused when open in the past
- Presentation by Deep Roots
- Recommend firm for parks and rec master plan

Member Steven Sturgess left the meeting at 6:47 p.m.

- Lunch & Learn to be held 11/2/2023 - Brittanie will send out zoom information.
- Gratitude Wall - Parks department to craft a gratitude wall to place in the park during the month of November for people to post what they are grateful for.
- Photo Stand - Parks department to install a photo stand near the wetland area that will hold a phone to take photos.
- NRPA Conference - Brittanie attended the conference last week and gained beneficial knowledge.

- A. Parks Maintenance Updates
- B. Nature Sanctuary Updates
- C. Capital Improvement Projects Update
- D. Special Events

Fall events were included in the CLARB packet and are also listed on the City website.

6. MISCELLANEOUS ITEMS FROM THE BOARD

- Liaison Philip Wassmer appreciated the city investing in Brittanie's education and sending her to the NRPA Conference.
- Chair, Adam Zink, said that he sent emails to Chris Ashley and Brittanie Propes regarding the gravel paver system for Gateway Park. Brittanie added that she had discussed this with the designer of Gateway Park and was told it was not a good fit for this project.

7. ADJOURN

ACTION: Michelle Flamm moved to adjourn the meeting at 7:01 p.m. Linda Arnold seconded.

RESULT: Motion Passed: 6-0.

The minutes for October 18, 2023, having been read and considered by the Community Land and Recreation Board, were approved on the 29th day of November, 2023.

Bonnie Buckmaster, Public Works Assistant

Approval date

The background of the entire page is a close-up photograph of Callery pear leaves. The leaves are green but heavily infested with numerous small, dark red spots, which are characteristic of fire blight. Some leaves show more extensive damage, with larger areas of discoloration and necrosis. The lighting is bright, suggesting a sunny day, and the background is slightly out of focus, showing more foliage and a hint of a blue sky.

CALLERY PEAR BUYBACK 2023

LEARN MORE

**Get a free native tree when you
chop down a Callery pear!**

CITY OF PARKVILLE Policy Report

Date: October 31, 2023

Prepared By:

Stephen Lachky, Community Development
Director

Reviewed By:

Brittanie Propes, Parks & Recreation Director

ISSUE:

Provide a recommendation to the Board of Aldermen regarding amendments to Parkville Municipal Code, Chapter 150 – Community Land and Recreation Board, and Chapter 515 – Right-of-Way Management, to address the maintenance of street trees within public rights-of-way.

BACKGROUND:

On July 18, 2023 the Board of Aldermen adopted Ordinance No. 3194 amending the City's Property Maintenance Code to address the maintenance of grass, weeds and vegetative overgrowth within public rights-of-ways by adjoining property owners. The amendment was in response to questions and confusion by property owners, regarding who — the City of Parkville or private land owners — is responsible for maintenance within public rights-of-ways. Since this time, there have been additional inquiries from residents to staff with regard to street trees and their maintenance within public rights-of-way.

As a result, the City held two informational work sessions with the Board of Aldermen $\frac{3}{4}$ on September 19, 2023 and October 3, 2023 $\frac{3}{4}$ to provide an overview of Parkville's regulations pertaining to responsibilities within public rights-of-way. Members of the Board of Aldermen provided staff feedback at these work sessions, specifically to better clarify regulations and responsibilities for private property owners regarding the maintenance of street trees (i.e., trees, shrubs, bushes and all other woody vegetation on land lying between property lines on either side of all streets, avenues or ways within the City) within public rights-of-way.

CHAPTER 150 – COMMUNITY LAND AND RECREATION BOARD:

On December 4, 1984 the Board of Aldermen adopted Ordinance No. 918 creating a municipal forestry program and establishing a board to oversee the development and administration of a city forestry program. And on February 15, 2005 the Board of Aldermen adopted Ordinance No. 2179 repealing the City's Tree Board and regulations, created Chapter 150 of the Parkville Municipal Code, and merged the former Tree Board, Parks Committee and Events Committee-related duties under one board named the Community Land and Recreation Board (CLARB).

Chapter 150 of the Parkville Municipal Code contains spacing / distance (ft.) requirements for planting street trees from curbs and sidewalks, street corners, fireplugs and utilities; and Chapter 150 also states that the CLARB shall maintain a desirable street tree species list, requiring that only such species be planted as street trees. To staff's knowledge, these spacing / distance (ft.) requirements have never been enforced; and a desirable street tree species list was never developed for CLARB (However, a Great Trees list was created in conjunction with the City's 2016 update to the

development code, and currently resides in Appendix B of the Title IV: Development Code as an informational guide [see Attachment 5]). The list was developed by Robert Whitman (Landscape Architect, Gould Evans) with input from 16 Kansas City area tree experts — professional arborists, landscaping and nursery organizations, state and county departments, and the academia field.

PARTICIPANTS:

Michael Dougherty, Tree Management Company (913)894-8733

Dennis Patton, Johnson County Extension Agent

Tory Schwope, KAT Nurseries, (913)856-5288

Alan Branham, Director of Horticulture, Powell Gardens

Chris Casebeer, Green Valley Nursery, (913)206-6598

Bob Haines, Arborist, Shade Masters (913)522-1810

Dan Simmons, Show-Me Horticulture, (816)277-6601

Mark Young, Country Club Tree Service (816)333-7220

Chuck Conner, Forester, Missouri Department of Conservation

Kevin Smith, Forester, Johnson County Parks & Recreation (retired)

Cheryl Boyer, Assistant Professor, K-State Extension

Ivan Katzer, Consulting Arborist, (816)765-4241

Tim McDonnell, Forester, Kansas Forest Service

Scott Reiter, Linda Hall Library

Chip Winslow, FASLA, KSU Department of Landscape Architecture

Susan Mertz, Loma Vista Nursery, (913)897-7010

Robert Whitman, Landscape Architect, gouldevans

Per direction from the Board of Aldermen, staff is providing amendments to Chapter 150 before CLARB for their input and recommendation. Staff's intention is to allow property owners to perform routine maintenance, pruning and upkeep of street trees; but to require submittal of an Application for Right-Of-Way Permit (see Attachment 4) for any planting or removal of street trees in order to identify potential issues beforehand. With regard to penalties for illegally removing a street tree without approval of a ROW permit, the City can impose a fine through its current ordinances for not first obtaining a ROW permit. Legal counsel only recommends imposing a dedicated street tree fine/penalty for illegally removing a tree if the City takes a more active role in street tree oversight.

BUDGET IMPACT:

With the exception of required codification and enforcement, there is no budgetary impact.

ALTERNATIVES:

1. Recommend approval of amendments to Parkville Municipal Code, Chapters 150 and 515.
2. Recommend approval of amendments, subject to revisions.
3. Recommend denial of amendments and provide alternative direction to staff.
4. Postpone the item.

STAFF RECOMMENDATION:

Staff recommends the Community Land and Recreation Board recommend approval of amendments to Parkville Municipal Code, Chapter 150 – Community Land and Recreation Board, and Chapter 515 – Right-of-Way Management, to address the maintenance of street trees within public rights-of-way.

POLICY:

The Community Land and Recreation Board provides advisory support to the Parks and Recreation Department and makes recommendations to the Mayor and Board of Aldermen regarding park planning or other related matters.

SUGGESTED MOTION:

I move to recommend the Board of Aldermen consider approval of amendments to Parkville Municipal Code, Chapter 150 – Community Land and Recreation Board, and Chapter 515 – Right-of-Way Management, to address the maintenance of street trees within public rights-of-way.

ATTACHMENTS:

1. 1. Chapter 150 Text Amendments
2. 2. Chapter 515 Text Amendments
3. 3. Informational Flyer - ROW Maintenance
4. 4. Application for Right-of-Way Permit
5. 5. Appendix B - Great Trees for the Kansas City Region

Chapter 150. Community Land and Recreation Board

Section 150.010. Definitions.

As used in this Chapter, the following terms shall have these prescribed meanings:

PARK TREES

Trees, shrubs, bushes and all other woody vegetation in public parks having individual names and all areas owned by the City or to which the public has free access as a park.

STREET TREES

~~Trees, shrubs, bushes and all other woody vegetation on land lying between property lines on either side of all streets, avenues or ways within the City.~~

TREE TOPPING

Topping is defined as the severe cutting back of limbs to stubs larger than three (3) inches in diameter within the tree's crown to such a degree so as to remove the normal canopy and disfigure the tree.

Section 150.020. Creation and Establishment of A Community Land and Recreation Board.

There is hereby created and established a Community Land and Recreation Board for the City of Parkville which shall consist of nine (9) members, citizens and residents of this City, who shall be appointed by the Mayor with the approval of the Board of Aldermen.

Section 150.030. Term of Office For Members of The Community Land and Recreation Board.

- A. The term of the nine (9) persons to be appointed by the Mayor shall be three (3) years, except that the first (1st) Board shall have three (3) members serve three (3) years, two (2) members serve two (2) years and four (4) members serve one (1) year.
- B. In the event that a vacancy shall occur during the term of any member, his successor shall be appointed for the unexpired portion of the term. Expiration dates of membership terms shall be in the year set by appointment but on the date of the first (1st) Board of Aldermen meeting in May of that year. Members whose terms have expired may be reappointed but shall not serve unless they have been reappointed.

Section 150.040. Compensation.

Members of the Community Land and Recreation Board shall serve without compensation.

Section 150.050. Duties and Responsibilities.

- A. It shall be the responsibility of the Community Land and Recreation Board to act in an advisory capacity for the Parks and Recreation Department to study, investigate, counsel, develop or update **policies** annually and administer a written plan for the care, preservation,

pruning, planting, replanting, removal or disposition of trees and shrubs on **park land owned by the City**, along streets and in other public areas. Such plan will be presented annually to the Board of Aldermen and upon its acceptance and approval shall constitute the official Comprehensive City Tree Plan for the City of Parkville, State of Missouri. The Community Land and Recreation Board, when requested by the Board of Aldermen, shall consider, investigate, make findings, report and recommend upon any special matter or question coming within the scope of its work and shall also serve to review citizen requests for tree service regarding **park** ~~public~~ trees.

- B. Further responsibilities of the Community Land and Recreation Board shall include advisory support to the Parks and Recreation Department and make recommendations to the Mayor and Board of Aldermen via the Director of Parks and Recreation. The Community Land and Recreation Board shall review matters of park planning or other issues brought before the Board.
- C. The Parks and Recreation Department shall have direct implementation power over any recommendation and ultimately the Mayor and Board of Aldermen have final authority regarding any recommendations, whether to follow them or enact their own recommendations.
- D. The Community Land and Recreation Board shall also make recommendations regarding public neighborhood beautification project requests.
- E. The Community Land and Recreation Board shall also make recommendations to the Director of Parks and Recreation, or his designee, with regard to event approvals as required by the guidelines for events in Parkville pursuant to 140.345.

Section 150.060. Operation.

The Community Land and Recreation Board shall choose its own officers, make its own rules and regulations and keep a journal of its proceedings. A majority of the members shall be a quorum for the transaction of business.

~~Section 150.070. Street Tree Species To Be Planted.~~

~~A list of desirable trees shall be developed and maintained by the Community Land and Recreation Board and kept as the official street tree species list for the City of Parkville. No species other than those included in this list may be planted as street trees without written permission of the Board of Aldermen.~~

~~Section 150.080. Spacing.~~

~~A list of tree spacing shall be developed and maintained by the Community Land and Recreation Board and kept as the official tree spacing list for the City of Parkville. No species other than those included in this list may be planted as street trees without written permission of the Board of Aldermen.~~

~~Section 150.090. Distance From Curbs and Sidewalks.~~

~~The distance trees may be planted from curbs or curb lines and sidewalks will be in accordance with the three (3) species size classes listed in Section **150.070** of this Chapter and no trees may be planted closer to any curb or sidewalk than the following: small trees, two (2) feet; medium trees, three~~

~~(3) feet; and large trees, four (4) feet without written permission from the Community Land and Recreation Board.~~

~~Section 150.100. Distance From Street Corners and Fireplugs.~~

~~No street tree shall be planted closer than thirty-five (35) feet to any street corner measured from the point of nearest intersecting curbs or curb lines. No street tree shall be planted closer than ten (10) feet to any fireplug.~~

~~Section 150.110. Utilities.~~

~~No street trees other than those species listed as small trees in Section 150.070 of this Chapter may be planted under or within ten (10) lateral feet of any overhead utility wire or over or within five (5) lateral feet of any underground water line, sewer line, transmission line or other utility without written permission from the Community Land and Recreation Board.~~

Section 150.070~~120~~. Public Park Tree Care.

- A. *Purpose.* It is the purpose of this Chapter to promote and protect the public health, safety and general welfare by providing for the regulation of the planting, maintenance and removal of park trees, shrubs and other plants on public park land within the City of Parkville. It is also to promote a strong urban forest in a healthy condition for the City of Parkville because of the many benefits it provides.

Intent. It is the intent of the City of Parkville Board of Aldermen that the terms of this Chapter shall be construed so as to promote the planting, maintenance, restoration and survival of desirable park trees, shrubs and other plants on public park land within the City. The intent is also the protection of community residents from personal injury and property damage and the protection of the City of Parkville from property damage caused or threatened by the improper planting, maintenance or removal of park trees, shrubs or other plants within the community.

- B. The City shall have the right to plant, prune, maintain and remove park trees, plants and shrubs on within the lines of all streets, alleys, avenues, lanes, squares and public park grounds as may be necessary to ensure public safety or to preserve or enhance the symmetry and beauty of such public park grounds.
- C. The Director of Parks and Recreation~~Community Land and Recreation Board~~ may remove or cause or order to be removed any park tree or part thereof which is in an unsafe condition or which by reason of its nature is injurious to sewers, electric power lines, gas lines, water lines or other public improvements or is affected with any injurious fungus, insect or other pest. ~~This Section does not prohibit the planting of street trees by adjacent property owners providing that the selection and location of said trees is in accordance with Sections 150.070 and 150.110 of this Chapter.~~
- D. All pruning of park ~~and street~~ trees shall be in accordance with the latest version of ANSI A300 Tree, Shrub and other Woody Plant Maintenance standard practices.

