



Department of Management Services  
Purchasing Division  
241 West South Street  
Kalamazoo, MI 49007-4796  
Phone: 269.337.8020  
[www.kalamazoo.org](http://www.kalamazoo.org)

### INVITATION FOR BID (IFB)

The City of Kalamazoo, Michigan is soliciting sealed bids for:

**PROJECT NAME: 2025 Tree Planting** **Bid Reference #: 59575-040.0**  
*Funded by USDA Urban and Community Forestry Grant*

**IFB ISSUE DATE: August 12, 2025**

**BID DUE/OPENING DATE: August 26, 2025 @ 3:30 P.M. Local Time (ET)**  
*Facsimile Bids Will Not Be Accepted.*

#### MAILING ADDRESS & INSTRUCTIONS

**Mail to:**  
Purchasing Division  
241 W. South Street  
Kalamazoo, MI 49007

**Questions about this IFB should be directed to:**  
Department Contact: Mohith Kondlapudi, Civil  
Engineer, at (269) 360-2977, or  
[kondlapudim@kalamazoo.org](mailto:kondlapudim@kalamazoo.org).

*Include on the Envelope the Project Name and Bid Reference Number. All Envelopes Must Be Sealed.*

You are invited to submit a bid for this project. Specifications, terms, conditions, and instructions for submitting bids are contained herein. This Invitation for Bid with all pages, documents and attachments contained herein, or subsequently added to and made a part hereof, submitted as a fully and properly executed bid shall constitute the contract between the City and the successful bidder when approved and accepted on behalf of the City by an authorized official or agent of the City. Please review the bid document as soon as possible and note the **DEADLINE FOR QUESTIONS** in the Instructions to Bidders.

All bidders shall complete and return the Bid and Award page(s) and submit all information requested herein in order for a bid to be responsive. The bid document shall be returned in its entirety, in a properly identified and sealed envelope to the Purchasing Division at the above address. **BIDS MUST BE RECEIVED BEFORE THE DUE DATE - LATE BIDS WILL NOT BE CONSIDERED.**

The City reserves the right to postpone the bid opening for its own convenience.

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STATEMENT OF NO BID

**NOTE: If you DO NOT intend to bid on this commodity or service, please complete and return this form immediately.** Your response will assist us in evaluating all responses for this important project and to improve our bid solicitation process.

The Purchasing Division of the City of Kalamazoo wishes to keep its bidders list file up to date. If, for any reason you cannot supply the commodity/service noted in this bid solicitation, this form must be completed and returned to remain on the particular bid list for future projects of this type.

**If you do not respond to this inquiry within the time set for the bid opening date and time noted, we will assume that you can no longer supply this commodity/service, and your name will be removed from this bid list.**

- \_\_\_\_\_ Specifications too "tight", i.e., geared toward one brand or manufacturer only (explain below).
- \_\_\_\_\_ Specifications are unclear (explain below).
- \_\_\_\_\_ We are unable to meet specifications.
- \_\_\_\_\_ Insufficient time to respond to the Invitation for Bid.
- \_\_\_\_\_ Our schedule would not permit us to perform.
- \_\_\_\_\_ We are unable to meet bond requirements.
- \_\_\_\_\_ We are unable to meet insurance requirements.
- \_\_\_\_\_ We do not offer this product or service.
- \_\_\_\_\_ Remove us from your bidders list for this commodity or service.
- \_\_\_\_\_ Other (specify below).

REMARKS: \_\_\_\_\_

\_\_\_\_\_

SIGNED: \_\_\_\_\_ NAME: \_\_\_\_\_  
(Type or Print)

TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_

FIRM NAME: \_\_\_\_\_  
(if any)

ADDRESS: \_\_\_\_\_  
(Street address) (City) (State) (Zip)

PHONE: \_\_\_\_\_ EMAIL: \_\_\_\_\_

**SECTION I  
INSTRUCTIONS TO BIDDERS**

1. **EXAMINATION OF BID DOCUMENT**-Before submitting a bid, bidders shall carefully examine the specifications and shall fully inform themselves as to all existing conditions and limitations. The bidder shall indicate in the bid the sum to cover the cost of all items included on the bid form.
2. **PREPARATION OF BID**-The bid shall be legibly prepared in ink or typed. If a unit price or extension already entered by the bidder on the Bid and Award form is to be altered, it shall be crossed out and the new unit price or extension entered above or below and initialed by the bidder with ink. The bid shall be legally signed, and the complete address of the bidder given thereon.

All bids shall be tightly sealed in an envelope plainly marked SEALED BID and identified by project name, bid opening date and time. Bids opened by mistake, due to improper identification, will be so documented and resealed. The Purchasing Division will maintain and guarantee confidentiality of the contents until the specified opening date and time. Bids submitted electronically will not be accepted.

3. **EXPLANATION TO BIDDERS**-Any binding explanation desired by a bidder regarding the meaning or interpretation of the Invitation for Bids (IFB) and attachments must be requested in writing, **at least 5 business days before the bid opening** so a reply may reach all prospective bidders prior to the submission of bids. Any information given to a prospective bidder concerning the IFB will be furnished to all prospective bidders as an amendment or addendum to the IFB if such information would be prejudicial to uninformed bidders. Receipt of amendments or addenda by a bidder must be acknowledged in the bid by attachment, or by letter before the time set for opening of bids. Oral explanation or instructions given prior to the opening will not be binding.
4. **CASH DISCOUNTS**-Discount offered for payment of less than thirty (30) days will not be considered in evaluating bids for award. Offered discounts of less than thirty (30) days will be taken if payment is made within the discount period, even though not considered in evaluation of the bid.
5. **WITHDRAWAL OF BIDS**-Bids may be withdrawn in person by a bidder or authorized representative, provided their identity is made known and a receipt is signed for the bid, but only if the withdrawal is made prior to the exact time set for receipt of bid. No bid may be withdrawn for at least ninety (90) days after bid opening.
6. **ALTERNATE BIDS**-bidders are cautioned that any alternate bid, unless specifically requested or any changes, insertions or omissions to the terms and conditions, specifications, or any other requirement of this IFB may be considered non-responsive, and at the option of the City, result in rejection of the alternate bid.
7. **LATE BIDS**-Any bid received at the office designated herein after the exact time specified for receipt will not be considered. (Note: The City reserves the right to consider bids that have been determined by the City to be received late due to mishandling by the City after receipt of the bid and no award has been made.)
8. **UNIT PRICES**-If there is a discrepancy between unit prices and their extension, unit prices shall prevail.
9. **BID SUBMITTAL**- Bidders can submit sealed bids in one of the following ways:
  - 9.1. **Mail your bid**, to be received before the bid due date and time indicated in the bid document, to the City of Kalamazoo at the following address:

City of Kalamazoo  
Purchasing Division  
241 West South Street  
Kalamazoo, MI 49007

- 9.2. **Deliver your bid to City Hall In-Person** before the bid due date and time indicated in the bid document.
- 9.3. **Deliver your bid to the Treasurer’s Office Payment Drop Box** located in the northwest corner of City Hall (see photos below) before the bid due date and time indicated in the bid document.



1. Open drop box located at City Hall.

2. Insert SEALED BID here.



- 10. **BID TABULATIONS-** The Purchasing Division makes an effort to post bid tabulations to the City of Kalamazoo website within 24 hours after the bid opening date and time at: <https://www.kalamazoocity.org/bidopportunities>. However, in certain cases the posting of the bid tabulation may extend beyond the 24-hour window.

**SECTION II  
 BID AND AWARD**

The undersigned having become thoroughly familiar with all of the bid/contract documents incorporated herein, the project site and the location conditions affecting the work, hereby proposes to perform everything required to be performed in strict conformity with the requirements of these documents, and to provide and furnish all the equipment, labor and materials necessary to complete in a professional manner the planting of trees described in the specifications as set forth herein and at the unit prices as stated herein:

ITEM	ITEM CODE	DESCRIPTION	UNIT	PLAN QTY	UNIT PRICE	TOTAL
1	8150001	Site Preparation, Max. \$15,000.00	LS	1		
2	8150002	Watering and Cultivating, First Season, Min. \$5,000.00	LS	1		
3	8150002	Watering and Cultivating, Second Season, Min. \$5,000.00	LS	1		
<b>SMALL TREES (HEIGHT OF LESS THAN 30' AT MATURITY) * (Qty 175)</b>						
4		Choke Cherry ( <i>Prunus Virginiana</i> )	EA			
5		Japanese Flowering Cherry ( <i>Prunus Serrulate</i> )	EA			
6		Crabapple ( <i>Malus Sp.</i> )	EA			
7		Dogwood ( <i>Cornus Sp.</i> )	EA			
8		Hawthorne ( <i>Crataegus Sp.</i> )	EA			
9		Magnolia Sp.	EA			
10		Freeman Maple ( <i>Acer Freemanii</i> )	EA			
11		Paperbark Maple ( <i>Acer Griseum</i> )	EA			
12		Trident Maple ( <i>Acer Buergerianum</i> )	EA			
13		Eastern Redbud ( <i>Cercis Canadensis</i> )	EA			
14		Serviceberry ( <i>Amelanchier Sp.</i> )	EA			
15		Cornelian Cherry ( <i>Cornus Mas</i> )	EA			
16		Purpleleaf Plum ( <i>Prunus Cerasifera</i> )	EA			
17		Yoshino Cherry ( <i>Prunus x Yedoensis</i> )	EA			

ITEM	ITEM CODE	DESCRIPTION	UNIT	PLAN QTY	UNIT PRICE	TOTAL
<b>MEDIUM &amp; LARGE TREES (HEIGHT OF 30' OR MORE AT MATURITY) * (Qty 50)</b>						
18		Kentucky Coffee ( <i>Gymnocladus Dioicus</i> )	EA			
19		Ginko ( <i>Ginko Bilobla</i> )	EA			
20		Hackberry ( <i>Celtis Occidentalis</i> )	EA			
21		American Linden ( <i>Tilia Americana</i> )	EA			
22		Littleleaf Linden ( <i>Tilia Cordata</i> )	EA			
23		Silver Linden ( <i>Tilia Tomentosa</i> )	EA			
24		Red Maple ( <i>Acer Rubrum</i> )	EA			
25		Sugar Maple ( <i>Acer Saccharum</i> )	EA			
26		London Planetree ( <i>Platanus x Acerifolia</i> )	EA			
27		Dawn Redwood ( <i>Metasequoia Glyptostroboides</i> )	EA			
<b>Project Total</b>						

The City plans to plant approximately 50 medium - large trees and 175 small trees for a total of 225 trees. Subject to change based on species availability and City preference.

**Work shall start within 7 working days after receipt of notification by Contractor of Notice to Proceed.**

Bidder/Contractor has examined and carefully studied the bidding documents and attachments, and acknowledges receipt of the following addenda:

Addendum No: \_\_\_\_\_

Dated: \_\_\_\_\_

Bidder shall provide all the information as requested herein with their bid. **Failure to do so and/or failure to provide post-bid requested information may be cause for rejecting the bid as non- responsive.**

The City encourages the use of local labor in fulfilling the requirements of this contract.

By my signature below, I certify that the firm bidding on this contract, when making hiring decisions, does not use a past criminal conviction as a bar to or preclude a person with a criminal conviction from being considered for employment with the bidding firm unless otherwise precluded by federal or state law. I further certify that I have read and agree to be bound by the provisions of the City’s Non- Discrimination Clause found in Appendix A and as updated by City Ordinance 1856.

Signed: \_\_\_\_\_ Name: \_\_\_\_\_

Title: \_\_\_\_\_



**REFERENCE QUESTIONNAIRE**

Please answer the following questions completely.

1. Firm name: \_\_\_\_\_
2. Established: Year \_\_\_\_\_ Number of Employees: \_\_\_\_\_
3. Type of organization:
  - a. Individual: \_\_\_\_\_
  - b. Partnership: \_\_\_\_\_
  - c. Corporation: \_\_\_\_\_
  - d. Other: \_\_\_\_\_
4. Former firm name(s) if any, and year(s) in business:  
\_\_\_\_\_  
\_\_\_\_\_
5. Provide at least 5 agencies of contracts for similar work performed over the last five (5) years with governments or utilities. Include: owner, contact person and phone number and description of work performed.
  - 5.1 Company Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Contact: \_\_\_\_\_  
Description of work or contract: \_\_\_\_\_
  - 5.2 Company Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Contact: \_\_\_\_\_  
Description of work or contract: \_\_\_\_\_
  - 5.3 Company Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Contact: \_\_\_\_\_  
Description of work or contract: \_\_\_\_\_

**REFERENCE QUESTIONNAIRE (cont.)**

5.4 Company Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Contact: \_\_\_\_\_  
Description of work or contract: \_\_\_\_\_

5.5 Company Name: \_\_\_\_\_  
Address: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Contact: \_\_\_\_\_  
Description of work or contract: \_\_\_\_\_

6. Provide a list of equipment to be used in performing this Tree Maintenance work.

Type of Equipment	Year	Make/Model
1.	_____	_____
2.	_____	_____
3.	_____	_____
4.	_____	_____
5.	_____	_____
6.	_____	_____
7.	_____	_____
8.	_____	_____
9.	_____	_____
10.	_____	_____

CITY OF KALAMAZOO EX-OFFENDER POLICY CHECKLIST

As part of the City’s commitment to reducing unacceptable poverty, encouraging rehabilitation, reducing recidivism, and strengthening families in Kalamazoo, the City has updated its Purchasing Policy to ensure that firms with whom the City does business share in this commitment by utilizing hiring practices that do not unfairly deny people with arrest and conviction records gainful employment. *(Important: This requirement also extends to any subcontractors the bidder intends to use to fulfill the contract for goods or services being sought from the City.)*

**Part I: Proof that the bidder does not inquire about an individual’s past arrest or criminal history on the bidder’s employment application form**

- Attach a copy of the current application for employment being used by the bidder

**Part II: Certification that the bidder does not use an individual’s past arrest or criminal history to unlawfully discriminate against them by checking *one or more* of the following:**

- That pursuant to federal or state law bidder is precluded from hiring persons with certain criminal records from holding particular positions or engaging in certain occupations by providing a cite to the applicable statute or regulation; if checking this box, provide a citation to the applicable statute or rule upon which the bidder is relying:  
\_\_\_\_\_
- That bidder conducts criminal history background checks only as necessary, and only after making a conditional offer of employment; that any withdrawal of an offer of employment to an individual because of a past criminal history is job-related and consistent with business necessity after the individual has been provided an individualized assessment opportunity to review and challenge or supplement the history of past criminal conduct being relied upon by the bidder;
- That the use by bidder of criminal history background checks complies with the U.S. Equal Employment Opportunity Commission’s Enforcement Guidance on the Consideration of Arrest and Conviction Records in Employment Decisions and that the bidder has not had a determination rendered against it in past 7 years that it discriminated against a person through the use of an individual’s arrest or criminal history

I CERTIFY THAT THE ABOVE STATEMENTS ARE TRUE.

