

PROJECT MANUAL

FOR

DOWNTOWN PARKING LOT
REHABILITATION

411 S. LAFAYETTE STREET
GREENVILLE, MI 48838

CITY OF GREENVILLE
DOWNTOWN DEVELOPMENT AUTHORITY

MONTCALM COUNTY, MICHIGAN

December 6, 2022

Project Number: 401-703-975.220

PREPARED BY:

CITY OF GREENVILLE
ENGINEERING DEPARTMENT
411 S. LAFAYETTE
GREENVILLE, MICHIGAN 48838
(616) 754-5645



CITY OF GREENVILLE

"Danish Festival City"

411 South Lafayette Street

Greenville, Michigan 48838

Phone: (616)754-5645 Fax: (616)754-6320

infocity@greenvillemi.org

ADVERTISEMENT FOR BIDS DOWNTOWN PARKING LOT REHABILITATION

The City of Greenville will receive sealed bids to

Bids will be received at the office of the City Clerk, 411 S. Lafayette, Greenville, Michigan until Tuesday, January 10, 2023 at 2:00 p.m for public parking lot rehabilitation in Greenville's nine downtown parking lots. The work will include approximately 23,867 square yards of cold milling and aggregate base conditioning; 34 drainage structure adjustments; 3,948 tons of Hot Mix Asphalt pavement and 12,285 feet of parking lot striping. All bids will be opened and publicly read at that time in the City Hall Conference Room.

This Advertisement and Instruction for Bidders have been posted in the following locations:

Greenville City Hall, 411 S. Lafayette, Greenville, Michigan 48838

City of Greenville Website Bid Posting at: <http://greenvillemi.org/bids-rfps/>

Builders Exchange website at: <https://home.grbx.com/>

Construction Association of Michigan website at: <https://buildwithcam.com/>

Construct Connect website at: <https://www.constructconnect.com/>

The Contract Documents may be examined at the following location:

Greenville City Hall, 411 S. Lafayette, Greenville, Michigan 48838

Copies of the Contract Documents may be obtained on request from dhinken@greenvillemi.org at no cost to the Bidder.

**BIDDERS, PLEASE INDICATE AN INTEREST IN BIDDING BY
EMAIL TO dhinken@greenvillemi.org SO THAT A PLANHOLDER
LIST CAN BE AVAILABLE FOR SUPPLIERS TO HAVE THE
OPPORTUNITY TO PROVIDE INFORMATION.
THANK YOU.**

NORICE T. RASMUSSEN
Clerk – Financial Director

DOWNTOWN PARKING LOT REHABILITATION

**CITY OF GREENVILLE
MONTCALM COUNTY, MICHIGAN**

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INSTRUCTIONS TO BIDDERS

SCOPE OF WORK:

There are 9 public parking lots in the Greenville downtown area that require rehabilitation as part of this Project. Each lot is shown as separate Figures at the end of these specifications along with a Table to summarize quantities and work items. The work items for Lots 1-8 will include:

1. Cold mill and remove the existing 2" to 2-1/2" asphalt surface to existing gravel (there are manholes indicated on the Figures that need to be preserved in the process).
2. Where indicated, adjust castings by, removing the casting and the top adjusting ring 3" or less, re-set the casting and secure with non-shrink mortar.
3. Grade the existing gravel base as needed to provide drainage to structures or streets. If there is excess gravel it can be stored at Lot 8 and used as needed in other areas. Moving excess gravel is paid for as the Salv Aggregate Base Conditioning, LM item.
4. Lay a new HMA mat as indicated in the Figures.
5. Restripe as shown.

Lot 9, will be a slurry sealcoat and restriping only.

It is desired that adjacent sections of parking lot be used for customer and residential parking during the work, so each lot is shown with intermediate sections. Removal, adjustment and repaving in each segment shall be done without interruption except for weekends or weather related causes.

The Work sequence that is laid out in this document has been chosen to minimize the impact to parking as much as possible. The Bidder may suggest alternative sequencing for review and approval by the Greenville Downtown Development Authority (DDA). The Bidder may combine sections of work to be done concurrently but not in adjacent sections.

The prioritized order for sequencing is to complete all work on the west side of Lafayette Street first, then proceed to the east side after the Danish Festival, as follows:

1	Lot 1A	7	Lot 4A	13	Lot 6A
2	Lot 1B	8	Lot 4B	14	Lot 6B
3	Lot 2A	9	Lot 9	15	Lot 7A
4	Lot 2B	10	Lot 5A	16	Lot 7B
5	Lot 3A	11	Lot 5B	17	Lot 8
6	Lot 3B	12	Lot 5C		

Lot 8 will be used as a staging area for another Project with a completion date of October 31, 2023. Therefore, completion of that lot is last and will need to wait until the site is cleared by that Contractor. It will be acceptable to plan that work for Spring 2024.

Instructions to Bidders
DOWNTOWN PARKING LOT REHABILITATION
Bid Date: January 10, 2023 at 2 p.m.
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SPECIFICATIONS BY REFERENCE:

The Items and Item Numbers on the bid sheet are standard items based on the MDOT 2020 Standard Specifications for Construction. The technical specifications for these items will be referenced to that document, which can be found at:

<https://www.michigan.gov/mdot/business/construction/mdot-standard-specifications-and-reference-publications>

Division 1 will not apply. Items with a "7" as the fourth digit will have a Special Provision in this document.

COORDINATION OF WORK:

The City has a Project to reconstruct Clay Street that will be active from May 15 to July 31, 2023. Parking Lot 8 will be used for that Contractors staging operations for work south of M-57 that will continue until October 31, 2023.

The Parking Lot Contractor shall coordinate with the Road Contractor for use of Lot 8 for staging materials or accessibility within the Clay Street corridor.

The Downtown Development Authority is also anticipating a communications installation project in 2023. The Engineer may ask the Contractor to mill portions of parking lots out of sequence so that underground cables can be installed prior to resurfacing. The Contractor shall comply with such requests to the extent possible. Payment for milling will be paid for at the Contract unit price. Other Contractors will be responsible for compaction of bore pits or trenches and establishing gravel to the existing gravel grades.

ACCESSIBILITY:

These parking lots support residential and business purposes in downtown Greenville, which cannot be completely interrupted. The Contractor shall make reasonable provisions for the public to access nearby buildings and cross the work without damaging the work or causing damage or injury to the public. The Contractor will not be held responsible if provisions are made and the public ignores the provisions. In such cases, the Greenville Public Safety should be contacted to intervene when necessary.

PROJECT BID DOCUMENTS:

The Project BID Documents include this Project Manual and MDOT 2020 Standard Specifications for Construction, by reference. Any conflicts found in the drawings or Project Manual shall be brought to the attention of the City Clerk / Finance Director for a determination of prevailing information.

Instructions to Bidders
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QUESTIONS FROM BIDDERS:

All questions from BIDDERS, regarding any part of the Plans or Project Manual, shall be directed in writing to:

Doug Hinken, City Engineer
City of Greenville
411 S. Lafayette Street
Greenville, MI 48838
Or by email at: dhinken@greenvillemi.org

The City Engineer will provide written answers to questions through addenda and/ or posted on the City of Greenville Webpage at www.greenvillemi.org. They will also be sent directly to those BIDDERS who have made their intention to bid known by email notification to the City Engineer, by the BIDDER.

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, the Scope of Work, and the Project Manual included herewith. Each BIDDER is responsible for inspecting the site and for reading the CONTRACT DOCUMENTS to become thoroughly familiar with the Scope of the Work. The failure or omission of any BIDDER to do any of the foregoing shall in no way relieve any BIDDER from any obligation in respect to his BID.

BIDDERS must satisfy themselves of the accuracy of the estimated quantities in BID Schedule by examination of the site and a review of the drawings and Project Manual; including ADDENDA. After BIDS have been submitted, the BIDDER shall not assert that there was a misunderstanding concerning the quantities or nature of the WORK to be supplied.

The OWNER shall provide to BIDDERS prior to BIDDING, all information which, is pertinent to, and delineates and describes, the land owned and rights-of-way acquired or to be acquired.

The CONTRACT DOCUMENTS contain the provisions required for the assembly and conveyance by BIDDER, and acceptance by OWNER, of the Project. Information obtained from an officer, agent, or employee of the OWNER or any other person shall not affect the risks or obligations assumed by the CONTRACTOR or relieve him from fulfilling any of the conditions of the contract.

BIDDER EXPERIENCE AND QUALIFICATIONS

It is the intention of the OWNER to award this contract to the lowest responsive and responsible BIDDER, and reserves the right to reject any and all bids, or postpone the bid due date, for sound, documentable business reasons. A responsive and responsible BIDDER is one who has indicated their intention to BID; has completely filled in the appropriate forms and other documents required; and has otherwise demonstrated a good-faith effort to submit a complete bid. The OWNER reserves the right to waive any minor irregularities or informalities in the BIDS.

Instructions to Bidders
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No BIDDER shall withdraw his BID for a period of ninety (90) days after the date of the BID opening. Should there be reasons why the CONTRACT cannot be awarded within the specified period; the time may be extended by mutual agreement between the CITY OF GREENVILLE and the BIDDER.

BIDS:

BIDS for this Project will be publicly solicited and will result in a unit-price contract based on field measured quantities. It also includes lump sum items. The BID FORM includes 3 pages including a signed statement of compliance, acknowledgement of ADDENDA, a listing of items of work for the

BIDDER to fill in total prices and signature page. All signatures must be original and in ink. The BID FORM shall be completely and legibly filled in with ink or printed or typed. BIDS shall be signed personally by the duly authorized representative of the BIDDER, and shall include proof of that authority with the BID FORM. The BID amount shall also appear in written form. If there is a discrepancy between the written number and the figures, the written number will take priority.

All BIDS must be submitted on the BID FORM included in these BID DOCUMENTS and received in the Office of the City Clerk at City Hall, 411 S. Lafayette Street, Greenville, Michigan 48838, on or before January 10, 2023 at 2:00 p.m. A BID will be considered complete as follows: All 3 pages of the fully completed, signed BID, acknowledging any ADDENDA; proof of authority to sign on behalf of the BIDDER, which could include a certified copy of resolutions or power of attorney, or other attestations; the required BID BOND and a list of references for similar work.

ELECTRONIC OR ALTERNATE FORMS OF BIDDING NOT ALLOWED:

The Greenville City Charter does not allow electronic, faxed or alternate forms of bidding.

BID ENVELOPE LABELING:

Please mark " PARKING REHAB" on the outside of the envelope, along with the BIDDERS name and address, and submit to the City Clerk's Office prior to the BID opening. If forwarded by mail, the sealed envelope containing the BID must be enclosed in another envelope.

BID BOND:

A BID BOND, in the amount of 5% of the Bid amount will be required for this Project.

BIDDER REFERENCES:

The BIDDER shall submit, with the BID, a listing of a minimum of three references for successfully completed, similar Work. Each reference shall include the following:

1. Brief description of the Work, including similar BID items.
2. Project Owner
3. Owner Contact
4. Owner Mailing Address
5. Owner Telephone and Email Address

BID REVIEW PROCESS:

When the BIDS are publically opened, the TOTAL amount will be read aloud and recorded. The BIDS and required submittals will be reviewed, tabulated and checked by the City of Greenville. The lowest, responsive and responsible BIDDER will be determined from the BID PRICE and a demonstration of competence for the Work through supplied references.

When a suitable APPARENT LOW BIDDER has been determined, the City of Greenville will make a recommendation of Award to the Greenville Downtown Development Authority (DDA). If approved by the DDA, it will also be approved by the Greenville City Council. A Notice of Award will be issued to the BIDDER following review and approval of the Greenville City Council.

RIGHTS RESERVED BY THE CITY:

The CITY OF GREENVILLE reserves the right to accept to reject any or all BIDS for sound, documentable business reasons. The competency and responsibility of BIDDERS will be considered in awarding CONTRACTS. The CITY OF GREENVILLE does not obligate himself to accept the lowest or any other bid. The CITY OF GREENVILLE reserves the right to waive any informality or minor defects in any or all bids. The CITY OF GREENVILLE reserves the right to increase or decrease quantities of BID ITEMS without additional compensation.

