INVITATION FOR BID

The City of Antigo will accept sealed bids tree planting.

Bids will be accepted until Wednesday, March 1, 2023 at 10:00 am

Bids can be submitted online or at City Hall: https://www.antigo-city.org/antigo-city-bids-quotes-rfps/

Please refer any questions to:

Telephone: 715.623.3633 extension-131 or e-mail: srepp@antigo-city.org

The City of Antigo reserves the right to reject any or all bids and to accept the bid deemed the most advantageous to the City of Antigo.



City of Antigo
Park and Recreation Department
700 Edison Street, Antigo, WI 54409
715.623.3633 extension-131 • www.antigo-city.org

TREE PURCHASE AND PLANTING SPECIFICATIONS

Pre-qualification of Bidders

All bidders, prior to award of contract, must present 3 references (with contact information) of similar projects.

Proposal Form

All proposals shall be made on the attached proposal forms.

Award of Contract or Contracts:

Contract will be awarded to the lowest, responsible, qualified bidder whose proposal complies with the requirements. Contractor should bid on the services that they provide or materials that they have. The Purchaser reserves the right to reject any and all proposals, and to accept the bid or bids most advantageous to them.

Examination of Plans, Specifications and Sites

Bidders may examine all plans, specifications and sites. No deviation from specifications will be allowed without written consent from _Sarah Repp - Park, Rec & Cemetery _Director _ (Purchaser's Representative) prior to award of contract. Failure to fully examine project sites and work requirements will not relieve bidder from performing work as per plan and specifications.

Insurance and Worker's Compensation

The Contractor shall furnish insurance with the noted requirements found on pages 11 and 12.

Inspection and Payment

The Purchaser shall inspect work periodically to insure that all specifications are adhered to. In no case shall the final payment be made until the Contractor has complied with all requirements set forth and the Purchaser has made final inspection of the entire work and is satisfied that the entire work is properly and satisfactorily complete per plans, specifications, and ready for Purchaser acceptance.

Completion

All work shall be completed by <u>October 31, 2023</u> unless otherwise approved as noted in project specifications.

Guarantee

All work and materials shall be guaranteed in writing as specified in section 14 & 15.

Questions

All questions regarding these specifications shall be directed to Sarah Repp, Park, Rec, & Cemetery Director at 715-623-3633 ex 131.

1. Scope

- A. These specifications, including drawings and plant materials lists, apply to those items necessary for and incidental to the execution and completion of planting as indicated herein.
- B. All labor, supervision, equipment, materials, and supplies necessary for the execution of the work shall be provided for by the Contractor at no additional cost to the Purchaser.
- C. Reasonable care shall be exercised during excavation, planting, filling, grading, and cleanup, to protect from damage all existing trees, shrubs, and other specified vegetation, and other site features, improvements, structures, and utilities.

2. Applicable Specifications and Standards

- A. *American Standard for Nursery Stock, ANSI Z60.1.* current edition. American Nursery and Landscape Association, 1000 Vermont Ave. NW, Suite 300, Washington, D.C.20005
- B. *Index of Garden Plants: The New Royal Horticultural Society Dictionary.* By Mark Griffiths. 1994. Timber Press, Inc. Portland OR.
- C. American National Standard for Tree Care Operations, ANSI A300 -most current edition. International Society of Arboriculture, PO Box 3129, Champaign IL 61826-3129.

3. Planting Season

- A. Planting shall be done within the following dates:
 - 1. deciduous trees and shrubs April 15, 2023 to October 31, 2023
 - 2. Exceptions: Deviations may be considered, and potentially approved by purchaser.
- B. If special conditions exist that warrant a variance in the above planting dates, a written request shall be submitted by the Contractor to Sarah Repp stating the special conditions and the proposed variance. Permission for the variance will be granted at the discretion of the Purchaser.

4. Materials

A. A complete list of preferred plants is included at the end of the bid documents.

Containerized trees are requested for planting.