Section 150.080~~130~~. Tree Topping.

It shall be unlawful as a normal practice for any person, firm or City department to top any ~~street tree,~~ park tree or other tree on public ~~park land property.~~ ~~Park~~ trees severely damaged by storms or other causes, or certain trees under utility wires or other obstructions where other pruning practices are impractical, may be exempted from this Section at the determination of the ~~Director of Parks and Recreation~~ ~~Community Land and Recreation Board.~~

~~Section 150.140. Pruning — Corner Clearance.~~

~~Every owner of any tree overhanging any street or right-of-way within the City shall prune the branches so that such branches shall not obstruct the light from any street lamp or obstruct the view of any street intersection and so that there shall be a clear space of fourteen (14) feet above the surface of the street or sidewalk. Said owners shall remove all dead, diseased or dangerous trees or broken or decayed limbs which constitute a menace to the safety of the public. The City shall have the right to prune any tree or shrub on private property when it interferes with the proper spread of light along the street from a street light or interferes with visibility of any traffic control device or sign.~~

~~Section 150.090~~150. Dead or Diseased Tree Removal On Public Property.

The City shall have the right to cause the removal of any dead or diseased trees on City-owned property when such trees constitute a hazard to life and property or harbor insects or disease which constitute a potential threat to other trees within the City. Upon written statement from the certified arborist that any dead or diseased trees on City-owned property constitute a hazard to life and property or harbor insects or disease which constitute a potential threat to other trees within the City:

1. The Director of Parks and Recreation shall have the authority to remove any such park trees as needed; and
2. The Director of Public Works shall have the authority to remove any such trees on City-owned property besides park land as needed. This includes areas lying between property lines on either side of all streets, avenues or ways within the City — typically within public rights-of-way.

~~Section 150.100~~160. Removal of Stumps.

All stumps of ~~park street~~ trees shall be removed below the surface of the ground so that the top of the stump shall not project above the surface of the ground.

~~Section 150.110~~170. Interference With Community Land and Recreation Board and Enforcement of This Chapter.

- A. It shall be unlawful for any person to prevent, delay or interfere with the Community Land and Recreation Board or any of its agents while engaging in and about the planting, cultivating, mulching, pruning, spraying or removing of any ~~park trees street trees or trees on private grounds~~ as authorized in this Chapter.
- B. The Director of Parks and Recreation or his or her duly appointed designee serving as Community Forest Manager is hereby charged with the responsibility for the enforcement of this Chapter and may serve notice to any person, firm or corporation in violation thereof or

institute legal proceedings as may be required and the City Attorney is hereby authorized to institute appropriate proceedings to that end.

Section 150.120180. Arborist's License and Bond.

It shall be unlawful for any person or firm to engage in the business or occupation of pruning, treating or removing ~~street or~~ park trees within the City without first applying for and procuring a license. The license fee shall be forty dollars (\$40.00) annually in advance; provided however, that no license shall be required of any public service company or City employee doing such work in the course of their employment. Before any license shall be issued, each applicant shall first file evidence of possession of liability insurance in the minimum amounts of fifty thousand dollars (\$50,000.00) for bodily injury and one hundred thousand dollars (\$100,000.00) property damage indemnifying the City or any person injured or damaged resulting from the pursuit of such endeavors as herein described.

Section 150.130190. Review By Board of Aldermen.

The Board of Aldermen shall have the right to review the conduct, acts and decisions of the Community Land and Recreation Board. Any person may appeal from any ruling or order of the Community Land and Recreation Board to the Board of Aldermen who may hear the matter and make final decision.

Section 150.140200. Penalty.

Any person violating any provision of this Chapter shall be, upon conviction or a plea of guilty, subject to a fine not to exceed five hundred dollars (\$500.00).

Chapter 515. Right-of-Way Management

DIVISION 1. – GENERALLY

Section 515.010 Definitions.

The following words, terms, and phrases, when used in this Chapter, shall have the meanings given to them in this section, except where context clearly indicates a different meaning:

PRIVATE TREES

Trees, shrubs, bushes and all other woody vegetation, whose trunk is entirely on private property.

STREET TREES

Trees, shrubs, bushes and all other woody vegetation on land lying between property lines on either side of all streets, avenues or ways within the City — typically within public rights-of-way.

DIVISION 13. – RIGHT-OF-WAY RESPONSIBILITIES OF ADJOINING PROPERTY OWNERS

Section 515.650 Ownership of trees.

- A. *Private Trees.* Ownership of a tree is determined by who the owner of the property is where the tree trunk touches the ground. A tree whose trunk is entirely on private property is deemed a private tree.
- B. *Park Trees.* Once a tree is installed on City-owned property (no matter who installs the tree) the tree belongs to the City. When a tree is located on the property line between private property and City-owned property, the tree belongs to the City.
- C. *Street Trees.* Property owners are responsible for street trees located within the rights-of-way that abuts or is adjacent to their property.

Section 515.660 Maintenance of street trees—Generally.

- A. *Maintenance Responsibilities.* Property owners are responsible for the care of trees on their own property, as well as for street trees within public rights-of-way adjacent to or abutting their property, which typically are located in the parkway.
 - 1. *Exclusions.* This excludes any street trees planted by the City, which are to be maintained by the City.
 - 2. *City Rights.* The City shall have the right to plant, prune, maintain and remove trees, plants and shrubs within the lines of all streets, alleys, avenues, lanes, rights-of-way, squares and public grounds as may be necessary to ensure public safety or to preserve or enhance the symmetry and beauty of such public grounds.
 - 3. *Main Street Corridor.* Recognizing the unique character and tree canopy of street trees within the right-of-way along the Main Street corridor from 2nd Street to 7th Street, the City may provide additional maintenance services (e.g., pruning) to street trees within this area compared to other neighborhoods; additionally, the City may

pursue federal, state and local discretionary grant programs or other sources of funding for said maintenance.

4. *Clear Sight Distances.* Street trees shall be pruned so they do not obstruct the view of proper lines of sight at all intersections.
 - a. The distance of the unobstructed view shall be based upon the design speed of the intersection street, as specified in Table 404-4: Clear Sight Distance.
 - b. Street trees are allowed within the sight triangle provided that they do not have any foliage, limbs or other obstructions between 2 ft. and 8 ft., and are no closer than 20 ft. to the intersecting right-of-way line.
5. *Street Clearance.* Street trees shall be pruned to maintain a clear space of at least 14 ft. above the surface of a street.
6. *Sidewalk Clearance.* Street trees shall be pruned to maintain a clear space of at least 8 ft. above the surface of a sidewalk.
7. *Tree Topping.* The topping of any street tree (i.e., removing the top of the central stem/leader and upper main branches within the tree's crown) shall be prohibited, unless otherwise granted permission from the Director of Public Works — typically for instances where street trees have been severely damaged by inclement weather, or are under utility wires or under other obstructions where pruning practices are impractical.
8. *Pruning Standards.* All pruning of street trees shall be in accordance with the latest version of the American National Standards Institute (ANSI) A300 standards for the care and maintenance of trees, shrubs and other woody plants.

Section 515.670 Planting and removal of street trees

- A. *Planting and Removal.* Adjacent property owners may plant or remove street trees within public rights-of-way, provided City permission is granted via approval of a right-of-way permit.
 1. *Tree Species.* The Title IV – Development Code, *Appendix B. Great Trees for the Kansas City Region* shall be used by staff to determine appropriate street trees to be planted.
 2. *City Removal.* The Director of Public Works may remove, cause or order to be removed any street trees or parts thereof which are in an unsafe condition and constitute a hazard to life and property; which by reason of their nature are injurious to public utilities, facilities or public improvements; are affected with any injurious fungus, insect, pest or disease which constitutes a potential threat to other trees within the City.
 3. *Removal of Stumps.* All stumps of street trees shall be removed below the surface of the ground, so that the top of the stump does not project above the surface of the ground.

4. *Removal Penalty.* Unauthorized removal of a street tree without approval of a right-of-way permit shall be \$100 per caliper inch. If City staff cannot determine the diameter in. of the street tree removed, then the Director of Public Works shall make their best judgment in determining the diameter of the tree prior to removal.

B. *Planting Specifications.* Street trees shall adhere to the following specifications when planted, unless otherwise granted written permission from the Director of Public Works.

1. *Curb and Sidewalks.* No street tree shall be planted within 3 ft. of any curb or sidewalk.

2. *Fireplugs.* No street tree shall be planted within 10 ft. of any fireplug / fire hydrant.

3. *Overhead Utilities.* No street tree shall be planted under or within 10 ft. of any overhead utility wire or facility.

4. *Underground Utilities.* No street tree shall be planted within 5 ft. of any underground utility line or facility.

MAINTAINING PUBLIC RIGHT-OF-WAY

Did you know that both the City of Parkville and property owners have a shared responsibility in maintaining the public right of way?

WHAT IS A RIGHT-OF-WAY?

Right-of-way (ROW) means the surface of, and the space above and below, any public street, highway, bridge, land path, alley, sidewalk, public way or other public ROW including, but not limited to, public utility easements, for the purpose of constructing, operating and maintaining public facilities.

Public ROW extends to property lines typically 11-16 feet behind the curb or edge of the pavement. Obstructions of these passages limit accessibility and block the view of traffic signs, signals, vehicles and pedestrians.



RESPONSIBILITIES OF CITY AND PROPERTY OWNERS

CITY

- Construct and maintain public streets (including storm drains, streetlights and signs)
- Construct and repair curbs and sidewalks
- Maintain multi-use trails and pedestrian corridors within ROW
- Remove hazardous, dead or diseased trees
- Manage public uses and ensure they are not being interfered with

PROPERTY OWNERS

- Maintain private trees, vegetation and planting areas
- Pick up and dispose of leaves
- Keep clear of obstacles
- Maintain safe walking surface on sidewalks and remove ice, snow, dirt or other substances that obstruct/render sidewalk dangerous
- Maintain yards in ROW (e.g. mowing, weed control, leaf control, etc.)

GUIDELINES TO HELP KEEP RIGHT-OF-WAY CLEAR



SIDEWALKS

Limbs and vegetation must be trimmed back from the edge of and at least 8 feet above.



STREETS/ALLEYS

Limbs and vegetation must be trimmed back from the curb and at least 14 feet above.



GRASS & WEEDS

Must be maintained at maximum height of 12 inches of property and to edge of street/alley.



CORNERS

Vegetation within 10 feet from curb should be kept at height of two feet.



FIRE HYDRANT

Trees or plants must be removed from within five feet of fire hydrants.



GENERAL

Vegetation blocking signal lights and traffic signs must be trimmed or removed.



Application #: _____
Date Received: _____
Date Approved: _____
Permit #: _____

CITY OF PARKVILLE • 8880 Clark Avenue • Parkville, MO 64152 • (816) 741-7676 • FAX (816) 741-0013

Application for Right of Way Permit

Use of (storage of dumpsters, storage containers or similar) or work within (grading, cuts, tunnels, excavation or similar) the public right-of-way is regulated by Parkville Municipal Code. Accordingly, anyone proposing to use or work within the right-of-way shall submit the following application and obtain a right-of-way permit from the Parkville Public Works Department prior to commencement of that use or work.

1. Applicant / Contact Information

Applicant(s)

Name: _____
Company: _____
Address: _____
City, State, Zip: _____
Phone: _____ Fax: _____
Emergency #: _____
E-mail: _____

Alternative Contact

Name: _____
Phone: _____

Primary Contact(s), if not applicant

Name: _____
Company: _____
Address: _____
City, State, Zip: _____
Phone: _____ Fax: _____
Emergency #: _____
E-mail: _____

Alternative Contact

Name: _____
Phone: _____

I, the undersigned, do hereby authorize the submittal of this application and associated documents and certify that all information contained therein is true and correct. I do hereby agree to abide by and comply with all applicable Municipal Codes and conditions of approval. I understand that any violations shall constitute cause for issuance of fines and pursuit of civil remedies as may be applicable.

Applicant's Signature (Required) _____ **Date:** _____

2. Work Description Information

Location (may be attached): _____

Description (may be attached): _____

Projected work date/times(s): _____

Protective measures: _____



Application #: _____
Date Received: _____
Date Approved: _____
Permit #: _____

CITY OF PARKVILLE • 8880 Clark Avenue • Parkville, MO 64152 • (816) 741-7676 • FAX (816) 741-0013

3. Checklist of submittals required at time of application

- ☐ Completed application.
- ☐ Authorization signature of the applicant.
- ☐ Nonrefundable permit fee in the amount of \$10.00.
- ☐ **For ROW use only** – A map / diagram showing: the proposed location of the use and size of equipment; affected properties (by address or lot number); protective measures proposed.
- ☐ **For ROW construction only** – Plans and specifications showing all proposed work in the right-of-way including: a map / diagram showing the proposed locations, dimensions, depth and nature of any work; affected properties including address or lot number; method of notification; protective measures, including warning and safety devices; and method of filling and restoring the surface after work is completed.
- ☐ **For ROW construction only** - deposit or bond in the amount of \$500.00 for any cuts, tunnels or excavation in, through or under any street, sidewalk, alley or similar public place.
- ☐ **For ROW construction only** – a certificate of insurance naming the City as an additional insured with the following minimum coverage: comprehensive general liability/ personal injury coverage of \$100,000.00 each person and \$300,000.00 each occurrence; and property damage coverage of \$50,000.00 each accident and \$100,000.00 aggregate.

For City Use Only

Application accepted as complete by: _____ Date: _____

Required approvals, if applicable:

- ☐ **Public Works Director** (all): Action: _____ Date: _____
Conditions: _____

- ☐ **Police Department** (closures/public safety): Action: _____ Date: _____
Conditions: _____

- ☐ **Fire Department** (closures/public safety): Action: _____ Date: _____
Conditions: _____

- ☐ **Other** (____): Action: _____ Date: _____
Conditions: _____

- ☐ **Other** (____): Action: _____ Date: _____
Conditions: _____

- ☐ **Other** (____): Action: _____ Date: _____
Conditions: _____

Appendix B: Great Trees for the Kansas City Region

This guide shall be used to choose street tree and landscape materials. This list can be managed and supplemented by City Staff from time to time and administered through more specific landscape, street scape and site design recommendation through the development review process.

