

CITY OF GREENVILLE

“Danish Festival City”



411 SOUTH LAFAYETTE STREET
GREENVILLE, MICHIGAN 48838
(616) 754-5645 FAX (616) 754-6320

NOTICE TO BIDDERS

2022-23 Greenville Sidewalk Replacement Program

The City of Greenville will receive sealed bids for the removal and replacement of approximately 2,158 square feet of existing sidewalk that are to be removed and replaced. In addition there are 953 diameter inches of roots to be removed from under the removed sidewalks. The bids will be received until Tuesday, November 15, 2022 at 2:00 p.m., in the City Hall Conference Room. All bids will be publicly opened and read aloud at that time.

Specifications and information for bidders may be obtained at the City Clerk's Office at Greenville City Hall, 411 S. Lafayette, Greenville, Michigan 48838 or on-line at www.greenvillemi.org.

NORICE RASMUSSEN
Clerk-Finance Director

2022-23 GREENVILLE SIDEWALK REPLACEMENT PROGRAM

CITY OF GREENVILLE MONTCALM COUNTY, MICHIGAN

PROJECT NUMBER: PROJECT MANUAL INDEX

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**SPECIFICATIONS
FOR
2022-23 Greenville Sidewalk Replacement Program**

THE CITY OF GREENVILLE WILL RECEIVE SEALED BIDS FOR THE REMOVAL AND REPLACEMENT OF APPROXIMATELY 2,158 SQUARE FEET OF EXISTING SIDEWALK THAT ARE TO BE REMOVED AND REPLACED. IN ADDITION THERE ARE 953 DIAMETER INCHES OF ROOTS TO BE REMOVED FROM UNDER THE REMOVED SIDEWALKS. THE BIDS WILL BE RECEIVED UNTIL TUESDAY, NOVEMBER 15, 2022 AT 2:00 P.M., IN THE CITY HALL CONFERENCE ROOM. ALL BIDS WILL BE PUBLICLY OPENED AND READ ALOUD AT THAT TIME.

INSTRUCTIONS TO BIDDERS

SCOPE OF WORK:

The Work is predominantly in the northwest section of the City as shown in green on the Map included with photos at the end of these specifications.

Remove and replace sidewalks identified on the enclosed map and following tables by address. These addresses, with minor exceptions, are to be replaced to remove tripping hazards on public sidewalks caused by tree roots. The Contractor is to sawcut (if necessary) and remove the existing sidewalks that will be marked by the City Engineer prior to construction and any roots to a depth of 8-inches below a string-line between the surface of adjoining slabs that are to remain. Disturbed soil shall be compacted and sand backfill added and compacted, as necessary, to bring the underlying soil to a depth of 4-inches below the string-line described above. New sidewalk shall be formed, poured and finished according to these specifications. Adjacent soils shall be backfilled to subgrade level with removed materials and topsoil removed shall be placed in the gap and grass seed scattered appropriately so that new grass matches the appearance of existing grass.

Repairs and replacement of the sidewalks is generally the responsibility of the property owner. However, if damage to the walks was caused by City activity or trees between the sidewalk and edge of road, the City is responsible. This Contract is generally for the replacement of City-responsible portions of the walk, so the basis for the BID are the quantities for the addresses listed on pages 3-4.

The City intends to offer property owners the opportunity to add their Work to this Contract if they choose to enter into an Agreement with the City by February 15, 2003. The Contractor can expect a Change Order to be issued for the quantities of Work based on those Agreements. The Change Order may include an extension of time for the additional Work. The addresses that could be associated with a potential Change Order are listed on pages 6-8.

Photos of the sidewalks by address are included as pages and may or may not be in order. The last 3 pages of photos were added and are not in order.

SCOPE OF WORK BY ADDRESS:

The following addresses are included in the BID quantities and form the basis for the CONTRACT:

Section	House Number	Direction	Street	Offset	Width	Length	Area	Remove Sidewalk Area	Root Remove dia	Sidewalk, 4 inch	Sidewalk, 6 inch
9	215	S	Barry	1.5	4	4	16	16	15	16	
9	215	S	Barry	1.5	4	4	16	16	12	16	
9	301	S	Barry	1.75	4.5	12	54	54	36	54	
9	301	S	Barry	1.75	4.5	12	54	54	36	54	
9	103	N	Bower	1.75	4	8	32	32	15	32	
9	207	N	Bower	2	4	4	16	16	12	16	
9	207	N	Bower	1.75	4	4	16	16		16	
9	219	S	Bower	1.5	4	8	32	32	12	32	
9	216	S	Bower	2	4	4	16	16	24	16	
9	219	W	Cass	2	4	19	76	76	18	76	
9	520	W	Cass	1.5	4	9	36	36	30	36	
9	524	W	Cass	1.5	4	12	48	48	30	48	
9	609	W	Cass	1.75	4	14.5	58	58	8	58	
9	704	W	Cass	1.5	4	9	36	36	18	36	
9	900	W	Cass	2	4	10	40	40	15	40	
9	712	W	Cass	2	4	4	16	16	15	16	
9	925	W	Dodge	1.5	4	4	16	16	12	16	
9	925	W	Dodge	1.5	4	8	32	32	12	32	
9	200	W	Grove	1.5	4.5	15	67.5	68	24	68	
9	200	W	Grove	1.5	4.5	15	67.5	68	24	68	
9	200	W	Grove	1.5	4.5	15	67.5	68	24	68	
9	212	W	Grove	1.5	4	8	32	32	12	32	
9	400	W	Grove	2	4	7.8	31.2	31	12	31	
9	402	W	Grove	1.75	4	12	48	48	20	48	
9	506	W	Grove	1.5	4	9.8	39.2	39	18	39	
9	506	W	Grove	1.5	4	8	32	32	18	32	
9	514	W	Grove	1.5	4	8	32	32		32	
9	604	W	Grove	1.75	4	8	32	32	18	32	