The Contractor shall furnish a written list of the proposed sources of nursery stock. Such a list shall be furnished with completed bid documents. Such list may not be added to or altered without the consent of the Purchaser.

All plant material shall conform to *American Standard for Nursery Stock*. Plants shall be true to species and variety specified and nursery grown in accordance with good horticultural practices under climatic conditions similar to those in the locality of the project for at least 2 years. They shall have been freshly dug (during the most recent favorable harvest season). Plants shall be so trained in development and appearance as to be unquestionably superior in form, compactness, and symmetry. They shall be sound, healthy, vigorous, well branched and densely foliated when in leaf, and free of disease and insect adults eggs, pupae or larvae. They shall have healthy, well-developed root systems and shall be free from physical damage or other conditions that would prevent thriving growth.

Trees with multiple leaders, unless specified, will be rejected. Trees with a damaged, cut, or crooked leader, included bark, abrasion of bark, sunscald, disfiguring knots, insect damage, mold, prematurely opened buds, or cuts of limbs over 3/4 inch (2 cm) diameter that are not completely callused are cause for rejection.

Containerized plants shall be well established in the container with a root

system sufficiently developed to retain its shape and hold together when removed from the container. Plants shall not be pot bound, nor have kinked, circling, or bent roots. Root collar shall be apparent at surface of ball.

Plants shall conform to the measurements specified, except that plants larger than those specified may be used if approved by the Purchaser. Use of larger plants shall not increase the contract price nor allow the Contractor to use smaller than specified material on other plants. If larger plants are approved, the root ball, root spread, or container shall be increased in proportion to the size of the plant.

Caliper measurements should be range between $1.25^{\circ}-3^{\circ}$ and shall be taken on the trunk 6 inches (15 cm) above the root collar for trees up to 4 inches (10 cm) in caliper, and 12 inches (30 cm) above the root collar for trees over 4 inches (10 cm) in caliper. Height and spread dimensions specified refer to the main body of the plant and not from branch tip to branch tip. Plants shall be measured when branches are in their normal position. Plants that meet measurements but do not possess a normal balance between height and spread shall be rejected.

Substitutions of plant materials will not be permitted unless authorized in writing by the Purchaser. If proof is submitted, substantiated in writing, that a plant specified is not obtainable, consideration will be given to the nearest available size or similar variety, with a corresponding adjustment of the contract price.

- B. All plants shall be labeled by size and scientific plant name as listed in the current edition of *Index of Garden Plants*. Labels shall be attached securely to all plants, bundles, and containers of plant materials when delivered. Plant labels shall be durable and legible, with information given in weather-resistant ink or embossed process lettering.
- C. Mulching material shall consist of aged or composted wood chips or shredded bark and shall be free of material injurious to plant growth. Wood chips shall be 1/8 inch nominal thickness with at least 50 percent having an area of not less than 1 square inch and no piece having an area of more than 6 square inches.
- D. Water shall be provided by the Contractor and be suitable for irrigation and free from ingredients harmful to plant life.
- E. Guying and staking materials, if specified, shall be as follows. Stakes shall be 6' to 8' long sections of unflanged metal or 2" x 2" hardwood. Support ties shall be 2" or wider bands of polypropylene, or elasticized or webbed strapping. Ground anchors shall be arrowhead shaped earth anchors of malleable iron castings, aluminum castings, or stamped steel.

5. Certification

A. All plant materials, shipments, and deliveries shall comply with state and federal laws and regulations governing the inspection, shipping, selling, and handling of plant stock. A certificate of inspection, or a copy thereof, for injurious insects, plant diseases, and other plant pests shall accompany each shipment or delivery of plant material. The certificate shall bear the name and address of the source of the stock.

6. Selection and Tagging

- A. Plants may be subject to inspection for conformity to specification requirements and approval by the Purchaser at their place of growth prior to award of bid. Inspection outside the state of Wisconsin shall be made through photographs submitted by the Contractor.
- B. Plants shall be inspected upon delivery, and the Purchaser reserves the right to reject any plants that do not meet the standards or that have been damaged during shipment.