\_\_\_\_\_  
Date

\_\_\_\_\_  
Signature

\_\_\_\_\_  
Printed Name

\_\_\_\_\_  
Position

**DEBARMENT CERTIFICATION FORM**

The Contractor certifies that, neither the Contractor firm nor any owner, partner, director, officer, or principal of the Contractor, nor any person in a position with management responsibility or responsibility for the administration of federal funds:

- (a) Is presently debarred, suspended, proposed for debarment, and declared ineligible or voluntarily excluded from covered transactions by any federal or state department/agency;
- (b) Has within a three-year period preceding this certification been convicted of or had a civil judgment rendered against it for: commission of fraud or a criminal offense in connection with obtaining, attempting to obtain, or performing a public transaction or contract (federal, state, or local); violation of federal or state antitrust statutes; or commission of embezzlement, theft, forgery, bribery, falsification or destruction of records, making false statements, or receiving stolen property;
- (c) Is presently indicted for or otherwise criminally or civilly charged by a governmental entity (federal, state, or local) with commission of any of the offenses enumerated in paragraph (b) above; or
- (d) Has within a three-year period preceding this certification had one or more public transactions or contracts (federal, state, or local) terminated for cause or default.
- (e) **The contractor is “Actively” registered with SAMS (Service for Award Management) and has been assigned the following Number:\_\_\_\_\_.**

The Contractor further certifies that it shall not knowingly enter into any transaction with any subcontractor, material supplier, or vendor who is debarred, suspended, declared ineligible, or voluntarily excluded from covered transactions by any federal or state department/agency.

Dated this \_\_\_\_\_ day of \_\_\_\_\_, 20 \_\_\_\_\_

By \_\_\_\_\_

Authorized Signature for Contractor

\_\_\_\_\_  
Printed Name and Title

I hereby state that all the information I have provided is true, accurate and complete. I hereby state that I have the authority to submit this bid which will become a binding contract if accepted by the City of Kalamazoo. I hereby state that I have not communicated with nor otherwise colluded with any other bidder, nor have I made any agreement with nor offered/accepted anything of value to/from an official or employee of the City of Kalamazoo that would tend to destroy or hinder free competition.

The firm’s identification information provided will be used by the City for purchase orders, payment and other contractual purposes. If the contractual relationship is with, or the payment made to, another firm please provide a complete explanation on your letterhead and attach to your bid. Please provide for accounts payable purposes:

Tax Identification Number (Federal ID): \_\_\_\_\_

Remittance Address: \_\_\_\_\_

Financial Contact Name: \_\_\_\_\_ Financial Contact Phone Number: \_\_\_\_\_

Financial Contact Email Address: \_\_\_\_\_

I hereby state that I have read, understand, and agree to be bound by all terms and conditions of this bid document.

SIGNED: \_\_\_\_\_ NAME: \_\_\_\_\_  
(Type or Print)

TITLE: \_\_\_\_\_ DATE: \_\_\_\_\_

FIRM NAME: \_\_\_\_\_  
(If any)

ADDRESS: \_\_\_\_\_  
(Street address) (City) (State) (Zip)

PHONE: \_\_\_\_\_ EMAIL: \_\_\_\_\_

**FOR CITY USE ONLY - DO NOT WRITE BELOW**

### SECTION III SPECIFICATIONS

#### 1. INTENT

The bidder shall furnish all labor, supervision, supplies, tools, equipment, and other means necessary or proper for performing and completing the work. The bidder shall be responsible for the cleaning up of the job site and shall repair or restore all structures and property that may be damaged or disturbed during performance of the work to the satisfaction of the Public Services Department for the City of Kalamazoo. Where needed, all traffic control used for such operations as defined by the MMUTCD will be the responsibility of the bidder.

#### 2. SCOPE

The intent of this contract is to perform necessary tree planting and maintenance of those trees in specific areas of Kalamazoo Neighborhoods. This work must occur in specific disadvantaged census tracts. The purpose of this program is to protect the health and safety of the residents of The City of Kalamazoo. The contract and work shall be carried out in conformance with the MDOT Standard Specifications for Construction, Ordinances of the City of Kalamazoo, and these detailed specifications in effect on the date of invitation for bids. The tree ordinance for the City of Kalamazoo has been attached for review.

Trees will be planted in locations and specified by small, medium, and large species type required based on mature heights as listed in the Attachments section.

2.1 **Plant Material Requirements:** Trees shall be obtained from a nursery or like vendor; recognized for using good arboriculture and horticulture practices. In addition, plant material shall have been grown in conditions of similar climate to hardness zone 5 and 6. Trees shall be in good health and free from: disease, injury, general abrasions, disfigurement, freeze damage, sunscald, or insect infestation of any kind. Trees shall meet or exceed the recommendations and requirements set forth in ANSI Z60.1-2014 “American Standard for Nursery Stock.” The City of Kalamazoo reserves the right to inspect all nursery stock at the planting site for species, size, structure, and vigor. The City of Kalamazoo reserves the right to reject plant material once delivered to the planting site as specified in MDOT Standards for Construction Section 815.

2.1.1 Plant material must be one of the following: container grown, balled and bur lapped, or tree spade stock. All trees are to have a minimum caliper of 2”; to be measured at 6” above the top of the root ball unless otherwise noted on the plant and location list. Plant material shall have been pruned to encourage single main stem growth, compact crowns, abundant lateral branching, and symmetrical branch structure. No material with codominant stems will be accepted. Tree selection should be based on the site conditions, size, and follow general guidelines of “right tree right place.”

- 2.1.2 **The attached planting list must be completed and submitted with bid. Planting list must be approved from the City of Kalamazoo Forestry Supervisor.** Tree selection should be varied and include hardwood and ornamental selections and be based upon conditions of planting site. No single species of tree planted can account for more than 30% of the total trees planted in its respective category. The presence of overhead or underground utilities at the planting site should be given appropriate consideration. Preference should be given to native species. Tree selection must also follow species guidelines listed in the attached City of Kalamazoo Tree Ordinance. Sites that have specific species listed MUST be used at that site. A similar species may be approved by the Kalamazoo Forestry Supervisor.
- 2.1.3 Root systems shall not be excessively root bound or have any kinked or circling root at the time of planting. The rooting medium will be free of other plant material. Refer to ANSI Z60.1-2014 for root ball to caliper size requirements. Extreme care shall be used in the delivery process as to avoid wind damage or excess drying of the root system.
- 2.2 **Planting Procedures:** MISS-DIG shall be used on all planting sites. City of Kalamazoo will provide bidder with tree planting identification flags to help facilitate this process. If there is a stump at a planting site location; the City of Kalamazoo will remove it at no cost to the bidder.
- 2.2.1 Tree plantings shall be performed by experienced personnel, well versed in accepted horticultural practices, and under the supervision of a qualified tree planting foreman. Tree planting should closely follow ANSI A300 standards on Planting and Transplanting and MDOT Standards for Construction Section 815.
- 2.2.2 Trees shall be placed in a position exactly vertical and at the depth where the base of the root flare is at or slightly above the finished grade. Excess soil from the root ball must be removed following installation. Any additional backfill soil shall, at the time of planting, be in a loose, friable condition. At no time shall the topsoil used on the job be stockpiled on turf. Plants shall be set so that they will be the same depth one (1) year later. The trunk of the tree is not to be used as a lever in positioning or moving the tree in the planting hole.
- 2.2.3 Any excess soils or debris shall be removed from the planting site immediately upon completion of each planting operation. At the completion of each planting, the tree must be straight, firmly in place, thoroughly watered and mulched.
- 2.3 **Additions or deletions to the Scope of Services.** The City may, at its own option, add services to or delete services from the work provided by this contract, to serve its best interest, or to respond to changes in property ownership during the course of the implementation of this contract.

### 3. CONTRACT PERIOD/RENEWALS

- 3.1 The bidder shall install ALL trees designated by December 31, 2025.
- 3.2 First season of water & cultivation is expected June – September 2026.
- 3.3 Second season of water & cultivation is expected June – September 2027.
- 3.4 The contract shall be in effect for the duration of work.
- 3.5 The City may opt to extend this contract for up to twelve (12) one-month periods.
- 3.6 Renewals will be based upon mutual agreement, and the availability of funding.

**4. AWARD CRITERIA**

All the following factors will be considered in evaluating bids received:

- Responsiveness to Invitation for Bids specifications
- Project cost
- Qualifications of firm
- References

**5. PRICING**

Contract prices shall remain firm for the term of this contract and any extensions thereof.

**6. SITE VISITS**

Prospective bidders are strongly encouraged to look at the site locations prior to bid submittal and become acquainted with the requirements of this bid. See front page of this bid document for more information.

**7. QUALIFICATIONS OF BIDDERS**

- 7.1 Bids will be considered only from responsible organizations or individuals now or recently engaged in this type of service.
- 7.2 Bidders shall provide a listing of governments and/or utilities it has or had contracts with within the past five years. With each listing, provide a short description of the contracted service.
- 7.3 The City reserves the right to inspect the equipment of all bidders prior to making the award.

**8. COMPLAINTS AND NON-PERFORMANCE**

- 8.1 The contractor shall, within 24 hours after receipt of complaint, take all steps necessary to remedy the cause of the complaint and to notify the project manager of each disposition.
- 8.2 The contractor shall maintain a “Complaint log” registering all complaints and the action taken to remedy the situation.
- 8.3 Failure to remedy the cause of the complaint within the time limits set forth herein shall be considered a breach of the contract. For the purpose of computing damages caused thereby under the provisions of this section, it is agreed that the City may deduct from payments due or to become due to the contractor, the following amounts as liquidated damages:
- 8.4 Failure to clean up debris/equipment as specified                      \$50 per incident/per day  
       Failure to properly manage traffic flow as specified                      \$100 per hour

**9. QUESTIONS**

Questions relative to the specifications may be addressed to Mohith Kondlapudi, Civil Engineer, at (269) 360-2977 or [kondlapudim@kalamazoo.org](mailto:kondlapudim@kalamazoo.org). Questions relative to the terms and conditions and bidding procedures may be addressed to Nicole Kling, Buyer, at (269) 337-8020, or [cokpurchasing@kalamazoo.org](mailto:cokpurchasing@kalamazoo.org).

**SECTION IV  
INDEMNITY AND INSURANCE**

Contractor, or any of their subcontractors, shall not commence work under this contract until they have obtained the insurance required under this paragraph, and shall keep such insurance in force during the entire life of this contract. All coverage shall be with insurance companies licensed and admitted to do business in the State of Michigan and acceptable to the City of Kalamazoo within ten (10) days of the Notice of Award. The requirements below should not be interpreted to limit the liability of the Contractor. All deductibles and SIR's are the responsibility of the Contractor.

The Contractor shall procure and maintain the following insurance coverage:

Workers' Compensation Insurance including Employers' Liability Coverage, in accordance with all applicable statutes of the State of Michigan.

Commercial General Liability Insurance on an "Occurrence Basis" with limits of liability not less than \$1,000,000 per occurrence and aggregate. Coverage shall include the following extensions: (A) Contractual Liability; (B) Products and Completed Operations; (C) Independent Contractors Coverage; (D) Broad Form General Liability Extensions or equivalent, if not already included and (E) XCU coverage if the nature of the contract requires XC or U work.

Automobile Liability including Michigan No-Fault Coverages, with limits of liability not less than \$1,000,000 per occurrence, combined single limit for Bodily Injury, and Property Damage. Coverage shall include all owned vehicles, all non-owned vehicles, and all hired vehicles.