ADDRESSES IN CONTRACT (Continued)

Section	House Number	Direction	Street	Offset	Width	Length	Area	Remove Sidewalk Area	Root Remove dia	Sidewalk, 4 inch	Sidewalk, 6 inch
9	604	W	Grove	1.5	4	8	32	32	10	32	
9	613	W	Grove	1.5	4	7.2	28.8	29	15	29	
9	1002	W	Grove	2	4.5	6	27	27	15	27	
9	1002	W	Grove	1.75	4	5	20	20	15	20	
9	1002	W	Grove	1.75	4	5	20	20	15	20	
9	1008	W	Grove	2	4	10	40	40	15	40	
9	319	S	Hillcrest	4	4	10	40	40	15	40	
9	319	S	Hillcrest	4	4	10	40	40	15	40	
9	309	S	Lafayette		5	8	40	40		40	
9	212	S	Luray	1.5	4	5	20	20	12	20	
9	212	S	Luray	1.5	4	5	20	20	12	20	
9	425	W	Montcalm	1.75	4	6	24	24	18	24	
9	621	W	Montcalm	1.75	4	15	60	60	15	60	
9	100	N	Olsen	2.25	4	15	60	60	12	60	
9	506	W	Orange	1.75	4	17	68	68	24	68	
9	512	W	Orange	1.75	4	3.5	14	14	15	14	
9	512	W	Orange	1.75	4	3.5	14	14	15	14	
9	819	W	Orange	1.75	4	4	16	16	12	16	
9	822	W	Orange	2.5	4	17	68	68	36	68	
15	404	E	Fairplains	1.75	4	7.4	29.6	30	12	30	
15	723	E	Fairplains	1.75	4	10.4	41.6	42	15	42	
16	208	W	Benton	1.75	4	8	32	32	12	32	
16	208	W	Benton	1.5	4	8	32	32	12	32	
16	413	S	Bower	2	4	4	16	16	10	16	
16	415	S	Franklin	1.5	5	10	50	50	18	50	
16	601	S	Franklin	1.75	5	12	60	60	24	60	
16	817	S	Lafayette	2	4	6	24	24	15	24	
16	816	S	Marvel	2	4	25	100	100	15	100	
16	908	S	Marvel	1.5	4	10	40	40	24	40	
16	823	W	Washingto	1.75	4	5.5	22	22	20	22	
								2,158	953	2,158	0

The following addresses are not included in the BID quantities and form the basis for a potential CHANGE ORDER:

Section	House Number	Direction	Street	Offset	Width	Length	Area	Remove Sidewalk Area	Root Remove dia	Sidewalk, 4 inch	Sidewalk, 6 inch
8	205	S	Greenville	1.75	4	4	16	16		16	
9	520	N	Barnard		4	40	160	160		160	
9	215	S	Barry	1.5	4	4	16	16	20	16	
9	301	S	Barry	1.5	4.5	11.7	52.65	53	30	53	
9	1206	W	Blackburn	2.5	4	4	16	16	2	16	
9	1218	W	Blackburn	1.5	4	8	32	32		32	
9	105	N	Bower		4	5	20	20	20	20	
9	105	S	Bower	2	4	8	32	32	20	32	
9	123	S	Bower		4	16	64	64		64	
9	123	S	Bower		4	4	16	16		16	
9	319	W	Cass		4.5	4	18	18		18	
9	524	W	Cass	1.75	4	12	48	48		48	
9	704	W	Cass		4	8	32	32	15	32	
9	821	W	Cass	5	4	9.5	38	38		38	
9	218	W	Charles	1.5	4	24	96	96		96	
9	117	S	Cross	2	4	12	48	48		48	
9	200	W	Grove		4.5	4	18	18		18	
9	604	W	Grove		4	5	20	20		20	
9	1009	W	Grove	2	4	9	36	36	20	36	
9	1030	W	Grove	2.25	4	10	40	40	24	40	
9	615	N	Lafayette	2	4	10	40	40	20	40	
9	301	W	Montcalm	2.5	4	6.4	25.6	26	15	26	
9	322	N	Irving	4	3	6	18	18		18	
9	322	N	Irving	4	3	10	30	30		30	
9	614	W	Montcalm		4	12	48	48		0	48
9	614	W	Montcalm		4	10	40	40		0	40
9	805	W	Montcalm		4	5	20	20	30	20	
9	805	W	Montcalm		4	4	16	16		0	16

POTENTIAL CHANGE ORDER ADDRESSES (Continued)