BID REJECTION APPEAL:

If an APPARENT LOW BIDDER is rejected for recommendation to Award the Project, the City will give a written notice stating the reason(s) for the rejection. The Bidder has the right of appeal and shall submit a written statement of appeal within 5 days of the date on the written notice of rejection. The statement shall clearly state the dispute and offer evidence to support their claim. The appeal will be presented to the Greenville Downtown Development Authority at the meeting where the Bids are to be approved for their final decision.

CONTRACTOR EXECUTION OF CONTRACT:

Upon issuance of the NOTICE OF AWARD, the BIDDER shall be referred to as the CONTRACTOR and shall execute the CONTRACT within 14 days and submit 2 copies of said duly sealed CONTRACT document with original signatures; INSURANCE certificate and Required BONDS. Failure to execute the CONTRACT in a timely manner shall be cause for the OWNER to commence acceptance with the next APPARENT LOW BIDDER.

INSURANCE:

All policies required shall be written by a company licensed to do business in the State of Michigan. The amount of INSURANCE coverage shall be as follows:

- All Contractors / Subcontractors must carry Workers Compensation Insurance as required by law. Bodily Injury / Property Damage: \$1,000,000 Each Occurrence; \$2,000,000 Aggregate.

Instructions to Bidders
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- The CITY OF GREENVILLE shall be named as an additional insured on all liability policies. The CONTRACTOR shall notify the CITY OF GREENVILLE immediately of any damages on the Project Site, whether or not the CONTRACTOR is liable.
- The CITY OF GREENVILLE shall receive an INSURANCE certificate prior to 14 days before beginning the Project.

NOTICE TO PROCEED:

The CITY OF GREENVILLE expects to issue a NOTICE TO PROCEED upon receipt of the fully executed CONTRACT and required BONDS and INSURANCE certificates. The CONTRACTOR shall begin Work within 10 days of the NOTICE TO PROCEED or as agreed upon with the City Engineer.

CONTRACT TIME:

Work shall be complete by October 31, 2023, except that in Lot 8, which must be complete by May 31, 2024.

EXTENSION OF CONTRACT TIME:

The Contractor may apply for an Extension of Contract Time if conditions that are beyond the Contractors control may affect the completion date of the Project. The Contractor shall inform the City Engineer in writing within 10 days of the cause and need for a time extension. The City Engineer shall provide a written response to the Contractors request within 10 days. No Contract Extension will be granted without a written request within this time frame.

LIQUIDATED DAMAGES:

The Contractor will agree to pay the City of Greenville liquidated damages in the amount of \$800 for each calendar day that work remains unfinished beyond the Contract date or extend completion date. Liquidated damages will apply for unfinished work for Lots 1-7 and 9 beyond October 31, 2023 or as extended and for unfinished work for Lot 8 beyond May 31, 2024 or as extended.

HOLIDAYS AND FESTIVALS

No work shall occur over holiday periods or local events. Any work that has begun prior to a holiday, weekend or local event shall be secured and open to the public prior to leaving the site. The following periods are to be included:

- Good Friday/Easter
- Memorial Day Weekend
- Independence Day
- Danish Festival – August 18 – 20, 2023
- Labor Day Weekend

Instructions to Bidders
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WEEKENDS

Weekend work shall not be allowed unless approved by the City Engineer.

WARRANTY:

The Contractor shall warranty the work for 1 year against defects. Any defects noted within that period of time shall be corrected by the Contractor at his cost.

BID FORM

Proposal of _____ (hereinafter called
“BIDDER”), organized and existing under the laws of the State of _____
doing business as *_____

To the City of Greenville (hereinafter called "OWNER")

In compliance with your Advertisement for Bids, BIDDER hereby proposes to perform all
WORK for the construction of the DOWNTOWN PARKING LOT REHABILITATION, 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.

BIDDER hereby agrees to execute the CONTRACT within 14 days of the date of the
NOTICE OF AWARD and commence WORK under this CONTRACT on or before 10 days
following the NOTICE TO PROCEED, or as weather and material availability allows, and
complete work on all Parking Lots, except Lot 8, by October 31, 2023. All work shall be complete
by May 31, 2024.

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

BIDDER acknowledges receipt of the following ADDENDA:

The following addenda have been received, are hereby acknowledged, and their execution is included in the above proposal amount:

Addendum No. _____	Dated _____	Addendum No. _____	Dated _____
Addendum No. _____	Dated _____	Addendum No. _____	Dated _____
Addendum No. _____	Dated _____	Addendum No. _____	Dated _____

CERTIFICATION

The BIDDER 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 thereto.

BIDDER understands that the quantities shown are approximate only and are subject to either increase or decrease. The BIDDER acknowledges that the OWNER may request adjustments to the BID ITEM quantities after the BID DATE and that such adjustments will be made, in writing, at the BID UNIT PRICES.

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 BIDDER acknowledges that the BIDS include costs for compliance with State requirements.

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 FORM.

The undersigned certifies that he or she is duly authorized to sign on behalf of the BIDDER and is including proof of such authority as part of the BID.

The BIDDER certifies that he is confident in his ability to complete the specified work within the terms of the Contract time or will be responsible for LIQUIDATED DAMAGES as provided herein.

BID

Item Code	Item	Unit	Total Qty	Unit Price	Total Price
1100001	Mobilization	LSUM	1		
3020001	Aggregate Base	Ton	20		
3020050	Aggregate Base Conditioning	Syd	23,867		
3022005	Salv Aggregate Base, Conditioning, LM	Cyd	20		
4030005	Dr Structure Cover, Adj, Case 1	Ea	34		
5010002	Cold Milling HMA Surface	Syd	23,867		
5017031	HMA	Ton	3,948		
5067011	Surface Sealcoat	Syd	1,300		
8117001	Pavt Mrkg, Regular Dry, 4 inch, White	Ft	8,430		
8117001	Pavt Mrkg, Regular Dry, 4 inch, Blue	Ft	1,461		
8117001	Pavt Mrkg, Regular Dry, 4 inch, Red	Ft	2,394		
8117050	Pavt Mrkg, Omy Cold Plastic, Handicap Sym, Blue	Ea	22		
8120012	Barricade, Type III, High Intensity, Double Sided, Lighted, Furn	Ea	8		
8120013	Barricade, Type III, High Intensity, Double Sided,	Ea	8		
TOTAL BID PRICE					
WRITTEN PRICE					

Respectfully submitted.

Signature: _____

Witness: _____

Name (Printed): _____

Seal: _____
(If corporation, affix seal)

Title: _____

Address: _____

Phone No: _____

Email Address: _____

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 ____ of _____ by and between the **City of Greenville**, hereinafter called “OWNER” and _____ doing business as a business 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

DOWNTOWN PARKING LOT REHABILITATION

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.

The CONTRACTOR will commence the work required by the CONTRACT DOCUMENTS within 10 calendar days after the date of the NOTICE TO PROCEED, weather and material availability permitting and will complete work on all Parking Lots, except Lot 8, by October 31, 2023 unless the date is extended otherwise by the CONTRACT DOCUMENTS. All work shall be complete by May 31, 2024. Failure to complete the CONTRACT work by these dates shall result in payment by the Contractor in the amount of \$800 per calendar day for each day that work is incomplete beyond the CONTRACT date.

3. 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.

4. The term “CONTRACT DOCUMENTS” means and includes the following:

A. Advertisement For BIDS

B. Information For BIDDERS

C. ADDENDA

D. BID

E. Agreement

F. NOTICE OF AWARD

G. NOTICE TO PROCEED

H. CHANGE ORDERS

I. FIGURES AND TABLES prepared by City of Greenville Engineering Dept.

J. PROJECT MANUAL issued by the City of Greenville Engineering Dept. dated
December , 2022

5. 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.

6. 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: _____

ATTACHMENT A GENERAL CONDITIONS

1.0 Assignment of Contract and Other Contracts

- 1.1 The Contractor shall not assign the Contract or any part thereof without the written consent of the City.
- 1.2 The City reserves the right to let other contracts in connection with this Work even if of like character to the Work under this Contract. The Contractor shall coordinate this Work with such other concerns.
- 1.3 If any part of the contractor's work depends for proper execution or results upon the work of any other contractor, the contractor shall inspect and promptly report to the City any defects in such work that render it unsuitable for such proper execution and results. The Contractor's failure to so inspect and report shall constitute and acceptance of the other contractor's work.

2.0 Materials and Workmanship

- 2.1. All workmanship shall conform to the best current practices of the respective trades, and all equipment, materials, and articles incorporated in the Work under the contract shall be new and of a grade consistent in the opinion of the City with the quality and performance requirements of their respective kinds for the purpose. The Contractor, shall if required, furnish evidence as to kind and quality of materials.
- 2.2 In general, it is the intent of these Conditions to permit the use of equipment of any manufacture so long as they are fully consistent in the opinion of the City with the quality and performance requirements of the job. This is indicated by the use of the words "or approved equal" following a specific trade name or manufacturer.
- 2.3 Material installed on the project shall be carefully inspected by the City. The Contractor shall within twenty-four (24) hours after receiving written notice from the City remove from the grounds or buildings all material, fixtures, or apparatus deemed by the City as failing to conform to the Specifications and/or Plans and/or to the conditions of the Contract.
- 2.4 The City shall have the right to order the Work wholly or partially stopped until the objectionable work, materials, fixtures, or apparatus are removed, or to declare the contract forfeited for non-performance or not being executed according to the intent or meaning of the Specifications and/or Plans.

3.0 Use of the Premises

The Contractor shall confine his equipment apparatus, the storage of materials and operations of his employees to the limits indicated by law, ordinances, permits, or directions of the City, and shall not unnecessarily encumber the premises with his materials or equipment.

4.0 Damages and Save Harmless Clause

To the fullest extent permitted by law the Contractor agrees to defend, pay in behalf of, indemnify, and hold harmless City of Greenville, Michigan its elected and appointed officials, employees and volunteers, and others working in behalf of the City 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, its elected and appointed officials, employees, volunteers, or others working in behalf of the City, by reason of personal injury, including bodily injury or death and/or property damage, including loss thereof, which arises out of or is in any way connected or associated with this contract.

4.1 The contractor shall be responsible for damage to the project property that may be caused by his work.

4.2 The Contractor assumes all risks of damages or injuries, including death, to property or persons used or employed on or in connection with the Work, and all risks of damages or injuries, including death, to any persons or property wherever located, resulting from any action, omission, or operation under the contract or in connection with the Work, whether such action, omission, or operation is in any manner directly or indirectly caused, occasioned, or contributed to in whole or in part, or claimed to be caused, occasioned, or contributed to in whole or in part by the contractor, any subcontractor, any material supplier, anyone directly or indirectly employed by any of them, or any other person. Contractor shall indemnify, hold harmless, and defend the City, their employees, agents, servants, and representatives from and against any and all suits, actions, legal or administrative proceedings, demands, loss, expense, damage, liability, and claims of whatever nature (including but not limited to attorney's fees), regardless of the merit thereof, which may be asserted against the City, their employees, agents, servants, and representatives on account of any such damages or injuries described above, including death, whether or not such damages or injuries, including death, are or are alleged to be caused, occasioned, or contributed to in part by the negligence of the City, their employees, agents, servants, or representatives, and whether or not the contractor and the City are alleged to be jointly liable for such damages or injuries, including death, except the contractor shall not be obligated to indemnify the City hereunder for any damages or injuries, including death, caused by or resulting from the City's sole negligence or willful misconduct.

5.0 Cleaning

The Contractor shall at all times keep the project property and the adjoining premises clean of rubbish caused by the Contractor's operations and at the completion of the Work shall remove all rubbish, tools, equipment, temporary work, and surplus materials from and about the project property and shall leave the Work Area clean and ready for use.

6.0 Permits and Inspections

The contractor shall obtain all necessary permits required by laws and regulations, give all required notices, and pay all lawful fees in accordance with requirements for this Work and the locality in which the project is being built. The Contractor shall deliver to the City certificates of inspection where such are required.

7.0 Insurance

Insurance shall be provided in accordance with policy amounts, and coverage described in the Instructions to Bid.

8.0 Safety

The Contractor shall perform all work in accordance with "The General Safety Rules and Regulations for the Construction Industry" as promulgated by the State Construction Safety Commission under the authority of the Safety Act, Act 89 of the Public Acts of 1963, as amended, and the Federal Occupational Safety and Health Acts of 1970, Public Law 91-596, 84 Stat. 1590, as amended, and MiOSHA regulations.