THE TREE LIST

GREAT TREES FOR THE KANSAS CITY REGION

AS RATED BY METROPOLITAN AREA EXPERTS

December 2013 revision

Study by Robert Whitman, ASLA, AICP, LEED AP

robert.whitman@gouldevans.com

ABOUT THIS STUDY:

Kansas City area tree experts were asked to provide numerical opinions (0-5 ratings) for 378 trees in four categories (Landscape Value, Street Tree Value, Cultural Adaptability, and Useful Lifespan). These ratings were averaged to determine the highest rated trees for each category.

PARTICIPANTS:

Michael Dougherty, Tree Management Company (913)894-8733

Dennis Patton, Johnson County Extension Agent

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Alan Branhagen, Director of Horticulture, Powell Gardens

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Chuck Conner, Forester, Missouri Department of Conservation

Kevin Smith, Forester, Johnson County Parks & Recreation (retired)

Cheryl Boyer, Assistant Professor, K-State Extension

Ivan Katzer, Consulting Arborist, (816)765-4241

Tim McDonnell, Forester, Kansas Forest Service

Scott Reiter, Linda Hall Library

Chip Winslow, FASLA, KSU Department of Landscape Architecture

Susan Mertz, Loma Vista Nursery, (913)897-7010

Robert Whitman, Landscape Architect, gouldevans

GREAT TREES FOR THE KANSAS CITY REGION

AS RATED BY METROPOLITAN AREA EXPERTS

Study by Robert Whitman, ASLA, AICP, LEED AP

December 2013 revision

LARGE TREES FOR THE LANDSCAPE (IN ORDER OF PREFERENCE OUT OF 218 TREES)

1. *Quercus alba* **White Oak**
2. *Quercus bicolor* **Swamp White Oak**
3. *Acer saccharum* 'Autumn Splendor' **Caddo Sugar Maple**
4. *Gymnocladus dioica* 'Expresso' **Kentucky Coffeetree**
5. *Acer x truncatum* 'Warrenred' **Pacific Sunset Maple**
6. *Acer saccharum* 'John Pair' **John Pair Caddo Maple**
7. *Ginkgo biloba* 'Autumn Gold' **Autumn Gold Ginkgo**
8. *Acer saccharum* 'Fall Fiesta' **Fall Fiesta Sugar Maple**
9. *Quercus macrocarpa* **Bur Oak**
10. *Quercus muehlenbergii* **Chinkapin Oak**
11. *Acer miyabei* 'Morton' **State Street Miyabe Maple**
12. *Taxodium distichum* 'Shawnee Brave' **Bald Cypress**
13. *Metasequoia glyptostroboides* **Dawn Redwood**
14. *Taxodium distichum* **Bald Cypress**
15. *Acer saccharum* 'Legacy' **Legacy Sugar Maple**
16. *Nyssa sylvatica* **Blackgum**
17. *Taxodium ascendens* **Pond Cypress**
18. *Ulmus propinqua* 'JFS Bieberich' **Emerald Sunshine Elm**
19. *Quercus shumardii* **Shumard Oak**
20. *Quercus rubra* **Red Oak**
21. *Ginkgo b.* 'Princeton Sentry' **Princeton Sentry Ginkgo**
22. *Acer x 'Keithsform'* **Norwegian Sunset Maple**
23. *Tilia tomentosa* 'Sterling' **Sterling Silver Linden**
24. *Quercus x wareii* 'Long' **Regal Prince Columnar Oak**
25. *Tilia americana* 'DTR 123' **Legend American Linden**
26. *Ulmus x 'Frontier'* **Frontier Elm**
27. *Quercus pagoda* **Cherrybark Oak**
28. *Quercus x 'Crimschmidt'* **Crimson Spire Col. Oak**
29. *Tilia tomentosa* **Silver Linden**
30. *Quercus stellata* **Post Oak**
31. *Zelkova serrata* 'Musashino' **Columnar Zelkova**
32. *Acer saccharum* 'Green Mountain' **Green Mt. Sugar Maple**
33. *Carpinus betulus* **European Hornbeam**
34. *Cladrastis kentukea* **Yellowwood**
35. *Ulmus parvifolia* 'Emerald Prairie' **Em. Prairie Lbk. Elm**
36. *Quercus lyrata* **Overcup Oak**
37. *Acer miyabei* **Miyabe Maple**
38. *Quercus prinus* **Chestnut Oak**
39. *Ulmus parvifolia* 'Allee' **Allee Lacebark Elm**
40. *Carpinus caroliniana* **American Hornbeam**
41. *Magnolia x acuminata* 'Butterflies' **Butterflies Magnolia**
42. *Quercus coccinea* **Scarlet Oak**
43. *Ulmus amer.* 'New Harmony' **New Harmony Amer. Elm**
44. *Eucommia ulmoides* **Hardy Rubber Tree**
45. *Ulmus americana* 'Princeton' **Princeton American Elm**
46. *Ulmus americana* 'Valley Forge' **Valley Forge Amer. Elm**
47. *Carpinus betulus* 'Frans Fontaine' **Columnar Hornbeam**
48. *Zelkova serrata* 'Village Green' **Village Green Zelkova**
49. *Maclura pomifera* 'White Shield' **Seedless Osage Orange**
50. *Aesculus x carnea* 'O'Neill's Red' **Red Horsechestnut**
51. *Ulmus parvifolia* 'Athena' **Athena Lacebark Elm**
52. *Zelkova serrata* 'Green Vase' **Green Vase Zelkova**
53. *Acer saccharum* **Sugar Maple**
54. *Tilia americana* 'McK Sentry' **American Sentry Linde**
55. *Ulmus x 'Morton Glossy'* **Triumph Elm**
56. *Fagus sylvatica* 'Atropunicea' **Purpleleaf Beech**

GREAT TREES FOR THE KANSAS CITY REGION

AS RATED BY METROPOLITAN AREA EXPERTS

LARGE STREET TREES (IN ORDER OF PREFERENCE OUT OF 218 TREES)

- | | |
|--|--|
| 1. <i>Quercus bicolor</i> Swamp White Oak | 26. <i>Ulmus a. 'Valley Forge'</i> Valley Forge American Elm |
| 2. <i>Tilia tomentosa</i> <i>'Sterling'</i> Sterling Silver Linden | 27. <i>Zelkova serrata</i> <i>'Musashino'</i> Columnar Zelkova |
| 3. <i>Tilia americana</i> <i>'DTR 123'</i> Legend American Linden | 28. <i>Zelkova serrata</i> <i>'Green Vase'</i> Green Vase Zelkova |
| 4. <i>Acer miyabei</i> <i>'Morton'</i> State Street Miyabe Maple | 29. <i>Quercus x Crimschmidt</i> Crimson Spire Columnar Oak |
| 5. <i>Taxodium d. 'Shawnee Brave'</i> Col. Bald Cypress | 30. <i>Ulmus parvifolia</i> <i>'Emerald Prairie'</i> Lacebark Elm |
| 6. <i>Ulmus prop. 'JFS Bieberich'</i> Emerald Sunshine Elm | 31. <i>Quercus texana</i> Nuttall Oak |
| 7. <i>Ulmus x 'Frontier'</i> Frontier Elm | 32. <i>Tilia americana</i> <i>'McKsentry'</i> American Sentry Linden |
| 8. <i>Ginkgo biloba</i> <i>'Autumn Gold'</i> Autumn Gold Ginkgo | 33. <i>Ulmus parvifolia</i> <i>'Allee'</i> Allee Lacebark Elm |
| 9. <i>Acer x trunc. 'Keithsform'</i> Norwegian Sunset Maple | 34. <i>Ulmus x 'Morton Glossy'</i> Triumph Elm |
| 10. <i>Acer x truncatum</i> <i>'Warrenred'</i> Pacific Sunset Maple | 35. <i>Ulmus x 'Patriot'</i> Patriot Elm |
| 11. <i>Gymnocladus dioicus</i> <i>'Espresso'</i> Kentucky Coffeetree | 36. <i>Taxodium ascendens</i> Pond Cypress |
| 12. <i>Quercus shumardii</i> Shumard Oak | 37. <i>Quercus macrocarpa</i> Bur Oak |
| 13. <i>Ginkgo b. 'Princeton Sentry'</i> Princeton Sentry Ginkgo | 38. <i>Quercus coccinea</i> Scarlet Oak |
| 14. <i>Quercus buckleyi</i> Texas Red Oak | 39. <i>Gleditsia triacanthos</i> <i>'Imperial'</i> Imperial Honeylocust |
| 15. <i>Quercus x wareii</i> <i>'Long'</i> Regal Prince Col. Oak | 40. <i>Ulmus parvifolia</i> <i>'Athena'</i> Athena Lacebark Elm |
| 16. <i>Quercus lyrata</i> Overcup Oak | 41. <i>Acer saccharum</i> <i>'John Pair'</i> John Pair Caddo Maple |
| 17. <i>Ulmus americana</i> <i>'Princeton'</i> Princeton Amer. Elm | 42. <i>Gleditsia triacanthus</i> <i>'Skyline'</i> Skyline Honeylocust |
| 18. <i>Quercus alba</i> White Oak | 43. <i>Zelkova serrata</i> <i>'Village Green'</i> Village Green Zelkova |
| 19. <i>Ulmus americana</i> <i>'New Harmony'</i> New Harmony Elm | 44. <i>Acer saccharum</i> <i>'Fall Fiesta'</i> Fall Fiesta Sugar Maple |
| 20. <i>Acer saccharum</i> <i>'Autumn Splendor'</i> Caddo Sugar Maple | 45. <i>Acer saccharum</i> <i>'Legacy'</i> Legacy Sugar Maple |
| 21. <i>Quercus rubra</i> Red Oak | 46. <i>Metasequoia glyptostroboides</i> Dawn Redwood |
| 22. <i>Maclura pomifera</i> <i>'White Shield'</i> Seedls. Osage Orange | 47. <i>Quercus prinus</i> Chestnut Oak |
| 23. <i>Quercus muehlenbergii</i> Chinkapin Oak | 48. <i>Taxodium distichum</i> Bald Cypress |
| 24. <i>Eucommia ulmoides</i> Hardy Rubber Tree | 49. <i>Ulmus x 'Morton'</i> Accolade Elm |
| 25. <i>Platanus x acerifolia</i> <i>'Bloodgood'</i> Bloodgood Planetree | 50. <i>Acer miyabei</i> Miyabe Maple |

LOWEST RATED COMMONLY USED TREES (IN ORDER OF LEAST PREFERENCE OUT OF 371 TREES)

- | | |
|---|---|
| 1. <i>Pyrus calleryana</i> <i>'Bradford'</i> Bradford Pear | 6. <i>Acer ginnala</i> Amur Maple |
| 2. <i>Acer saccharinum</i> Silver Maple | 7. <i>Crataegus viridis</i> <i>'Winter King'</i> Green Hawthorn |
| 3. <i>Prunus cerasifera</i> <i>'Newport'</i> Newport Plum | 8. <i>Robinia pseudoacacia</i> <i>'Purple Robe'</i> Black Locust |
| 4. <i>Populus deltoides</i> Cottonwood | 9. <i>Liquidambar styraciflua</i> <i>'Rotundiloba'</i> Sweetgum |
| 5. <i>Fraxinus</i> Green & White Ash | 10. <i>Acer rubrum</i> Red Maple |

GREAT TREES FOR THE KANSAS CITY REGION

AS RATED BY METROPOLITAN AREA EXPERTS

MOST CULTURALLY ADAPTABLE TREES FOR KC (OUT OF 371 TREES)

- | | |
|---|---|
| 1. <i>Ulmus americana</i> 'New Harmony' New Harmony Elm | 22. <i>Acer x freemanii</i> 'Autumn Blaze' Autumn Blaze Maple |
| 2. <i>Quercus macrocarpa</i> Bur Oak | 23. <i>Quercus shumardii</i> Shumard Oak |
| 3. <i>Ulmus x 'Morton Glossy'</i> Triumph Elm | 24. <i>Quercus muehlenbergii</i> Chinkapin Oak |
| 4. <i>Quercus bicolor</i> Swamp White Oak | 25. <i>Celtis occidentalis</i> Hackberry |
| 5. <i>Ulmus propinqua</i> 'JFS Bieberich' Emerald Sunshine Elm | 26. <i>Ginkgo b.</i> 'Princeton Sentry' Princeton Sentry Ginkgo |
| 6. <i>Ulmus x 'Patriot'</i> Patriot Elm | 27. <i>Platanus x acerifolia</i> 'Bloodgood' Bloodgood Planetree |
| 7. <i>Maclura pomifera</i> 'White Shield' Fruitless Osage Orange | 28. <i>Acer x freemanii</i> 'Armstrong' Armstrong Col. Maple |
| 8. <i>Quercus x wareii</i> 'Long' Regal Prince Columnar Oak | 29. <i>Quercus lyrata</i> Overcup Oak |
| 9. <i>Taxodium d.</i> 'Shawnee Brave' Columnar Bald Cypress | 30. <i>Acer miyabei</i> 'Morton' State Street Miyabe Maple |
| 10. <i>Plataus occidentalis</i> Sycamore | 31. <i>Malus</i> Coral Burst & Adirondack Crabapple |
| 11. <i>Gymnocladus dioicus</i> 'Expresso' Kentucky Coffeetree | 32. <i>Quercus buckleyi</i> Texas Red Oak |
| 12. <i>Taxodium distichum</i> Bald Cypress | 33. <i>Euonymus bunganus</i> Winterberry Euonymus |
| 13. <i>Ulmus x 'Morton'</i> Accolade Elm | 34. <i>Taxodium ascendens</i> Pond Cypress |
| 14. <i>Acer truncatum</i> Shantung Maple | 35. <i>Malus</i> Japanese & Professor Springer Crabapple |
| 15. <i>Quercus imbricaria</i> Shingle Oak | 36. <i>Quercus rubra</i> Red Oak |
| 16. <i>Ginkgo biloba</i> 'Autumn Gold' Autumn Gold Ginkgo | 37. <i>Ulmus a.</i> 'Valley Forge' Valley Forge American Elm |
| 17. <i>Tilia tomentosa</i> 'Sterling' Sterling Silver Linden | 38. <i>Gleditsia triacanthos</i> Honeylocust |
| 18. <i>Ulmus x 'Frontier'</i> Frontier Elm | 39. <i>Acer campestre</i> Hedge Maple |
| 19. <i>Acer x trunc.</i> 'Keithsform' Norwegian Sunset Maple | 40. <i>Corylus columna</i> Turkish Hazel |
| 20. <i>Acer x truncatum</i> 'Warrenred' Pacific Sunset Maple | 41. <i>Malus</i> Donald Wyman & Mary Potter Crabapple |
| 21. <i>Tilia americana</i> 'DTR 123' Princeton Amer. Linden | 42. <i>Acer saccharum</i> 'A.S.' Autumn Splendor Caddo Maple |