Additional Insured: Commercial General Liability and Automobile Liability, as described above, shall include an endorsement stating that the following shall be *Additional Insureds*: The City of Kalamazoo, all elected and appointed officials, all employees and volunteers, all boards, commissions, and/or authorities and board members, including employees and volunteers thereof. It is understood and agreed that by naming the City of Kalamazoo as additional insured, coverage afforded is considered to be primary and any other insurance the City of Kalamazoo may have in effect shall be considered secondary and/or excess.

To the fullest extent permitted by law the Contractor agrees to defend, pay on behalf of, indemnify, and hold harmless the City of Kalamazoo, its elected and appointed officials, employees, agents and volunteers, and others working on behalf of the City of Kalamazoo against any and all claims, demands, suits, or loss, including all costs connected therewith, and for any damages which may be asserted, claimed, or recovered against or from the City of Kalamazoo, by reason of personal injury, including bodily injury or death and/or property damage, including loss of use thereof, which arises out of, or is in any way connected or associated with this contract.

Cancellation Notice: All policies, as described above, shall include an endorsement stating that it is understood and agreed that thirty (30) days, or ten (10) days for non-payment of premium, Advance Written Notice of Cancellation, Non-Renewal, Reduction, and/or Material Change shall be sent to: City of Kalamazoo, Purchasing Department, 241 W. South Street, Kalamazoo, MI 49007.

Proof of Insurance Coverage: The Contractor shall provide the City of Kalamazoo at the time that the contracts are returned by him/her for execution, or within 10 days of Notice of Award, whichever is earlier, a Certificate of Insurance as well as the required endorsements. In lieu of required endorsements, if applicable, a copy of the policy sections where coverage is provided for additional insured and cancellation notice would be acceptable. Copies or certified copies of all policies mentioned above shall be furnished, if so requested.

**INDEMNITY AND INSURANCE**

*Continued*

If any of the above coverages expire during the term of this contract, the Contractor shall deliver renewal certificates and/or policies to City of Kalamazoo at least ten (10) days prior to the expiration date.

Scope of Coverage: The above requirements and conditions shall not be interpreted to limit the liability of the Contractor under this Contract but shall be interpreted to provide the greatest benefit to the City and its officers and employees. The above listed coverages shall protect the Contractor, its employees, agents, representatives, and subcontractors against claims arising out of the work performed. It shall be the Contractor's responsibility to provide similar insurance for each subcontractor or to provide evidence that each subcontractor carries such insurance in like amount prior to the time such subcontractor proceeds to perform under the contract.

**SECTION V  
SPECIAL REQUIREMENTS**

**1. BID BOND/GUARANTEE**

The bid must be accompanied by a bid bond which shall not be less than five (5%) percent of the total amount of the bid. No bid will be considered unless it is accompanied by the required guarantee. The bid guarantee shall ensure the execution of the bid and award, and the furnishing of a performance bond and a labor and material bond (A and B below) by the successful bidder. (Contractors Note: A cashier's or certified check in lieu of a bid bond is **NOT** acceptable.)

**A. PERFORMANCE BOND**

A performance bond shall be furnished in the full amount of the contract ensuring the City of faithful performance of all the provisions of the contract, and the satisfactory performance of any equipment required hereunder. The bond shall also ensure the City against defective workmanship and/or materials.

**B. LABOR AND MATERIAL (PAYMENT) BOND**

A labor and material (payment) bond shall be furnished for the period covered by the contract, in the full amount of the contract for the protection of labor and material suppliers and sub-contractors.

Bonds shall be secured by a guaranty, or a surety company listed in the latest issue of the U.S. Treasury, circular 570, and licensed to do business in the State of Michigan, and written in favor of the City of Kalamazoo. The amount of such bonds shall be within the maximum amount specified for such company in said circular 570. The bonds shall be accompanied by a power of attorney showing authority of the bonding agent to sign such bonds on behalf of the guaranty or surety company. The cost of the bonds shall be borne by the Contractor.

Failure of the Contractor to supply the required bonds within ten (10) days after Notice of Award, or within such extended period as the Purchasing Agent may agree to, shall constitute a default and the City of Kalamazoo may either award this contract to the next lowest bidder or re-advertise for bids and may charge against the Contractor for the difference between the amount of the bid and the amount for which a contract for the work is subsequently executed, irrespective of whether the amount thus due exceeds the amount of the bid bond. If a more favorable bid is received by re-advertising, the defaulting bidder shall have no claim against the City of Kalamazoo for a refund.

**2. WAIVERS OF LIEN**

Upon completion of all work and request for final payment, the Contractor shall furnish a 100% waiver of lien from each supplier and sub-contractor covering all items of the work. Failure to supply waivers of lien for the entire job upon completion and final payment request will be considered grounds for withholding final payment.

**3. SUBCONTRACTORS**

- A. Contractors shall state on the Bid and Award page any and all subcontractors to be associated with their bid, including the type of work to be performed. Any and all subcontractors shall be bound by all of the terms, conditions and requirements of the contract; however, the prime contractor shall be responsible for the performance of the total work requirements.
  
- B. The Contractor shall cooperate with the City of Kalamazoo in meeting its commitments and goals with regard to maximum utilization of minority and women business enterprise and shall use its best efforts to ensure that minority and women business enterprises have maximum practicable opportunity to compete for subcontract work under this agreement.

**SECTION VI  
TERMS AND CONDITIONS**

**1. AWARD OF CONTRACT**

1.1 This contract will be awarded to that responsible bidder whose bid, conforming to this solicitation, will be most advantageous to the City, price and other factors considered. The City reserves the right to accept or reject any or all bids and waive informalities and minor irregularities in bids received. Other factors include, as an example but not limited to, delivery time, conformance to specifications, incidental costs such as demurrage and deposits, etc.

Notification of award will be in writing by the Purchasing Agent. Upon notification, the Contractor shall submit to the Purchasing Division all required insurance certificates (if required) and such other documentation as may be requested or required hereunder. Upon their receipt and subsequent approval by the City, the Purchasing Agent will forward to the Contractor a written **NOTICE TO PROCEED**. Work shall **NOT** be started until such **NOTICE TO PROCEED** is received by the Contractor.

1.2 Unilateral changes in bid prices by the bidder shall not be allowed. However, the City, at its sole option, reserves the right to negotiate with bidders in the event of, but not limited to:

1.2.1 No bids received;

1.2.2 A single bid being received; or

1.2.3 Prices quoted or bid are over budget and/or unreasonable.

**2. COMPLETE CONTRACT**

This bid document together with its addenda, amendments, attachments, and modifications, when executed, becomes the complete contract between the parties hereto, and no verbal or oral promises or representations made in conjunction with the negotiation of this contract shall be binding on either party.

**3. SUBCONTRACTORS - NON-ASSIGNMENT**

Bidders shall state in writing any and all sub-contractors to be associated with this bid, including the type of work to be performed. The Contractor shall cooperate with the City of Kalamazoo in meeting its commitments and goals with regard to maximum utilization of minority and women-owned business enterprises.

The Contractor hereby agrees and understands that the contract resulting from this solicitation shall not be transferred, assigned, or sublet without prior written consent of the City of Kalamazoo.

**4. TAXES**

The City of Kalamazoo is exempt from all federal excise tax and state sales and use taxes.

**5. INVOICING**

**All original invoice(s) will be sent to the Financial Services Division, 241 W. South Street, Kalamazoo, MI 49007 or via email at [apinvoice@kalamazoocity.org](mailto:apinvoice@kalamazoocity.org).** The Finance Division processes payments after receipt of an original invoice from the Contractor and approval by the department. The City of Kalamazoo's policy is to pay invoice(s) within 30 days from the receipt of the original invoice, if the services or supplies are satisfactory and the proper paperwork and procedures have been followed. **In order to guarantee payment to the vendor on a timely basis, the vendor needs to receive a purchase order number before supplying the City of Kalamazoo with goods or services.** All original, and copies of original invoice(s), will clearly state which purchase order they are being billed against.

**The City of Kalamazoo is a government municipality and therefore is tax exempt from all sales tax.**

**The vendor is responsible for supplying the Finance Division with a copy of their W9 if they are providing a service to the City of Kalamazoo.**

**6. PAYMENTS**

Unless otherwise specified by the City in this contract, the Contractor will be paid in not more than thirty (30) days after receipt of a properly executed invoice, the sum stipulated herein for supplies delivered and accepted, or service rendered and accepted. Payments are processed by the Management Services Financial Services Division after receipt of an original invoice from the Contractor and approval by the department.

**7. CHANGES AND/OR CONTRACT MODIFICATIONS**

The City reserves the right to increase or decrease quantities, service or requirements, or make any changes necessary at any time during the term of this contract, or any negotiated extension thereof. Price adjustments due to any of the foregoing changes shall be negotiated and mutually agreed upon by the Contractor and the City.

Changes of any nature after contract award which reflect an increase or decrease in requirements or costs shall not be permitted without prior approval by the Purchasing Agent. City Commission approval may also be required.

**ANY CHANGES PERFORMED IN ADVANCE OF PURCHASING AGENT APPROVAL MAY BE SUBJECT TO DENIAL AND NON-PAYMENT.**

**8. LAWS, ORDINANCES AND REGULATIONS**

The Contractor shall keep himself/herself fully informed of all local, state, and federal laws, ordinances and regulations in any manner affecting those engaged or employed in the work and the equipment used. Contractor and/or employees shall, at all times, serve and comply with such laws, ordinances and regulations.

Any permits, licenses, certificates, or fees required for the performance of the work shall be obtained and paid for by the Contractor.

This contract shall be governed by the laws of the State of Michigan.

**9. RIGHT TO AUDIT**

The City or its designee shall be entitled to audit all the Contractor's records, and shall be allowed to interview any of the Contractor's employees, throughout the term of this contract and for a period of three years after final payment or longer if required by law to the extent necessary to adequately permit evaluation and verification of:

- A. Contractor compliance with contract requirements,
- B. Compliance with provisions for pricing change orders, invoices or claims submitted by the Contractor or any of his payees.

**10. HOLD HARMLESS**

If the negligent acts or omissions of the Contractor/Vendor or its employees, agents or officers, cause injury to person or property, the Contractor/Vendor shall indemnify and save harmless the City of Kalamazoo, its agents, officials, and employees against all claims, judgments, losses, damages, demands, and payments of any kind to persons or property to the extent occasioned from any claim or demand arising therefrom.

**11. DEFAULT**

The City may at any time, by written notice to the Contractor, terminate this contract and the Contractor's right to proceed with the work, for just cause, which shall include, but is not limited to the following:

- A. Failure to provide insurance and bonds (when called for), in the exact amounts and within the time specified or any extension thereof.

**DEFAULT (Cont.)**

- B. Failure to make delivery of the supplies, or to perform the services within the time specified herein, or any extension thereof.
- C. The unauthorized substitution of articles for those bid and specified.
- D. Failure to make progress if such failure endangers performance of the contract in accordance with its terms.
- E. Failure to perform in compliance with any provision of the contract.
- F. **Standard of Performance** - Contractor guarantees the performance of the commodities, goods or services rendered herein in accordance with the accepted standards of the industry or industries concerned herein, except that if this specification calls for higher standards, then such higher standards shall be provided.

Upon notice by the City of Contractor's failure to comply with such standards or to otherwise be in default of this contract in any manner following the Notice to Proceed, Contractor shall immediately remedy said defective performance in a manner acceptable to the City. Should Contractor fail to immediately correct said defective performance, said failure shall be considered a breach of this contract and grounds for termination of the same by the City.

In the event of any breach of this contract by Contractor, Contractor shall pay any cost to the City caused by said breach including but not limited to the replacement cost of such goods or services with another Contractor.

The City reserves the right to withhold any or all payments until any defects in performance have been satisfactorily corrected.

In the event the Contractor is in breach of this contract in any manner, and such breach has not been satisfactorily corrected, the City may bar the Contractor from being awarded any future City contracts.

- G. All remedies available to the City herein are cumulative and the election of one remedy by the City shall not be a waiver of any other remedy available to the City either listed in this contract or available by operation of law.

**12. TERMINATION OF CONTRACT**

The City may, at any time and without cause, suspend the work of this contract for a period of not more than ninety days after providing notice in writing to the Contractor. The Contractor shall be allowed an adjustment in the contract price or an extension of the contract times, or both, directly attributable to the suspension if Contractor makes an approved claim.

The City may, without prejudice to any other right or remedy of the City, and with or without cause, terminate the contract by giving seven days written notice to the Contractor. In such case the Contractor shall be paid, without duplication, for the following items:

- A. Completed and acceptable work executed in accordance with the contract documents prior to the effective date of termination, including fair and reasonable sums for overhead and profit on such work;
- B. Expenses sustained prior to the effective date of termination in performing services and furnishing labor, materials or equipment as required by the contract documents in connection with uncompleted work, plus fair and reasonable sums for overhead and profit on such expenses;
- C. All documented claims, costs, losses, and damages incurred in settlement of terminated contracts with Subcontractors, Suppliers, and others; and

**TERMINATION OF CONTRACT (Cont.)**

D. Reasonable expenses directly attributable to termination.

The Contractor shall not be paid on account of loss of anticipated profits or revenue or other economic loss arising out of or resulting from such termination.

**13. INDEPENDENT CONTRACTOR**

At all times, the Contractor, any of his/her employees, or his/her sub-contractors and their subsequent employees shall be considered independent contractors and not as City employees. The Contractor shall exercise all supervisory control and general control over all workers' duties, payment of wages to Contractor's employees and the right to hire, fire and discipline their employees and workers. As an independent contractor, payment under this contract shall not be subject to any withholding for tax, social security, or other purposes, nor shall the Contractor or his/her employees be entitled to sick leave, pension benefit, vacation, medical benefits, life insurance or workers' unemployment compensation or the like.