9.0 Non-Discrimination

In connection with the performance of Work under this Contract, the Contractor agrees not to discriminate against any employee or applicant for employment because of sex, race, religion, color or national origin. The aforesaid provision shall include, but not be limited to the following:

recruitment or recruitment advertising; employment, upgrading, demotion, or transfer; and layoff and selection for training, including apprenticeship. Contractor shall comply with the Elliott Larsen Civil Rights Act, 1976 PS 453, as amended, MCL37.2101 et seq., the Persons with disabilities Civil Rights Act, 1976 PA 220 as amended, MCL37.1101 et seq., and all other federal, state, and local fair employment practices and equal opportunity laws and covenants regarding discrimination.

10.0 Liens

The Contractor shall deliver the Work free and clear of liens. A Waiver of Lien shall be submitted with the final invoice.

11.0 Guarantees

In addition to the specific guarantees required by the Specifications for the Work to be performed under this Contract, the contractor shall furnish a written guarantee of all the Work to be performed under this Contract against defects in materials or workmanship for a period of one year from the date of final acceptance of the complete Work by the City. The Contractor shall within a reasonable time after receipt of written notice thereof, make good any defects in materials or workmanship which may develop during said period and any damage of other work caused by said defects or the repairing of same at his own expense and without cost to the City.

12.0 Bonding Requirements

Refer to Instructions to Bidders

13.0 Violations and Failure to Comply

If the Contractor is willfully violating any of the provisions of this Contract, or should the work or any part thereof, be not fully completed within the time granted in the Contract by the City then, in any such case, the City may notify the Contractor, in writing, to discontinue all work, or any part thereof, and the contractor shall discontinue the work as directed. Said notice may be served either personally or by leaving a copy at the usual place of residence or business of said Contractor or by mailing such notice to the address given at the time of the signing of this Contract; if the contractor consists of more than one person, service may be made on any or all of them. The City may thereupon according to law, enter upon and take possession of the work, or any part thereof. The City may re-advertise and re-let the uncompleted portions of said Contract and all expense or financial loss to the Owner arising from completing said Contract, including adjustments to the contract Performance Bond and all additional contract security, and for the cost of additional managerial and administrative services, shall be deducted by the Owner out of monies then due or to become due, the Contractor under this Contract. In case such expense shall exceed the amount which would have been payable under this Contract, if the same had been completed by the Contractor, the contractor or his Sureties shall pay the amount of such excess to the Owner in proportion to amounts the Owner in proportion to amounts the Owner had been obligated to pay the Contractor pursuant to this Contract. Should such expense be less than the amount payable under this Contract had the same been completed by the contractor, he shall receive the difference from the Owner. In such instance, the Owner shall each pay the Contractor in proportion to amounts the Owner had been obligated to pay the Contractor pursuant to this Contract. In cases this Contract or any alterations or modifications thereof be thus terminated, the decision of the Owner shall be conclusive and said Contractor shall not be allowed to claim or received any compensation or damages for not being allowed to proceed with the Work.

14.0 Extension of Time

If the contractor finds it impossible for reasons beyond his control to complete the work within the time specified, or as extended in accordance with the provisions of this paragraph, he may, at any time prior to the expiration of the time, as extended, make a written request to the Owner for an extension of time setting forth the reasons which he believes will justify the granting of his request.

The contractor's plea that insufficient time was specified is not a valid reason for extension of time.

If the Owner finds that the Contractor's work was delayed because of conditions beyond the control and without the fault of the Contractor, they may extend the time for completion in such amount as

conditions justify. The extended time for completion shall then be in full force and effect, the same as though it were the original time for completion.

15.0 Discrepancies in Drawings

Any discrepancies found between the Drawings and specifications and site conditions or any errors or omissions in the Drawings and Specifications shall be immediately reported to the owner who shall promptly contact the consultant to correct such error or omission in writing. Any work done by the contractor after his discovery of such discrepancies, errors or omissions shall be done at the Contractor's risk.

16.0 Equipment Data

The contractor shall furnish three (3) copies of complete catalog data for every manufactured item of equipment and all components to be used in the work, including specific performance data, material description, rating, capacity, working pressure, material gage or thickness, brand name, catalog number and general type. Submission shall be with not less than a cover letter itemizing and identifying the materials and providing them in an organized and neat fashion.

17.0 Construction Staking

The Contractor shall furnish all surveys, lines and grades reasonably necessary for the control of the work, including making careful and accurate measurements and for constructing all work accurately to the lines and grades as shown on the Drawings. The contractor shall have the responsibility to carefully preserve and protect U.S. government corners, property corners, bench marks, monuments, and reference points (hereinafter referred to as "Survey Control Points") and construction stakes. In case of loss or disturbance of said points during the construction period, the contractor shall pay the cost of replacement and shall be responsible for any mistakes that may be caused by such loss or disturbance.

18.0 Sanitary Provisions

The Contractor shall provide and maintain sanitary conveniences for the use of all persons employed in the work. The Contractor shall prohibit the committing of a nuisance with the work or upon lands about the work. Any employee found violating these provisions shall be discharged and not again employed without written consent of the Owner. Any temporary facilities will be removed immediately at the completion of the project.

19.0 Additional Work

Additional work beyond the project scope will require written authorization and agreement by the Owner as to the work scope and price to be paid for the work. Any work completed by the Contractor without written documentation from the Owner may risk non-payment for the work. Any additional work that is required in an emergency to protect life and property shall be performed by the Contractor as required and the Owner notified as soon as possible concerning the work required.

20.0 Requests for Payment

The Contractor may submit monthly Requests for Payment for work done and materials delivered and property stored on the site. Each request shall state the work completed for each item, the percentage of the item complete, previous payments, and remaining contract amounts. When payment is requested for materials stored on the site, the requests shall be accompanied by invoices or other information as requested. The Requests for Payment will include a 10% retainage for all payment requested. This retainage will be held according to current laws by the Owner until full project completion.

With each Request, A Contractor's Declaration declaring that the Contractor has not performed any work, furnished any material, sustained any loss, damage or delay, for any reason, including soil conditions encountered or created, or otherwise done anything for which he will ask, demand, sue for, or claim compensation from the owner except as shown on the Declaration and if required shall

submit receipts or other vouchers showing his payments for materials and labor, including payments to sub-contractors.

21.0 Existing Utilities

Prior to commencing work, the contractor will contact Miss Dig and have the existing utilities identified. Additional private utilities shall be discussed on site with the Owner prior to commencing work. The contractor shall had dig to locate utilities where ever deemed practical.

End of General Conditions

PROJECT SPECIFICATIONS FOR DOWNTOWN PARKING LOT REHABILITATION

- 1100001 - Mobilization – Section 110 of MDOT Spec pg. 1-112 (see page 6 for website location)
- 3020001 - Aggregate Base – Section 302 of MDOT Spec pg 3-4 – 3-7. To be used if additional gravel is needed.
- 3020050 - Aggregate Base Conditioning - Section 302 of MDOT Spec pg 3-4 – 3-7.
- 3022005 - Salv Aggregate Base Conditioning, LM - Section 302 of MDOT Spec pg 3-4 – 3-7. To be used in grading result in extra gravel to be used in other areas.
- 4030005 - Dr Structure Cover, Adj, Case 1 – Section 403 of MDOT Spec pg 4-26 to 4-27 & 4-30.
- 5010002 - Cold Milling HMA Surface – Section 501 of MDOT Spec pg 5-11 to 5-13. (QC and Operations Plans are not required)
- 5017011 - Special Provision for Hot Mix Asphalt (HMA) Application Estimate
- 5067011 – Special Provision for Surface Sealcoat
- 8117001 – Special Provision for Pavt Mrkg, Regular Dry, 4 inch, _____
- 8117050 - Special Provision for Pavt Mrkg, Ovly Cold Plastic, Handicap Sym, Blue
- 8120012 – Barricade, Type III, High Intensity, Double Sided, Lighted, Furn – Section 812 MDOT Spec pg 8-84, 8-110 to 8-117.
- 8120013 - Barricade, Type III, High Intensity, Double Sided, Lighted, Oper – Section 812 MDOT Spec pg 8-84, 8-110 to 8-117.

CITY OF GREENVILLE
SPECIAL PROVISION
FOR
HOT MIX ASPHALT (HMA) APPLICATION ESTIMATE

LAP:GREENVILLE

1 of 1

12/06/2022

- a. Description-** This work shall be done in accordance with the requirements of Division 5 of the MDOT 2020 Standard Specifications for Construction, except as herein specified.
- b. Pre-Construction Submittal –** Submit a Job Mix Formula at least 2 weeks prior to work to be approved by the City Engineer prior to placing material.
- c. Construction Methods-** The method for testing compaction and required in-place density shall be by the Direct Density Method by use of a nuclear density gauge. The density will be determined from the Job Mix Formula for the density control target. The required in-place density of the HMA mixture must be 92.0 to 98.0 percent of the density control target.

d. Materials-

HMA, 5E1 (or approved alternate mix) in two lifts of 165 pounds/square yard for each lift.

Heavy Duty Pavement will be HMA, 5E1 (or approved alternate mix) with a lower lift of 275 pounds/square yard and an upper lift of 165 pounds/square yard.

The Performance Grade asphalt binder range for all HMA courses shall be 58-28.

The Aggregate Wear Index (AWI) for the top course shall be a minimum of 260.

The Bond Coat material shall be applied in accordance with Section 501.02 of the MDOT 2020 Standard Specifications for Construction. The uniform rate of application shall be 0.05 – 0.15 gallons/square yard. No separate payment shall be made for the bond coat material.

- e. Measurement and Payment –** Measurement and Payment for HMA mixtures shall be at the contract unit price per ton.

CITY OF GREENVILLE

SPECIAL PROVISION FOR SURFACE SEALCOAT

LOCAL:DES:DWH

1 of 5

12/06/2022

PART 1 GENERAL

1.1 SECTION INCLUDES

- A. Asphalt Pavement Sealcoating

1.2 REFERENCE STANDARDS

- A. American Society for Testing Materials (ASTM)
 - 1. D 2939-03 Standard Test Methods for Emulsified Bitumens Used as Protective Coatings
 - 2. The following ASTM test methods: D140, D466, D529, D244, C88, C131, C117, C127, C123, D1310, D2170, D95, D402, D2171, D5, D113, D2042, D711, D969, D1475, D3960, D2486, E70, D562, D3583, D3236, D5249, D6690, B117, D977
 - 3. ASTM D8099/D8099M-17 Standard Specification for Asphalt Emulsion Pavement Sealer.

1.3 SUBMITTALS

- A. Product Data
 - 1. Submit manufacturer's Product Data Sheet.

1.4 PROJECT/SITE CONDITIONS

- A. Ambient Conditions
 - 1. Both surface and ambient temperature must be a minimum of 50°F and rising before applying cold applied crack fillers, oil spot primers, pavement sealers or traffic paints (materials). Ambient and surface temperature shall not drop below 50°F for a 24 hour period following application of materials.
 - 2. Apply materials during dry conditions when rain is not imminent or forecast for at least 24 hours after application.
- B. Pavement/Surface Conditions
 - 1. Newly placed (paved) asphalt pavement surfaces should be allowed to cure a minimum of four (4) weeks under ideal weather conditions (70°F) before applying coatings.
 - 2. New pavement surfaces shall be free of residual oils or chemicals associated with the placement of new asphalt pavement.
 - 3. Aged pavement surfaces shall be cleaned and prepared as recommended in this specification under PART 3 Sections 3.1 thru 3.7 of this specification.