LONGEST LIVED TREES (IN ORDER OF USEFUL LIFESPAN, OUT OF 371 TREES)

- | | | |
|--|---|--|
| 1. <i>Quercus macrocarpa</i> Bur Oak | 10. <i>Ginkgo biloba</i> Ginkgo | 19. <i>Metasequoia glyp.</i> Dawn Redwood |
| 2. <i>Quercus muehlenbergii</i> Chinkapin Oak | 11. <i>Ulmus americana</i> Amer. Elm cultiv. | 20. <i>Quercus palustris</i> Pin Oak |
| 3. <i>Quercus alba</i> White Oak | 12. <i>Platanus x acer.</i> London Planetree | 21. <i>Quercus coccinea</i> Scarlet Oak |
| 4. <i>Quercus bicolor</i> Swamp White Oak | 13. <i>Platanus occidentalis</i> Sycamore | 22. <i>Carya</i> Hickory & Pecan |
| 5. <i>Quercus rubra</i> Red Oak | 14. <i>Maclura pomifera</i> Osage Orange | 23. <i>Quercus pagoda</i> Cherrybark Oak |
| 6. <i>Quercus stellata</i> Post Oak | 15. <i>Quercus prinus</i> Chestnut Oak | 24. <i>Quercus robur</i> English Oak |
| 7. <i>Juglans nigra</i> Black Walnut | 16. <i>Quercus imbricaria</i> Shingle Oak | 25. <i>Ulmus X</i> Elm Hybrids |
| 8. <i>Quercus lyrata</i> Overcup Oak | 17. <i>Quercus shumardii</i> Shumard Oak | 26. <i>Acer</i> Pac. & Nor. Sunset Maples |
| 9. <i>Taxodium dist.</i> Bald Cypress | 18. <i>Gymnocladus dioicus</i> K. Coffeetree | 27. <i>Catalpa speciosa</i> Northern Catalpa |

GREAT TREES FOR THE KANSAS CITY REGION

AS RATED BY METROPOLITAN AREA EXPERTS

SMALL TREES FOR THE LANDSCAPE (IN ORDER OF PREFERENCE OUT OF 153 TREES)

- | | |
|---|--|
| 1. <i>Acer griseum</i> Paperbark Maple | 14. <i>Malus 'Royal Raindrops'</i> Royal Raindrops Crab |
| 2. <i>Acer truncatum</i> Shantung Maple | 15. <i>Cercis canadensis</i> Redbud |
| 3. <i>Cornus kousa</i> Kousa Dogwood | 16. <i>Cornus florida</i> White Flowering Dogwood |
| 4. <i>Chionanthus virginicus</i> White Fringetree | 17. <i>Magnolia virginiana</i> Sweetbay Magnolia |
| 5. <i>Aesculus pavia</i> Red Buckeye | 18. <i>Amelanchier 'Autumn Brilliance'</i> Apple Serviceberry |
| 6. <i>Hamamelis virginiana</i> Witch Hazel | 19. <i>Heptacodium miconioides</i> Seven-son Flower |
| 7. <i>Acer palmatum 'Bloodgood'</i> Red-leaf Jap. Maple | 20. <i>Cornus controversa 'June Snow'</i> June Snow Dogwood |
| 8. <i>Chionanthus retusus</i> Chinese Fringetree | 21. <i>Parrotia persica</i> Persian Parrotia |
| 9. <i>Cercis reniformis 'Oklahoma'</i> Oklahoma Redbud | 22. <i>Magnolia x 'Jane'</i> Jane Magnolia |
| 10. <i>Syringa reticulata 'Ivory Silk'</i> Japanese Tree Lilac | 23. <i>Malus 'Adirondack'</i> Adirondack Crabapple |
| 11. <i>Acer buergerianum</i> Trident Maple | 24. <i>Malus 'Velvet Pillar'</i> Columnar Crabapple |
| 12. <i>Acer triflorum</i> Three-Flowered Maple | 25. <i>Cornus mas</i> Corneliancherry Dogwood |
| 13. <i>Malus sargentii</i> Sargent Crabapple | 26. <i>Ostrya virginiana</i> Ironwood/Hophornbeam |

SMALL STREET TREES (IN ORDER OF PREFERENCE OUT OF 153 TREES)

- | | |
|--|---|
| 1. <i>Acer truncatum</i> Shantung Maple | 9. <i>Syringa pekinensis 'China Snow'</i> Chinese Tree Lilac |
| 2. <i>Zelkova serrata 'Schmidtlow'</i> Wireless Zelkova | 10. <i>Acer griseum</i> Paperbark Maple |
| 3. <i>Acer buergerianum</i> Trident Maple | 11. <i>Malus 'Adirondack'</i> Adirondack Crabapple |
| 4. <i>Syringa reticulata 'Ivory Silk'</i> Japanese Tree Lilac | 12. <i>Acer tartaricum</i> Tartarian Maple |
| 5. <i>Malus 'Velvet Pillar'</i> Columnar Crabapple | 13. <i>Parrotia persica</i> Persian Parrotia |
| 6. <i>Maackia amurensis</i> Amur Maackia | 14. <i>Prunus padus 'Drietre'</i> Merlot Bird Cherry |
| 7. <i>Ostrya virginiana</i> Ironwood/Hophornbeam | 15. <i>Malus 'Royal Raindrops'</i> Royal Raindrops Crab |
| 8. <i>Koelreuteria paniculata</i> Golden Raintree | 16. <i>Crataegus ambigua</i> Russian Hawthorn |

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 Alan Branhagen, Director of Horticulture, Powell Gardens
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 Bob Haines, Arborist, Shade Masters (913)522-1810
 Dan Simmons, Show-Me Horticulture, (816)277-6601
 Mark Young, Country Club Tree Service (816)333-7220
 Chuck Conner, Forester, Missouri Department of Conservation

Kevin Smith, Forester, Johnson County Parks & Rec.reation
 Cheryl Boyer, Assistant Professor, K-State Extension
 Ivan Katzer, Consulting Arborist, (816)765-4241
 Tim McDonnell, Forester, Kansas Forest Service
 Scott Reiter, Linda Hall Library
 Chip Winslow, FASLA, KSU Department of Landscape Architecture
 Susan Mertz, Loma Vista Nursery, (913)897-7010
 Robert Whitman, Landscape Architect, goulddevans

THE TREE LIST

EVERGREEN TREES FOR THE KANSAS CITY REGION

AS RATED BY METROPOLITAN AREA EXPERTS

December 2013 revision

Study by Robert Whitman, ASLA, AICP, LEED AP

robert.whitman@gouldevans.com

ABOUT THIS STUDY:

In 2012 & 2013, Kansas City region tree experts were asked to provide numerical opinions (0-5 ratings) in each category for evergreen trees they have tested/observed from a master list of 154 evergreen trees. These ratings were averaged to determine the tree ratings for each category.

PARTICIPANTS:

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Marvin Snyder, Past President, American Conifer Society

Scott Reiter, Linda Hall Library

Duane Hoover, Horticulturist, Kauffman Memorial Garden

Chip Winslow, FASLA, KSU Department of Landscape Architecture

Kim Bomberger, Community Forester, Kansas Forest Service

Robert Whitman, Landscape Architect, gouldevans

Alan Branhagen, Director of Horticulture, Powell Gardens

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Cameron Rees, Skinner Garden Store, (785)233-9657

Mic Mills, Rosehill Gardens, (816)941-4777

Dennis Patton, Johnson County Extension Agent

Jason Griffin PhD, KSU John C. Pair Horticultural Center

EVERGREEN TREES FOR THE KANSAS CITY REGION

AS RATED BY METROPOLITAN AREA EXPERTS

December 2013 revision

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Tested for KC	Height x Width (ft.)	Evergreen Tree name	Use as specimen	Use in buffer or as massing	Culturally adaptable	Heavy Soils	Drought Tolerant	Lifespan	Comments
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PINE

✓✓✓	15x9	<i>Pinus aristata</i> - Bristlecone Pine	😞	😱	😞	😱	😊	😞	Needs excellent drainage, dislikes KC humidity
✓	35x20	<i>Pinus ayacahuite</i> - Mexican White Pine	😐	😊	😊	😊	😊	?	Limited experience, but shows promise
✓✓	35x22	<i>Pinus banksiana</i> - Jack Pine	😱	😱	😊	😊	😊	😞	Pine wilt when under stress
✓✓	25x18	<i>Pinus bungeana</i> - Lacebark Pine	😊	😊	😊	😞	😊	😊	Excellent performer with interesting bark
✓	22x11	<i>Pinus cembra</i> - Swiss Stone Pine	😊	😞	😞	😱	😞	?	Limited local success, slow grower
✓✓	30x20	<i>Pinus densiflora</i> - Japanese Red Pine	😊	😞	😊	😊	😊	😞	Some local success, very open habit
✓✓	14x12	<i>Pinus densiflora</i> 'Umbraculifera' - Tabletop Pine	😊	😞	😊	😊	😊	😞	Some local success, interesting flattop specimen
✓✓✓	30x17	<i>Pinus flexilis</i> 'Vanderwolf's' - Limber Pine	😊	😊	😊	😊	😊	😊	Green-blue color, can get needle blight
✓	35x20	<i>Pinus koraiensis</i> - Korean Pine	😊	😊	😊	😊	😊	?	Loose form, some local success
✓	28x15	<i>Pinus leucodermis</i> - Bosnian Pine	😊	😊	😊	😞	😊	?	Some local success, black pine replacement
✓✓✓	12x14	<i>Pinus mugo</i> - Mugo Pine	😞	😱	😊	😊	😊	😊	Variation in size, pine wilt and scale problems
✓	12x7	<i>Pinus mugo</i> 'Tannenbaum' - Tannenbaum Pine	😊	😞	😊	😊	😊	?	Attractive form, small pine alternative
✓✓✓	55x30	<i>Pinus nigra</i> - Austrian Pine	😱	😱	😞	😊	😊	😱	Severe diplodia tip blight, short lived
✓✓	35x19	<i>Pinus parviflora</i> - Japanese White Pine	😞	😞	😞	😊	😊	😊	Attractive pine, some local success
✓✓✓	50x30	<i>Pinus ponderosa</i> - Ponderosa Pine	😱	😞	😞	😞	😊	😊	Pine tip moth, fungal problems
✓✓	40x18	<i>Pinus resinosa</i> - Red Pine	😱	😞	😱	😊	😞	😱	Too hot in KC for this pine
✓✓	40x25	<i>Pinus strobiformis</i> - Southwestern White Pine	😊	😊	😊	😞	😊	😊	Performs well here and SW of KC
✓✓✓	60x30	<i>Pinus strobus</i> - Eastern White Pine	😞	😊	😊	😊	😞	😊	Drought susceptible, chlorosis, good pine
✓✓✓	45x16	<i>Pinus strob.</i> 'Fastigiata' - Columnar White Pine	😊	😊	😊	😊	😞	😊	Same as species but better for narrow sites
✓✓✓	45x25	<i>Pinus sylvestris</i> - Scotch Pine	😱	😱	😞	😊	😊	😱	Pine wilt & root nematode, European sawfly
✓	50x25	<i>Pinus taeda</i> - Loblolly Pine	😱	😞	😞	😊	😊	?	Cold, ice and high pH can cause problems
✓✓	25x15	<i>Pinus thunbergiana</i> - Japanese Black Pine	😞	😱	😞	😊	😞	😞	Salt tolerant, ice damage, pine wilt
✓	30x15	<i>Pinus wallichiana</i> - Himalayan Pine	😞	😊	😞	😊	😞	?	Needs more testing

PARTICIPANTS:

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SPRUCE

✓✓✓	60x30	<i>Picea abies</i> – Norway Spruce	😊	😊	😊	😊	😊	😊	Tough and proven spruce for KC
✓✓✓	27x10	<i>Picea abies</i> 'Cupressina' – Upright Norway Spruce	😊	😊	😊	😊	😊	😊	Narrow and fast growing spruce
✓✓✓	22x15	<i>Picea abies. v. pendula</i> – Weeping Norway Spruce	😊	😊	😊	😊	😊	😊	Many specimen application options
✓✓	30x14	<i>Picea breweriana</i> – Brewer's Spruce	😞	😞	😞	😞	😞	😞	Tested with many failures
✓	30x16	<i>Picea engelmannii</i> – Engelmann Spruce	😊	😞	😊	😊	😊	?	Not tolerant of KC heat or humidity
✓✓	40x20	<i>Picea glauca</i> – White Spruce	😊	😊	😞	😊	😞	😊	Poor heat tolerance
✓✓✓	30x18	<i>Picea glauca</i> 'Densata' – Black Hills Spruce	😊	😊	😊	😊	😊	😊	Slow growing but performs well, dense form
✓✓	18x4	<i>Picea glauca</i> 'Pendula' – Weeping White Spruce	😊	😞	😊	😊	😊	😊	Great specimen, good upright leader
✓✓	20x9	<i>Picea mariana</i> 'Columnar' – Columnar Black Spruce	😊	😊	😊	😞	😞	😊	Blue-green foliage, slow growing
✓✓	20x7	<i>Picea mariana</i> 'Wellspire' – Columnar Black Spruce	😊	😊	😊	😞	😞	😊	Upright form, soft needles, green color
✓✓	40x16	<i>Picea omorika</i> – Serbian Spruce	😊	😊	😊	😊	😊	😊	Blue-green color, performs well in irrigation
✓✓	25x10	<i>Picea omorika</i> 'Bruns' – Bruns Serbian Spruce	😊	😊	😊	😊	😊	😊	More narrow than species
✓✓	22x8	<i>Picea omorika</i> 'Pendula' - Weeping Serbian Spruce	😊	😊	😊	😊	😊	😊	Very attractive weeping specimen
✓✓✓	25x12	<i>Picea omorika</i> 'Riverside' Upright Serbian Spruce	😊	😊	😊	😊	😊	😊	Nice form with green color
✓	25x15	<i>Picea orientalis</i> - Oriental Spruce	😊	😊	😊	😊	😊	?	Tiny needles
✓✓	18x8	<i>Picea orientalis</i> 'Deer Run' - Deer Run Spruce	😊	😊	😊	😊	😊	😊	Blue color, slow growing
✓	18x9	<i>P. orientalis</i> 'Skylands' – Yellow Oriental Spruce	😊	😊	😊	😊	😊	?	Yellow needles fade to green, will scorch
✓✓✓	45x20	<i>Picea pungens</i> – Colorado Spruce	😊	😊	😊	😞	😊	😊	Not heat or drought tolerant, green needles
✓✓✓	45x20	<i>Picea pungens v. glauca</i> – Colorado Blue Spruce	😊	😊	😊	😞	😊	😊	Same as species, but blue color
✓✓✓	40x18	<i>Picea pungens</i> 'Kosteri' – Koster Blue Spruce	😊	😊	😊	😞	😊	😊	Blue color, not uniform or dense
✓	15x8	<i>Picea pungens</i> 'Baby Blue Eyes' – Baby Blue Eyes Spr.	😊	😊	😊	😞	😊	?	Tidy, small mature size
✓✓	25x14	<i>Picea pungens</i> 'Bakeri' – Bakeri Spruce	😊	😊	😊	😞	😊	😊	Good blue color
✓✓✓	20x9	<i>Picea pungens</i> 'Blue Totum' – Col. Blue Spruce	😊	😊	😊	😞	😊	😊	Good blue color, snow/ice load is problem
✓✓	20x10	<i>Picea pungens</i> 'Fastigiata' - Col. Blue Spruce	😊	😊	😊	😞	😊	😊	Good blue color, snow/ice load is problem
✓✓✓	20x15	<i>Picea pungens</i> 'Fat Albert' – Fat Albert Blue Spruce	😊	😊	😊	😞	😊	😊	Excellent blue color and form
✓✓✓	30x16	<i>Picea pungens</i> 'Hoopsii' – Hoopsii Blue Spruce	😊	😊	😊	😞	😊	😊	Bluest spruce, more open form

ARBORVITAE

✓✓✓	25x15	<i>Thuja occidentalis</i> – Eastern Arborvitae	😞	😊	😊	😊	😞	😊	Needs irrigation, snow loads are a problem
✓✓	18x4	<i>T. occ.</i> 'Degroot's Spire' – Degroot's Spire Arborvitae	😊	😊	😞	😊	😞	😊	Best cultivar, otherwise same as species, slow
✓✓✓	16x6	<i>T. occidentalis</i> 'Smaragd' – Emerald Green Arborvitae	😞	😊	😞	😊	😞	😞	Overplanted and unloved by experts
✓✓	20x7	<i>Thuja occidentalis</i> 'Techny' – Techny Arborvitae	😞	😊	😞	😊	😞	😞	Poor performer, slow growing
✓✓✓	35x15	<i>Thuja x</i> 'Green Giant' – Green Giant Arborvitae	😊	😊	😊	😊	😞	😊	Fast grower, drought problems, deer resistant
✓✓	25x12	<i>Thuja x</i> 'Spring Grove' – Spring Grove Arborvitae	😊	😊	😊	😊	😞	😊	Less vigorous than Green Giant, but similar
✓✓✓	25x15	<i>Thuja orientalis</i> – Oriental Arborvitae	😞	😊	😊	😊	😊	😊	Toughest arborvitae for challenging KC

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JUNIPER

✓	20x12	<i>Juniperus chinensis</i> 'Wintergreen' - Wintergreen Juniper	😞	😊	😐	😊	😊	?	Dense rich green
✓✓	16x9	<i>Juniperus chinensis</i> 'Blue Point' - Blue Point Juniper	😐	😊	😐	😊	😊	😊	Teardrop shape, blue-green color
✓✓	25x14	<i>J. chinensis</i> 'Columnaris Glauca' - Upright Blue Jun.	😞	😊	😐	😊	😊	😞	Narrow, loose habit, silver-grey color
✓✓✓	16x9	<i>Juniperus chinensis</i> 'Hetzi Columnaris' - Hetz Juniper	😞	😊	😊	😊	😊	😊	Green, heavy attractive cone production
✓✓	13x5	<i>Juniperus chinensis</i> 'Iowa' - Iowa Juniper	😞	😊	😊	😊	😊	😞	Green with blue tint, loose form
✓✓✓	20x13	<i>Juniperus chinensis</i> 'Keteleerii' - Keteleerii Juniper	😞	😊	😊	😊	😊	😊	Green with loose form, interesting unsheared
✓✓✓	20x12	<i>Juniperus chinensis</i> 'Perfecta' - Perfecta Juniper	😞	😊	😊	😊	😊	😊	Natural freshly sheared look
✓✓	18x9	<i>Juniperus chinensis</i> 'Robusta Green' - Upright Juniper	😞	😊	😊	😊	😊	😊	Green, tufted form, slightly irregular
✓✓✓	20x9	<i>Juniperus chinensis</i> 'Spartan' - Spartan Juniper	😊	😊	😊	😊	😊	😊	Green, dense and narrow
✓	20x18	<i>Juniperus rigida</i> - Temple Juniper	😊	😊	😊	😊	😊	?	Green, slightly weeping branchlets
✓✓	25x13	<i>J. scopulorum</i> 'Blue Haven' - Blue Haven Juniper	😱	😞	😞	😱	😱	😱	Blue, striking color, heavy cone production
✓✓✓	20x7	<i>Juniperus scopulorum</i> 'Skyrocket' - Skyrocket Juniper	😱	😱	😱	😞	😊	😱	Blue, very narrow, poor performer
✓✓✓	18x8	<i>Juniperus scopulorum</i> 'Welchii' - Welch Juniper	😱	😱	😱	😱	😊	😱	Silvery blue-green, compact and dense
✓✓✓	20x10	<i>J. scopulorum</i> 'Wichita Blue' - Wichita Blue Juniper	😱	😞	😱	😞	😊	😱	Brilliant bright blue, poor performer
✓✓✓	40x25	<i>Juniperus virginiana</i> - Eastern Red Cedar	😞	😊	😊	😊	😊	😊	Our only native and most durable evergreen
✓✓✓	30x15	<i>J. virginiana</i> 'Glauca' - Silver Eastern Red Cedar	😞	😊	😊	😊	😊	😊	Silver hue and very durable
✓	15x5	<i>Juniperus virginiana</i> 'Blue Arrow' - Blue Arrow Juniper	😞	😊	😊	😊	😊	?	More narrow than 'Glauca', not as durable
✓✓	25x14	<i>Juniperus virginiana</i> 'Burkii' - Blue Burkii Juniper	😞	😊	😊	😊	😊	😊	Steel-blue color, lacks interesting cones
✓✓✓	25x15	<i>Juniperus virginiana</i> 'Canaertii' - Canaert Juniper	😊	😊	😊	😊	😊	😊	Attractive lumpy form, proven durability
✓✓	20x12	<i>Juniperus virginiana</i> 'Cupressifolia' - Hillspire Juniper	😞	😊	😊	😊	😊	😊	Green, keeps winter color, durable
✓✓	23x10	<i>J. virg.</i> Emerald Sentinel - Emerald Sentinel Juniper	😞	😊	😊	😊	😊	😊	Dark green color
✓	20x8	<i>J. virginiana</i> 'Prairie Sentinel' - Prairie Sentinel Juniper	😞	😊	😊	😊	😊	?	Grey-green color, slower grower
✓✓	18x5	<i>Juniperus virginiana</i> 'Taylor' - Taylor Upright Juniper	😊	😊	😊	😊	😊	😊	Italian cypress look, durable, species color

FIR / YEW

✓	40x18	<i>Abies balsamea</i> - Balsam Fir	😱	😱	😱	😱	😱	?	Poor performance in KC
✓✓	45x25	<i>Abies concolor</i> - White Fir	😊	😱	😱	😱	😱	😞	Beautiful, needs excellent drainage, variable
✓✓	25x14	<i>Abies concolor</i> 'Candicans' - Candicans Fir	😊	😱	😱	😱	😱	😞	White-blue color very impressive
✓	30x16	<i>Abies fraseri</i> - Fraser Fir	😱	😞	😱	😱	😱	?	Very few good trees in KC, many failures
✓	30x20	<i>Abies homolepis</i> - Nikko Fir	😊	😞	😱	😊	😱	?	Very few good trees in KC, many failures
✓	15x6	<i>Abies koreana</i> - Korean Fir	😊	😱	😱	😊	😱	?	Heat and drought sensitive
✓	35x16	<i>Abies nordmanniana</i> - Nordman Fir	😊	😞	😞	😊	😊	?	Very few good trees, but shows promise
✓✓	40x20	<i>Pseudotsuga menziesii</i> - Douglas Fir	😞	😞	😞	😱	😞	😊	Very few nice older specimens in KC
✓✓✓	20x14	<i>Taxus cuspidata</i> 'Capitata' - Pyramidal Japanese Yew	😊	😞	😊	😱	😞	😞	Great evergreen for shade, needs drainage
✓✓✓	15x9	<i>Taxus x media</i> 'Hicksii' - Hicks Upright Yew	😞	😊	😊	😞	😊	😊	More upright/round form than Cap Yew

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MISC. NEEDLED EVERGREENS

✓	30x14	<i>Calocedrus decurrens</i> – Incense-Cedar	😊	😞	😞	😊	😊	?	Does well in SW KS, but not tested in KC
✓✓	30x16	<i>Cedrus atlantica</i> 'Glaucous' – Blue Atlas Cedar	😊	😞	😊	😞	😊	😞	Nice specimen if winters stay mild
✓	30x15	<i>C. deodara</i> 'Karl Fuchs' – Blue Himalayan Cedar	😊	😞	😞	😞	😊	?	Blue fades to grey, cold tolerant
✓	25x12	<i>Cedrus deodara</i> 'Electric Blue' – Blue Him.Cedar	😊	😞	😞	😞	😊	?	More dense, less cold tolerant than 'K.Fuchs'
✓	30x25	<i>Cedrus libani</i> v. <i>stenocoma</i> – Cedar of Lebanon	😊	😞	😞	😞	😊	?	Not holding up in KC, no thriving old trees
✓	18x9	<i>Chamaecyparis lawsoniana</i> – Lawson Falsecypress	😊	😞	😞	😊	😞	?	Interesting horizontal twig structure
✓✓	24x10	<i>Chamaecyparis nootkatensis</i> – Weeping Alaska Cedar	😊	😞	😞	😊	😞	😊	Interesting specimen, doing well in KC
✓✓	12x8	<i>Cham. pisifera</i> 'Filifera' – Japanese Falsecypress	😊	😞	😊	😊	😞	😊	Internal needles die but can be trimmed
✓✓	15x9	<i>Cham. pisifera</i> 'Boulevard' - Blvd. Falsecypress	😊	😞	😊	😊	😞	😊	Can look a bit rough with age, but does well
✓	35x20	<i>Cryptomeria japonica</i> – Japanese Cedar	😞	😞	😞	😞	😊	?	Very few surviving trees in KC
✓	30x14	<i>Cupressus arizonica</i> – Arizona Cypress	😞	😞	😞	😞	😊	?	Seed source/cultivar is important
✓	20x7	<i>C. arizonica</i> 'Cook's Peak' – Cook's Peak-Cypress	😞	😞	😊	😞	😊	?	Appears to be cold hardy, blue foliage
✓	25x10	<i>Cupressus arizonica</i> 'Blue Ice' – Blue Ice Cypress	😊	😞	😞	😞	😊	?	Blue foliage, cold hardiness in question
✓✓	25x10	<i>Sciadopitys verticillata</i> – Japanese Umbrella Pine	😊	😞	😞	😞	😞	😞	Very slow, needs winter shade, needs love
✓	30x15	<i>Sequoiadendron giganteum</i> – Giant Redwood	😞	😞	😞	😞	😞	?	Not suited for KC's climate
✓	30x15	<i>Seq. giganteum</i> 'Hazel Smith' – Giant Redwood	😊	😞	😞	😞	😞	?	Blue color, hates KC humidity, but can survive
✓✓✓	45x25	<i>Tsuga canadensis</i> – Canadian Hemlock	😞	😞	😞	😞	😞	😞	Needs winter wind protection and good soil

HOLLY/MAGNOLIA (BROADLEAF EVERGREENS ONLY)