- Such approval shall not impair the right of inspection and rejection during progress of the work
- C. A Contractor's representative shall be present at all inspections.
- D. The Purchaser shall be the sole judge of acceptability of stock at any time during the course of this contract.

7. Transportation and Storage of Plant Material

- A. Fresh dug material is given preference over plant material held in storage. Plant material held in storage will be rejected if excessive growth or dieback of branches has occurred in storage.
- B. Branches shall be tied with rope or twine only, and in such a manner that no damage will occur to the bark or branches.
- C. During transportation of plant material, the Contractor shall exercise care to prevent injury and drying out of the trees. Should the roots be dried out, large branches broken, balls of earth broken or loosened, or areas of bark torn purchaser may reject the injured tree(s) and order them replaced at no additional cost to the Purchaser.
- D. Loads shall be covered with an open-mesh tarpaulin or canvas. Loads that are not protected in the above manner may be rejected.
- E. Plants must be protected at all times from sun or drying winds; Those that cannot be planted immediately on delivery shall be kept in the shade, well protected with soil covered with wood chips or other acceptable material, and kept well watered. Plants shall not remain unplanted any longer than 3 days after delivery without permission from the purchaser. Plants shall not be bound with wire or rope at any time so as to damage the bark or break branches. Plants shall be lifted and handled with suitable support of the soil ball to avoid damaging it.

8. Delivery

- A. Bid prices shall include delivery to the noted planting sites.
- B. Plant materials shall not be shipped C.O.D., and any shipment so made will be refused by the Purchaser.
- C. The Contractor shall give the Purchaser notice of delivery time 3 to 5 days prior to delivery.

9. Excavation of Planting Areas

A. The Purchaser will stake/mark with paint all planting areas. The Contractor will notify Digger's Hotline to verify location of underground utilities before excavation begins. The Contractor shall be responsible for assuring that utility marking is complete before excavation begins. The Contractor shall be responsible for all damage resulting from neglect or failure to comply with this requirement.

If the planting site does not meet the below criteria please contact Sarah Repp.

- Trees shall be planted an equal distance between the sidewalk or proposed sidewalk and back of curb or proposed back of curb.
- Trees shall be planted at least 5' from driveways and at least 15' from curb box, water shutoffs, and 25' from alleys and intersections.
- B. The Contractor shall excavate planting areas as shown on the drawings. (The drawings may have to be customized depending on choice of options below). Excavation may be done by shovel, backhoe or stump grinder, but a soil auger may not be used.

If the planting site is restricted e.g. between the sidewalk and the curb, you will not be able to dig a round hole. In this case you should dig an equivalent rectangular area. See Table 1 on page 8 for conversion examples.

The planting hole shall be 1.5 to 2 times the diameter of the soil ball.

The soil pad on which the soil ball or root ball will be placed shall be of undisturbed soil. The depth of the pad shall correspond to the distance from the bottom of the soil ball to the root collar, or slightly less. Glazed planting hole surfaces shall be sufficiently roughened prior to backfilling. <u>Note:</u> The root collar is the area where the roots join the trunk. For most trees in native settings, the root collar is just below the soil surface, though it may be 1-5" lower for oak, hickory and pear. Excavated planting holes that will be left open when work is not in progress or pose an immediate and considerable hazard to pedestrians or vehicles shall be adequately barricaded with appropriate warning devices.

- C. The Contractor shall notify the Purchaser, in writing, of soil conditions or other obstructions the Contractor considers detrimental to tree growth. Such conditions shall be described, as well as suggestions for correcting them. Proper water drainage must be assured.
- D. Where soil conditions or below ground obstructions which cannot be remedied are encountered, the Purchaser shall designate alternate planting locations. The Purchaser shall bear any costs associated with such relocation.