PART 2 PRODUCTS

2.1 MANUFACTURER

- A. SealMaster Pavement Products and Equipment, 2522 Chicago Drive, S.W., Wyoming, MI 49519, Phone: 616-538-2558. Website: www.sealmaster.net.
- B. Approved Equal

2.2 MATERIALS

- A. Cold-applied Pourable Crack Sealant
 - 1. Premium polymer modified asphalt emulsion crack sealant.
 - 2. Designed to fill cracks up to 1/2" wide in asphalt pavement
 - 3. Provides protective barrier against moisture intrusion into cracks
 - 4. Ready-To-Use, simply stir and pour into properly cleaned crack
 - 5. Penetration (150 gr/5 sec): 50-80
 - 6. Resiliency: >50%
 - 7. Flow at 140°F: <5 mm
 - 8. Softening Point: >150°F
 - 9. Ductility @77°F: >30 cm
 - 10. Bond @ 20°F (1" Mandrel): PASSES
 - 11. Specific Gravity: 1.10 Min
 - 12. Non-volatiles by weight (%): 60% Min
 - 13. Adhesion and resistance to water: No loss of adhesion
 - 14. Flexibility: No cracking or flaking
- B. Cold-applied Crack Sealant Fortified with Mineral Filler and Graded Aggregate
 - 1. Polymer modified asphalt emulsion fortified with mineral filler and specifically graded aggregate.
 - 2. Designed to fill cracks up to 1" wide in asphalt pavement
 - 3. Repairs damaged asphalt and provides a protective barrier against moisture intrusion into cracks
 - 4. Do not dilute. Apply by trowel, squeegee or straightedge
 - 5. Non-volatiles by weight (%): 75%
 - 6. Specific gravity: 1.25 min.
 - 7. Adhesion and resistance to water: No penetration or loss of adhesion
 - 8. Resistance to heat: No blistering or sagging
 - 9. Flexibility: No cracking or flaking
 - 10. Resistance to Impact: No chipping, flaking or cracking
- C. Clay-stabilized, mineral filled asphalt emulsion sealcoat
 - 1. Designed for protecting, renewing and beautifying asphalt pavement surfaces
 - 2. Protects pavement against weather, UV rays, and environmental distress
 - 3. Designed to mixed on-site with water, Polymer Latex Resin Modifier, silica sand or other approved aggregate
 - 4. Applied to properly cleaned asphalt surface by spray, brush or squeegee.
 - 5. Non-volatiles (%): 47 Min.

6. Ash content of non-volatiles (%): 30-60 Min.
 7. Specific Gravity @ 25°F: 1.18 Min.
 8. Drying Time: 8 hours Max.
 9. Adhesion & resistance to water: No penetration or loss of adhesion
 10. Resistance to heat: No blistering or sagging
 11. Flexibility: No cracking or flaking
 12. Resistance to impact: No chipping, Flaking or Cracking
- D. Polymer Latex Resin Modifier
1. A polymer latex resin emulsion designed to modify both asphalt based and coal tar based pavement sealers. Designed to impart toughness, lock in aggregate and provide a blacker color to the cured, dry film.
 2. Solids by weight (%): 40-50%
 3. Specific Gravity @25°C: 1.01 – 1.08
 4. Ash of non-volatiles %: .05 - .15%
 5. Flexibility: No Cracking or Flaking
 6. Resistance to Impact: No chipping, Flaking or cracking
 7. Wet Film Continuity: Smooth. Nongranular Free from Coarse particles

PART 3 EXECUTION

3.1 EXAMINATION

- A. Examine pavement surface prior to performing work
- B. Notify architect or project engineer of any adverse or unacceptable conditions that would affect successful repair efforts or application of materials
- C. Do not commence work until unacceptable conditions are corrected

3.2 SURFACE PREPARATION

- A. Surface must be clean and free from all loose material and dirt. Remove grass along edge of pavement to find true edge of pavement. Power blowers, mechanical sweeping devices and push brooms are acceptable cleaning methods.
- B. Where roots cross the Trail, the HMA surface shall be sawcut to remove an approximately 6-inch width centered on the root. The root shall be cut at either end and completely removed from the base. Gravel shall be provided by the City of Greenville. It shall be placed and compacted as needed for the surface to match that of the adjacent gravel. HMA patching material shall be placed prior to sealcoating.

3.3 CRACK REPAIR

- A. Cold Applied Crack Filling Materials and Methods
 - 1. Clean cracks of all dirt, debris and vegetation prior applying crack filling.
 - 2. For cracks up to ½" apply Cold-applied Pourable Crack Sealant. Sealant may be applied directly from container, pour pot, crack banding equipment or mechanized pumping equipment. Allow to dry before sealcoating.
 - 3. For cracks larger than ½" wide and up to 1" wide apply Cold-applied Crack Sealant Fortified with Mineral Filler and Graded Aggregate. Apply sealant with trowel, squeegee or straightedge. Allow to dry before sealcoating.
 - 4. Contractor or other Entity Responsible for performing work shall refer to Manufacturer's Product Data Sheet for more detailed application instructions for materials.

3.4 HMA PATCH

- A. Use hot mix asphalt to patch holes and removal cuts.

3.5 CLAY-STABILIZED, MINERAL FILLED ASPHALT EMULSION SEALCOAT APPLICATION

- A. Applying Clay-stabilized, mineral filled asphalt emulsion sealcoat
 - 1. Remove all loose material and dirt from pavement surface. Remove grass along edge of pavement to find true edge of pavement. Power blowers, mechanical sweeping devices and push brooms are acceptable cleaning methods.
 - 2. Equipment used to apply Clay-stabilized, mineral filled asphalt emulsion sealcoat shall have continuous agitation or mixing capabilities to maintain homogeneous consistency of pavement sealer mixture throughout the application process. Spray equipment shall be capable of mixing and spraying pavement sealer with sand added. Self-propelled squeegee equipment with mixing capability shall have at least 2 squeegee or brush devices (one behind the other) to assure adequate distribution and penetration of sealer into pavement surface. Hand squeegees and brushes shall be acceptable in areas where practicality prohibits the use of mechanized equipment.
 - 3. Clay-stabilized, mineral filled asphalt emulsion sealcoat shall be mixed in accordance with the following mix design (based on 100 gallons of Clay-stabilized, mineral filled asphalt emulsion sealcoat for ease of calculation):
 - Sealcoat 100 gallons
 - Water..... 15-25 gallons
 - Polymer Latex Resin Modifier..... 1 gallon
 - Sand (40 to 70 mesh AFS fineness gradation)..... 300-500 lbs.

4. Apply two coats of mixed Clay-stabilized, mineral filled asphalt emulsion sealcoat at a rate of .11 to .13 gallon per square yard per coat to entire pavement area. Allow first coat to dry thoroughly before applying second coat.

PART 4 MEASUREMENT AND PAYMENT

- 4.1 CRACK SEALING** – Crack sealing will be measured along the length of the crack and payment will be made at the item unit price per lineal foot based on average width of the crack. The item unit price shall include all labor, equipment, material and miscellaneous costs to fill the cracks to these specifications and protect the Work from damage from premature use.
- 4.2 HMA PATCH** – Patching of holes and removals will be measured by total ton of material documented by load ticket less the amount not used. Payment will be made at the item unit price per ton. The item unit price shall include all labor, equipment, material and miscellaneous costs to complete the patches and protect the Work from damage from premature use.
- 4.3 SURFACE SEALCOAT** – Surface Sealcoat will be measured along the length and width of the Trail surface to be coated. Payment will be made at the item unit price per square foot of measured area. The item unit price shall include all labor, equipment, material and miscellaneous costs to apply two coats of material according to these specifications and protect the Work from damage from premature use.

END OF SECTION

CITY OF GREENVILLE
SPECIAL PROVISION
FOR
PAVT MRKG, REGULAR DRY, 4 INCH, _____

LOCAL:DES:DWH

1 of 1

12/06/2022

- a. **Description-** This work shall be done in accordance with the requirements of Section 811 of the MDOT 2020 Standard Specifications for Construction, except as herein specified.
- b. **Construction Methods-** The application of parking lot stripes shall be done by a sprayer appropriate for parking lot striping and approved by the Engineer. Control of the spray pattern shall produce straight lines of consistent width and placed as approved by the Engineer.
- c. **Materials-** The material requirements shall be consistent with Section 811 and shall only vary by color: White, ADA Blue and Red.
- d. **Measurement and Payment-** Per Section 811.04 pg. 8-71 of MDOT 2020 Standard Specifications for Construction.

CITY OF GREENVILLE
SPECIAL PROVISION
FOR
PAVT MRKG, OVLY COLD PLASTIC, HANDICAP SYM, BLUE

LOCAL:DES:DWH

1 of 1

12/06/2022

- a. Description-** This work shall be done in accordance with the requirements of Section 811 of the MDOT 2020 Standard Specifications for Construction, except as herein specified.
- b. Construction Methods-** The application shall be consistent with all standard overlay cold plastic symbols as specified in Section 811.
- c. Materials-** The material requirements of parking lot handicapped symbols shall be consistent with ADA requirements for size and color.
- d. Measurement and Payment-** Per Section 811.04 pg. 8-71 of MDOT 2020 Standard Specifications for Construction.

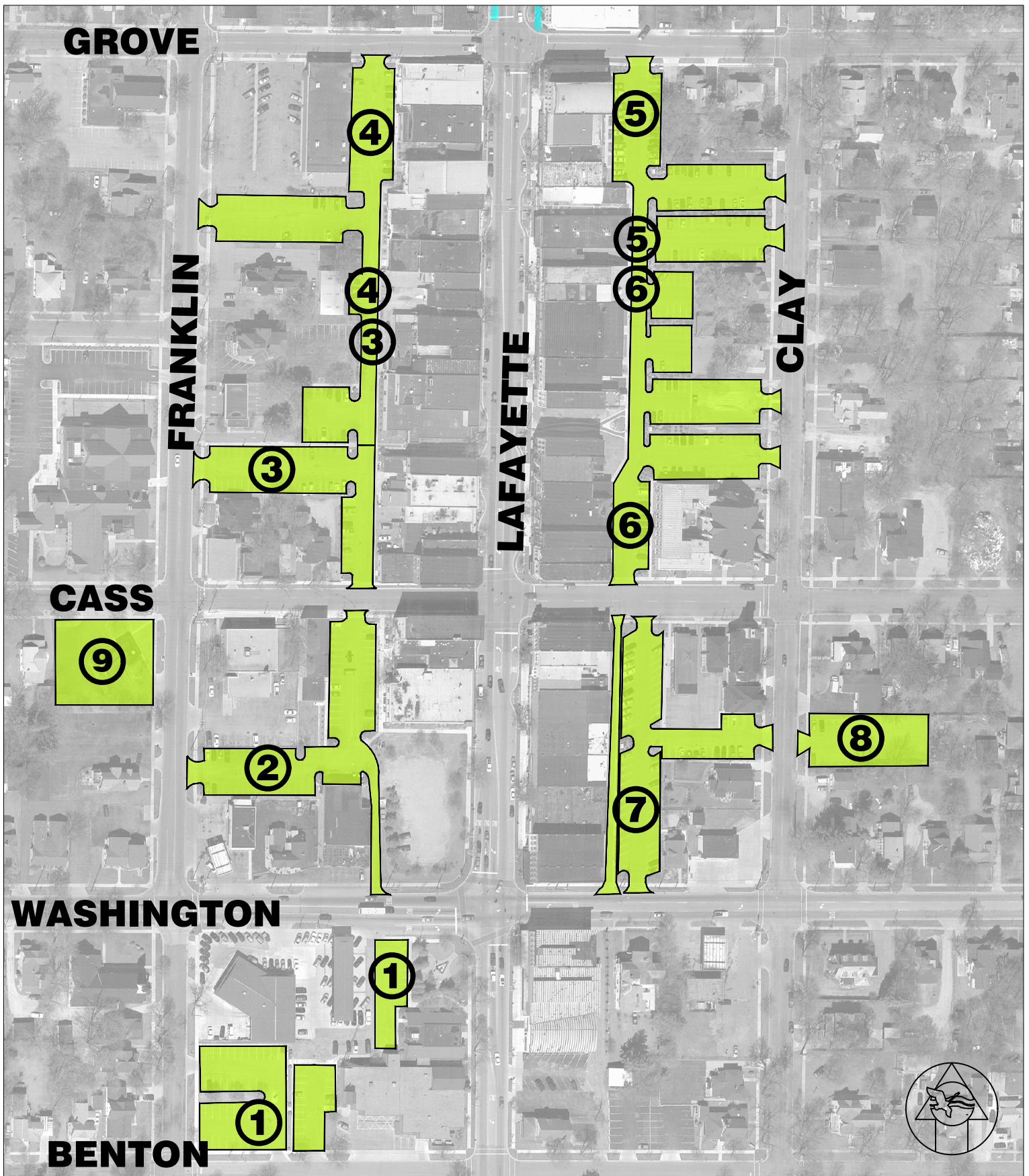
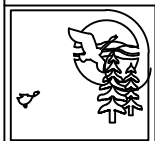