✓✓✓	20x12	<i>Ilex x attenuata</i> 'Fosteri' – Foster's #2 Holly	😊	😊	😊	😞	😞	😞	Needs winter wind protection
✓✓✓	20x12	<i>Ilex x attenuata</i> 'Greenleaf' – Greenleaf Holly	😊	😊	😞	😞	😞	😞	Chlorosis, needs winter wind protection
✓✓✓	8x7	<i>Ilex x</i> 'Blue Maid' – Blue Maid Holly	😞	😞	😊	😞	😞	😞	Needs winter wind protection
✓✓	14x7	<i>Ilex x</i> 'Centennial Girl' – Centennial Girl Holly	😞	😊	😊	😞	😞	😞	Needs winter wind protection
✓	14x6	<i>Ilex x</i> 'Dragon Lady' – Dragon Lady Holly	😞	😞	😞	😞	😞	?	Rare to succeed in KC
✓✓	6x5	<i>Ilex x</i> 'Honey Maid' – Honey Maid Holly	😞	😞	😞	😞	😞	😞	Creamy white leaf margin, often fails
✓	9x5	<i>Ilex x meserveae</i> 'Hackenfee' - Castle Spire Holly	😊	😊	😊	😞	😞	?	Good fruit production, needs male in area
✓	9x5	<i>Ilex x meserveae</i> 'Hackenstar' - Castle Wall Holly	😊	😊	😊	😞	😞	?	Male pollinator for 'Castle Spire'
✓	18x9	<i>Ilex x</i> 'Nellie R. Stevens'– Nellie Stevens Holly	😞	😞	😞	😞	😞	?	Needs shelter, but often killed to ground
✓✓✓	35x18	<i>Ilex opaca</i> – American Holly	😊	😊	😊	😞	😞	😊	Species is variable, but many old specimens
✓	20x15	<i>Ilex penunculosa</i> – Longstock Holly	😞	😞	😞	😊	😞	?	Not heat or drought tolerant
✓	10x5	<i>Ilex x</i> 'Rutzan' – Red Beauty Holly	😊	😊	😊	😞	😞	?	Tough holly with excellent fruit production
✓	40x20	<i>Magnolia grandiflora</i> 'DD Blanchard' Magnolia	😊	😊	😊	😊	😊	?	Large flowers, seems superior to 'Bracken's'
✓✓✓	30x20	<i>Magnolia grandiflora</i> 'Bracken's Brown' Magnolia	😊	😊	😊	😊	😊	😊	No protection needed, heavy snow breakage
✓✓	35x25	<i>Magnolia grandiflora</i> 'Edith Bogue' Magnolia	😊	😊	😊	😊	😊	😞	More hardy than 'Bracken's'
✓✓	25x12	<i>M. virginiana</i> 'Jim Wilson'–Moonglow Sweetbay Mag.	😊	😊	😊	😊	😊	😊	Holds some foliage thru winter, fragrant
✓✓✓	25x14	<i>Magnolia virginiana</i> v. <i>australis</i> –Sweetbay Magnolia	😊	😊	😊	😊	😊	😊	Tolerates wet sites, needs winter moisture

**CITY OF PARKVILLE
Policy Report**

Date: November 22, 2023

Prepared By:
Brittanie Propes, Parks & Recreation Director

Reviewed By:

ISSUE:
US Army Corps of Engineers Wetlands Update and Water Source Recommendation

BACKGROUND:

BUDGET IMPACT:

ALTERNATIVES:

STAFF RECOMMENDATION:

POLICY:

SUGGESTED MOTION:

ATTACHMENTS:

1. 231115_Parkville Bottoms presentation_pumps (1)
2. Letter from Resident David Dods
3. Attachment from David Dods
4. Attachment 2 from David Dods

PARKVILLE BOTTOMS WETLAND – SUPPLEMENTARY WATER SUPPLY OPTIONS

Leigh Mitchell
Project Manager
Kansas City District



U.S. ARMY



US Army Corps
of Engineers®



WELL PLACEMENT

Must be at least 50 feet from existing Missouri American Water wells

Preference is to locate the well on the northern side of the wetland (slightly shallower groundwater table)

Well could also be placed between Wetland A and Wetland B

What type of well?

- 5 inch well casing (either iron or PVC depending on pump option chosen)
- Approximately 50 feet deep (depends on the final location chosen and requirements for the pump system – ground water is 17-20 feet).





SOLAR PUMP

Cost: approximately \$8k

Installation: USACE - \$1-5K

Yield: up to 470GPH, but only operates during the day and much lower yield during overcast weather

Lifespan: approx. 5 years

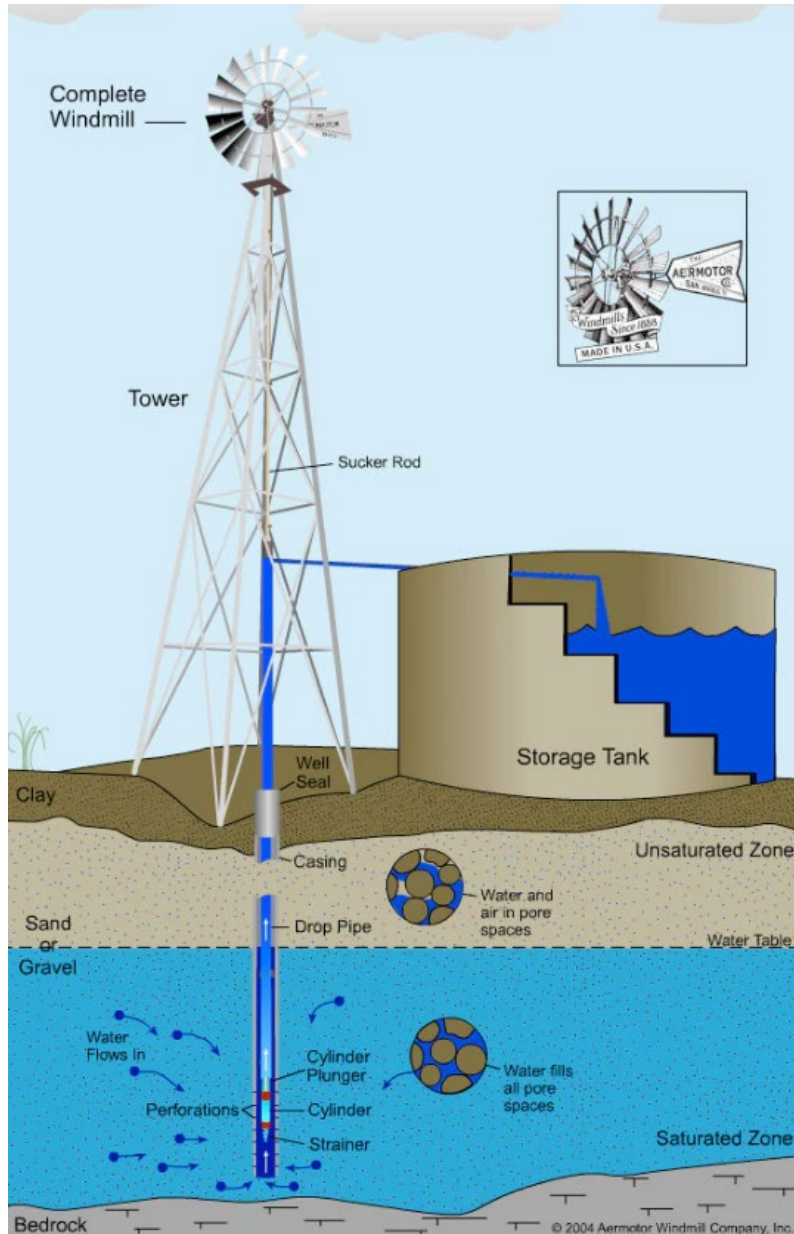
Maintenance: low - would require specialist input.

Other benefits: low footprint, no tower, quiet.





WINDMILL



Cost: approximately \$12-14k (8-10' wheel diameter, 27' tower and 3" pump cylinder)

Installation: USACE - \$5-7K

Yield: up to 370GPH – will be less during low wind, but will operate night and day (as long as there is wind!) –

Lifespan: over 20 years

Maintenance: low – annual input and replacement of 'leathers' – City may be able to conduct own maintenance (farmers do!)

Other benefits: low footprint, easy operation/maintenance, visual feature, simple mechanical operation, American made.

Considerations: very low chance of bird injury, but not zero; some noise; climbing hazard?



USACE REQUEST

1. Direction on well location – what outcome is the City most wanting?
2. City preference on pump type – wind or solar?
3. Security requirements – is fencing required? What type and how high?



Whole wetland

Evaporation rate: 36inches from May-Oct (3')

Area of wetland: 16 acres

Volume evaporated: 48 acre/feet

Gallons: 15,630,000 gallons

Adjusted for lake conditions: 10,941,000 gallons

Small section south of path

Evaporation rate: 36inches from May-Oct (3')

Area of wetland: 1.62 acres

Volume evaporated: 4.86 acre/feet

Gallons: 1,583,636 gallons

Adjusted for lake conditions: 1,108,545 gallons

Windmill production

Production rate: average 400GPH

Overall production May - Oct: 1,728,000 - gallons



David Dods
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Parkville, MO 64152
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daviddods@zohomail.com

November 25, 2023

Brittanie Propes, CPRE
Parks and Recreation Director
City of Parkville
8880 Clark Ave
Parkville, MO 64152

Re: Parkville Bottoms Wetlands
11/21/23 Presentation by USACE
Supplemental Water Supply Well Location

Brittanie,

Thank you for sharing the Power Point file from the November 11, 2023 presentation by the U.S. Army Corps of Engineers (USACE) on a supplemental water supply for the wetlands. I would like to share a few thoughts for your consideration on the topic.

Attached are two files with graphics on the wetlands. I hope they help illustrate site features to consider for locating a water supply well and operating the wetlands. The first includes an aerial photo showing features of the wetlands and photographs of recent construction activities. The second describes the soil types and depth to groundwater beneath the wetlands.

Key Wetlands Features

Several features will affect how water moves between the wetland basins and how Parkville staff can operate and manage the basins in the future.

- There are two major wetland basins, and one minor basin.
 - The largest basin is on the north side of the trail. Note that the USACE constructed a berm across the north basin towards the western end. That effectively divides it into two pools.
 - The second largest basin is on the south side of the trail.
 - The minor basin is the small pool at the far east end of the wetlands. A pipe runs from Rush Creek to that basin because it was originally intended to be the point where water would be pumped from the creek into the wetland system.

- There are three pipes beneath the trail connecting the basins. One is from the small basin on the far east end to the north basin. Two others connect the south basin to the north basin; one is located on each side of the berm in the north basin.
- Each pipe has a water level control structure attached to it, called Agri Drain structures (the manufacturer's name). A photo of one is in the first attachment. They are essentially plastic boxes with removable slats in the front that allow you to adjust the water level in the basin behind them.
- The pipes and water level control boxes affect how water will move between the basins. When water is pumped from Rush Creek to the small basin on the far east end, water from that basin can drain into the east side of the north basin. For water to get from the east side to the west side of the north basin, it will have to flow through the pipes under the trail and through the south basin. The water level control structures will prevent water from flowing through the south basin unless all the slats are removed from each box.
- The Agri Drain boxes allow you to set different water levels in different basins. This is helpful for several purposes. You can adjust water levels as new vegetation is being established. Small plants don't tolerate deep water as well as mature plants, so you gradually raise water levels in the basins as new vegetation grows in. You can also set different water levels in different basins for habitat, vegetation, or wildlife preferences.
- I think the locations of the pipes and water level control structures makes it advantageous to locate the supplemental water supply well on the south side of the wetlands.

Well Location

Personally, I would be inclined to locate the supplemental water supply well so that it pumps water to the south basin, not the north. That should give you the most flexibility in distributing water between the wetland basins.

The pipe from Rush Creek fills the small basin on far east end. Water from that location can flow into the east half of the north basin, but it will not reach the west end of the north basin due to the berm that was constructed to divide the north basin into two pools. If the supplemental well fills the basin on the south side of the trail, water from that location can be directed into either half of the north basin because there are two pipes under the trail from the south basin.

There are multiple commercial water wells operated by Missouri American Water in the vicinity of the wetlands. Three are located to the southeast of the wetlands and one to the southwest. I'd stay away from the east wells because the water table could be drawn down lower near them due to the number of wells. So, I would locate the well for the wetlands approximately equidistant between the Missouri American wells to the southeast and southwest.

Also stay far enough away from the tree line to the west to provide good wind if a windmill is used.

Consider that the well will need an access path for future maintenance, and that can be shorter if the well is located on the south side of basins rather than on the north side of the north basin.

There may be space to locate the well along the south side of the trail. However, my first inclination would be to locate it on the south side of the basin as shown in the illustration. I'm thinking it might be less prone to vandalism if it is located farther from the trail, but I'm not sure of this point.

Solar vs. Windmill Operated Pump

The river valley periodically floods so flood resilience would be my primary consideration in choosing between a solar or wind operated system. I would encourage you to discuss with the USACE which system is less likely to be damaged and easier to restore after a flood event. At some point the well location will be under several feet of flood water (I remember the 1993 flood when water was half way up Main Street in downtown Parkville).

The concern is not just the above-ground structure (solar panel or windmill). Flood waters can potentially drain into the plumbing and down into the well, depending on construction. If that were to occur the water may carry silt or mud into the well. Discuss with the USACE which type of pump system would be easier to take apart and restore if that were to occur, and whether the well and piping can be designed to prevent backflow down the well.

Well Depth

The Power Point file provided by Leigh Mitchell (USACE project manager) says the well will be 25 feet deep. In a conversation after the meeting, he told us it would be 50 feet deep. Please confirm with him that it will be 50 feet deep as 25 feet is too shallow.

See the second attachment for information on groundwater levels and soil types beneath the wetlands. Water wells in Missouri are registered with the Missouri Department of Natural Resources (MDNR). On their website I was able to find records of three wells currently or historically operated in the vicinity of the wetlands project. I copied the information from those records into the second attachment.

Those records indicated that the depth to groundwater is 17 to 21 feet. The pump will be set several feet above the bottom of the well so if the well is only 25 feet deep there may not be enough water to pump at that depth. The water table elevation can also go up and down over the years so a 25 ft deep well could potentially go dry.

Further, the well records show the soil types encountered during drilling. For example, note in Well 2 that clay to sandy silt was encountered in the top 25 feet, but sand and gravel were encountered between 25 to 50 feet. Those materials will produce more water. Well 3 is similar; clay to clayey sand was encountered in the top 25 feet, and silty sand to sand was encountered at deeper depths. A 50 foot deep well will have much greater chance of providing abundant water.

Freezing Considerations

When the last polar vortex came through two winters ago, I saw problems with a water discharge line freezing at the point of discharge. That made me think that you might discuss with the USACE whether the piping from the well will allow the city to shut off and drain the lines before deep freeze events.