10. Planting Operations

- A. Plants must be protected from excessive vibrations. Plants shall not be thrown or bounced off a truck or loader to the ground. Plants shall not be dragged, lifted, or pulled by the trunk or foliage parts in a manner that will loosen the roots in the ball.
- B. Plants shall be set with the top of the root collar at or slightly above finished grade. Plants must be centered in the hole and set plumb. Plants shall be set so that they will be at the same depth 1 year after planting. <u>Note</u>: planting depth is important because research has shown that some species planted to deep will develop trunk diseases or girdling roots or be more susceptible to breakage in wind storms. These problems often don't show up until years after planting.
- C. All plant containers shall be removed before planting, All ropes, strings, twine, plant labels and wrappings shall be removed after planting. If roots are crowded or coiled on the bottom, sides, or surface of the root ball, they shall be gently separated from the edges or surface.
- D. For all plants moved with a tree spade, all holes and cavities between the ball and the surrounding soil shall be filled. Glazed planting hole surfaces shall be sufficiently roughened prior to backfilling. The ball shall be thoroughly soaked with water after planting.
- E. Removal of ropes, strings, wire baskets, burlap, and other wrappings from plants.
- F. Planting holes shall be backfilled with excavated soil. When holes are approximately two-thirds full, they shall be thoroughly watered to eliminate air pockets. After this initial watering, excavated soil shall be installed to the top of the hole and watered. Prevent puddled soil conditions by avoiding compaction once the soil is wet.
- G. Planting areas shall be finish-graded to conform to drawings after full settlement has occurred.
- H. All plants shall be mulched over the root system with a 3-4-inch layer of aged wood chips or bark immediately after planting. Mulching material shall be pulled back no less than 3" and no more than 6" from the trunk.
- I. Plants shall be thoroughly watered immediately after planting.

11. Guying, Staking, Wrapping, and Pruning

- A. Only those plants designated by the Purchaser shall have trunk protection installed or be staked and/or guyed.
- B. Only trees so designated shall have approved trunk protection installed. The trunk protection shall be secured at the top and bottom of the trunk in a manner so as not to restrict or damage the bark. The Purchaser will be responsible for removing trunk protection after a one year period.
- C. Only trees so designated shall be staked and guyed. Ties made of approved material shall be attached directly to the stakes or may be attached to stakes by wire. In no case shall the wire extend around the tree trunk. Ties should be attached loosely enough to allow a small amount of play in the trunk. For drooping stems, ties shall be placed at the point on the stem at which the top can stand up on its own. Stakes shall be driven outside the root ball. For trees larger than 3" in caliper, use ties attached to 3 guy wires and ground anchors. Ground anchors are to be driven at about a 45-degree angle to the ground and placed at 120-degree intervals around the trunk. Staking and guying shall further conform to the drawings. The Purchaser will be responsible for removing all stakes and straps after a one year period. These stakes and straps will become the property of the Purchaser and should be figured into the bid.
- D. Double leaders, dead branches and any branches damaged or broken during the planting process shall be the pruned. This shall be the only pruning allowed at planting. Pruning shall conform to *American National Standard for Tree Care Operations*, *ANSI A300*.

12. Cleanup

A. Soil, branches, binding and wrapping material, rejected plants, or other debris resulting from any tree planting shall be promptly cleaned up and removed. The work area shall be kept safe and neat at all times until the cleanup operation is completed. Under no condition shall the accumulation of soil, branches, or other debris be allowed upon a public property in such a manner as to result in a public hazard.

13. Acceptance

- A. The Purchaser shall perform an inspection with the Contractor of all plant material after the original planting to note and correct any discrepancies.
- B. Acceptance of plant material by the Purchaser shall be for general conformity to specified size, character, and quality and shall not relieve the Contractor of responsibility for full conformity to the contract documents, including correct species.
- C. Upon completion and reinspection of all repairs or renewals necessary in the judgment of the Purchaser, the Purchaser shall certify in writing that the work has been accepted. Any plant work so accepted will be paid within 30 days at the contract bid price, unless previously negotiated otherwise.
- D. Work may be accepted in parts when the Purchaser and Contractor deem that practice to be in their mutual interest. Approval must be given in writing by the Purchaser to the Contractor verifying that the work may be completed in parts. Acceptance of work in parts shall not waive any other provision of this contract.