FIGURE 1 - PARKING LOT LOCATION MAP



CITY OF GREENVILLE

ENGINEERING DEPARTMENT

411 S. LAFAYETTE, GREENVILLE, MI 48838
TELEPHONE (616) 754-5645

HORIZONTAL SCALE: NONE

VERTICAL SCALE: NONE

FILE: DDA Parking

JOB #: 401-703-975.220

DRAWN BY: DWH

DATE: 12/05/2022

REVISED:

SHEET 1 OF 11

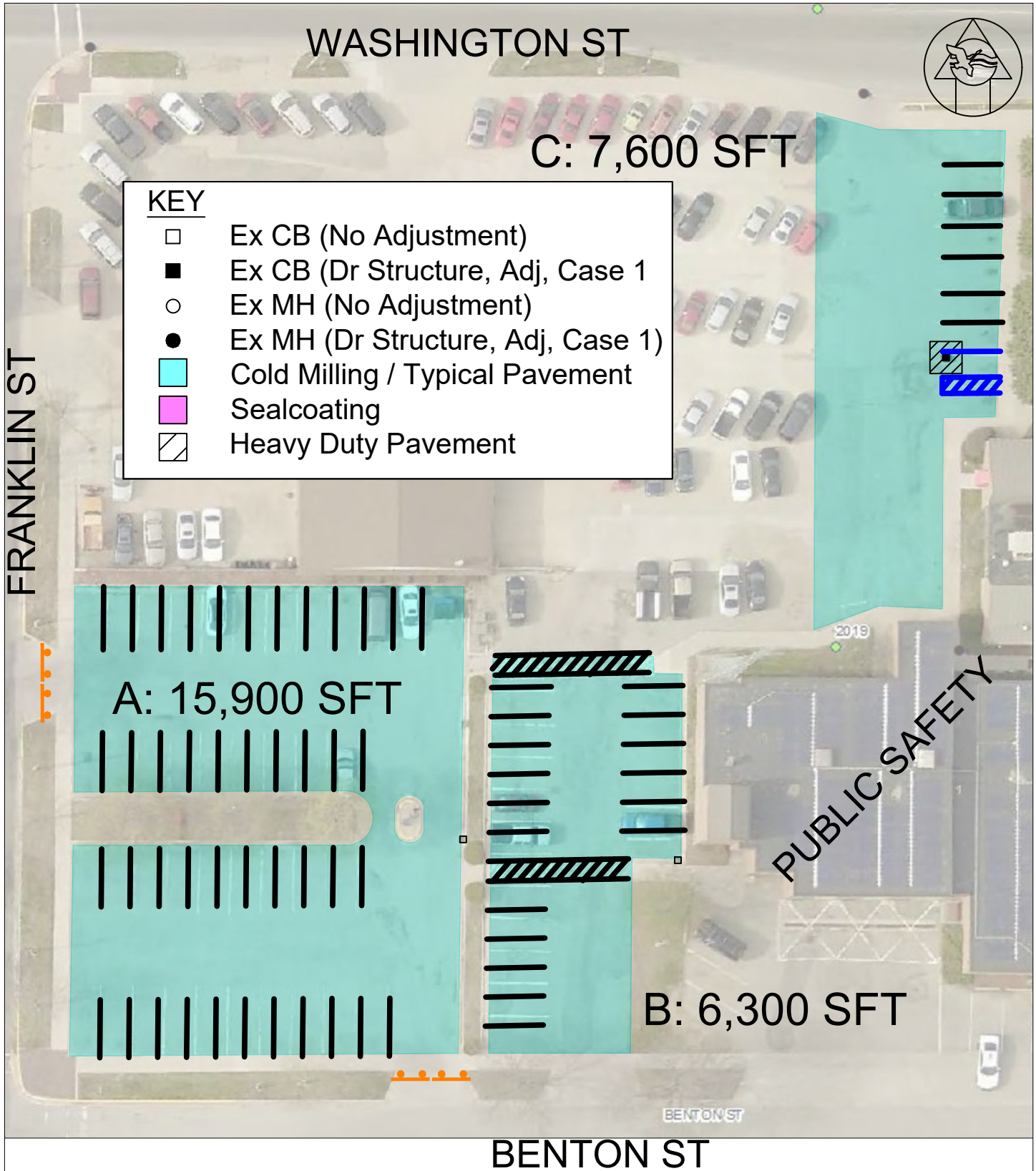
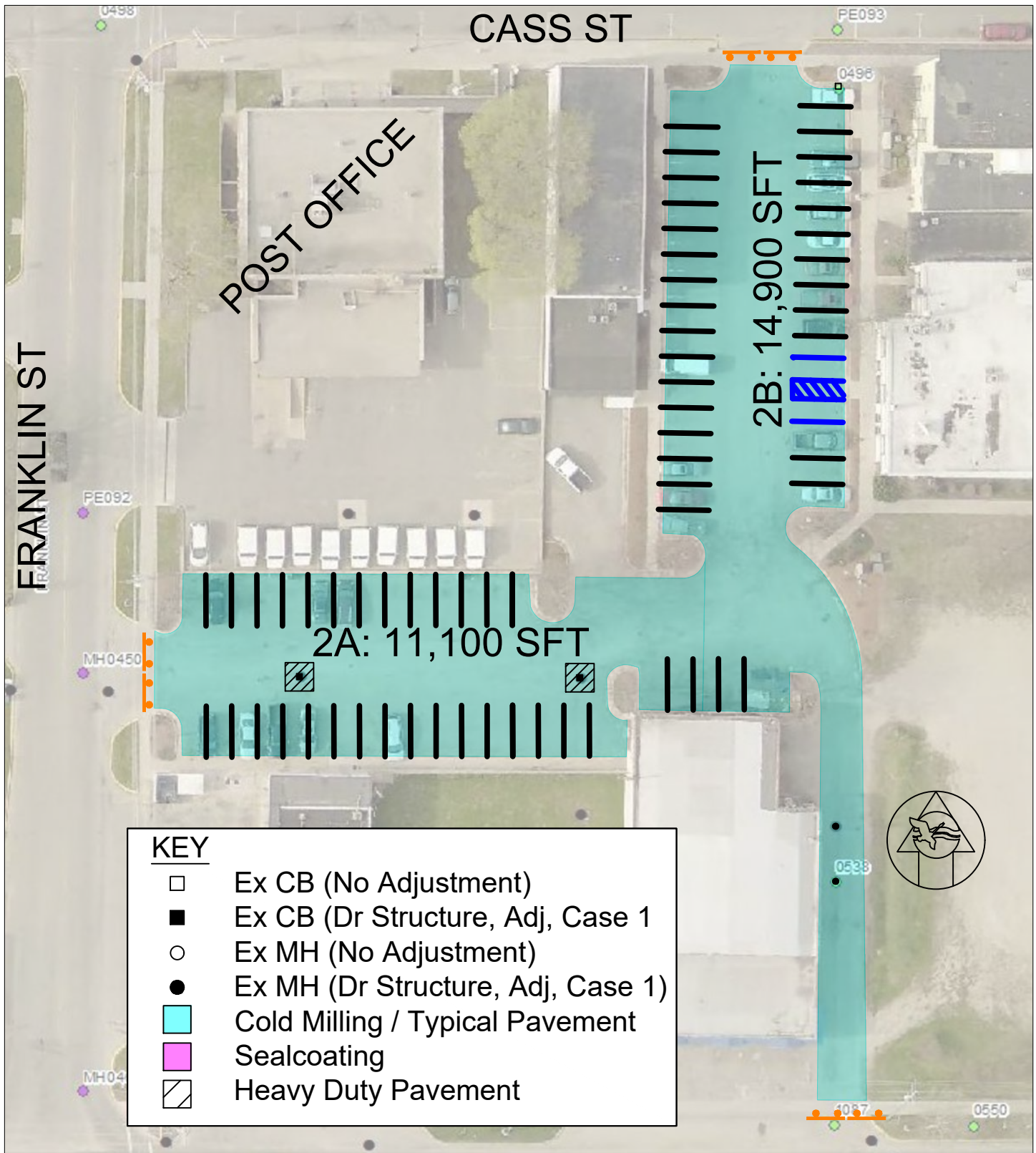


FIGURE 1 - LOT 1 CITY HALL / PUBLIC SAFETY

	CITY OF GREENVILLE ENGINEERING DEPARTMENT 411 S. LAFAYETTE, GREENVILLE, MI 48838 TELEPHONE (616) 754-5645	HORIZONTAL SCALE: NONE	DRAWN BY: DWH
		VERTICAL SCALE: NONE	DATE: 12/05/2022
		FILE: DDA Parking	REVISED:
		JOB #: 401-703-975.220	SHEET 2 OF 11

GREENVILLE DOWNTOWN DEVELOPMENT AUTHORITY
PARKING LOT REHABILITATION

TABLE 1 - LOT 1 ITEM QUANTITIES				
LOT 1 ITEM OF WORK	UNIT	SECTION 1A QUANTITY	SECTION 1B QUANTITY	LOT 1 TOTAL
RESURFACE AREA	Sft	15,900	13,900	29,800
Cold Milling HMA Surface	Syd	1,767	1,544	3,311
Aggregate Base Conditioning	Syd	1,767	1,544	3,311
Dr Structure Cover, Adj, Case 1	Ea	0	1	1
HMA	Ton	292	255	547
Pavt Mrkg, Regular Dry, 4 inch, White	Ft	774	803	1,577
Pavt Mrkg, Regular Dry, 4 inch, Blue	Ft	0	82	82
Pavt Mrkg, Regular Dry, 4 inch, Red	Ft	0	0	0
Pavt Mrkg, Ovly Cold Plastic, Handicap Sym, Blue	Ea	0	2	2



WASHINGTON ST
FIGURE 2 - LOT 2 (300 BLOCK WEST SIDE)