**14. MEETINGS**

The Contractor and/or Project Supervisor shall be available to meet with the Department Head or Project Manager at a mutually agreeable time to discuss problems, issues or concerns relative to the contract. Either party may call a meeting at any time. When such a request for a meeting is made, the meeting date shall, in no case exceed five (5) working days after the request; and, if in the sole opinion of the Department Head, the severity of the circumstance warrants, no more than one (1) working day.

**15. INSPECTION OF WORK SITE**

Before submitting bids or quotes for work, the Contractor shall be responsible for examining the work site and satisfying himself/herself as to the existing conditions under which he/she will be obligated to operate, or that in any way affects the work under this contract. No allowance shall be made subsequently, in behalf of the Contractor, for any negligence on his/her part.

**16. CONTRACT PERIOD, EXTENSIONS, CANCELLATION**

- A. The contract shall be in effect for the term stated in the specifications.
- B. The City may opt to extend this contract upon mutual agreement of both parties. The number of extensions shall be limited to that stated in the specifications.
- C. The City may, from time to time, find it necessary to continue this contract on a month-to-month basis only, not to exceed a six (6) month period. Such month-to-month extended periods shall be by mutual agreement of both parties, with all provisions of the original contract or any extension thereof remaining in full force and effect.
- D. All contracts, extensions and cost increases are subject to availability of funds and the approval of the City Commission (if required).
- E. The City reserves the right to cancel the contract due to non-appropriation of funds by the City with thirty (30) days written notice.
- F. Either party may terminate the contract (or any extension thereof) without cause at the end of any twelve (12) month term by giving written notice of such intent at least 60 days prior to the end of said twelve (12) month term.
- G. All notices are in effect commencing with the date of mailing. Written notices may be delivered in person or sent by First Class mail; emailed to the last known address.
- H. If cancellation is for default of contract due to non-performance, the contract may be canceled at any time (see Item 11, DEFAULT)

**APPENDIX A**  
**NON-DISCRIMINATION CLAUSE FOR ALL CITY OF KALAMAZOO CONTRACTS**

The Contractor agrees to comply with the Federal Civil Rights Act of 1964 as amended; the Federal Civil Rights Act of 1991 as amended; the Americans With Disabilities Act of 1990 as amended; the Elliott-Larson Civil Rights Act, Act. No. 453, Public Act of 1976 as amended; the Michigan Handicappers Civil Rights Act, Act No. 220, Public Act of 1976 as amended, City Ordinance 1856 and all other applicable Federal and State laws. The Contractor agrees as follows:

1. The Contractor will not discriminate against any employee or applicant for employment because of race, color, religion, national origin, sex, age, height, weight, marital status, physical or mental disability, family status, sexual orientation or gender identity that is unrelated to the individual's ability to perform the duties of the particular job or position. Such action shall include, but not be limited to the following: employment, upgrading, demotion or transfer, recruitment advertising, layoff, or termination; rates of pay or other forms of compensations; and selection for training, including apprenticeship.
2. The Contractor will, in all solicitations or advertisements for employees placed by or on behalf of the Contractor, state that all qualified applicants will receive consideration for employment without regard to race, color, religion, national origin, sex, age, height, weight, marital status, physical or mental disability family status, sexual orientation or gender identity that is unrelated to the individuals ability to perform the duties of the particular job or position.
3. If requested by the City, the Contractor shall furnish information regarding practices, policies and programs and employment statistics for the Contractor and subcontractors. The Contractor and subcontractors shall permit access to all books, records, and accounts regarding employment practices by agents and representatives of the City duly charged with investigative duties to assure compliance with this clause.
4. Breach of the covenants herein may be regarded as a material breach of the contract or purchasing agreement as provided in the Elliott-Larsen Civil Rights Act and City Ordinance 1856.
5. The Contractor will include or incorporate by reference the provisions of the foregoing paragraphs 1 through 4 in every subcontract or purchase order unless exempted by the rules, regulations, or orders of the Michigan Civil Rights Commission\* and will provide in every subcontract or purchase order that said provision will be binding upon each subcontractor or seller.
6. The Contractor will not preclude a person with a criminal conviction from being considered for employment unless otherwise precluded by federal or state law. (for contracts over \$25,000)

The Elliott-Larson Civil Rights Act, Sec. 202 of Act. No. 453 of 1976 reads in part as follows:

Sec. 202. (1) An employer shall not:

- (a) Fail or refuse to hire, or recruit, or discharge or otherwise discriminate against an individual with respect to employment, compensation, or a term condition or privilege of employment because of religion, race, color, national origin, age, sex, height, weight, or marital status.
- (b) Limit, segregate or classify an employee or applicant for employment in a way which deprives or tends to deprive the employee or applicant of an employment opportunity or otherwise adversely affects the status of an employee or applicant because of religion, race, color, national origin, age, sex, height, weight, or marital status.
- (c) Segregate, classify or otherwise discriminate against a person on the basis of sex with respect to a term, condition or privilege of employment, including a benefit plan or system.

- Except for contracts entered into with parties employing less than three employees. 1-2010



***Landscape Requirements***

**2025 Tree Planting**

**Bid Reference #: 59575-040.0**

**August 2025**

815.01

**Section 815. LANDSCAPING**

**815.01. Description.** This work consists of providing and planting trees, shrubs, and other plants, including replacements, classified as nursery stock. The Engineer may inspect, select, and reject plants anytime through the second year of the establishment period.

**815.02. Materials.** Provide materials in accordance with the following:

Topsoil .....	917
Peat Moss.....	917
Compost .....	917
Fertilizer .....	917
Water .....	911
Nursery Stock .....	917
Mulching Materials.....	917
Tree Wrapping Materials .....	917
Balling Material .....	917
Wire .....	917
Hose .....	917
Stakes.....	917

**815.03. Construction.**

A. **Prepared Soil.** Use prepared soil for landscaping, consisting of a uniform mixture of topsoil, peat moss or compost, and fertilizer. Proportion the prepared soil so that 1 cubic yard of the prepared soil contains  $\frac{3}{4}$  cubic yard topsoil,  $\frac{1}{4}$  cubic yard of peat moss or compost, and chemical fertilizer as specified in subsection 917.10.A.1.

Thoroughly mix the component materials before final placement.

B. **Site Preparation.** Excavate holes, centered at staked locations, to a diameter that allows 18 inches of prepared soil beyond the ends of bare roots or root balls. The Engineer will approve variance in the size of planting holes as soil conditions or plant requirements dictate. Set the root ball on undisturbed soil at the required depth.

Remove excavated material from the site and dispose of it outside the right-of-way in accordance with subsection 205.03.P. Backfill the planting holes with prepared soil the same day they are dug.

C. **Preparation of Shipments.** Label a sample of each plant species and variety. Provide balled and burlapped or container-grown plants unless otherwise required.

Prepare nursery stock for shipment in accordance with the current ANSI Z60.1 requirements and enclose or cover during transportation to prevent drying.

1. **Balled and Burlapped Stock.** In preparation for spring planting, complete balling and burlapping before bud break. In preparation for planting deciduous plants in the fall, do not begin balling until after the plants begin to harden off. Dig and pack balled and burlapped stock immediately before shipment. Dig, prepare, and transport plants to provide and retain a firm ball of earth. Protect the root balls with wet straw, mulch, or other material approved by the Engineer. Protect the root balls from rain or sudden changes in the weather. The Engineer will not accept trees or plants if root balls are loosened or broken.
2. **Container Grown Stock.** Ensure container grown stock is grown in the container for at least one growing season. The Engineer will not accept plants, other than ground cover plants, with pot-bound root ends.
3. **Bare Root Stock.** Do not injure or remove fibrous feeder roots when digging and packing bare root stock. Maintain the root moisture while transporting the stock to the planting site.

**D. Seasonal Limitations.** Plant deciduous plants from March 1 to May 15 and from October 1 until the prepared soil freezes. If unusual planting conditions exist or if using container-grown material, the Engineer may alter these planting seasons.

Plant evergreen plants from March 1 to June 1.

**E. Care of Plants Before Planting.** Immediately following delivery and inspection at the project, heel-in plants with exposed roots in moist soil. Protect heeled-in plants and keep their roots moist until planted. Use a protected, shaded area, or a well-ventilated enclosure for the heeling-in grounds.

Keep the roots of planting stock moist and protected.

Protect tree trunks and branches from injury. The Engineer may reject injured trees.

**F. Planting.** Do not begin planting until water is available at the project. Water-in plants as they are planted. Water-in the prepared soil around the root ball and roots and firm the soil at intervals during the planting process. Saturate the prepared soil in the planting hole.

## 815.03

1. **Plants Located on Slopes.** For plants located on slopes, construct a berm of prepared soil half way around each plant on the down slope side. Construct the berm of prepared soil with an inside diameter equal to the planting hole diameter, and no greater than 6 inches high. Do not make the base of the berm more than 18 inches wide.
  2. **Balled and Burlapped Stock.** Set plants plumb. Plant balled and burlapped stock so the depth, after settling, compared to the surrounding ground surface is the same as the depth at the original location of the balled stock. Water-in the prepared soil and eliminate air pockets by tamping the soil at intervals under and around the ball. Do not damage the root ball during tamping operations. After backfilling and tamping the plant hole to half the required depth, remove the burlap and lacing from around the trunk and the upper half of the ball. Continue backfilling the hole with prepared soil until the soil is flush with the ground surface after compaction.
  3. **Container Grown Stock.** Remove container grown plants from the containers at the time of planting. Plant container grown stock in accordance with subsection 815.03.F.2. The Engineer may reject plants with a broken or loosened root and soil ball mass.
  4. **Bare Root Stock.** Preserve the root growth on bare root stock. Do not prune the roots except to remove broken or damaged roots. Plant bare root stock so the depth, after settling, compared to the surrounding ground surface is the same as the depth at the original location of the bare root stock. Hold the exposed roots in the required position with the roots spread out during backfilling and compacting.
  5. **Mulching.** After backfilling is complete, place from 5 inches to 6 inches of shredded bark over the plant hole area.
- G. **Pruning Branches.** Ensure an arborist, certified by the International Society of Arboriculture, prunes branches before planting. Do not use pruning paint.
1. **Deciduous Trees.** Prune deciduous trees to remove dead wood and broken branches. The Engineer may require additional pruning. Prune so that the crown height is one-half the trunk height. Do not cut the primary leader back, unless otherwise required. Cut branches in accordance with ANSI A 300.
  2. **Deciduous Shrubs.** Ensure healthy, symmetrical growth of new wood by pruning deciduous shrubs to remove dead wood and broken branches, thin out canes and cut back or remove

asymmetrical branches and other growth. Prune shrubs to form an outline conforming to the general shape of the shrub type.

3. **Evergreen Trees and Shrubs.** Prune evergreens to remove broken or damaged branches.

H. **Wrapping Deciduous Trees.** Wrap deciduous trees within one week after planting. Wrap the trunk, beginning at the base, just above the roots, below the normal ground line, and extend upward in a spiral with an overlap of half the width of the wrapping strip. Cover the portion of the wrapping below the finished grade with soil. Hold the paper in place with masking tape in at least 5 locations, including the top and bottom of wrapping. Overlap the tape at least 4 times in each of the 5 locations.

I. **Clean Up.** Upon completion of planting, immediately clean up, remove, and dispose of surplus material off site. Repair ruts and turf damage resulting from the planting operation and re-establish turf in these areas in accordance with subsection 816.03 and as directed by the Engineer. Complete clean up before June 1.

J. **Watering and Cultivating.** In addition to the watering-in required at the time of planting, water, cultivate, and remove grass and weeds around each plant at least 5 times during each of the two growing seasons of the establishment period. The Engineer may add or subtract watering as conditions warrant. Notify the Engineer at least 3 days before each watering.

During each watering and cultivation, remove grass and weeds within the mulch ring. Cut grass to 3 inches high, 12 inches beyond the outside perimeter of the mulch ring. Inspect landscaping and remove insect infestations or disease damage to the plants and prune dead wood.

During the first and second watering of the second growing season, use a nitrogen-enriched solution as specified in subsection 917.10.A.2. Apply fertilizer before July 7.

At the first watering of the second growing season, remove and dispose of the guying material, wrapping material, identification tags, and inspection tags. At the final watering, replenish the mulch around the plants to a depth of 5 inches to 6 inches.

1. **Watering with Probe.** Water with a probe that meets the following requirements:
  - a. Is long enough to extend to the depth of the root ball;
  - b. Has a diameter no greater than 1 inch;
  - c. Has a closed pointed end with holes in the lower 4 inches; and

815.03

- d. Is equipped with a control valve for regulating water pressure and volume.

Insert the probe next to the root ball in at least three equally spaced locations around the plant. Adjust the pressure so little or no run-off occurs before placement of the required amount of water. After extracting the probe, close or fill holes remaining in the soil.