Section	House Number	Direction	Street	Offset	Width	Length	Area	Remove Sidewalk Area	Root Remove dia	Sidewalk, 4 inch	Sidewalk, 6 inch
9	1010	W	Montcalm	1.75	4	5	20	20	20	20	
9	1010	W	Montcalm	1.75	4	4	16	16	20	16	
9	1112	W	Montcalm	1.5	4	5	20	20		20	
9	100	N	Olsen	2.25	4	10	40	40	12	40	
9	503	W	Orange	1.5	4	8.5	34	34	24	34	
10	200	E	Cass	1.5	5	5	25	25		25	
10	115	E	Coffren	2.25	4	16	64	64	30	64	
10	202	E	Coffren	2	4	9	36	36	20	36	
10	202	E	Coffren		4	4	16	16		16	
10	208	E	Coffren	1.5	4	4	16	16	10	16	
10	1010	N	Lafayette	1.75	5	6	30	30		30	
10	1010	N	Lafayette	1.5	5	5.5	27.5	28		28	
10	400	E	Montcalm	2	4	12	48	48	18	48	
10	408	E	State		4	12	48	48			48
10	418	E	State	4	4	10	40	40	18	40	
10	306	N	Webster		4	20	80	80		64	16
10	121	S	Webster	1.5	4	16	64	64		64	
10	309	S	Webster	3	4	16	64	64	15	64	
10	309	S	Webster	2.5	4	12	48	48	15	48	
10	309	S	Webster	2.5	4	16	64	64	15	64	
10	309	S	Webster	2	4	8	32	32	15	32	
10	309	S	Webster		4	12	48	48		48	
15	219	E	Benton	2	4	23	92	92		92	
15	811	E	Brierwood	2	4	25	100	100	36	100	
15	811	E	Brierwood	1.5	4	20	80	80	36	80	
15	906	E	Brierwood	1.5	4	5	20	20		20	
15	418	S	Cedar		4	5	20	20		20	
15	418	S	Cedar		4	4.7	18.8	19		19	
15	922	S	Cedar		4	8	32	32		32	
15	606	E	Fairplains	1.5	4	13	52	52	15	52	

POTENTIAL CHANGE ORDER ADDRESSES (Continued)

Section	House Number	Direction	Street	Offset	Width	Length	Area	Remove Sidewalk Area	Root Remove dia	Sidewalk, 4 inch	Sidewalk, 6 inch
15	700	E	Fairplains	1.5	4	10	40	40	24	40	
15	908	E	Judd		4	7	28	28		28	
15	910	E	Judd		4	13.6	54.4	54		54	
15	918	E	Judd		4	5	20	20		20	
15	918	E	Judd		4	13	52	52		52	
16	726	S	Baldwin	1.5	4	8.3	33.2	33	20	33	
16	116	W	High	1.5	4	8	32	32	18	32	
16	209	W	High		4	16	64	64		64	
16	209	W	High		4	4	16	16		16	
16	209	W	High		4	4	16	16		16	
16	215	W	High		4	12	48	48		48	
16	817	S	Lafayette		4	8.5	34	34		34	
16	401	S	Luray	1.5	4	15	60	60	18	60	
16	401	S	Luray	1.5	4	15	60	60	18	60	
16	908	S	Marvel	1.5	4	10	40	40	18	40	
16	806	W	Merry Lane	1.75	4	16	64	64	30	64	
16	808	W	Merry Lane		4	4	16	16	18	16	
16	808	W	Merry Lane		4	4	16	16		16	
16	808	W	Merry Lane		4	8	32	32		32	
16	812	W	Oak	1.5	4	12.3	49.2	49	24	49	
16	818	W	Oak	1.5	4	20	80	80	24	80	
16	823	W	Washington		4	5.5	22	22		22	
Owner Responsibility Totals								3,228	747	3,228	168

BIDDER'S INVESTIGATION: Prior to submission of the bid, all bidders shall make, and shall be deemed to have made a careful examination of the site (shown on the enclosed maps), the Scope of Work, the specifications included herewith, and shall have become informed as to the location and nature of the proposed work, general existing conditions, and all other matters that may affect the cost and the time of completion of the contract.

WORKMANSHIP / GUARANTEE: All construction shall be completed in a first-class workmanlike manner. The City may perform full-time inspection of the site, and the contractor will guarantee all materials and workmanship for a period of one (1) year from the date of substantial completion. The contractor shall request a completion certificate when all concrete work is completed. The warranty period shall begin on the date of the certificate of substantial completion.

SUPERVISION: The contractor shall have a thoroughly competent supervisor in charge of the work at all times during construction. Anyone deemed incapable to supervise by the City shall be replaced immediately upon request by someone who is satisfactory.

LABOR, MATERIALS & EQUIPMENT: The contractor shall furnish all labor, materials, tools, and other equipment necessary to properly complete the work according to the specifications, as well as any safety devices the contractor deems necessary for safe operations, or as required by law.

INSURANCE: The contractor shall not commence, nor allow a sub-contractor to commence, work under this contract until he has obtained all insurance required under this heading and such insurance has been approved by the owner.

1. Workmen's Compensation Insurance as required by Michigan Workmen's Compensation Laws.
2. Contractor's Public Liability Insurance shall be furnished for \$25,000 limits for injuries to any one person and \$50,000 for any one accident.
3. Contractor's Property Damage Insurance shall be furnished for \$5,000 limits for damages as a result of any one accident and \$10,000 limits as an aggregate.

All policies required shall be written by a company licensed to do business in the State of Michigan. The City shall be named as an additional named insured on all liability policies. A copy of the policy shall be submitted to the City prior to beginning the work.

The Contractor shall notify the City immediately of any damages at the project site, whether or not the contractor is liable.

BONDS: The successful Contractor shall provide a cash or indemnity bond in the sum of \$1,000 to hold said City harmless from all loss, injury or damage to streets and underground utilities. Said bond shall be kept in force for the duration of the Project.

SIGNS AND BARRICADES: The Contractor shall furnish all signs and barricades necessary for the protection of the public, his workers and the work, including cones and advance warning signs on the roadways when contractor equipment is in the roadway.

PROTECTION OF THE WORK: The Contractor shall be responsible to protect the Work against damage during the early curing process. Any markings or impressions found in sidewalk sections will be subject to removal and replacement at the Contractor's expense.

LICENSING & PERMITS: The contractor shall comply with all local, state and federal regulations and statutes, and shall be licensed to perform work in the State of Michigan.