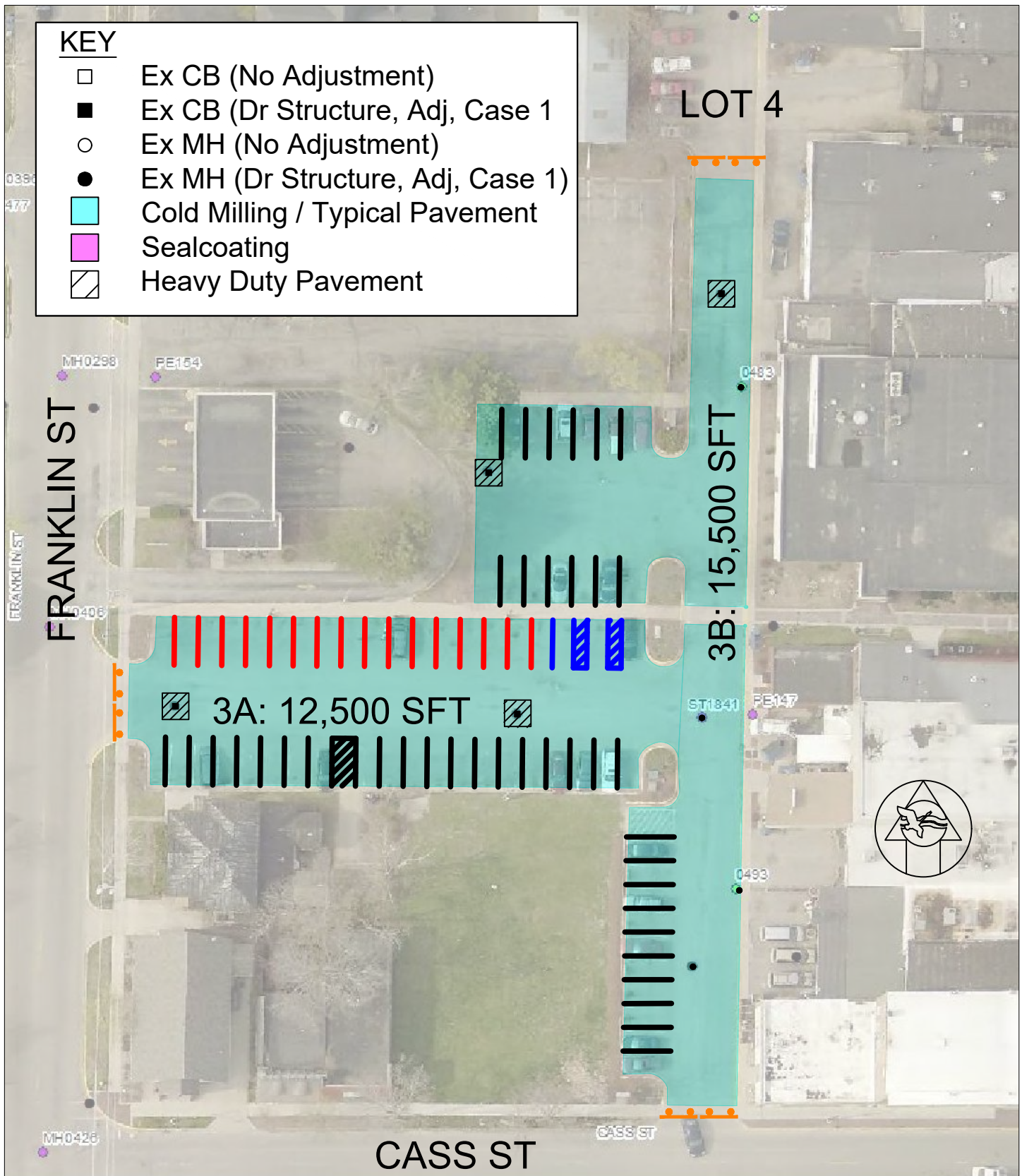


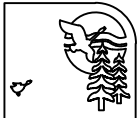
CITY OF GREENVILLE
ENGINEERING DEPARTMENT
 411 S. LAFAYETTE, GREENVILLE, MI 48838
 TELEPHONE (616) 754-5645

HORIZONTAL SCALE: NONE	DRAWN BY: DWH
VERTICAL SCALE: NONE	DATE: 12/05/2022
FILE: DDA Parking	REVISED:
JOB #: 401-703-975.220	SHEET 3 OF 11

GREENVILLE DOWNTOWN DEVELOPMENT AUTHORITY
PARKING LOT REHABILITATION

TABLE 2 - LOT 2 ITEM QUANTITIES				
LOT 2 ITEM OF WORK	UNIT	SECTION 2A QUANTITY	SECTION 2B QUANTITY	LOT 2 TOTAL
RESURFACE AREA	Sft	11,100	14,900	26,000
Cold Milling HMA Surface	Syd	1,233	1,656	2,889
Aggregate Base Conditioning	Syd	1,233	1,656	2,889
Dr Structure Cover, Adj, Case 1	Ea	2	2	4
HMA	Ton	205	274	479
Pavt Mrkg, Regular Dry, 4 inch, White	Ft	558	540	1,098
Pavt Mrkg, Regular Dry, 4 inch, Blue	Ft	0	105	105
Pavt Mrkg, Regular Dry, 4 inch, Red	Ft	0	0	0
Pavt Mrkg, Ovly Cold Plastic, Handicap Sym, Blue	Ea	0	2	2



			
CITY OF GREENVILLE ENGINEERING DEPARTMENT 411 S. LAFAYETTE, GREENVILLE, MI 48838 TELEPHONE (616) 754-5645		HORIZONTAL SCALE: NONE VERTICAL SCALE: NONE FILE: DDA Parking JOB #: 401-703-975.220	DRAWN BY: DWH DATE: 12/05/2022 REVISED: SHEET 4 OF 11

GREENVILLE DOWNTOWN DEVELOPMENT AUTHORITY
PARKING LOT REHABILITATION

TABLE 3 - LOT 3 ITEM QUANTITIES				
LOT 3 ITEM OF WORK	UNIT	SECTION 3A QUANTITY	SECTION 3B QUANTITY	LOT 3 TOTAL
<i>RESURFACE AREA</i>	<i>Sft</i>	<i>12,500</i>	<i>15,500</i>	<i>28,000</i>
Cold Milling HMA Surface	Syd	1,389	1,722	3,111
Aggregate Base Conditioning	Syd	1,389	1,722	3,111
Dr Structure Cover, Adj, Case 1	Ea	2	6	8
HMA	Ton	230	285	516
Pavt Mrkg, Regular Dry, 4 inch, White	Ft	434	396	830
Pavt Mrkg, Regular Dry, 4 inch, Blue	Ft	155	0	155
Pavt Mrkg, Regular Dry, 4 inch, Red	Ft	288	0	288
Pavt Mrkg, Ovly Cold Plastic, Handicap Sym, Blue	Ea	2	0	2

KEY



- Ex CB (No Adjustment)
- Ex CB (Dr Structure, Adj, Case 1)
- Ex MH (No Adjustment)
- Ex MH (Dr Structure, Adj, Case 1)
- Cold Milling / Typical Pavement
- Sealcoating
- ▨ Heavy Duty Pavement

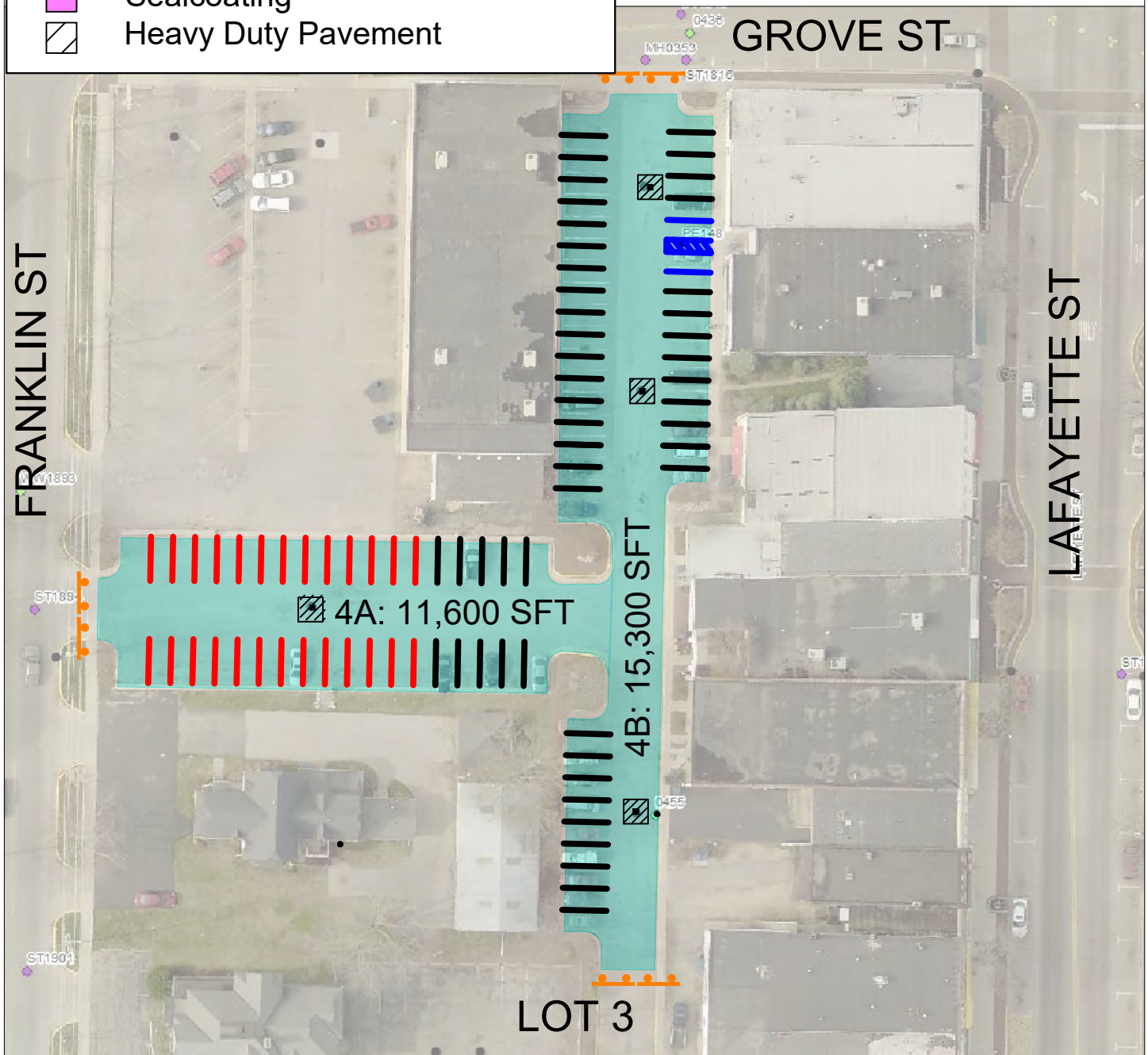


FIGURE 4 - LOT 4 (100 S. BLOCK WEST SIDE)



CITY OF GREENVILLE
ENGINEERING DEPARTMENT
 411 S. LAFAYETTE, GREENVILLE, MI 48838
 TELEPHONE (616) 754-5645

HORIZONTAL SCALE: NONE	DRAWN BY: DWH
VERTICAL SCALE: NONE	DATE: 12/05/2022
FILE: DDA Parking	REVISED:
JOB #: 401-703-975.220	SHEET 5 OF 11

GREENVILLE DOWNTOWN DEVELOPMENT AUTHORITY
PARKING LOT REHABILITATION

TABLE 4 - LOT 4 ITEM QUANTITIES				
LOT 4 ITEM OF WORK	UNIT	SECTION 4A QUANTITY	SECTION 4B QUANTITY	LOT 4 TOTAL
RESURFACE AREA	Sft	11,600	15,300	26,900
Cold Milling HMA Surface	Syd	1,289	1,700	2,989
Aggregate Base Conditioning	Syd	1,289	1,700	2,989
Dr Structure Cover, Adj, Case 1	Ea	1	5	6
HMA	Ton	213	282	496
Pavt Mrkg, Regular Dry, 4 inch, White	Ft	180	720	900
Pavt Mrkg, Regular Dry, 4 inch, Blue	Ft	0	105	105
Pavt Mrkg, Regular Dry, 4 inch, Red	Ft	468	0	468
Pavt Mrkg, Ovly Cold Plastic, Handicap Sym, Blue	Ea	0	2	2



KEY

- Ex CB (No Adjustment)
- Ex CB (Dr Structure, Adj, Case 1)
- Ex MH (No Adjustment)
- Ex MH (Dr Structure, Adj, Case 1)
- Cold Milling / Typical Pavement
- Sealcoating
- Heavy Duty Pavement