2. **Quantity of Water.** Use the following volumes of water for the specified plants:
  - a. For shade trees, 35 gallons per watering;
  - b. For intermediate plants and evergreen trees, 20 gallons; and
  - c. For shrubs, 5 gallons.
3. **Watering and Cultivating Periods.** Water and cultivate during each of the following periods:
  - a. From June 1 to June 15,
  - b. From June 23 to July 7,
  - c. From July 15 to July 29,
  - d. From August 4 to August 18, and
  - e. From September 5 to September 19.

K. **Bracing and Guying.** Brace or guy deciduous trees immediately after wrapping. Brace or guy evergreen trees and bare-rooted deciduous trees immediately after planting.

1. For evergreen trees, use at least the following number of stakes:
  - a. For trees higher than 6 feet, 3 stakes; and
  - b. For trees 6 feet high or less, 2 stakes;
2. For bare-root stock, use at least 2 stakes;
3. For balled stock, use at least the following number of stakes:
  - a. For low-headed trees, 1 stake (the Engineer may omit); and
  - b. For deciduous clump trees, 2 or 3 stakes;
4. For balled stock, deciduous, but not low-headed trees use at least the following number of stakes:
  - a. For calipers greater than 4 inches, 3 stakes;
  - b. For calipers from 2 inches to 4 inches or at least 8 feet high, 2 stakes; and
  - c. For calipers less than 2 inches or less than 8 feet high, 1 stake.

Place one stake on the west side of the plant. If using two stakes, position them on opposite sides of the trunk and secure each stake to the trunk at two-thirds the height of the tree. If three stakes are required, use the tripod method of guying.

To avoid the root ball, anchor the tree by driving stakes no closer than 1 foot from the trunk. Drive stakes parallel to the trunk to within 4 inches of the lower main branches remaining after pruning. Maintain bracing stakes at a uniform height for similar plant or tree sizes throughout the project. Attach the top of the stake to the trunk with No. 11 wire and form a figure-eight shape around the stake and trunk. Encase the wire loop that contacts the tree trunk with sections of hose that extends 6 inches beyond either side of the trunk. Twist guy wires so they do not restrict normal trunk growth and the trunk can move laterally 1 inch to 2 inches. For deciduous clumps, attach each stem to a support stake.

Use three No. 11 wires for the tripod method of tree guying. Encircle the trunk with one end of each guy wire. Encircle the trunk of deciduous trees just above the lower main branches and evergreen trees at a point two-thirds the height of the tree. Encase the wire encircling the trunk in hose that extends 6 inches beyond either side of the trunk. Fasten the other end of each guy to stakes equally spaced around the tree. Place the stakes away from the tree a distance equal to three-quarters the vertical distance from the ground to where the guys are fastened to the trunk. Notch the anchor stakes to prevent the wire from slipping. Drive stakes to at least 18 inches deep and at an angle so the tops point away from the tree.

For the duration of the contract, replace blown down trees or trees damaged by improper bracing or guying at no additional cost to the Department.

Brace or guy replacement plants, planted at the beginning of the second growing season. Maintain guying and wrapping material until project completion, and then remove.

L. **Period of Establishment.** The contract requires an establishment period beginning at the completion of the initial planting and extending through the following two growing seasons. A growing season is the months of June, July, and August.

Provide plants in a healthy growing condition at the start of the establishment period. The Engineer will inspect the plants at the end of the first and second growing seasons to determine acceptability. The Engineer will consider plants unacceptable if they are dead, missing, unhealthy, or otherwise unsatisfactory at the time of inspection, or not planted as required.

Remove dead evergreen plants before winter. Plant replacement plants in accordance with subsection 815.03.F, before May 10 of the following spring planting season. Water replacement plants, planted after the first

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growing season, at the same time and in the same manner as the other plants receiving their second season watering.

Unacceptable plants identified by the Engineer at the end of the second growing season do not require replacement. Remove these plants along with guying materials and dispose of removed plants and guying material off the project.

**815.04. Measurement and Payment.**

<b>Pay Item</b>	<b>Pay Unit</b>
Site Preparation, Max. (dollar).....	Lump Sum
(Botanical Name).....	Each
Watering and Cultivating, First Season, Min. (dollar).....	Lump Sum
Watering and Cultivating, Second Season, Min. (dollar).....	Lump Sum

A. **Site Preparation.** The unit price for **Site Preparation, Max (dollar)** includes the cost of digging holes, providing prepared soil, backfilling holes, and disposing of excess excavated material.

B. **Plants.** The Engineer will measure plants by the units shown on the plans and methods specified in ANSI Z 60.1. The Department will not pay for the pay item, **(Botanical Name)** until the plant is pruned, planted, watered-in, wrapped, braced or guyed, and mulched.

The Department will not make additional payments for replacement plants.

C. **Watering and Cultivating.**

1. **First Season.** The Department will pay 20 percent of the lump sum price for **Watering and Cultivating, First Season, Min. (dollar)** at the completion of each of the five watering and cultivating operations. Payment for **Watering and Cultivating, First Season, Min. (dollar)** includes the cost of the following:

- a. One watering and cultivating operation;
- b. Providing and mixing fertilizer with the water as required; and
- c. Removal and disposal of unacceptable plants.

2. **Second Season.** The Department will pay for **Watering and Cultivating, Second Season, Min. (dollar)** as a lump sum at the completion of the second growing season. The unit price of **Watering and Cultivating, Second Season, Min. (dollar)** includes the cost of the following:

- a. Five watering and cultivating operations;
- b. Providing and mixing fertilizer with the water;
- c. Removal and disposal of unacceptable plants; and

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- d. Removal of guying material identified by the Engineer at the end of the second growing season.

For each unacceptable plant identified, the Engineer will calculate a 50 percent reduction in the unit price for the relevant **(Botanical Name)** pay item, and will deduct that amount from the pay item, **Watering and Cultivating, Second Season, Min. (dollar)**.

- 3. **Supplemental Watering.** The Department will pay for supplemental watering, in addition to the 10 watering operations required, at 20 percent of the associated lump sum contract unit price. The Department will reduce the relevant lump sum contract unit price by 20 percent for each deleted watering.



***Tree Ordinance***

**2025 Tree Planting**

**Bid Reference #: 59575-040.0**

**August 2025**

917.01

### **Section 917. TURF AND LANDSCAPING MATERIALS**

**917.01. General Requirements.** Nursery stock, seed, sod, mulching material, and chemical fertilizer nutrients must meet the requirements of this section. Provide documentation of inspection for plant diseases and insect infestation in accordance with State and Federal laws.

**917.02. Testing.** The Engineer will require visual inspection or other acceptance tests of landscaping material as specified in this section or the Materials Quality Assurance Manual.

**917.03. Nursery Stock.** Nursery stock must come from nurseries located in Zone 4 or Zone 5 of the USDA Hardiness Zone Map for landscaping in the Lower Peninsula. Nursery stock must come from nurseries located in Zone 3 for landscaping in the Upper Peninsula. Nursery stock must meet the requirements of ANSI Z 60.1, except the ball sizes must be as shown on the plans.

Ensure nursery stock is true to the type and name specified by the *American Joint Committee on Horticultural Nomenclature*, "Standardized Plant Names." Label a sample of each plant type with the size, species, and variety. Include the common and scientific names on the label. Provide first-class quality stock with well-developed branch systems and vigorous, healthy root systems. Ensure uniform and straight tree trunks. The Department will reject nursery stock grown in sandy soils. Provide balled and burlapped trees, ornamentals, and shrubs unless otherwise required.

Notify the Engineer at least 24 hours before stock delivery. Provide an invoice showing plant sizes, species, and varieties for each shipment. The Engineer will not accept plants until the stock is delivered and inspected at the project.

The Engineer may examine plants at the nursery by removing soil from the root systems of balled or container grown plants, or digging in the nursery row. The Engineer may inspect plant root systems for each species and plant source to determine the condition of plant root systems. The Department will not pay for plants that fail the Engineer's root system inspection.

**A. Deciduous Shade Trees.** Deciduous shade trees must be straight and symmetrical with a persistent main leader. The crown must be in proportion to the total height of the tree.

Where clumps are required, they must have at least two stems originating from a common base at the groundline.

**B. Small Trees, Ornamentals, and Shrubs.** Small trees, ornamentals, and shrubs must be well-formed with a crown typical of the species or variety. The Engineer will not allow heading-back plants to meet the sizes shown on the plans.

**C. Evergreen Trees.** Evergreen trees must be typical of the species and not sheared or color treated. Do not use evergreen trees grown for Christmas trees. The Engineer may require anti-transpirant protection for evergreen trees.

**D. Vines and Ground Cover Plants.** Vines and ground cover plants must be in individual containers. Plants must be at least 1 year old, grown in pots long enough to ensure root growth capable of holding soil in place and retaining the container shape when removed from the pot. Vines must have at least four runners 1½ feet long. Tops of ground cover plants must be proportional to the root systems and typical of species or variety.

**917.04. Tree Wrapping Materials.** Wrap trees with waterproof crepe tree wrapping paper and secure with 2-inch wide masking tape. Use tree wrapping paper at least 3 inches wide, consisting of two layers of crepe kraft paper cemented together with asphalt, weighing at least 30 pounds per ream.

**917.05. Balling Material.** Use untreated burlap as balling material. Do not use synthetic balling materials such as nylon or plastic.

**917.06. Bracing and Guying Materials.**

**A. Wire.** For trees less than 4 inches in diameter, provide No. 11 galvanized steel guy wire. For trees with a diameter greater than 4 inches, provide No. 9 galvanized steel guy wire. Provide new wire free of bends and kinks.

**B. Hose.** Provide ¾ inch reinforced rubber garden hose or steam hose.

**C. Stakes.** Provide green metal T-section posts without anchor plates for bracing trees. For shade trees, posts must be at least 8 feet long. For evergreen trees, posts must be at least 6 feet long.

Provide nominal 2 inch by 4 inch stock stakes 24 inches long for guying plants. Stakes must be beveled on two or four sides to provide a point on one end.

**917.07. Topsoil.** The Engineer will visually inspect topsoil for organic contamination and cleanliness at the source prior to transport to the project site. Obtain the Engineer's approval of salvaged topsoil prior to use. Topsoil must meet the following requirements:

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- A. Must not be contaminated;
- B. Must not be excessively acidic or excessively alkaline;
- C. Must not contain natural underlying soils, subbase materials, or other deleterious material;
- D. Must consist of natural loam, sandy loam, silty loam, or clay loam humus-bearing soils adapted to sustain plant life; and
- E. Must be of mineral origin, exclusive of peat or muck.

**917.08. Compost.** The Engineer will visually inspect and approve the compost at the composting site for physical contaminants.

Compost must be mature, stabilized, humus-like, dark brown or black compost derived from the aerobic decomposition of yard clippings or other compostable materials as defined in 1995 PA 451, Part 115 Solid Waste Management, and federal and state laws. Compost must meet the following requirements:

- A. Must be capable of supporting plant growth;
- B. Must be free of objectionable odor, plastic, glass, metal, or other physical contaminants;
- C. Must not contain viable weed seeds, or other plant parts capable of reproducing; the exception is for airborne weed species; and
- D. Must not produce visible free water or dust during handling.

**917.09. Peat Moss.** Peat moss must consist of finely shredded sphagnum or fibrous peat moss of a Department-approved commercial grade, free of woody substance.

**917.10. Fertilizers.** Provide standard, commercial, packaged, or bulk product fertilizers in granular or liquid form for landscape planting, landscape plant watering, seeding, and sodding. Each container of packaged fertilizer must be marked with the content analysis showing the minimum percentages of total nitrogen, available phosphoric acid, and soluble potash. If providing bulk fertilizer, provide an invoice with each shipment indicating the minimum percentages of total nitrogen, available phosphoric acid, and soluble potash.

**A. Landscape Fertilizers.**

1. **Planting Fertilizers.** For mixing with peat moss and topsoil, provide ready-mixed granular fertilizer containing equal amounts of phosphorus and potassium by weight. Each cubic yard of prepared soil must contain chemical fertilizer to provide 1 pound of available phosphorus and 1 pound of available soluble potassium.

2. **Watering Fertilizers.** For application during watering, provide water soluble, nitrogen-enriched fertilizer containing 8.3 pounds of available nitrogen per 1,000 gallons of water.
- B. **Seeding and Sodding Fertilizers.** Ensure fertilizers in each class contain a water insoluble and water-soluble component.
  1. **Class A.** Provide and apply Class A chemical nutrient fertilizer as specified by this subsection and as indicated by soil tests, when required.
    - a. **Water Insoluble Fertilizer.** Apply 32 pounds of water insoluble nitrogen per acre (i.e. 128 pounds of Ureaform or 115 of IBDU, etc.). Provide the water insoluble nitrogen from ureaformaldehydes, coarse grade isobutylidene diurea, or both.
    - b. **Water Soluble Fertilizer.** Apply 48 pounds of nitrogen, phosphorous, and potassium nutrient per acre (i.e. 253 pounds of 19-19-19, 400 pounds of 12-12-12, etc.). Provide water soluble fertilizer containing a 1:1:1 ratio of nitrogen, phosphorous, and potassium. Ensure fertilizer components include urea, diammonium phosphate, and potassium chloride.
  2. **Class B.** Provide and apply Class B chemical nutrient fertilizer as specified by this subsection and as indicated by soil tests, when required.
    - a. **Water Insoluble Fertilizer.** Apply 32 pounds of water insoluble nitrogen per acre. Provide the water insoluble nitrogen from ureaformaldehydes, coarse grade isobutylidene diurea, or both.
    - b. **Water Soluble Fertilizer.** Apply nitrogen at a rate of 48 pounds of nutrient per acre and 40 pounds of potassium per acre. Ensure fertilizer components include urea and potassium chloride.
  3. **Class C.** Provide and apply Class C chemical nutrient fertilizer as specified by this subsection and as indicated by soil tests, when required.
    - a. **Water Insoluble Fertilizer.** Apply 32 pounds of water insoluble nitrogen per acre. Provide water insoluble nitrogen from ureaformaldehydes, coarse grade isobutylidene diurea, or both.
    - b. **Water Soluble Fertilizer.** Apply nitrogen at a rate of 48 pounds of nutrient per acre. Ensure fertilizer components include urea.