REFERENCES: All bidders must submit a list of references, which will be a consideration in the award of the contract.

CONTRACT TIME: Work may begin following a Notice to Proceed and as weather allows. No work shall remain open through the winter months. All Contract work shall be complete by June 30, 2023 or as extended by Change Order.

BIDS: All bids must be submitted on the attached bid form and be received in the Office of the City Clerk at City Hall, 411 S. Lafayette Street, Greenville, Michigan 48838, on or before Tues, November 15, 2022 at 2:00 p.m. A bid will be considered complete with the submittal of the three pages (pages 12, 13 & 14) of the Bid Proposal, signed and filled out.

BID ENVELOPE LABELING: Please mark "Sidewalks" on the outside of the envelope and submit to the City Clerk's Office prior to the bid opening.

ADDENDA: If addenda are required on this project, they will be posted to the website www.greenvillemi.org and distributed to known interested parties no later than 12:00 p.m. (noon) on Monday, November 14, 2022. It is the responsibility of the bidder to check for addenda before the bid and acknowledge any addenda on the bid form.

QUESTIONS: Questions may be directed to Doug Hinken, in the City Engineer office at (616) 754-5645 or dhinken@greenvillemi.org.

RIGHTS RESERVED BY THE OWNER: The City of Greenville reserves the right to accept or reject any or all bids. The competency and responsibility of bidders will be considered in awarding contracts. The Owner does not obligate himself to accept the lowest or any other bid. The Owner reserves the right to waive any informality in any or all bids. The Owner reserves the right to make additions or deletions from the quantity of work to be performed.

CHANGES TO THE WORK: The City may add or delete work as necessary, at Contract unit prices, to complete the Work within the appropriate budget. The City intends to offer the Contract unit prices to owners who will acknowledge their interest to be included by entering into an agreement with the City prior to February 15, 2023.

The Contractor can expect a CHANGE ORDER to add work to the Contract after this date. No additional work shall be done without the written direction of the Engineer and agreement of the Contractor. Appropriate extensions of time will be issued as part of the Change Order if it is deemed necessary due to added Work.

CHANGES TO CONTRACT PRICE: If unforeseen conditions are found that are not covered under the Contract Unit Prices, a reasonable, negotiated price adjustment may be considered. Any price adjustments will be documented and allowed in writing if they are deemed necessary.

PROGRESS PAYMENTS: The City Engineer shall approve completed work and submit progress estimates for the Contractor's signature by the first and fifteenth of the month. Payments are generally made on or near the tenth and twenty-fifth day of each month.

PROTECTION OF UTILITIES AND INDEMNIFICATION: It is the Contractor's responsibility to contact Miss Dig, as appropriate and conduct all operations to prevent any damage to underground utilities, including sprinkler systems. The Contractor shall indemnify the City from any and all damages to utilities caused by the Contractor's operations.

2022-23 Greenville Sidewalk Replacement Program
Instructions to Bidders
Bid Opening: November 15, 2022
Page 4

HOLIDAY WORK: No be allowed on the following holidays:

1. Memorial Day
2. Independence Day
3. Danish Festival Third weekend in August
4. Labor Day

WEEKEND WORK: Weekend work will not be allowed.

BID PROPOSAL

Proposal of _____ (hereinafter called "BIDDER"), organized and existing under the laws of the State of Michigan doing business as * _____ to the City of Greenville (hereinafter called "OWNER").

In compliance with the Advertisement for Bids, BIDDER hereby proposes to perform all WORK for construction of the **2022-23 GREENVILLE SIDEWALK REPLACEMENT PROGRAM** in strict accordance with the CONTRACT DOCUMENTS, within the time set forth therein, and at the prices stated below.

By submission of this BID, each BIDDER certifies, and in the case of a joint BID each party thereto certifies as to his own organization, that this BID has been arrived at independently, without consultation, communication, or agreement as to any matter relating to this BID with any other BIDDER or with any competitor.

CERTIFICATION

By submission of this bid, each bidder certifies, and, in the case of a joint bid, each party certifies as to his/her own organization, that this bid has been arrived at independently, without consultation, communication, or agreement as to any matter relating to this bid with any other bidder or with any competitor.

Further, each bidder also certifies that he/she has examined all sections of the contract documents and the location of the work described herein and is fully informed as to the nature of the work and the conditions relating to its performance.

Bidder understands that the quantities shown are approximate only and are subject to either increase or decrease. Furthermore, the bidder understands that there may be additions or deductions to the items of work. Price adjustments based on added or deleted quantities will be based on the unit prices as stated herein.

The bidder hereby agrees to commence the WORK under this contract within 10 days after the date of the NOTICE TO PROCEED, weather permitting, and complete the project as weather permits, in accordance with the schedule shown in the instructions to Bidders, unless the period of completion is extended by mutual agreement.

*Insert "a corporation", "a partnership", or "an individual" as applicable.

Further, each bidder also certifies that he/she has examined all sections of the contract documents and the location of the work described herein and is fully informed as to the nature of the work and the conditions relating to its performance.

Bidder understands that the quantities shown are approximate only and are subject to either increase or decrease. Furthermore, the bidder understands that there may be additions or deductions to the items of work. Price adjustments based on added or deleted quantities will be based on the unit prices as stated herein.

The bidder hereby agrees to commence the WORK under this contract within 10 days after the date of the NOTICE TO PROCEED, weather permitting, and complete the project as weather permits, in accordance with the schedule shown in the instructions to Bidders, unless the period of completion is extended by mutual agreement.