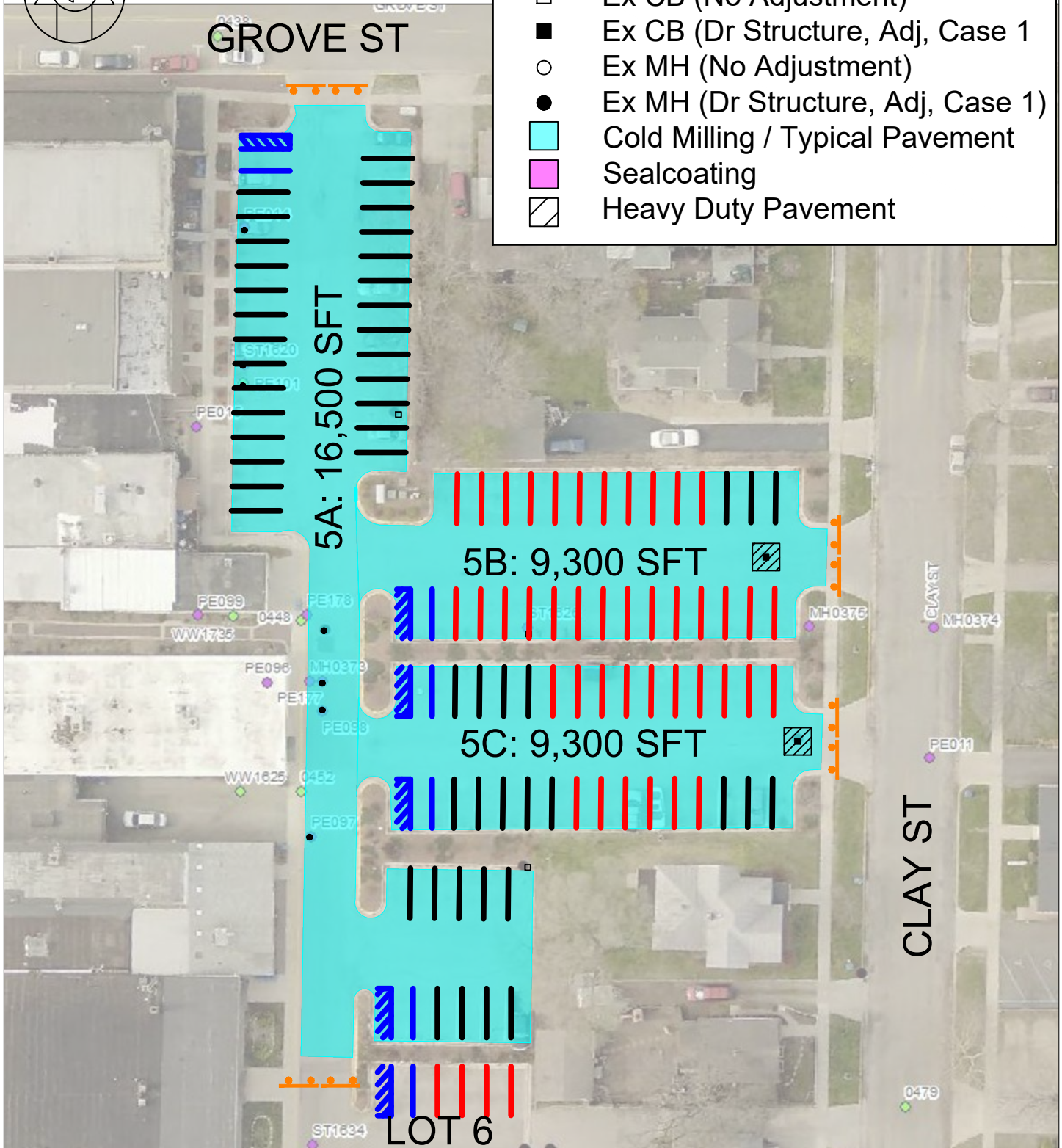


FIGURE 5 - LOT 5 (100 S. BLOCK EAST SIDE)



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GREENVILLE DOWNTOWN DEVELOPMENT AUTHORITY
PARKING LOT REHABILITATION

TABLE 5 - LOT 5 ITEM QUANTITIES					
LOT 5 ITEM OF WORK	UNIT	SECTION 5A QUANTITY	SECTION 5B QUANTITY	SECTION 5C QUANTITY	LOT 5 TOTAL
RESURFACE AREA	Sft	16,500	9,300	9,300	35,100
Cold Milling HMA Surface	Syd	1,833	1,033	1,033	3,900
Aggregate Base Conditioning	Syd	1,833	1,033	1,033	3,900
Dr Structure Cover, Adj, Case 1	Ea	7	1	1	9
HMA	Ton	303	171	171	645
Pavt Mrkg, Regular Dry, 4 inch, White	Ft	648	54	216	918
Pavt Mrkg, Regular Dry, 4 inch, Blue	Ft	137	69	137	343
Pavt Mrkg, Regular Dry, 4 inch, Red	Ft	0	450	288	738
Pavt Mrkg, Ovly Cold Plastic, Handicap Sym, Blue	Ea	2	1	2	5

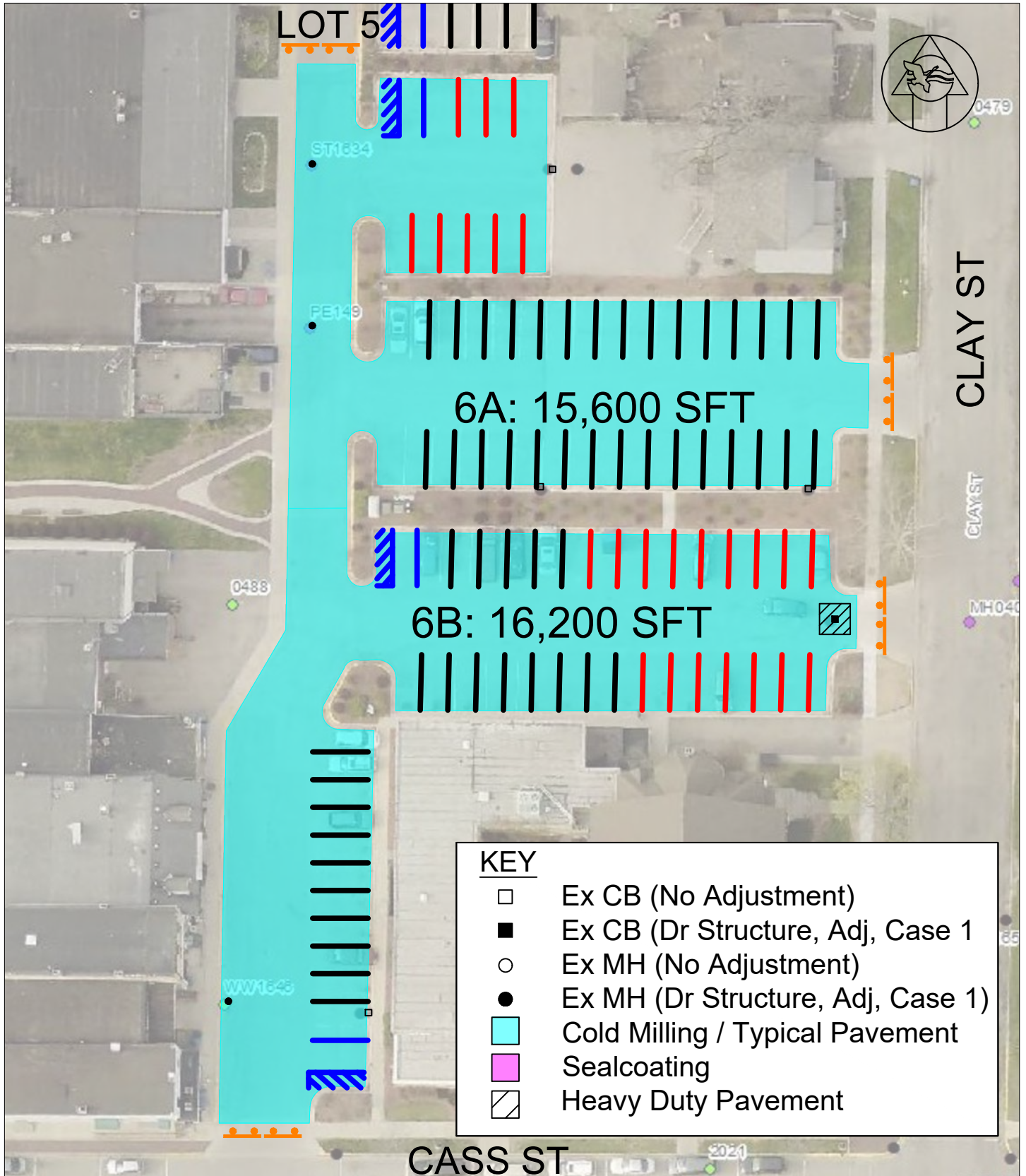


FIGURE 6 - LOT 6 (200 S. BLOCK EAST SIDE)

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TABLE 6 - LOT 6 ITEM QUANTITIES				
LOT 6 ITEM OF WORK	UNIT	SECTION 6A QUANTITY	SECTION 6B QUANTITY	LOT 6 TOTAL
<i>RESURFACE AREA</i>	<i>Sft</i>	<i>15,600</i>	<i>16,200</i>	<i>31,800</i>
Cold Milling HMA Surface	Syd	1,733	1,800	3,533
Aggregate Base Conditioning	Syd	1,733	1,800	3,533
Dr Structure Cover, Adj, Case 1	Ea	2	2	4
HMA	Ton	286	298	584
Pavt Mrkg, Regular Dry, 4 inch, White	Ft	540	414	954
Pavt Mrkg, Regular Dry, 4 inch, Blue	Ft	0	137	137
Pavt Mrkg, Regular Dry, 4 inch, Red	Ft	0	288	288
Pavt Mrkg, Ovly Cold Plastic, Handicap Sym, Blue	Ea	0	2	2

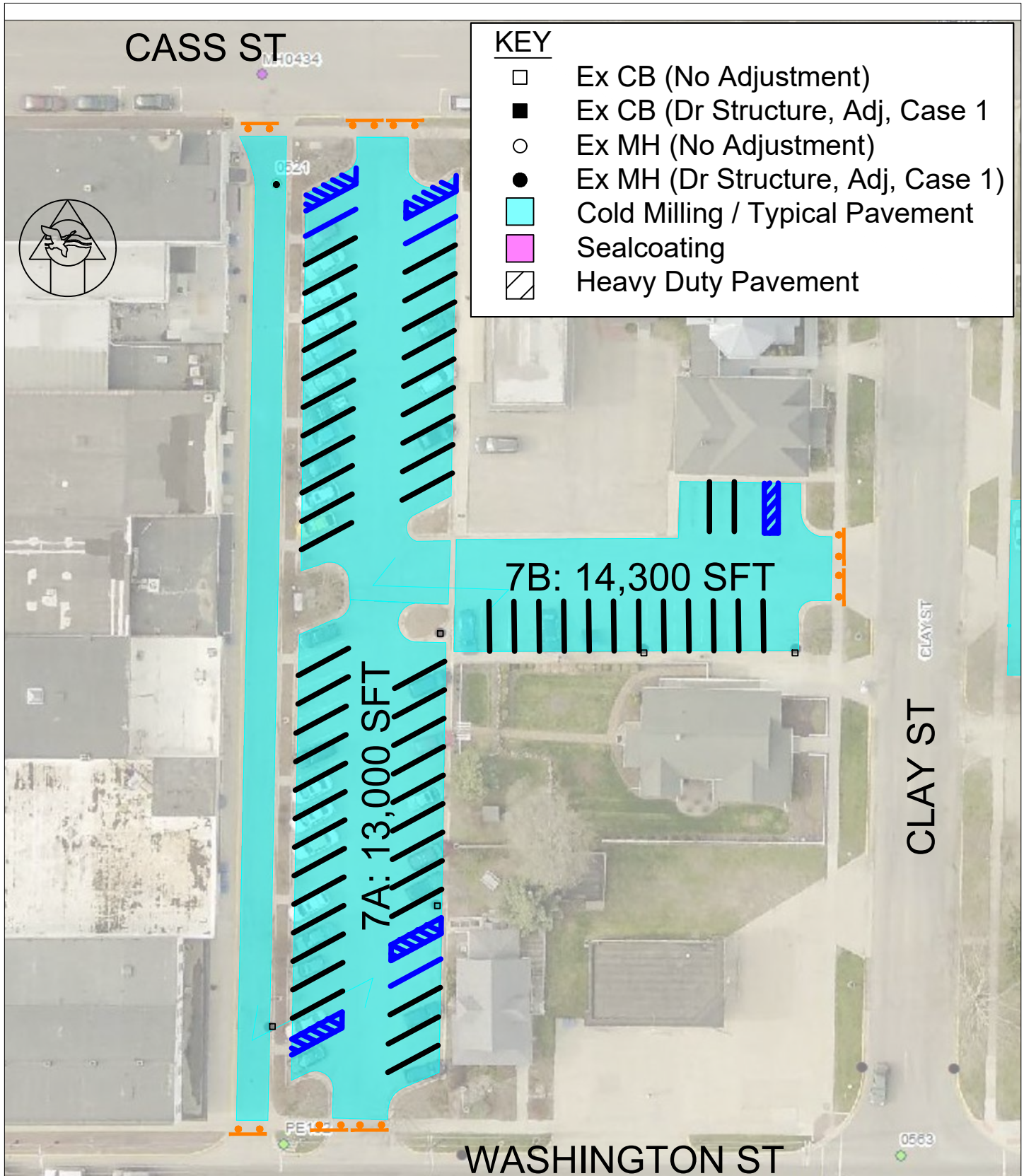


FIGURE 7 - LOT 7 (300 S. BLOCK EAST SIDE)