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**917.11. Water.** Use water that meets the requirements of section 911 and that is free from any impurities or substances that might injure the plant.

**917.12. Seed.** Provide the required certified seed and mixture meeting the purity, germination, and proportions specified in Table 917-1. Select seed of each species from the Qualified Products List. Supply seed in durable bags, with a tag marked by the manufacturer and supplier of the blended mix showing the species and variety name, lot number, net weight of contents, purity, and germination.

Seed must be tested in accordance with *The Proceedings of the Association of Official Seed Analysts*, "Rules for Testing Seeds." The Engineer will evaluate deficiencies below the percentage required for purity and germination, to determine acceptability.

**917.13. Sod.** Provide sod consisting of a densely rooted blend of at least two bluegrass varieties with at least 30 percent creeping red fescue content, free of weeds, and grown on the same or similar soil as the topsoil on the project. Obtain the Engineer's approval of the sod in the sod field before harvesting. Select sod capable of adapting to the topsoil on the project and future maintenance needs. Before cutting the sod, mow the grass to 3 inches to 4 inches above the ground surface.

Cut the sod from ½ inch to ¾ inch thick. If cutting sod into strips, cut in small uniform units of approximately 10 square feet per roll to ensure ease of handling of the sod without tearing or breaking. The sod may be cut, transported, and laid in large rolls with machinery designed for that purpose.

A. **Pegs for Sodding.** Provide pegs of sound wood, at least 10 inches long, with a cross-sectional area of at least 0.75 square inches for pegging sod. The Engineer may require longer pegs in sandy or similar soils.

**917.14. Mulching Materials for Nursery Stock.**

A. **Shredded Bark.** Provide shredded bark consisting of tree bark stripped and shredded from saw logs with a de-barking machine. Shredded bark mulch must be capable of passing through a conventional mulch blower. Do not use wood chips.

**917.15. Mulch for Seed.**

A. **Loose Mulch.** Provide clean, undamaged, and rot free straw in an air-dry condition for loose mulch. Loose mulch must be free of weed seeds or other deleterious material.

**B. Turf Mulch Blankets.** Select turf mulch blankets from the Qualified Products List.

1. **High Velocity Mulch Blankets.** High velocity mulch blankets must have net covering on two sides. The net must meet the requirements of subsection 917.15.D.1 and be capable of reinforcing the blanket to prevent damage during shipping, handling, and installation.

a. **High Velocity Excelsior Mulch Blankets.** Provide high velocity excelsior mulch blankets that meets the following requirements:

- i. Blanket must consist of a uniform layer of interlocking excelsior fibers cut from sound, green timber;
- ii. The average roll weight, for an entire shipment, must be 12 ounces per square yard  $\pm 10$  percent;
- iii. Blankets must be shipped in tightly compressed rolls; and
- iv. Each roll must have the roll weight and the manufacturer name written or stenciled on the roll wrapper or on an attached tag.

b. **High Velocity Straw Mulch Blankets.** Provide high velocity straw mulch blankets that meet the following requirements:

- i. Blankets must consist of a uniform layer of clean wheat straw, free of weeds and weed seed;
- ii. When dry, the blankets must weigh 8 ounces per square yard  $\pm 10$  percent;
- iii. The straw and net must be stitched together to create a uniform mat;
- iv. Blankets must be shipped in tightly compressed rolls; and
- v. Each roll must have the roll weight and the manufacturer name written or stenciled on the roll wrapper or on an attached tag.

2. **Mulch Blankets.**

a. **Excelsior Mulch Blankets.** Provide excelsior mulch blankets meeting the requirements of high velocity excelsior mulch blankets except the blankets must weigh from 8 ounces to 12 ounces per square yard and have netting on one side.

b. **Straw Mulch Blankets.** Provide straw mulch blankets meeting the requirements of high velocity straw mulch blankets, except the blankets must have netting on one side.

**C. Mulch Anchoring.** Select mulch anchoring material from the Qualified Products List.

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1. **Latex-Base.** Provide latex-base mulch anchoring material composed of 48 percent styrene, 50 percent butadiene, and 2 percent additive, by weight. The mulch anchoring material must contain from 42.0 percent to 46.0 percent solids and a pH, as shipped, from 8.5 to 10.0. Protect the emulsion from freezing or prolonged exposure to sunlight.
2. **Recycled Newsprint.** Provide recycled newsprint mulch consisting of specifically prepared, biodegradable, shredded, recycled newsprint fibers. The recycled newsprint fiber must:
  - a. Have a moisture content (total weight) no greater than 12 percent;
  - b. Have a high-grade newsprint content of at least 96 percent by weight (oven-dry);
  - c. Include tackifier content from 1.5 percent to 3 percent by weight;
  - d. Have a water holding capacity of at least 32 ounces per 3.5 ounces of fiber;
  - e. Contain a wetting agent and a defoaming agent; and
  - f. Contain a nontoxic bright green or blue dyestuff that adheres to the fiber to minimize leaching of the color after application.
3. **Wood Fiber.** Provide specially prepared, biodegradable, air-dried, virgin wood fibers manufactured from 100 percent whole wood chips. Do not use recycled materials. The wood fiber must:
  - a. Have a moisture content (total weight) no greater than 12 percent;
  - b. Have an organic wood fiber content of at least 95 percent by weight (oven-dry);
  - c. Include tackifier content from 3 percent to 5 percent by weight;
  - d. Have a water holding capacity of at least 35 ounces per 3.5 ounces of fiber;
  - e. Be dyed with a green or blue biodegradable dye; and
  - f. Contain no growth or germination inhibiting materials.
4. **Guar Gum.** Provide guar gum tackifiers consisting of at least 95 percent guar gum by weight with the remaining 5 percent by weight consisting of dispersing and crosslinking additives.
5. **Other Tackifiers.** The Contractor may provide water-soluble natural vegetable gums, guar gums blended with gelling and hardening agents, or a water-soluble blend of hydrophilic polymers, viscosifiers, sticking aids, and other gums as tackifiers.

**D. Mulch Netting.**

1. **Netting.** Provide mulch net with a mesh size from ½ inch by ½ inch to 1½ inches by 2 inches, formulated from or treated with a chemical that promotes the breakdown of the net within the first growing season after placement.

Mulch netting must be strong enough to hold the mulch in place and still deteriorate when exposed to sunlight.

2. **Net Anchors.** Provide wood or other biodegradable net anchors, at least 6 inches in length, as approved by the Engineer. Do not use steel wire staples or pins to anchor mulch blankets or netting.

**917.16. Weed Control.** Provide herbicides registered for use on highway right-of-way by the Michigan Department of Agriculture and the United States Environmental Protection Agency. Obtain the Engineer's approval of herbicides prior to use. Do not use restricted use herbicides.

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Table 917-1 Seed Mixtures										
Species	Minimum Purity (percent)	Germination (percent)	Seed Mixture							
			Mixture Proportions (percent by weight)							
			TDS	THV	TUF	TGM	THM	CR	TSM 6 – 24	TSM >24
Kentucky Blue Grass	98	85	5	15	10	10	30	—	—	—
Perennial Ryegrass	96	85	25	30	20	20	20	—	50	50
Hard Fescue	97	85	25	—	20	30	—	—	—	—
Creeping Red Fescue	97	85	45	45	40	40	50	—	—	—
Fults Salt Grass	98	85	—	10	10	—	—	—	—	—
Cereal Rye	85	85	—	—	—	—	—	100	—	—
Spring Oats	85	85	—	—	—	—	—	—	50	50



*Planting Species*

**2025 Tree Planting**

**Bid Reference #: 59575-040.0**

**August 2025**

# Planting Species Information

The following species shall not be planted in the aforementioned locations: *Populus* Spp., (White Poplar or Aspen); *Acer negunda*, (Box Elder); *Acer saccharinum*, (Silver maple); *Ailanthus altissima*, (Tree of Heaven); *Catalpa*, (Catalpa); *Pyrus calleryana* (Callery pear); *Ulmus*, (American, Winged, Slippery, Rock, Cedar, and Siberian elm); *Juglans*, (English Walnut, Butternut, Black Walnut); *Robinia pseudoacacia*, (Black Locust); *Salix alba*, (Willow); *Abies*, (Fir); *Alnus*, (Alder); *Betula* Spp., (Paper Birch, Yellow Birch, Sweet Birch, River Birch, and Gray Birch); *Juniperus*, (Common Juniper); *Taxus*, (Yew); *Thuja*, (Cedar); *Sassafras albidum*, (Sassafras); *Elaeagnus angustifolia*, (Russian-Olive); *Maclura pomifera*, (Osage-Orange); *Morus alba*, (Mulberry); *Prunus serotina*, (Black Cherry); *Ginkgo biloba*, (Ginkgo or Maidenhair—female sex).

## **LARGE TREES**

Those trees which attain a height of 45 feet or more at maturity.

## **MEDIUM TREES**

Those trees which attain a height of 30 feet to 45 feet at maturity.

## **SMALL TREE**

Those trees which attain a height of less than 30 feet at maturity.

Small

- Choke Cherry (*Prunus virginiana*)
- Japanese Flowering Cherry (*Prunus serrulate*)
- Crabapple (*Malus sp.*)
- Dogwood (*Cornus sp.*)
- Hawthorne (*Crataegus sp.*)
- Japanese Lilac (*Syringa reticulata*)

- Magnolia sp.
- Freeman maple (*Acer freemanii*)
- Paperbark maple (*Acer griseum*)
- Trident maple (*Acer buergerianum*)
- Eastern redbud (*Cercis canadensis*)
- Serviceberry (*Amelanchier sp.*)
- Cornelian Cherry (*Cornus mas*)
- Purpleleaf plum (*Prunus cerasifera*)
- Yoshino Cherry (*Prunus x yedoensis*)

## Large

- Goldenrain tree (*Koelreuteria paniculate*)
- Honey locust (*Gleditsia triacanthos var. inermis*)
- Hedge maple (*Acer campestre*)
- Zelkova (*Zelkova serrata*)
- Turkish filbert (*Corylus colurna*)
- Hardy rubber tree (*Eucommia ulmoides*)
- Pagoda (*Styphnolobium japonicum*)
- Sawtooth oak (*Quercus acutissima*)
- American smoke tree (*Cotinus obovatus*)
- Amur maackia (*Maackia amurensis*)
- Frontier elm (*Ulmus 'Frontier'*)
- Kentucky coffee (*Gymnocladus dioicus*)
- Ginko (*Ginko biloba*)
- Hackberry (*Celtis occidentalis*)
- American linden (*Tilia Americana*)
- Littleleaf linden (*Tilia cordata*)
- Silver linden (*Tilia tomentosa*)
- Red maple (*Acer rubrum*)
- Sugar maple (*Acer saccharum*)
- London Planetree (*Platanus x acerifolia*)
- Dawn redwood (*Metasequoia glyptostroboides*)
- Tulip tree (*Liriodendron tulipifera*)
- Northern Red Oak (*Quercus rubra*)
- Swamp White Oak (*Quercus bicolor*)
- Pin Oak Rounded (*Quercus palustris*)
- Willow Oak (*Quercus phellos*)