The bidder shall include and shall be deemed to have included, in his/her bid, all Michigan sales and use taxes currently imposed by legislative enactment and as administered by the Michigan Department of Revenue on the bid date.

The undersigned further agrees to so such extra work as may be authorized, in writing, by the Owner, prices for which are not given in this proposal. Compensation shall be made on the basis agreed upon, in writing, before such work is begun.

The bidder shall base bids on the materials or products specified or shown on the drawings.

All WORK described in the contract documents and required for completion of the project shall be considered to be incidental unless designated as a pay item on the Bid Form. Pay items shall not be used for any components installed for the convenience/or advantage of the contractor regardless of the fact that the type of component is described on the bid sheet.

BID PROPOSAL FORM
2022-23 GREENVILLE SIDEWALK REPLACEMENT PROGRAM

TO: Office of the City Clerk
411 S. Lafayette Street
Greenville, Michigan 48838

BASE BID					
Item No.	Item	Estimated Quantity	Unit	Unit Price	Total Cost
1	Remove Sidewalk	2,158	Sft		
2	Root Remove	953	Diameter Inch		
3	Sidewalk, 4"	2,158	Sft		
4	Sidewalk, 6"	100	Sft		
TOTAL BASE BID					

Acknowledgement of Addenda: _____

FIRM NAME: _____ ADDRESS: _____

TELEPHONE: _____

EMAIL: _____

DATED: _____

SIGNATURE: _____

THE CITY RESERVES THE RIGHT TO ACCEPT OR REJECT ANY OR ALL BIDS.

BIDDER REFERENCES

BRIEF DESCRIPTION OF REFERENCE PROJECT 1:

Project Owner	
Owner Contact	
Owner Address	
Owner Telephone	
Owner Email Address	

BRIEF DESCRIPTION OF REFERENCE PROJECT 2:

Project Owner	
Owner Contact	
Owner Address	
Owner Telephone	
Owner Email Address	

BRIEF DESCRIPTION OF REFERENCE PROJECT 3:

Project Owner _____

Owner Contact _____

Owner Address _____

Owner Telephone _____

Owner Email Address _____

AGREEMENT

THIS AGREEMENT, made this ____ day of ____ 2022 by and between the City of Greenville, hereinafter called "OWNER" and _____ doing business as a _____ and located at _____ hereinafter called "CONTRACTOR".

WITNESSETH: That for and in consideration of the payments and agreements hereinafter mentioned:

1. The CONTRACTOR will commence and complete the construction of

2022-23 GREENVILLE SIDEWALK REPLACEMENT PROGRAM

2. The CONTRACTOR will furnish all of the material, supplies, tools, equipment, labor and other services necessary for the construction and completion of the PROJECT described herein.

3. The CONTRACTOR will commence the work required by the CONTRACT DOCUMENTS within 10 calendar days after the date of the NOTICE TO PROCEED, weather permitting and will have the Project complete the same by June 30, 2023 unless the period for completion is extended otherwise by the CONTRACT DOCUMENTS.

4. The CONTRACTOR agrees to perform all of the WORK described in the CONTRACT DOCUMENTS and comply with the terms therein for the sum of \$ _____ or as shown in the BID schedule.

5. The term "CONTRACT DOCUMENTS" means and includes the following:

- A. Advertisement For BIDS
- B. Information For BIDDERS
- C. BID
- D. AGREEMENT
- E. NOTICE OF AWARD
- F. NOTICE TO PROCEED

G. CHANGE ORDERS

H. DRAWING prepared by City of Greenville Engineering Dept.

I. PROJECT SPECIFICATION issued by the City of Greenville Engineering Dept.

J. ADDENDA:

6. The OWNER will pay to the CONTRACTOR in the manner and at such times as set forth in the General Conditions such amounts as required by the CONTRACT DOCUMENTS.

7. This Agreement shall be binding upon all parties hereto and their respective heirs, executors, administrators, successors, and assigns.

IN WITNESS WHEREOF, the parties hereto have executed, or caused to be executed by their duly authorized officials, this Agreement in two (2) copies each of which shall be deemed an original on the date first above written.

OWNER:

City of Greenville

BY: _____

Name: George M. Bosanic

Title: City Manager

(SEAL)

ATTEST:

Name: Douglas W. Hinken

Title: City Engineer

CONTRACTOR:

BY: _____

Name: _____

Address: _____

(SEAL)

ATTEST:

Name: _____

Title: _____

SIDEWALK SPECIFICATIONS

Sidewalk Specifications:

Location and Design

Locations and scope of work are defined by the attached drawings and lists.

Removals

Existing Sidewalk:

Concrete removal shall be conducted in a way to minimize damage to adjacent sidewalk, curb, trees, pavement etc. This should include sawcutting where necessary. The Contractor shall notify the Engineer prior to doing any work if there is pre-existing damage to adjacent surfaces, otherwise the Contractor will be responsible for replacing damaged sections at his own expense. Damaged sections are to be replaced in their entirety.

Tree Roots:

City-owned sidewalks that are to be replaced under this Project are almost all going to involve root removal. Roots shall be chipped, removed or ground from the vertical face of the tree to 6-inches beyond the edge of the sidewalk. Portions of the trunk may also need to be chipped or ground if it slopes away from the vertical face.

The method of removal is up to the Contractor, but roots must be removed to a minimum of 2-inches below the bottom of the proposed walk. Wood material must be removed from the site.