Vegetation Establishment

I spoke to Leigh Mitchell briefly after the meeting about establishing vegetation in the basins once earthwork is completed. He indicated that the USACE has biology staff ready to help with that planning. When you are ready to discuss that stage of work with the USACE I would appreciate the opportunity to hear the plans.

There are several considerations beyond what to plant where. Control of invasive species before and after planting will be very important. For example, the basins are surrounded by Johnson grass which is very aggressive. It will be important for the USACE to address that in their project area, and also important for Parkville to address it in the adjoining property that the city maintains. The Missouri Department of Conservation staff that you have been consulting with can provide guidance on how to control it in areas maintained by the city.

I hope this is helpful. If you have any questions, please feel free to email or call me.

Best regards,

A handwritten signature in dark ink, appearing to read "David Dods", with a stylized flourish at the end.

David Dods

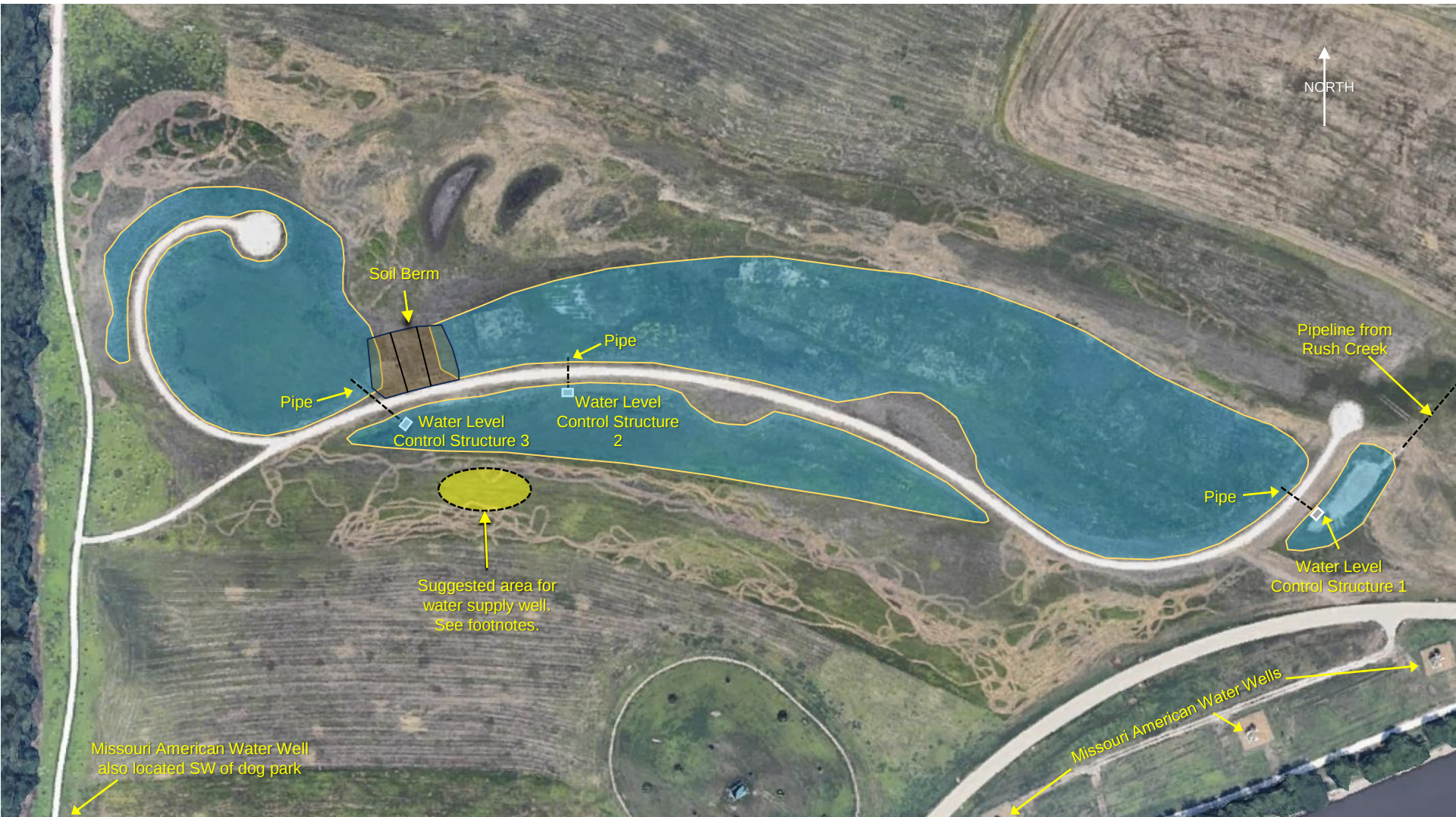
daviddods@zohomail.com

cell: 816-716-3385

Platte Landing Wetlands Location



Platte Landing Wetlands Features



Suggested location for water supply well: Stay equally distant from Missouri American water wells to SE and SW.

Stay far enough from the tree line on west for wind availability.

Requires only a short access road from the existing path for maintenance access.

The south basin can be filled from this point, then the water level control structures allow water to be directed into either half of the north basin.



August 21, 2023. Removing surface soil.
North basin, looking northeast.



September, 2023. Placing clay over the wetland basins.
Underlying soil is on the left, clay on the right.
North basin, looking northeast.



November 11, 2023. Sand is present beneath large areas of the basins.
South basin, looking west.



October 21, 2023. Clay has been spread across the bottom of the wetland. North basin, looking northeast.



October 29, 2023. After a rain storm. Central trail, looking east.

Water level control structure – made by Agri Drain Co.

It is attached to the pipe that crosses under the trail between the south and north basins.



The lid can be removed, allowing water to spill over the top and into the pipe.

There are 5 removable slats on the front (called “stop logs”). Each is about 6” tall. You can adjust the water level by removing one or more of these.

South basin, looking north.

Water wells are recorded with the Missouri Department of Natural Resources.

Some of the drilling records are available online. Three were found in Platte Landing Park.

They provide information on the soils and depth to groundwater in the vicinity of the wetlands.

**MISSOURI**
DEPARTMENT OF
NATURAL RESOURCES

**OGI**

Missouri Department of Natural Resources GIS

Water Wells

**DNR GIS**
Missouri Department of Natural Resources

[View Full Details](#)
[Download](#)

Details

**Dataset**
Feature Layer

**February 2, 2022**
Info Updated

**February 2, 2022**
Data Updated

**June 29, 2020**
Published

**Records**
[View data](#)

**Public**
Anyone

**Custom**
[View license](#)

Loading...





Map showing the location of three water wells (1, 2, and 3) near the Wetlands and Dog Park. Well 3 is highlighted with a photo inset showing a water tower structure.

Well 1

Water Well



OBJECTID	28583997
SHAPE	undefined
WELL_ID	207,427
REF_NUM	00063687
CERT_NUM	A028872
WELL_TYPE	Public
WELL_STAT	Active
WELL_NAME	null
DATE_COMPL	December 21, 1992
BUSINESS_	MO CITIES WATER CO
OWNER_FN	null
OWNER_MI	null
OWNER_LN	null
OWNER_ADD1	101 EAST 1ST STR
OWNER_ADD2	null
OWNER_CITY	PARKVILLE
OWNER_ST	MO
OWNER_ZIP	64152
TOTAL_DPTH	86
DEPTH_GW	null
SWL	17
WELL_YIELD	2,254
CASING_LEN	80
CASING_MAT	Steel
LINER_LEN	0
LINER_MAT	null
LINER_USE	null

Not much information is recorded for this well.

Installed 1992

Depth 86 feet

Surface water level 17 feet. This is probably the depth to water

Well 2

Water Well



OBJECTID	28657352
SHAPE	undefined
WELL_ID	283,213
REF_NUM	00482599
CERT_NUM	A200254
WELL_TYPE	Public
WELL_STAT	Active
WELL_NAME	null
DATE_COMPL	July 15, 2017
BUSINESS_	MISSOURI AMERICAN WATER COMPANY C/O
TOTAL_DPTH	86.3
DEPTH_GW	21.2
SWL	21.2
WELL_YIELD	2,100
CASING_LEN	82
CASING_MAT	Steel
LINER_LEN	0
LINER_MAT	null
LINER_USE	null
ADDED_BY	null

Depth of Boring
86.3 feet

Depth to Groundwater
21.2 feet

Water Well



FROM_1	0
TO_1	10
FORM_1	STY BRN CLY
FROM_2	10
TO_2	25
FORM_2	VRY FN SND SLT
FROM_3	25
TO_3	35
FORM_3	VRY FN TO MED SND
FROM_4	35
TO_4	40
FORM_4	MED TO CRS SND
FROM_5	40
TO_5	42
FORM_5	FN MED SND GRVL
FROM_6	42
TO_6	45
FORM_6	MED TO CRS GRVL
FROM_7	45
TO_7	47
FORM_7	FN TO MED SND
FROM_8	47
TO_8	50
FORM_8	CRS SND GRVL
FROM_9	50
TO_9	52
FORM_9	FN CRS SND GRVL
FROM_10	52
TO_10	55
FORM_10	VRY CRS SND GRVL
WELL_INST_ID	239,244

Soils Encountered During Drilling:

0 – 10 feet:
Silty brown clay

10 – 25 feet:
Very fine sandy silt

25 - 35 feet:
Very fine to medium sand

35 - 40 feet:
Medium to coarse sand

40 - 42 feet:
Fine to medium sandy gravel

42 - 45 feet:
Medium to coarse gravel

45 - 47 feet:
Fine to medium sand

47 - 50 feet:
Coarse sandy gravel

50 - 52 feet:
Fine to coarse sandy gravel

52 - 55 feet:
Very coarse sandy gravel

Well 3

Water Well	
OBJECTID	28433687
SHAPE	undefined
WELL_ID	51,272
REF_NUM	00543009
CERT_NUM	A200402
WELL_TYPE	Public
WELL_STAT	Active
WELL_NAME	null
DATE_COMPL	February 17, 2019

BUSINESS_	MISSOURI AMERICAN WATER COMPANY C/O ROGER SPARKS
OWNER_FN	null
OWNER_MI	null
OWNER_LN	null
OWNER_ADD1	10530 NW FF HIGHWAY
OWNER_ADD2	null
OWNER_CITY	PARKVILLE
OWNER_ST	MO

OWNER_ZIP	64152
SITE_NAME	PLATTE LANDING PARK WELL NO 8
SITE_ADD1	null
SITE_ADD2	null
SITE_CITY	null
SITE_ST	MO
SITE_ZIP	null
TOTAL_DPTH	130
DEPTH_GW	21.2
SWL	21.1
WELL_YIELD	3,500
CASING_LEN	84
CASING_MAT	Steel
LINER_LEN	0
LINER_MAT	null
LINER_USE	null
ADDED_BY	null
CONT_PRMT	001560

Depth to Groundwater
21.2 feet

CONT_FN	TIMOTHY
CONT_LN	KELLY
DRILL_PRMT	004306
DRILLER_FN	SAM
DRILLER_LN	TRIPP
FROM_1	0
TO_1	10
FORM_1	CLY
FROM_2	10
TO_2	15
FORM_2	CLY W SND
FROM_3	15
TO_3	25
FORM_3	SND W CLY
FROM_4	25
TO_4	40
FORM_4	SND W SLT
FROM_5	40
TO_5	70
FORM_5	FN MED SND
FROM_6	70
TO_6	101.5
FORM_6	SND W GRVL
FROM_7	101.5
TO_7	126.5
FORM_7	FN CRS SND
FROM_8	126.5
TO_8	132.5
FORM_8	SND W GRVL
FROM_9	132.5
TO_9	132.5
FORM_9	BD RX
FROM_10	null
TO_10	null
FORM_10	null

Soils Encountered During Drilling:

0 – 10 feet:
Clay

10 – 15 feet:
Clay with sand

15 – 25 feet:
Sand with clay

25 - 40 feet:
Sand with silt

40 – 70 feet:
Fine to medium sand

70 – 101.5 feet:
Sand with gravel

101.5 – 126.5 feet:
Fine to coarse sand

126.5 – 132.5 feet:
Sand with gravel



CITY OF PARKVILLE • 8880 Clark Avenue • Parkville, MO 64152 • (816) 741-7676 • FAX (816) 741-0013

CITY OF PARKVILLE Memorandum

Date: November 3, 2023

To: Community Land and Recreation Board

From: Tom Barnard

CC: Brittanie Propes

October Parks Activity Report:

The following Parks-related activities took place during October 2023:

- Tree saplings/Shrubs picked up at Swope Park for Parkville Nature Sanctuary
- Cruise night setup / barricades/ trash cans
- Weed trimming performed along the PAC building and sidewalk
- Roundrail fence repair east end of ELP
- Newly planted trees mulched
- Batteries changed out in air fresheners at ELP/PLP restrooms.
- Urinal cakes replaced
- Dog Stations stocked weekly
- Young trees watered 3x weekly
- MAW trees around water wells in stress/insufficient.
- A-truss pre-con meeting – ELP
- Parks staff attended Chainsaw Safety Course
- Controlled brush burn in PLP performed
- CORPS work ongoing in PLP wetlands.
- Trail maintenance around Grigsby Field and trail outskirts of S. Twin Trail performed.
- World Polio Day – Oct. 24th A-Truss lights Red/Yellow
- Soap dispensers ripped off walls at ELP. New ones purchased/replaced.
- Port-potties tipped over
- 2 Trash cans found in river / recovered.
- Wildflower ground preparation- North bank of Rush Creek
- Picnic tables to PNS for Ghost Stories
- Winterization - Blowouts performed in English Landing Park shelters – freezing temps
- Parking lot islands dethatched – prepped for dormant grass seeding.
- MDC Community Forester meeting, scope of work validated for grant proposal.
- Mowing - Small Parks, ELP, PLP, ROW - Hwy 9 Entry Sign, Hwy 9 bridge/ornamental fencing, Depot, Hwy 9/Main St. point. 1 way split on Main St, PAC, Hwy 45, vacant lot Main St.