***2025 Street Tree Planting Locations***

**2025 Tree Planting**

**Bid Reference #: 59575-040.0**

**August 2025**

ID	Size	Utility	Address	Street	Side	On Street	latitude	longitude
35210	Small	Electrical Distribution	608	Ada Street	Front	Ada Street	42.29856239	-85.59202777
35214	Small	Electrical Distribution	608	Ada Street	Front	Ada Street	42.29856397	-85.59195504
35232	Small	Electrical Distribution	532	Ada Street	Front	Ada Street	42.29858032	-85.59120564
27095	Small	Electrical Distribution	1825	Albert Avenue	Side	Center Street	42.30148222	-85.55659568
27091	Small	No Conductor Present	903	Alexander Street	Side	Southworth Terrace	42.30017105	-85.56012384
35573	Large	No Conductor Present	810	Ampersee Avenue	Front	Ampersee Avenue	42.29942372	-85.57016736
35579	Large	No Conductor Present	810	Ampersee Avenue	Front	Ampersee Avenue	42.29931689	-85.57014616
35468	Small	Electrical Distribution	812	Bridge Street	Side	Ampersee Avenue	42.29989022	-85.57042225
35657	Small	Electrical Distribution	812	Bridge Street	Side	Ampersee Avenue	42.2993287	-85.57031659
35661	Small	Electrical Distribution	812	Bridge Street	Side	Ampersee Avenue	42.29949861	-85.57034586
35668	Small	Electrical Distribution	812	Bridge Street	Side	Ampersee Avenue	42.29981586	-85.57040656
22049	Small	Electrical Distribution	1208	Bridge Street	Side	Gilbert Avenue	42.29903109	-85.56527983
411	Large	No Conductor Present	607	Bryant Street	Front	Bryant Street	42.27175277	-85.57337624
11356	Small	Electrical Distribution	214	Buchanan Avenue	Front	Buchanan Avenue	42.25289427	-85.58530501
11390	Small	Electrical Distribution	224	Buchanan Avenue	Front	Buchanan Avenue	42.25290324	-85.58595387
11399	Small	Electrical Distribution	310	Buchanan Avenue	Front	Buchanan Avenue	42.25290482	-85.58624265
11431	Small	Electrical Distribution	320	Buchanan Avenue	Front	Buchanan Avenue	42.25290694	-85.58656067
11443	Small	Electrical Distribution	324	Buchanan Avenue	Front	Buchanan Avenue	42.25291063	-85.58678528
11458	Small	No Conductor Present	3907	Buchanan Avenue	Side	Buchanan Avenue	42.25282302	-85.58930658
11215	Large	No Conductor Present	437	Buchanan Avenue	Front	Buchanan Avenue	42.25281827	-85.58872973
11224	Large	No Conductor Present	433	Buchanan Avenue	Front	Buchanan Avenue	42.25281669	-85.58854933
11242	Large	No Conductor Present	423	Buchanan Avenue	Front	Buchanan Avenue	42.25281246	-85.58820636
11252	Large	No Conductor Present	423	Buchanan Avenue	Front	Buchanan Avenue	42.25280982	-85.58802881
11366	Large	No Conductor Present	407	Buchanan Avenue	Front	Buchanan Avenue	42.25280824	-85.58755749
11377	Large	No Conductor Present	401	Buchanan Avenue	Front	Buchanan Avenue	42.25280507	-85.58736497
35227	Small	Electrical Distribution	808	Burrell Avenue	Side	Ada Street	42.29857452	-85.59151225
21907	Small	Electrical Distribution	524	Charlotte Avenue	Front	Charlotte Avenue	42.29651528	-85.5640533
28032	Small	Electrical Distribution	1108	Charlotte Avenue	Front	Charlotte Avenue	42.30264242	-85.56414335
28087	Small	No Conductor Present	1014	Charlotte Avenuw	Front	Charlotte Avenue	42.30185584	-85.56412786
34700	Small	Electrical Distribution	1114	Cobb Avenuw	Front	Cobb Avenue	42.30209192	-85.59475313
21912	Large	No Conductor Present	704	Dwight Avenue	Front	Dwight Avenue	42.29832539	-85.5625973
21974	Large	No Conductor Present	712	Dwight Avenue	Front	Dwight Avenue	42.29867414	-85.56260663
27163	Small	Communication/Lighting	1919	East Dunkley Street	Side	North Edwards Stree	42.3105716	-85.58118296
22718	Small	Electrical Distribution	1924	East Main Street	Front	East Main Street	42.30019986	-85.55583449
22741	Small	Electrical Distribution	1302	East Main Street	Front	East Main Street	42.29576767	-85.56383879
22748	Small	Electrical Distribution	1332	East Main Street	Front	East Main Street	42.29623102	-85.56270148
22758	Small	Electrical Distribution	1203	East Main Street	Front	East Main Street	42.29541233	-85.56510988
22762	Small	Electrical Distribution	1203	East Main Street	Front	East Main Street	42.29545529	-85.56502184
21723	Small	No Conductor Present	1129	East Michigan Avenue	Front	East Michigan Avenue	42.29561479	-85.56601101
21738	Small	Electrical Distribution	1225	East Michigan Avenue	Front	East Michigan Avenue	42.29503572	-85.5646291
21765	Small	No Conductor Present	1206	East Michigan Avenue	Front	East Michigan Avenue	42.29527001	-85.56557047
21773	Small	No Conductor Present	1206	East Michigan Avenue	Front	East Michigan Avenue	42.29530766	-85.56565446
21786	Small	No Conductor Present	1206	East Michigan Avenue	Front	East Michigan Avenue	42.29534036	-85.56573076
21793	Small	No Conductor Present	1130	East Michigan Avenue	Front	East Michigan Avenue	42.29536913	-85.5658031
21800	Small	No Conductor Present	1130	East Michigan Avenue	Front	East Michigan Avenue	42.29539919	-85.56587797
21808	Small	No Conductor Present	1130	East Michigan Avenue	Front	East Michigan Avenue	42.29542925	-85.565945
21826	Small	No Conductor Present	1130	East Michigan Avenue	Front	East Michigan Avenue	42.29548305	-85.56606376
21572	Small	Electrical Distribution	1417	East Michigan Avenue	Front	East Michigan Avenue	42.29410707	-85.56236631
21744	Large	No Conductor Present	1129	East Michigan Avenue	Front	East Michigan Avenue	42.29555106	-85.56586619
26404	Small	Communication/Lighting	1527	East Prouty Street	Front	East Prouty Street	42.30706791	-85.58156348
26789	Small	Communication/Lighting	1524	East Prouty Street	Side	North Edwards Stree	42.30691069	-85.58099737
24485	Small	Electrical Distribution	637	Edwin Avenue	Front	Edwin Avenue	42.29818188	-85.55868762
24493	Small	Electrical Distribution	1628	Edwin Avenue	Front	Edwin Avenue	42.29834569	-85.55868996
24513	Small	No Conductor Present	632	Edwin Avenue	Front	Edwin Avenue	42.29796506	-85.55851482
23615	Large	No Conductor Present	1705	Edwin Avenue	Front	Edwin Avenue	42.29425094	-85.55852498
23621	Large	No Conductor Present	1705	Edwin Avenue	Front	Edwin Avenue	42.29413425	-85.55854042
23517	Small	Electrical Distribution	416	Edwin Avenue	Rear	Phelps Avenue	42.2953144	-85.55970222
35038	Small	Electrical Distribution	617	Elizabeth Street	Front	Elizabeth Street	42.30156228	-85.59237473
35047	Small	Electrical Distribution	621	Elizabeth Street	Front	Elizabeth Street	42.30155912	-85.59252732
35056	Small	Electrical Distribution	625	Elizabeth Street	Front	Elizabeth Street	42.30155807	-85.59270915
35156	Large	No Conductor Present	526	Elizabeth Street	Front	Elizabeth Street	42.30168516	-85.59115971

35186	Large	No Conductor Present	630	Elizabeth Street	Front	Elizabeth Street	42.3016704	-85.59284533
21652	Small	No Conductor Present	1110	Engleman Avenue	Side	East Michigan Avenue	42.2958049	-85.56645138
21663	Small	No Conductor Present	1116	Engleman Avenue	Side	East Michigan Avenue	42.29577297	-85.56637872
21676	Small	No Conductor Present	1116	Engleman Avenue	Side	East Michigan Avenue	42.29574396	-85.56630528
21620	Large	No Conductor Present	1110	Engleman Avenue	Side	East Michigan Avenue	42.29590293	-85.56666758
22702	Large	No Conductor Present	1511	Fairbanks Avenue	Front	Fairbanks Avenue	42.29765237	-85.56139413
22704	Large	No Conductor Present	1511	Fairbanks Avenue	Front	Fairbanks Avenue	42.29748585	-85.56139397
27114	Small	Electrical Distribution	1508	Fairbanks Avenue	Side	Humphrey Street	42.30316512	-85.56117578
27121	Small	Electrical Distribution	1508	Fairbanks Avenue	Side	Humphrey Street	42.30316301	-85.56125778
21662	Small	Electrical Distribution	1429	Foresman Avenue	Side	East Michigan Avenue	42.29376406	-85.56149823
21963	Large	No Conductor Present	1029	Gilbert Avenue	Side	Bridge Street	42.29923552	-85.56669445
21977	Large	No Conductor Present	1029	Gilbert Avenue	Side	Bridge Street	42.29924043	-85.56616557
22007	Small	Electrical Distribution	1038	Gilbert Avenue	Side	Bridge Street	42.29911813	-85.56655124
21597	Small	Electrical Distribution	522	Gilbert Avenue	Front	Gilbert Avenue	42.29689951	-85.5652676
21606	Small	Electrical Distribution	516	Gilbert Avenue	Front	Gilbert Avenue	42.29669857	-85.56526403
21650	Small	Electrical Distribution	502	Gilbert Avenue	Front	Gilbert Avenue	42.29628041	-85.56525522
21691	Small	Electrical Distribution	515	Gilbert Avenue	Front	Gilbert Avenue	42.29669427	-85.56543754
21834	Large	Electrical Distribution	604	Gilbert Avenue	Front	Gilbert Avenue	42.2973292	-85.56527793
21951	Small	Electrical Distribution	1038	Gilbert Avenue	Front	Gilbert Avenue	42.29889317	-85.56545045
21997	Small	Electrical Distribution	710	Gilbert Avenue	Front	Gilbert Avenue	42.29853649	-85.56528794
21926	Large	No Conductor Present	604	Gilbert Avenue	Side	Sherwood Avenue	42.29724376	-85.56513813
21930	Large	No Conductor Present	604	Gilbert Avenue	Side	Sherwood Avenue	42.29724782	-85.56497448
24946	Large	No Conductor Present	1728	Glendale Boulevard	Front	Glendale Boulevard	42.32639936	-85.55865177
24977	Small	Electrical Distribution	1907	Glendale Boulevard	Front	Glendale Boulevard	42.32653095	-85.5564332
24982	Small	Electrical Distribution	1907	Glendale Boulevard	Front	Glendale Boulevard	42.32652884	-85.55635049
24983	Small	Electrical Distribution	1619	Glendale Boulevard	Front	Glendale Boulevard	42.32653536	-85.55983969
25000	Small	Electrical Distribution	1913	Glendale Boulevard	Front	Glendale Boulevard	42.32651935	-85.55597187
25002	Small	Electrical Distribution	1715	Glendale Boulevard	Front	Glendale Boulevard	42.32652798	-85.55911667
25003	Small	Electrical Distribution	1913	Glendale Boulevard	Front	Glendale Boulevard	42.32650828	-85.55587275
25006	Small	Electrical Distribution	1715	Glendale Boulevard	Front	Glendale Boulevard	42.32652587	-85.55904322
25010	Small	Electrical Distribution	2005	Glendale Boulevard	Front	Glendale Boulevard	42.32645873	-85.55559467
25011	Small	Electrical Distribution	1719	Glendale Boulevard	Front	Glendale Boulevard	42.32652535	-85.55896336
25013	Small	Electrical Distribution	2005	Glendale Boulevard	Front	Glendale Boulevard	42.3264387	-85.55551481
25016	Small	Electrical Distribution	2005	Glendale Boulevard	Front	Glendale Boulevard	42.32641972	-85.55544422
25124	Large	No Conductor Present	2036	Glendale Boulevard	Front	Glendale Boulevard	42.32596889	-85.55430258
25136	Large	No Conductor Present	2024	Glendale Boulevard	Front	Glendale Boulevard	42.32604955	-85.55478673
25167	Small	Electrical Distribution	2019	Glendale Boulevard	Front	Glendale Boulevard	42.32628836	-85.55508264
25168	Small	Electrical Distribution	2117	Glendale Boulevard	Front	Glendale Boulevard	42.32608517	-85.55331784
25190	Small	Electrical Distribution	2035	Glendale Boulevard	Front	Glendale Boulevard	42.32614549	-85.55463984
25221	Small	Electrical Distribution	2101	Glendale Boulevard	Front	Glendale Boulevard	42.32608487	-85.55391968
25228	Small	Electrical Distribution	2101	Glendale Boulevard	Front	Glendale Boulevard	42.32608276	-85.55400453
25326	Small	Electrical Distribution	2323	Glendale Boulevard	Front	Glendale Boulevard	42.32609014	-85.550913
25109	Large	No Conductor Present	2044	Glendale Boulevard	Side	Michael Avenue	42.32568633	-85.55400809
26968	Large	No Conductor Present	1007	Hazard Avenue	Front	Hazard Avenue	42.30176202	-85.55885465
27063	Small	Electrical Distribution	1026	Hazard Avenue	Front	Hazard Avenue	42.30233604	-85.55868545
27077	Small	Electrical Distribution	1024	Hazard Avenue	Front	Hazard Avenue	42.30215038	-85.55868644
21668	Large	No Conductor Present	1017	Hotop Avenue	Front	Hotop Avenue	42.29832465	-85.56790507
21679	Large	No Conductor Present	1025	Hotop Avenue	Front	Hotop Avenue	42.29832508	-85.56764108
21942	Large	Electrical Distribution	627	Hotop Avenue	Front	Hotop Avenue	42.29821597	-85.56437048
21973	Small	Electrical Distribution	1206	Hotop Avenue	Front	Hotop Avenue	42.29821425	-85.56505696
21980	Small	Electrical Distribution	1206	Hotop Avenue	Front	Hotop Avenue	42.29821452	-85.56513318
22013	Large	No Conductor Present	703	Hotop Avenue	Front	Hotop Avenue	42.29833383	-85.56441706
35698	Large	No Conductor Present	704	Hotop Avenue	Front	Hotop Avenue	42.29833458	-85.56517784
26408	Small	Communication/Lighting	210	Krom Street	Side	East Prouty Street	42.30707002	-85.58203622
26391	Small	Electrical Distribution	1424	Krom Street	Front	Krom Street	42.30601601	-85.5822224
26392	Small	Electrical Distribution	1408	Krom Street	Front	Krom Street	42.30562209	-85.58221955
26393	Small	Electrical Distribution	1412	Krom Street	Front	Krom Street	42.30574549	-85.58222026
26402	Small	No Conductor Present	210	Krom Street	Front	Krom Street	42.30692923	-85.5822209
26405	Small	No Conductor Present	210	Krom Street	Front	Krom Street	42.3069962	-85.58222018
26769	Small	No Conductor Present	1316	Krom Street	Front	Krom Street	42.30386068	-85.58221775
26779	Small	Communication/Lighting	1519	Krom Street	Front	Krom Street	42.30676105	-85.58235109
26790	Small	No Conductor Present	1328	Krom Street	Front	Krom Street	42.30418395	-85.58221918
26801	Small	No Conductor Present	1328	Krom Street	Front	Krom Street	42.30423615	-85.58222061