Subgrade Preparation

The Contractor will be responsible for preparation of the subgrade. Existing subgrade material, but not topsoil, can be used as backfill. If additional material is needed it shall be sand. The Contractor shall compact the subgrade to 95% of maximum unit density of the in-place soil, prior to pouring of the concrete. Any additional subgrade material needed shall be included in the unit price for the work. The City may elect to periodically test compaction. The Contractor shall make corrections as necessary without additional compensation. The Contractor will be billed for any failing tests and provide any additional compactive effort needed to achieve appropriate density.

Ground temperatures shall not be below 40° prior to pouring.

Forms

Forms for the work shall be of lumber, 1½-inches thick or of steel of equal strength. They shall be clean and free from old concrete from previous pours. Forms shall be rigidly held to line by stakes or braces. All division plates shall be removed before the pouring of concrete.

Thickness and Proportions

The sidewalks shall be 4-inches thick throughout the Project, unless the section is in a driveway. Driveway sections need to be 6-inches thick. The concrete mix shall be at least 6 sacks of air entrained cement and shall be proportioned to achieve a minimum strength of 3,500 pounds per square inch with a 28 day curing time. It shall be mixed using limestone aggregates and have no added chloride.

Testing

The City of Greenville reserves the right to test the subgrade density and concrete for air entrainment, slump, temperature and strength. The City of Greenville will bear the costs of such testing, except the contractor will pay for failing tests and corrective measures.

Placing and Finishing

Concrete for sidewalks shall be placed immediately after mixing. It shall be tamped and struck off with a template and shall be floated with a wood float until the surface has a true contour. Care shall be taken not to bring to the surface an excess of water and fine sand by over-finishing. The final finish shall consist of brushing with a calcimine brush.

Air temperatures shall not be below 40° during the pouring, finishing and initial set of the concrete.

Expansion Joints

Expansion joints are likely not necessary for most of these repairs. If any pour exceeds 40 feet in length, a ½-inch expansion joint of pre-molded strips of bitumen-treated fiber or mineral aggregate shall be installed across the walk.

Jointing and Edging

Joints shall be cut to form squares according to the width of the sidewalk. Both edges of walk shall be edged. The edges and joints for sidewalks shall be rounded to a 1/4-inch radius.

Curing

After initial set of the concrete and within 24 hours, all new exposed concrete surfaces shall be sprayed with white membrane curing compound. Extreme care shall be taken to avoid overspray onto adjacent surfaces. The Contractor shall be responsible for cleanup of any oversprayed membrane material.

Blankets shall be provided for the first 24 hours if temperatures fall below freezing within that time frame.

Form Removal and Clean-up

After the forms have been removed and cleaned, the contractor shall load, haul and place City compost material from the 1850 Owen Mumaw Drive compost area to a depth of 4 inches along each edge of the sidewalk. The Contractor will not be charged for the compost material and all associated costs shall be included in the price for the finished walk. All adjacent areas that were disturbed by the Contractors operation shall be raked free of debris such as stones, sticks, roots, uprooted plant materials etc. The Contractor shall place a suitable mix of seed, fertilizer and mulch and initial water over all disturbed areas. The cost of the restoration shall be incidental to the work and included in the bid price.

Protection of the Work

The Contractor shall be responsible to protect the work to the degree necessary to prevent damage by the public either unintentionally or intentionally. The Contractor should plan his work in such a way that he can watch newly poured concrete until the point that the surface is sufficiently hard to prevent damage by those intending to mar new concrete. Any work found

with marred surfaces shall be immediately repaired if possible; otherwise the marred sections of walk shall be removed and replaced at the Contractor's expense.

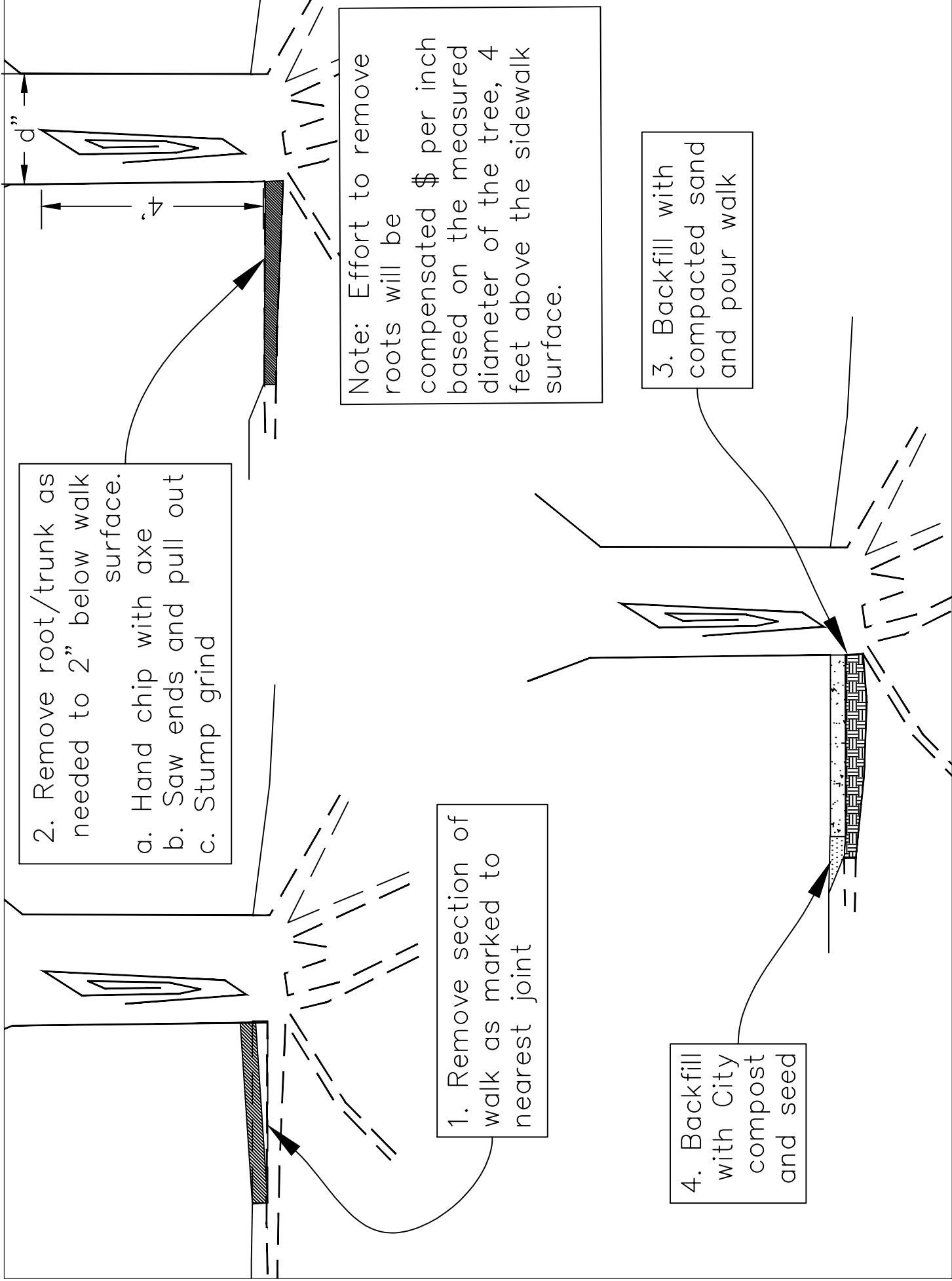
Measurement & Payment:

Measurement for sidewalk replacement shall be to the nearest area by length and width measurement and shall include removal and disposal, (perhaps sawcutting) of existing sidewalk; cutting and digging out roots to a minimum of 2-inches below the bottom of the proposed sidewalk, replacement of subgrade, as necessary; forming, pouring, finishing, protecting and curing new concrete; adding or smoothing out topsoil and seeding. Payment will be according to the unit price for the area measured.

Remove Sidewalk: This item includes removal of existing walk to the nearest joint as marked by the City and shall include sawcutting, removal and disposal of concrete material. Measurement will be made based on the length times the width of the walk prior to removal.

Root Remove: This item includes digging out, cutting, chipping, pulling, grinding or other means of removing any roots found under the removed section of sidewalk to a minimum depth of 4-inches below the bottom of the proposed sidewalk. It shall also include the preparation of the subgrade to include additional sand, if necessary. It is recognized that the effort needed to remove the roots will be related to the size of the adjacent tree. Therefore, the unit price of this item is based on the diameter of the tree as measured at a point 4 feet above the finished sidewalk surface.

Sidewalk, ___-inch: This item includes forming; pouring new concrete; curing compound; monitoring against vandalism damage; form stripping; backfill with City compost, seed, fertilizer, mulch and an initial application of water; and final clean-up. Measurement will be made based on the length times the width of the new walk poured



2. Remove root/trunk as needed to 2" below walk surface.

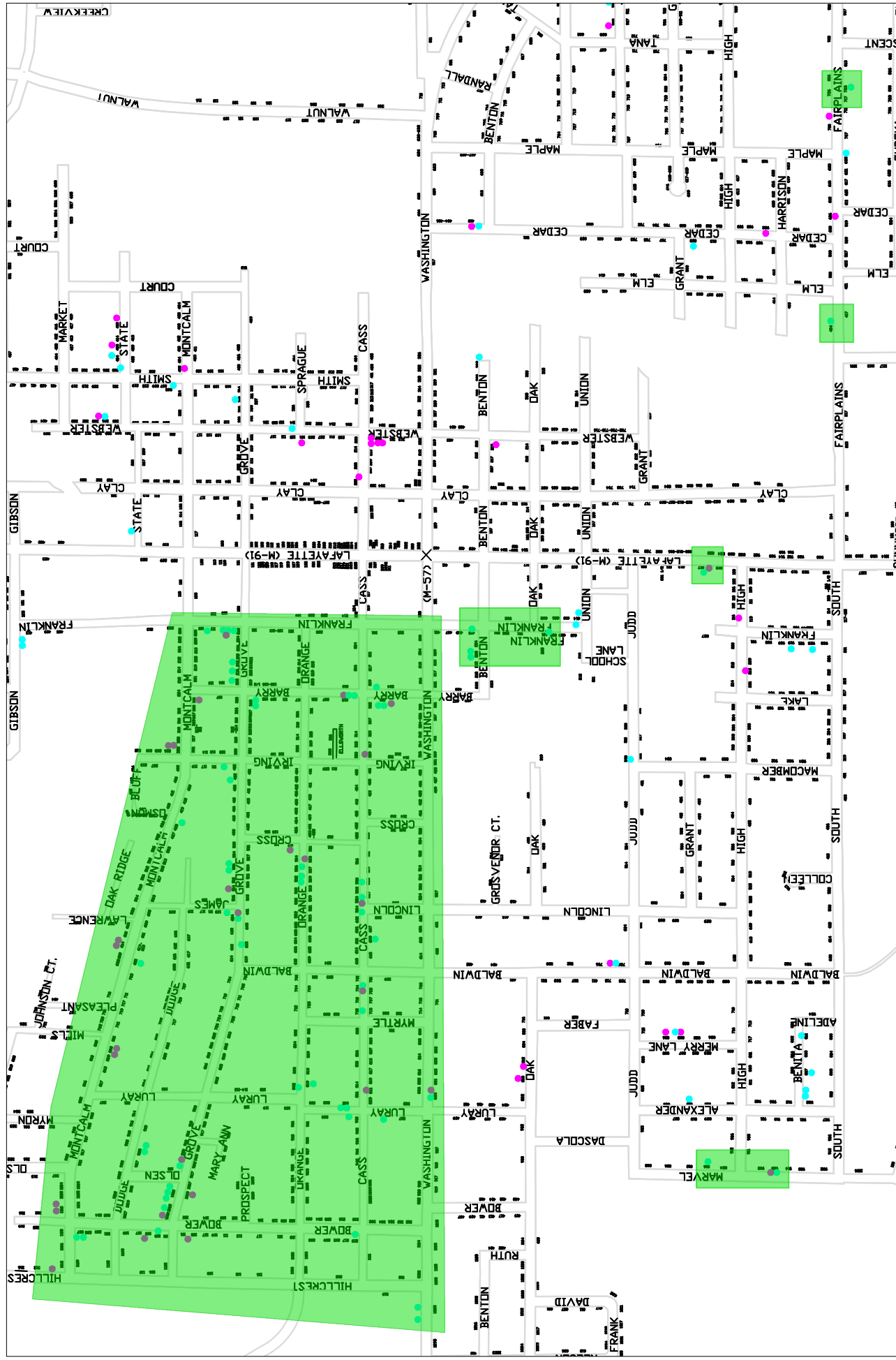
- a. Hand chip with axe
- b. Saw ends and pull out
- c. Stump grind