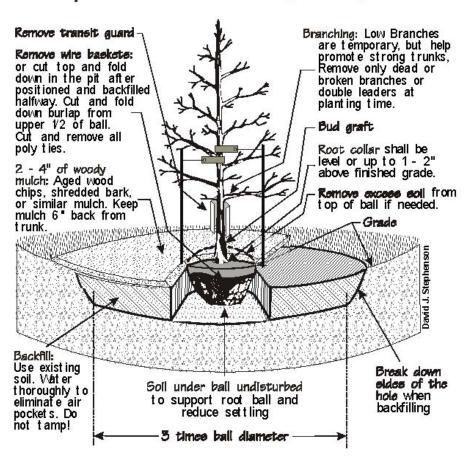
Table 1. Converting a Circular Hole to a Rectangular Planting Space

N/R = Not Recommended

N/A = Not Applicable (circular hole fits in given space)

Tree Caliper	Ball	Hole	Hole	3 ' wide	4' wide	5' wide	6' wide
	Diameter	Diameter	Area	Terrace	Terrace	Terrace	Terrace
1"	16"	48"	12 ft2	3' x 4'	N/A	N/A	N/A
1.5"	20"	60"	20 ft2	3' x 7'	4' x 5'	N/A	N/A
2"	24"	72"	28 ft2	3' x 9'	4' x 7'	5' x 5.5'	N/A
2.5"	28"	84"	39 ft2	3' x 13'	4' x 10'	5' x 8'	6' x 6.5'
3"	32"	96"	50 ft2	N/R	4' x	5' x 10'	6' x 8'
					12.5'		

Proper Tree Planting Diagram



Stake only if you have to. Use 2-3"-wide webbing straps and secure to stakes with heavy gauge wire. The wire should be able to stick straight out from the stake and hold the webbing strap up, preventing it from sliding down the tree. Do not stake tightly - trees gain strength from movement. Remove all stakes after one year.

Use of tree wrap is not recommended, as it causes a number of problems for the tree.

14. Guarantee Period and Replacement

- A. The Contractor shall guarantee all plants to be healthy and in flourishing condition for one year from the date of acceptance. The guarantee does not include vandalism, storm damage, animal damage or mechanical damage unrelated to contractor activities.
- B. The Contractor shall remove and replace, without cost, and as soon as weather conditions permit, and within a specified planting period, all plants not in a healthy and flourishing condition as determined by the Purchaser any time during the guarantee period. Replacements shall be subject to all requirements stated in this specification.

15. Final Inspection and Acceptance

A. At the end of the guarantee period and upon written request of the Contractor, the Purchaser shall inspect all guaranteed work for final acceptance. The request shall be received at least 5 working days before the anticipated date for final inspection. Upon completion and reinspection of all repairs or renewals necessary in the judgment of the Purchaser at that time, the Purchaser shall certify, in writing, that the project has received final acceptance.

16. Payment

- A. Payment shall be made to the Contractor as follows:
 - a. 50% of the contract sum upon receipt and approval of plant materials by the Purchaser.
 - b. 35% of the contract sum upon completion of planting or the plant materials.
 - c. 10% of the contract sum after the replanting of replacement material if required.d. 5% of the contract sum after final acceptance



This agreement is between the **City of Antigo** herein called "CITY"

And	herein called	"CONTRACTOR".
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The City and Contractor, agree as follows:

- 1) **Scope of Work** (Describe project and list location): Provide tree stock and plant them according to the listed locations, species list, and planting requirements listed.
- 2) Amount of Contract (if applicable): -

Insurance Requirements:

3) **Insurance.** The Contractor shall not commence work under this contract until he/she has obtained all insurance required under this agreement and such insurance has been approved by the City. Nor shall the Contractor allow any subcontractor to commence work on a subcontract until all similar insurance required of the subcontractor has been so obtained and approved.