October 2023 Work Report
Parkville Nature Sanctuary

Kristen Bontrager

Programming: Pumpkin Carving was successful with estimated more than 150 visitors participating in the fun event. Staff and volunteers met on site at 1:30 PM to begin the pumpkin gutting process. Visitors began arriving at 6:00 PM and by 7:45 PM all 250 pumpkins were gutted and carved ready to light up the trail!

Staff and volunteers spent over 24 hours preparing for and setting up for Ghost Stories in the freezing rain. After consulting with Police Department, Parks Director, and National Weather we had to make the very difficult and unfortunate decision to cancel the event. All volunteers, vendors, and performers were contacted. Staff will form a committee for Ghost Stories for 2024 and one of our objectives will be to have a weather contingency plan. We will communicate the weather plan in our marketing so visitors will be prepared with appropriate expectations.

Trail Maintenance: hosted a volunteer work day on Oct. 6th at Sullivan Nature Sanctuary. PNS partnered with A Good Oak, Deep Roots, Missouri Department of Conservation, and the Platte County Prosecutors office. We installed 54 native trees and shrubs, 107 native grasses and sedges, mulched the base of all the trees, and watered all the trees. Staff water all the plants every day for two weeks following the installation. Deep Roots hosted a webinar on this work day on their "Lunch and Learn" series and you can watch it here, <https://youtu.be/XVuYKlbV40w> or visit their website deeprootskc.org > Learn How > Previously in This Series > Episode 34 CommuniTree Supported Regenerative Forestry.

Urban Tree Specialists donated several truckloads of mulch for our work day.

Sheep have been on site at Sullivan consuming a lot of invasive species such as Japanese Hops and the non-invasive Poison Ivy which is a critical plant to keep off of trails to keep our visitors safe.

Discussions to have sheep moved to PNS in November.

FOPNS: Calendar are officially printed and ready for sale. See FOPNS website to purchase. Officers to be elected to replace outgoing President, Vice President, and Treasurer. FOPNS board to set-up in November at Turkey Trot registration to sell calendars. FOPNS new president, Dan Day will meet with me in November.

Professional Development: no updates. Scheduled a winter dendrology class through MDC November 28th and MDC burn certification course in December.

Volunteers: Volunteers met for many Ghost Stories meetings, Ghost Stories set-up, and our work day. Volunteer meetings for Ghost Stores including meeting about "Lil Goblins Hour", Haunted Trail meetings, and general set-up/ day of tasks. Volunteer hours also include the folks who came out to help us prepare/ clean-up for pumpkin carving.

Dan Krull and Jacob Canyon with A Good Oak spent several hours every day volunteering while sheep were on site at Sullivan removing invasive species and clearing trails, and installing native plants/ seed.

Current Volunteer Hours PNS only:

Month	Hours this month	Total hours
January	20	20
February	21	41
March	71	112
April	126	238
May	84	322
June	106	428
July	172	600
August	23	623
September	46	669
October	230	899
November		
December		



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ITEM 5.D.

For 11/29/2023

Community Land and Recreation Board Meeting

CITY OF PARKVILLE

Policy Report

Date: October 17, 2023

Prepared By:

Reviewed By:

ISSUE:

Special Events

BACKGROUND:

BUDGET IMPACT:

ALTERNATIVES:

STAFF RECOMMENDATION:

POLICY:

SUGGESTED MOTION:

ATTACHMENTS:

1. Parkville Special Events 2023 Master List

250+	Event Name	Date	Start Time	End Time	Type	Location	
	New Years Day 1/2 Marathon	Sunday, January 1, 2023			Race	ELP	Bodies Race Company
	Recycling Event	Saturday, February 4, 2023			Event	PLP	
	Recycling Event	Saturday, April 1, 2023			Event	PLP	
	Photos w/the Easter Bunny	Saturday, April 8, 2023			Program	Barkville	
	Music at Pocket Park	Friday, April 14, 2023			Program	Pocket Park	
	Earth Day Event	Saturday, April 15, 2023			Program	PNS	
	Climate Council Earth Festival Bus	Saturday, April 15, 2023			Program	PLP	Climate Council
***	Microbrew Fest	Saturday, April 22, 2023			MSPA	ELP	MSPA
	River Park Church Service	Sunday, April 23, 2023			Church	ELP	River Park Church
	Tree Planting for Arbor Day	Tuesday, April 25, 2023			Program	Sullivan NS	
	Music at Pocket Park	Saturday, April 29, 2023			Program	Pocket Park	
	Healthy Kids Day P&R Table	Saturday, April 29, 2023			Program	PCCCS	Parkville YMCA
	Farmers Market Opening Day	Saturday, April 29, 2023			Event	ELP Parking Lot	Farmers Market
	Missouri Beef Ceremony with Governor	Thursday, May 4, 2023			Event	Pocket Park/KC Cattle	KC Cattle/Missouri Beef Association
	AWLF 5K Race	Saturday, May 6, 2023			Race	ELP	
	Cruise Night	Saturday, May 6, 2023			MSPA	ELP	MSPA
***	School of Rock Performance	Sunday, May 7, 2023			Event	ELP	School of Rock
	Beaver Builder Program	Saturday, May 13, 2023			Program	PNS	Tinkergarten
	Mothers Day 5K	Saturday, May 13, 2023			Race	ELP	Equal Start
	River Park Church Service	Sunday, May 14, 2023			Church	ELP	River Park Church
	Symphony in the Park	Tuesday, May 16, 2023			Program	ELP	KC Symphony
	Guided PNS Tour for Park Hill Students	Wednesday, May 17, 2023			Program	PNS	Park Hill School District
	Tours for Argh & Argh Event	Wednesday, May 17, 2023	11am	1pm	Program	PNS	Park University
	Park Hill Senior Fun Day	Thursday, May 18, 2023	9am	2pm	Event	ELP	Park Hill School District
	DAR Little Library Ceremony	Saturday, May 20, 2023	10am	11am	Program	ELP	White Allee Creek DAR
***	River Park Church Service	Sunday, May 21, 2023	7am	2pm	Church	ELP	River Park Church
	Union Chapel Career on Wheels	Wednesday, May 24, 2023	9:30am	1:30pm	Program	Union Chapel Elementary	Union Chapel Elementary
***	Memorial Day Event	5/26/2023-5/28/2023	ALL	DAY	Event	ELP	CID
***	Costco Company Picnic	Monday, May 29, 2023	11am	9pm	Event	ELP	Costco
***	Strong Like Lisa 5K	Saturday, June 3, 2023	7am	Noon	Race	ELP	
	Rolling on the River Bike Ride	Saturday, June 3, 2023	9am	Noon	Program	ELP	
	Recycling Event	Saturday, June 3, 2023	8am	12:30pm	Event	PLP	
	Cruise Night	Saturday, June 3, 2023	2pm	8pm	MSPA	ELP	MSPA
	Midwest Walk Run Roll 5K	Sunday, June 4, 2023	7am	2pm	Race	ELP	SRNA
	Nature Camp	June 6 - June 9, 2023	9am	Noon	Program	PNS	
	Movie Night	Saturday, June 10, 2023	6pm	9pm	Program	Outdoor Community space at Cr	
	Midwest Tree Climbing Competition	Thursday, June 8, 2023	8am	4pm	Event Setup	ELP	Midwest International Society of Aborigulture
	Midwest Tree Climbing Competition	Friday, June 9, 2023	8am	4pm	Event Setup	ELP	Midwest International Society of Aborigulture
***	Midwest Tree Climbing Competition	Saturday, June 10, 2023	7am	8pm	Event	ELP	Midwest International Society of Aborigulture
***	Midwest Tree Climbing Competition	Sunday, June 11, 2023	7am	8pm	Event	ELP	Midwest International Society of Aborigulture
	Symphony in the Park	Tuesday, June 20, 2023	6pm	7pm	Concert	ELP	KC Symphony
	River Park Church Service	Sunday, June 18, 2023	7am	2pm	Church	ELP	River Park Church
	Music at Pocket Park	Friday, June 23, 2023	5pm	7pm	Program	Pocket Park	Maddie Lamb and Band
***	Bodies 1/2 Marathon	Saturday, June 24, 2023	5am	11am	Race	ELP	Bodies Race Company
	River Park Church Service	Sunday, July 2, 2023	7am	2pm	Church	ELP	River Park Church
	Star Spangled Banner Event	Saturday, July 1, 2023	4pm	11pm	Event	Farmers Market Lot	Eco Lovers Market
***	4th of July Parade and Event	Tuesday, July 4, 2023	8am	10pm	MSPA	ELP Parking Lot	MSPA
	Music on Main Street TBD	Saturday, July 8, 2023			MSPA	Pocket Park	MSPA
	Yoga and Nature Hike	7/11, 7/18, 7/25	9am	10am	Program	PNS	
	Storytime in the Park	7/10, 7/17, 7/24, 7/31	10am	11am	Program	ELP- West Shelter	Mid Continent Public Library
	Art in the Park	7/5, 7/12, 7/19, and 7/26	10am	11am	Program	ELP- East Shelter	Mantooth Creative
	Thai Chi/Senior Program	7/6, 7/13, 7/20, 7/27	9am	10am	Program	ELP	
	Science in the Park	7/7, 7/14, 7/21, 7/28	10am	11am	Program	ELP- West Shelter	HCA & Stan
	Scottish Highland Games	Saturday, July 15, 2023	9am	5pm	Event	PLP	Scottish Athletics
	River Park Sports Camp	7/18, 7/19, 7/20, 7/21	5pm	9pm	Event	PLP	River Park Church
	Movie Night	Saturday, July 8, 2023	6pm	9pm	Program	Outdoor Community space at Creekside	
	Music at Pocket Park	Friday, July 21, 2023	6pm	9pm	Program	Pocket Park	
	Recycling Event	Saturday, August 5, 2023	8am	12:30pm	Event	PLP	
	Cruise Night	Saturday, August 5, 2023	2pm	8pm	MSPA	ELP	MSPA
***	Hearts for RMHC 5K10K	Sunday, August 27, 2023	5am	Noon	Race	ELP	
***	Parkville Days	8/18/2023-8/20/2023	8am	10pm	MSPA	ELP Parking Lot	MSPA
	Cruise Night	Saturday, September 2, 2023	2pm	8pm	MSPA	ELP Parking Lot	MSPA
	Trek 4 Patriots	Sunday, September 3, 2023	8am	2pm	Race	ELP	
***	Paws in the Park	Saturday, September 9, 2023	5am	1pm	Event	ELP	FOPAS
***	KC Infertility Race	Sunday, September 10, 2023	6am	1pm	Race	ELP	
	Symphony in the Park	Tuesday, September 12, 2023	7pm	8pm	Event	ELP	
	Strawberry Swing Festival	Saturday, September 16, 2023	11am	5pm	MSPA	ELP Parking Lot	MSPA
***	Walk Like MADD	Saturday, September 16, 2023	6am	2pm	Race	ELP PLP	Mothers Against Drunk Driving
***	Seize the Day 5k	Sunday, September 17, 2023	6am	Noon	Race	ELP PLP	Seize the Day
	River Park Church Block Party Event	Saturday, September 23, 2023	8am	4pm	Event	ELP	
	Rally in the Alley	Saturday, September 23, 2023	10am	6pm	Event	Main Street Alley	Legion Fundraiser Event
	River Park Church Service	Sunday, September 24, 2023	8am	2pm	Event	McKeon Stage and Green Space	
***	Bretts Band 5k	Saturday, September 30, 2023	8am	4pm	Race	ELP PLP	Brett's Band SUDEP Awareness
	Value Unconditional 5K	Saturday, October 1, 2023	8am	2pm	Race	ELP PLP	Kathleen Fisher Enyeart
***	Park Hill Education Foundation 5k	Saturday, October 7, 2023	6am	10am	Race	ELP PLP	Park Hill Educational Foundation
	Recycling Event	Saturday, October 7, 2023	8am	12:30pm	Event	PLP	
	River Park Church Service	Sunday, October 8, 2023	8am	4pm	Event	ELP	
2.5.5	Barktober -CANCELED	Saturday, October 14, 2023	8am	2pm	Event	ELP	Pet-Rescue-Remodel
	Dani Beyer Real Estate Pumpkin Patch	Sunday, October 15, 2023			Event	McKeon Stage	Dani Beyer Real Estate
	Symphony in the Park	Sunday, October 15, 2023	6pm	7pm	Event	ELP	
	Jude Matthew 5K	Saturday, October 21, 2023	6am	12pm	Race	ELP PLP	Jude Matthew Foundation
	River Park Church Service	Sunday, October 22, 2023	8am	4pm	Event	ELP	
	Pumpkin Carving	Thursday, October 26, 2023	4pm	8pm	Program	ELP	
	Ghost Stories	Saturday, October 28, 2023	4pm	9pm	Program	PNS	
***	Duckers & Fishers Wedding	Saturday, October 28, 2023	2pm	6pm	Event	McKeon Stage & West Shelter	Private Wedding
	Pumpkin Compost Event	Saturday, November 4, 2023	10am	2pm	Event	PLP Parking Lot	KC Can Compost
	Embassy Landscaping Fun Run	Saturday, November 4, 2023	8am	1pm	Race	ELP	Embassy Landscaping
	Veterans Day 5K	Saturday, November 11, 2023	8am	2pm	Race	ELP	
	Park Hill South STUCO Race	Saturday, November 18, 2023	8am	2pm	Race	ELP	Park Hill South Student Council
***	Turkey Trot	Thursday, November 23, 2023	7am	Noon	Race	ELP	
	Small Business Saturday Event	Saturday, November 25, 2023	12pm	8pm	MSPA	Main Street Alley	MSPA
	Dog Paws and Santa Claus	Saturday, November 25, 2023	1pm	3pm	Event	Barkville	

***	Christmas on the River	Friday, December 1, 2023	8am	10pm	MSPA	ELP Parking Lot	MSPA
	Winter Wonderland	Saturday, December 16, 2023	9am	1pm	Program	PNS	
	Bodies Time Travelers Race	Sunday, December 31, 2023	6am	12pm	Race	ELP	