Note: Effort to remove roots will be compensated \$ per inch based on the measured diameter of the tree, 4 feet above the sidewalk surface.

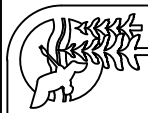
1. Remove section of walk as marked to nearest joint

3. Backfill with compacted sand and pour walk

4. Backfill with City compost and seed



2022 SIDEWALK REMOVE/REPLACE CITY



CITY OF GREENVILLE
ENGINEERING DEPARTMENT
411 S. LAFAYETTE, GREENVILLE, MI 48833
TELEPHONE (616) 754-5645

HORIZONTAL SCALE:	None
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DRAWN BY: dwh

VERTICAL SCALE: None

DATE:

FILE:	Sidewalk Rpr
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REVISED:	8/18/22
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JOB #:	
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SHEET 1 OF 1



100 N. Olsen



103 N. Bower



105 N Bower



105 S Bower



114 S Webster



115 E Coffren



115 N Franklin



116 W High



117 S Cross



121 S Webster



200 E Cass



200 W Grove 1



202 E Coffren 1



202 E Coffren 2



205 N. Smith



205 W GVW Dr



207 N Bower



208 E Coffren



208 W Benton



212 S Luray



212 W Grove



215 S Barry 1



215 S Barry 2



215 S Barry 3



216 W Grove 2



218 W Charles



218 W Grove



219 E Benton



219 S Bower



219 W Cass



300 N Smith



301 S Barry 1



301 S Barry 2



301 S Barry 3



301 W Montcalm



303 W Grove



306 N Webster



309 S Lafayette



309 S Webster 1



309 S Webster 2



309 S Webster 3



310 E Grove



319 S Hillcrest



319 W Cass



320 W Judd



322 N Irving



322 N Irving 1



400 W Grove



402 E Montcalm



402 W Grove



404 E Fairplains



404 E State



408 E State



413 N Franklin 1



413 N Franklin 2



415 S Franklin



418 E State



418 S Cedar



425 W Montcalm



503 W Orange



506 W Grove 1



506 W Grove 2



506 W Orange



512 W Orange



514 W Grove



520 W Cass



524 W Cass



534 W Cass



601 S Franklin



604 W Grove 1



604 W Grove 2



606 E Fairplains



609 W Cass



611 N Barnard



613 W Grove



614 S Franklin 1



614 S Franklin 2



614 W Montcalm



615 N Lafayette



618 E Fairplains



520 N Barnard (052-667-005-50)



621 W Montcalm



623 E Fairplains



700 E Fairplains



704 W Cass



712 W Cass



723 E Fairplains



726 S Baldwin



801 W Benita



803 S Cedar



804 W Oak 1



804 W Oak 2



805 W Montcalm



806 S Merry Lane



807 W Benita



808 S Merry Lane



810 S Alexander



811 Brierwood N



811 Brierwood S



812 N First



812 W Oak



816 S Marvel



817 S Lafayette



818 W Oak



819 W Orange



821 W Cass



822 W Orange



823 W Washington 1



900 W Cass



902 S Marvel



906 E Brierwood



908 E Judd 1



908 S Marvel



908 S Marvel 2



910 E Judd 2



910 E Judd



918 E Judd



919 S Franklin



921 W Montcalm



922 S Alexander



922 Alexander 2



922 S Cedar



925 S Franklin



925 W Dodge



1002 W Grove 1



1002 W Grove 2



1008 W Grove



1009 W Grove



1010 W Montcalm 1



1010 W Montcalm 2



1030 W Grove



1030 W Grove 2



1112 W Montcalm



1206 W Blackburn



1218 W Blackburn



Brierwood NE



Brierwood NW



Brierwood SE



Brierwood SW



Friendship Park



Veteran's Park



123 S. Bower



209 W. High1



209 W. High2



215 W. High



216 S. Bower



413 S. Bower



401 S. Luray1 (SW Crnr M-57 & Luray)



401 S. Luray2 (SW Crnr M-57 & Luray)



823 W. Washington 2



1010 N. Lafayette1



1010 N. Lafayette2