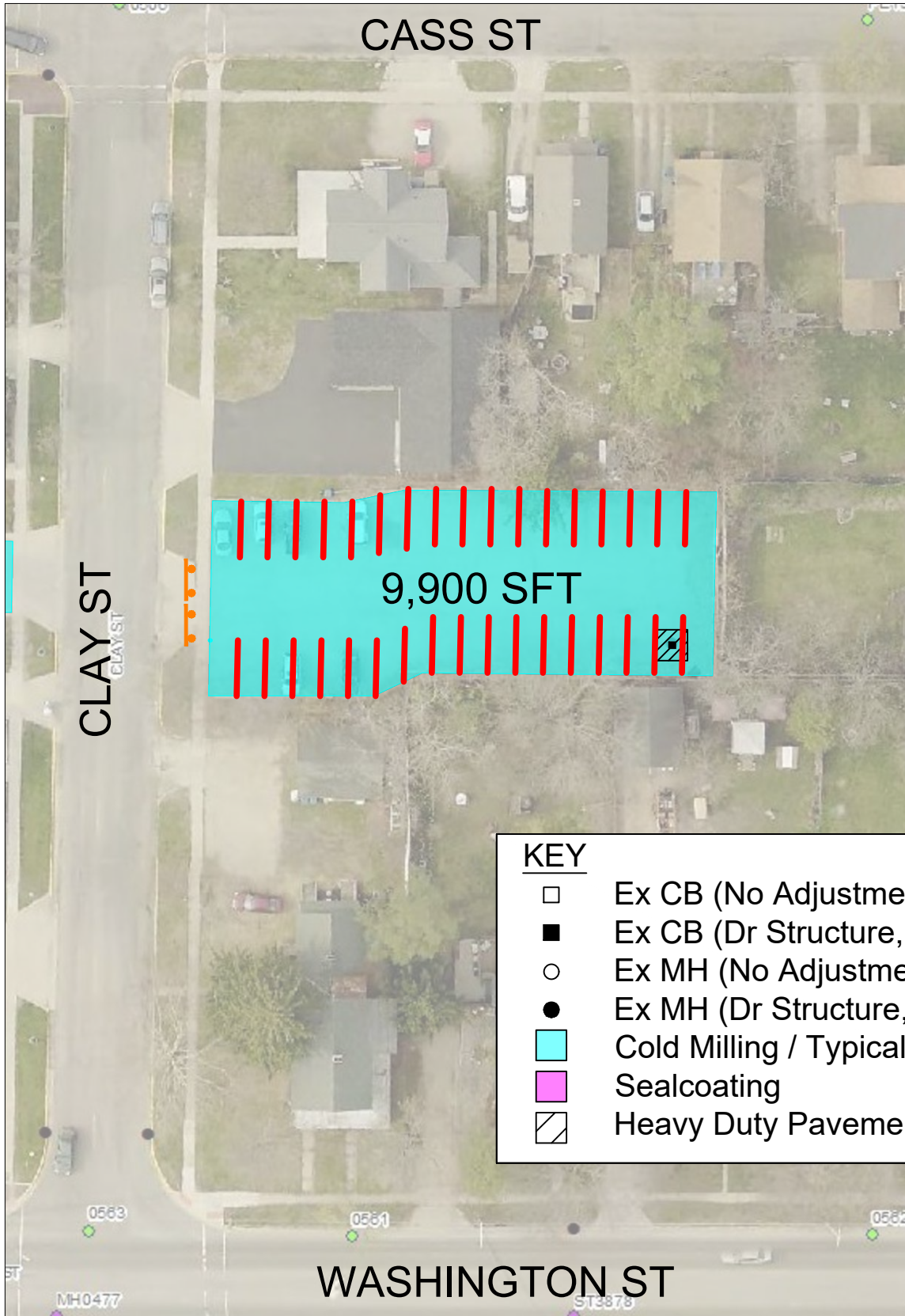


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GREENVILLE DOWNTOWN DEVELOPMENT AUTHORITY
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TABLE 7 - LOT 7 ITEM QUANTITIES				
LOT 7 ITEM OF WORK	UNIT	SECTION 7A QUANTITY	SECTION 7B QUANTITY	LOT 7 TOTAL
RESURFACE AREA	Sft	13,000	14,300	27,300
Cold Milling HMA Surface	Syd	1,444	1,589	3,033
Aggregate Base Conditioning	Syd	1,444	1,589	3,033
Dr Structure Cover, Adj, Case 1	Ea	1	0	1
HMA	Ton	238	262	501
Pavt Mrkg, Regular Dry, 4 inch, White	Ft	492	662	1,154
Pavt Mrkg, Regular Dry, 4 inch, Blue	Ft	158	216	373
Pavt Mrkg, Regular Dry, 4 inch, Red	Ft	0	0	0
Pavt Mrkg, Ovly Cold Plastic, Handicap Sym, Blue	Ea	2	3	5



KEY

- ☐ Ex CB (No Adjustment)
- ☒ Ex CB (Dr Structure, Adj, Case 1)
- ☐ Ex MH (No Adjustment)
- ☒ Ex MH (Dr Structure, Adj, Case 1)
- Cold Milling / Typical Pavement
- Sealcoating
- Heavy Duty Pavement

FIGURE 8 - LOT 8 (300 S. BLOCK EAST SIDE OF CLAY)



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GREENVILLE DOWNTOWN DEVELOPMENT AUTHORITY
PARKING LOT REHABILITATION

TABLE 8 - LOT 8 ITEM QUANTITIES		
LOT 8 ITEM OF WORK	UNIT	LOT 8 TOTAL QUANTITY
<i>RESURFACE AREA</i>	<i>Sft</i>	<i>9,900</i>
Cold Milling HMA Surface	Syd	1,100
Aggregate Base Conditioning	Syd	1,100
Dr Structure Cover, Adj, Case 1	Ea	1
HMA	Ton	182
Pavt Mrkg, Regular Dry, 4 inch, White	Ft	540
Pavt Mrkg, Regular Dry, 4 inch, Blue	Ft	0
Pavt Mrkg, Regular Dry, 4 inch, Red	Ft	612
Pavt Mrkg, Ovly Cold Plastic, Handicap Sym, Blue	Ea	0

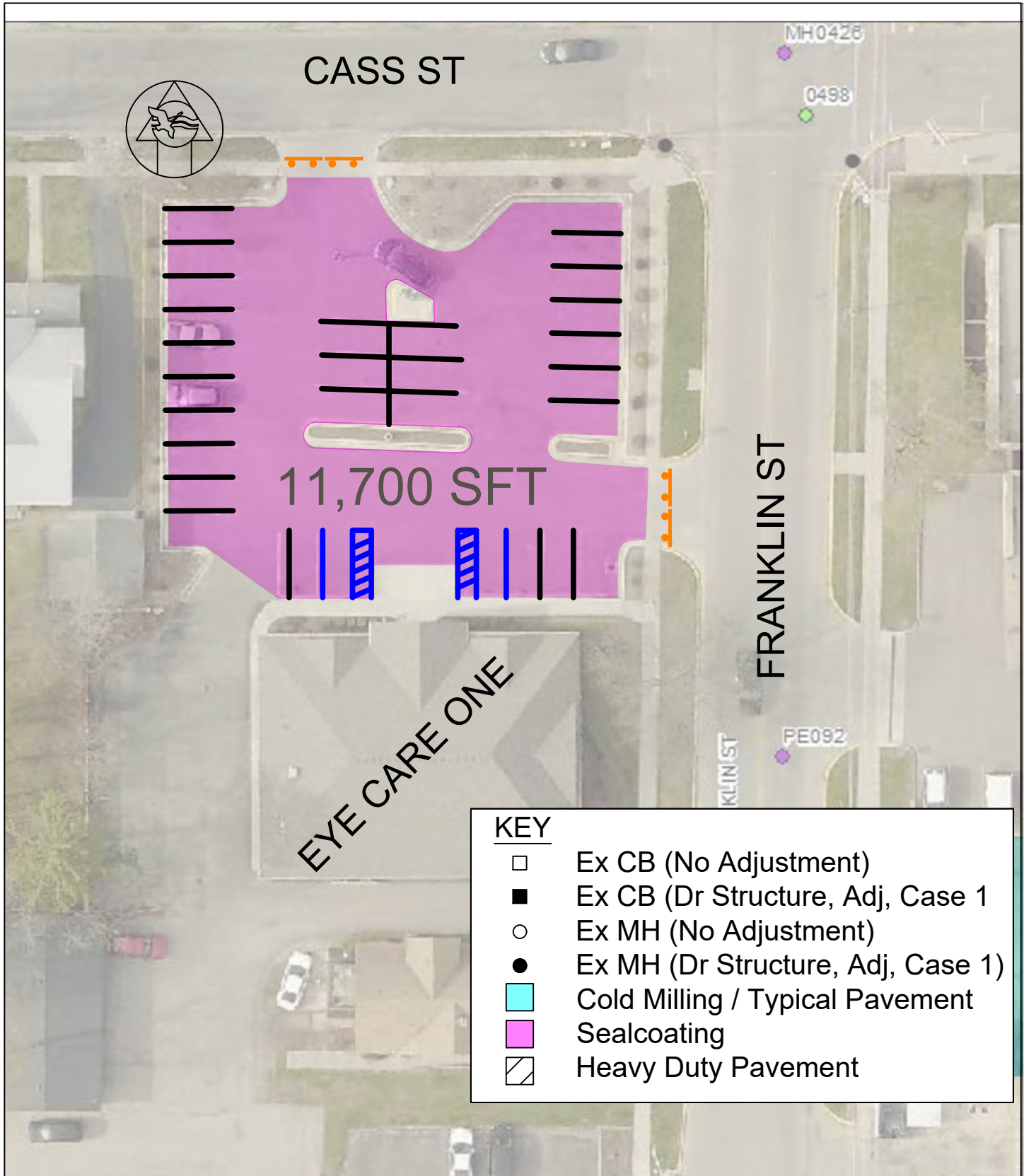
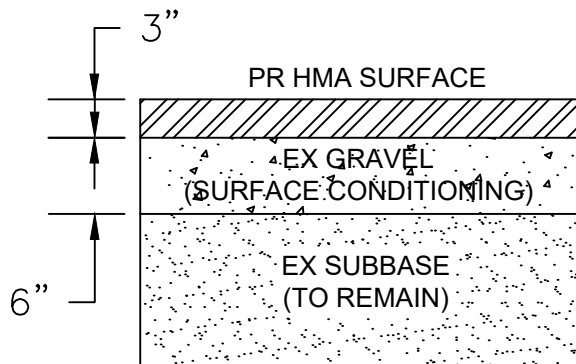


FIGURE 9 - LOT 9 (300 S. BLOCK WEST SIDE OF FRANKLIN)

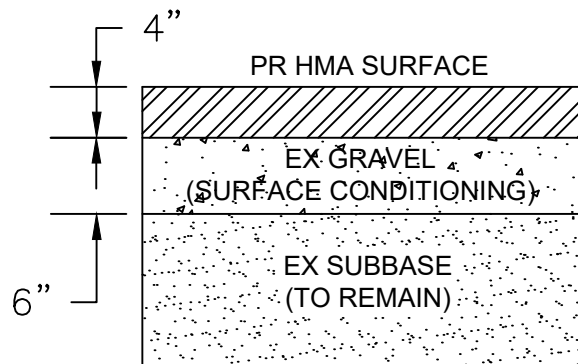
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GREENVILLE DOWNTOWN DEVELOPMENT AUTHORITY
PARKING LOT REHABILITATION

TABLE 9 - LOT 9 ITEM QUANTITIES		
LOT 9 ITEM OF WORK	UNIT	LOT 9 TOTAL QUANTITY
RESURFACE AREA	Sft	11,700
Seal, Slurry	Syd	1,300
Pavt Mrkg, Regular Dry, 4 inch, White	Ft	459
Pavt Mrkg, Regular Dry, 4 inch, Blue	Ft	163
Pavt Mrkg, Ovly Cold Plastic, Handicap Sym, Blue	Ea	2



MEDIUM DUTY
PAVEMENT
SECTION



HEAVY DUTY
PAVEMENT
SECTION

FIGURE 10 - PAVEMENT SECTION DETAIL



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