26803	Small	No Conductor Present	1334	Krom Street	Front	Krom Street	42.30446502	-85.58221775
26813	Small	No Conductor Present	1340	Krom Street	Front	Krom Street	42.30452831	-85.58222061
26842	Small	No Conductor Present	1346	Krom Street	Front	Krom Street	42.30489323	-85.58222203
26853	Small	Communication/Lighting	1355	Krom Street	Front	Krom Street	42.30512262	-85.58234467
26871	Small	Communication/Lighting	1349	Krom Street	Front	Krom Street	42.30490008	-85.58234681
26881	Small	No Conductor Present	201	Krom Street	Front	Krom Street	42.30546909	-85.58222061
26933	Small	Communication/Lighting	1313	Krom Street	Front	Krom Street	42.30394242	-85.58234396
395	Large	No Conductor Present	512	Lay Boulevard	Front	Lay Boulevard	42.27316521	-85.57468805
440	Large	No Conductor Present	521	Lay Boulevard	Front	Lay Boulevard	42.27328278	-85.57423501
34573	Small	Communication/Lighting	718	Mabel Street	Front	Mabel Street	42.30076966	-85.59374659
34583	Small	Communication/Lighting	714	Mabel Street	Front	Mabel Street	42.30076808	-85.59359328
34604	Small	Communication/Lighting	632	Mabel Street	Front	Mabel Street	42.30077388	-85.59285672
34723	Small	Electrical Distribution	717	Mabel Street	Front	Mabel Street	42.30064467	-85.59369168
25106	Small	Electrical Distribution	3316	Michael Avenue	Front	Michael Avenue	42.3239282	-85.55384909
25145	Small	Electrical Distribution	3228	Michael Avenue	Front	Michael Avenue	42.32338203	-85.55384909
34580	Small	Electrical Distribution	802	Nola Street	Side	Staples Avenue	42.29853777	-85.59707848
27350	Small	Electrical Distribution	1724	North Burdick Street	Side	East Hopkins Street	42.30890724	-85.58354594
27360	Small	Electrical Distribution	1724	North Burdick Street	Side	East Hopkins Street	42.30890619	-85.58345966
28482	Small	Communication/Lighting	1442	North Church Street	Front	North Church Street	42.30599989	-85.58638031
28488	Small	Communication/Lighting	1442	North Church Street	Front	North Church Street	42.30593819	-85.58638031
26416	Small	No Conductor Present	1409	North Edwards Street	Front	North Edwards Stree	42.30572638	-85.581182
26420	Small	No Conductor Present	1401	North Edwards Street	Front	North Edwards Stree	42.30546799	-85.58118343
26764	Small	Communication/Lighting	1334	North Edwards Street	Front	North Edwards Street	42.30445963	-85.58099594
26777	Small	Communication/Lighting	1334	North Edwards Street	Front	North Edwards Stree	42.30430406	-85.58099951
26800	Small	Communication/Lighting	1520	North Edwards Street	Front	North Edwards Stree	42.30677675	-85.58101021
26919	Large	No Conductor Present	1337	North Edwards Street	Front	North Edwards Stree	42.30454664	-85.58118062
26940	Large	No Conductor Present	1343	North Edwards Street	Front	North Edwards Stree	42.3048467	-85.5811792
27184	Small	Communication/Lighting	1612	North Edwards Street	Front	North Edwards Stree	42.30754221	-85.5810154
27200	Large	No Conductor Present	1903	North Edwards Street	Front	North Edwards Stree	42.31000634	-85.58118011
27219	Small	No Conductor Present	1823	North Edwards Street	Front	North Edwards Stree	42.30972001	-85.58117797
27229	Large	No Conductor Present	1817	North Edwards Street	Front	North Edwards Stree	42.30954284	-85.5811794
27245	Small	Communication/Lighting	1712	North Edwards Street	Front	North Edwards Stree	42.30839647	-85.58100969
27290	Small	Communication/Lighting	1804	North Edwards Street	Front	North Edwards Street	42.30905877	-85.5810154
27297	Small	Communication/Lighting	1804	North Edwards Street	Front	North Edwards Street	42.30912996	-85.58101825
27316	Small	No Conductor Present	1711	North Edwards Street	Front	North Edwards Stree	42.30844373	-85.58118008
27317	Small	Communication/Lighting	1818	North Edwards Street	Front	North Edwards Stree	42.30950066	-85.58102181
27337	Small	Communication/Lighting	1820	North Edwards Street	Front	North Edwards Stree	42.30967203	-85.58101825
27374	Large	No Conductor Present	1613	North Edwards Street	Front	North Edwards Stree	42.30761532	-85.5811758
27385	Large	No Conductor Present	1609	North Edwards Street	Front	North Edwards Stree	42.307503	-85.5811758
27387	Small	Communication/Lighting	1912	North Edwards Street	Front	North Edwards Stree	42.31026577	-85.58101468
35171	Small	Electrical Distribution	921	North Westnedge Avenue	Side	Mabel Street	42.30068421	-85.59037323
25157	Large	No Conductor Present	2008	Onondaga Avenue	Front	Glendale Boulevard	42.32625936	-85.55353502
21819	Small	Electrical Distribution	1527	Phelps Avenue	Side	East Michigan Avenue	42.29318211	-85.56004797
21827	Small	Electrical Distribution	1527	Phelps Avenue	Side	East Michigan Avenue	42.2931507	-85.55996129
23486	Small	No Conductor Present	407	Phelps Avenue	Front	Phelps Avenue	42.29502759	-85.55986808
23503	Small	Electrical Distribution	428	Phelps Avenue	Front	Phelps Avenue	42.29567349	-85.55970566
23515	Small	No Conductor Present	309	Phelps Avenue	Front	Phelps Avenue	42.29430274	-85.55985609
23534	Large	No Conductor Present	403	Phelps Avenue	Front	Phelps Avenue	42.29489028	-85.55986506
24553	Small	Electrical Distribution	550	Phelps Avenue	Front	Phelps Avenue	42.29741555	-85.55971067
24557	Large	No Conductor Present	509	Phelps Avenue	Front	Phelps Avenue	42.29619299	-85.55988728
24560	Small	Electrical Distribution	546	Phelps Avenue	Front	Phelps Avenue	42.29725145	-85.55971683
24562	Small	No Conductor Present	515	Phelps Avenue	Front	Phelps Avenue	42.29639542	-85.55987894
24568	Small	Electrical Distribution	540	Phelps Avenue	Front	Phelps Avenue	42.29713896	-85.55971631
24596	Small	Electrical Distribution	504	Phelps Avenue	Front	Phelps Avenue	42.29604061	-85.55970336
24598	Small	Electrical Distribution	550	Phelps Avenue	Front	Phelps Avenue	42.29752926	-85.55971325
35700	Small	No Conductor Present	519	Phelps Avenue	Front	Phelps Avenue	42.29653263	-85.55987786
35701	Small	No Conductor Present	515	Phelps Avenue	Front	Phelps Avenue	42.29632084	-85.55987836
28414	Small	Communication/Lighting	1528	Princeton Avenue	Front	Princeton Avenue	42.30690132	-85.58875955
28427	Small	Communication/Lighting	1528	Princeton Avenue	Front	Princeton Avenue	42.3068412	-85.58876383
28477	Large	No Conductor Present	1529	Princeton Avenue	Front	Princeton Avenue	42.30705108	-85.58891285
28490	Large	No Conductor Present	1529	Princeton Avenue	Front	Princeton Avenue	42.30693296	-85.58891356
28515	Large	No Conductor Present	1517	Princeton Avenue	Front	Princeton Avenue	42.306654	-85.58890857
29101	Small	Communication/Lighting	1516	Princeton Avenue	Front	Princeton Avenue	42.30648578	-85.58875812

35656	Small	Electrical Distribution	700	River Street	Side	Ampersee Avenue	42.2988246	-85.57021277
35659	Small	Electrical Distribution	700	River Street	Side	Ampersee Avenue	42.2989074	-85.57023131
21986	Small	Electrical Distribution	722	Riverview Drive	Side	Bridge Street	42.2991106	-85.56869544
21993	Small	No Conductor Present	806	Riverview Drive	Side	Bridge Street	42.29922545	-85.56872739
22763	Small	Electrical Distribution	1421	Sherwood Avenue	Side	Fairbanks Avenue	42.29734628	-85.56155436
22766	Small	Electrical Distribution	1421	Sherwood Avenue	Side	Fairbanks Avenue	42.2974221	-85.56155539
21557	Small	Electrical Distribution	528	Sherwood Avenue	Side	Gilbert Avenue	42.29701263	-85.56526648
21570	Small	Electrical Distribution	528	Sherwood Avenue	Side	Gilbert Avenue	42.29695172	-85.56526689
21558	Small	Electrical Distribution	1038	Sherwood Avenue	Front	Sherwood Avenue	42.29711969	-85.56716033
21563	Small	Electrical Distribution	1032	Sherwood Avenue	Front	Sherwood Avenue	42.29711969	-85.5672459
21608	Small	Electrical Distribution	1014	Sherwood Avenue	Front	Sherwood Avenue	42.29711721	-85.56801434
21616	Small	Electrical Distribution	1014	Sherwood Avenue	Front	Sherwood Avenue	42.29711616	-85.56809278
21625	Small	Electrical Distribution	524	Sherwood Avenue	Front	Sherwood Avenue	42.29711669	-85.5681705
21634	Small	Electrical Distribution	524	Sherwood Avenue	Front	Sherwood Avenue	42.29711703	-85.56825115
21644	Small	Electrical Distribution	524	Sherwood Avenue	Front	Sherwood Avenue	42.29711827	-85.56834377
21843	Small	No Conductor Present	1409	Sherwood Avenue	Front	Sherwood Avenue	42.29725687	-85.56212988
21845	Small	No Conductor Present	1415	Sherwood Avenue	Front	Sherwood Avenue	42.29725533	-85.56197705
21890	Small	Electrical Distribution	541	Sherwood Avenue	Front	Sherwood Avenue	42.29712949	-85.56430217
21899	Small	Electrical Distribution	541	Sherwood Avenue	Front	Sherwood Avenue	42.29713251	-85.56437983
21904	Small	Electrical Distribution	541	Sherwood Avenue	Front	Sherwood Avenue	42.29712927	-85.56453656
21915	Small	Electrical Distribution	528	Sherwood Avenue	Front	Sherwood Avenue	42.2971263	-85.56502039
21920	Small	Electrical Distribution	528	Sherwood Avenue	Front	Sherwood Avenue	42.29712683	-85.56509954
35699	Small	No Conductor Present	1415	Sherwood Avenue	Front	Sherwood Avenue	42.2972569	-85.56186584
11463	Small	Electrical Distribution	404	South Park Street	Front	Buchanan Avenue	42.25292435	-85.58743343
11332	Small	Electrical Distribution	206	South Rose Street	Front	Buchanan Avenue	42.2528911	-85.58496846
34420	Large	No Conductor Present	713	Staples Avenue	Front	Staples Avenue	42.29797873	-85.59722394
35695	Small	Electrical Distribution	915	Staples Avenue	Side	West Paterson Street	42.30333212	-85.59713295
24535	Large	No Conductor Present	631	Trimble Avenue	Front	Trimble Avenue	42.29803488	-85.55758917
24547	Small	No Conductor Present	1722	Trimble Avenue	Front	Trimble Avenue	42.29901449	-85.55758697
24563	Small	Electrical Distribution	524	Trimble Avenue	Front	Trimble Avenue	42.29681842	-85.55740876
27023	Small	Electrical Distribution	914	Trimble Avenue	Front	Trimble Avenue	42.3005129	-85.55744786
27108	Large	No Conductor Present	821	Trimble Avenue	Front	Trimble Avenue	42.29998164	-85.55760875
261	Small	No Conductor Present	517	Vernon Court	Front	Vernon Court	42.27264585	-85.57440298
31841	Small	No Conductor Present	910	West Paterson Street	Front	West Paterson Street	42.30347082	-85.59707341
31852	Small	No Conductor Present	910	West Paterson Street	Front	West Paterson Street	42.30347029	-85.59697786
31862	Small	No Conductor Present	910	West Paterson Street	Front	West Paterson Street	42.30346976	-85.596898
35195	Small	Electrical Distribution	616	Woodbury Avenue	Side	Ada Street	42.29856186	-85.59223242
31872	Small	No Conductor Present	902	Woodward Avenue	Side	West Paterson Street	42.30347187	-85.59679818