Worker's Compensation and Employer's Liability:

Statutory

General Liability:

Bodily Injury, including death \$1,000,000 each person \$1,000,000 each occurrence Property Damage \$1,000,000 each occurrence Or Combined Single Limit \$1,000,000 each occurrence

Automobile Liability:

Bodily Injury, including death \$1,000,000 each person \$1,000,000 each occurrence Property Damage \$1,000,000 each occurrence

An umbrella policy of \$1,000,000 may be used to satisfy the above requirements. *Insurance Requirements continued*

Additional Insured:

The **City of Antigo must be named as an additional insured** with the following format: City of Antigo 700 Edison Street Antigo, WI 54409

Endorsement: A copy of the endorsement must be forwarded to the City Clerk-Treasurer's Office. No insurance shall be canceled without notifying the City in writing thirty (30) days prior to cancellation.

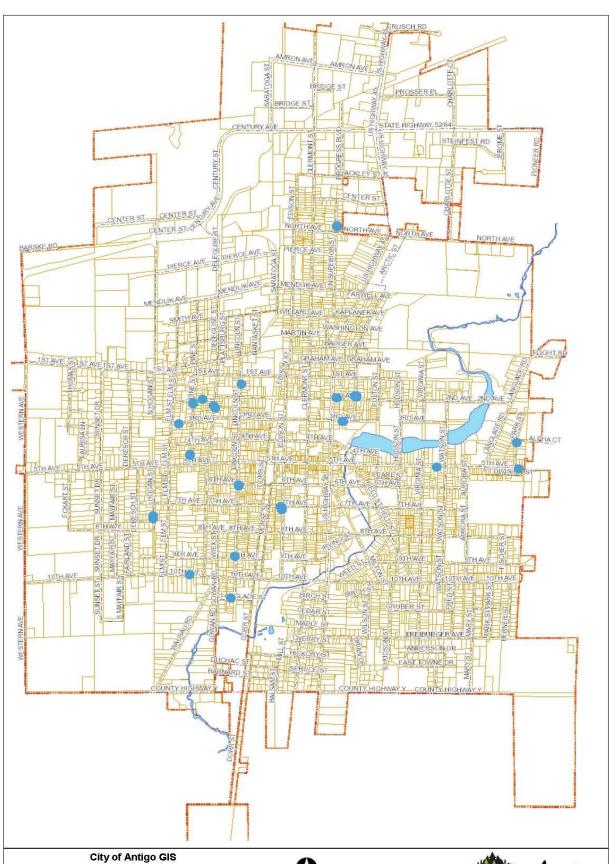
- 4) **Proof of Insurance.** The Contractor shall furnish the City with proof of insurance which shall consist of a certificate of insurance.
- 5) **Performance/Payment Bond.** The City may require a Performance Bond and Payment Bond in an amount of the estimated work to be completed for the faithful performance of this contract and for the payment of all persons performing labor and furnishing materials in connection with this contract.
- 6) **Hold Harmless.** Contractor hereby agrees to defend, indemnify, and hold harmless City, its officers, agents, and employees from and against any and all claims, demands, causes of action, suits, and costs in any way connected with Contractor's performance of work related to this contract.

7) Owner's Right . The City may upon proper verbal notification and			n any part of the work	described in this contract
8) Term. The term of this contract and shall continue until	ct shall be effective b	eginning on,	1	
 Termination. In the event of u the Contractor identifying the de this agreement null and void. The 	ficiencies. Íf unsatis	sfactory work continues, the	e City upon second w	ritten notice, may declare
10) Contract Binding Upon Sudbinding upon the heirs, executor fully as upon the said parties.				
Company				
Authorized Signer:				
Address:				
Phone:				
email:				
In Witness whereof, the parties here	eto have signed this	Agreement		
City of Antigo		Contract	tor	
Mayor	 Date		Date	
Attest:		Witness:		
Address for giving notice City of Ant	igo	Address for giv	ving notice Contractor	
700 Edison Street				
Antigo, WI 54409				

Phone: (715) 623-3633

Tree Planting 2023 Addresses & Tree Species/Quantities

Address	Quantity	Tree Type
313 E 5 th Ave	1	Prairefire Crab
641 Park Street	1	Sugar Maple
530 2 nd Avenue	2	Red Barron Crab
602 2 nd Avenue (Arctic St side)	1	Princess Diana Crab
901 Superior St. (2 nd Ave side)	1	Princess Diana Crab
619 3 rd Avenue	2	Japanese Lilac
630 North Ave (N. Superior Side)	1 1	Spring Snow Crab Saratoga Ginkgo
923 Lincoln Street	1	Red Baron Crab
813 Deleglise Street	1	Candymint Crab
1222 2 nd Ave	1	Red Baron Crab
832 Deleglise Street	1	Redbud Crab
838 Pine Street (pine side)	1 1	Saratoga Ginkgo Northern Acclaim Honey locust
1325 3 rd Avenue	1	Sugar Tyme Crab
617 Pine Street	1	Autumn Brilliance Serviceberry
300 Hogan Street	1	Prairefire Crab Spring Snow Crab
437 Lincoln St.	1 2	Saratoga Ginkgo Mountain Frost Pear
350 Edison St	1 (7 th Ave side)	Summertime Maackia
	2 (Edison St Side)	Brandywine Maple
202 Lincoln Street	1	Northern Acclaim Honey locust
1310 10 th Ave	1	Japanese Lilac
130 S. Lincoln St (Langlade Rd side)	1	Lincoln Linden
349 Watson Steet	1	Saratoga Ginkgo
213 5 th Avenue	1	Autunm Brilliance Serviceberry
Total Tuess for Dlouters	21	
Total Trees for Planting	31	



Tree Species Order Quantities & Bid Sheet

Caliper measurements should be range between 1.25" – 3" and shall be taken on the trunk 6 inches (15 cm) above the root collar for trees up to 4 inches (10 cm) in caliper, and 12 inches (30 cm) above the root collar for trees over 4 inches (10 cm) in caliper. Height and spread dimensions specified refer to the main body of the plant and not from branch tip to branch tip. Plants shall be measured when branches are in their normal position. Plants that meet measurements but do not possess a normal balance between height and spread shall be rejected.

Common Name	Scientific Name	Quantity to Plant
Autumn Brilliance	Amelanchier grandiflora 'Autumn Brilliance'	2
Serviceberry		
Brandywine Maple	Acer rubrum 'Brandywine'	2
Candymint Crab	Malus sargentii 'Candymint'	1
Japanese Lilac	Syringa reticulata	3
Lincoln Linden	Tilia americana	1
Mountain Frost Pear	Pyrus ussuriensis	2
Northern Acclaim	Gleditsia triacanthos 'Harve'	2
Honeylocust		
Prairiefire Crab	Malus sp.	2
Princess Diana	Amelanchier × grandiflora 'Princess Diana'	2
Serviceberry		
Red Baron Crab	Malus sp.	4
Redbud Crab	Malus sieboldii var. zumi 'Calocarpa'	1
Saratoga Ginkgo	Ginkgo biloba 'Saratoga'	4
Spring Snow Crab	Malus sp.	2
Sugar Maple	Acer sacarum	1
Sugar Tyme Crab	Malus sp.	1
Summertime Maackia	Maackia amurensis 'Summertime'	1

Valley Forge Elm, QTY 1

Cathedral Elm, QTY 1

Honey Locust, QTY 1

1. Total Price for the trees and labor contractor will plant:

2. Total Price for Trees Park and Recreation Crews will Plant

Total Combined Price of 1 & 2:

Estimated Completed Planting Date:

The below trees will be planted by Park and Recreation staff, so please just list cost of the tree.

Please list any deviations to the above specifi	fications:	
Please list 3 references, with phone and email	il:	
Name of Tree Supplier:		
Address:		
Phone:		
Name of Contractor Planting Trees		
Address:		
Signature:	Date:	



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