



# Van Buren Charter Township Sidewalk Replacement/Repair Project

Township Informational Meeting  
April 21, 2022



# Van Buren Charter Township Sidewalk Replacement/Repair Project

## AGENDA

- 1) Introduction
- 2) Presentation
- 3) Questions and Answers
- 4) Next Steps



# Purpose of the Meeting

- Township proceeding with the implementation of a sidewalk replacement/repair project in 2022 for the Van Buren Estates (Haggerty Subdivision) – Phases 1-4
- Communicate project details, schedule and estimated costs
- Next Steps



# Township Ordinance

Charter Township of Van Buren

Agenda Item: \_\_\_\_\_

REQUEST FOR  
BOARD ACTION

WORK STUDY: MARCH 15, 2022  
1<sup>ST</sup> READING DATE: MARCH 15, 2022  
2<sup>ND</sup> READING DATE: APRIL 5, 2022

The Township Board has indicated that they will most likely approve a maximum of **3-years** for a Property Owner repayment plan.

If the cost is not paid-in-full before the Winter Tax statement is issued, the cost will be added to the property tax bill over a 3-year period.



VAN BUREN  
CHARTER TOWNSHIP

# Wayne County General Permit

The Township is issued a General Permit that allows the Township to perform maintenance within the Wayne County Rights-of-Way.

<b>PERMIT OFFICE</b> 33809 MICHIGAN AVE WAYNE, MI 48184 PHONE (734) 595-6504 FAX (734) 595-6356		 <b>WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES</b> PERMIT TO CONSTRUCT, OPERATE, USE AND/OR MAINTAIN		<b>PERMIT NO.</b> <b>A-18045</b>
72 HOURS BEFORE ANY CONSTRUCTION, CALL Various Staff (734) 595-6504, Ext. 2009 FOR INSPECTION		<b>JAN 08 2018</b> <b>PERMIT OFFICE</b>		<b>ISSUE DATE</b> 1/1/2018
				<b>EXPIRES</b> 12/31/2018
				<b>REVIEW NO.</b> 79624
				<b>WORK ORDER</b> 79624

**PROJECT NAME:** VAN BUREN TWP. - MAINTENANCE  
**LOCATION:** VARIOUS ROADS ( )  
**PERMIT HOLDER:** CHARTER TOWNSHIP OF VAN BUREN  
46425 TYLER RD  
BELLEVILLE, MI 48111-5217  
**CONTACT:** JIM TAYLOR (734) 699-8900  
**CONTRACTOR:** <BLANK>  
**CONTACT:** <BLANK>

**DESCRIPTION OF PERMITTED ACTIVITY:** (72 HOURS BEFORE YOU DIG, CALL MISS DIG 1-800-482-7101, www.missdig.org)

TO OCCUPY THE RIGHT-OF-WAY OF COUNTY ROADS FOR THE BELOW ACTIVITIES:

1. SANITARY SEWER INSPECTION, REPAIR AND ROUTINE MAINTENANCE.
2. WATERMAIN INSPECTION, REPAIR AND ROUTINE MAINTENANCE.
3. DUST PALLIATIVE, CALCIUM & SALT APPLICATIONS.
4. SIDEWALK REPAIR AND REPLACEMENT.
5. TO PERFORM STREET SWEEPING OPERATIONS DURING DAYLIGHT HOURS ONLY.

REFER TO ATTACHMENTS REFERENCED BELOW FOR ANNUAL PERMIT REQUIREMENTS AND CONDITIONS.  
ALL ATTACHMENTS ARE INCORPORATED BY REFERENCE AS PART OF THIS PERMIT.

PAVEMENT REPAIRS REQUIRE A SEPARATE PERMIT AND ARE NOT TO BE COMPLETED UNDER THE TERMS OF THIS ANNUAL PERMIT.

PERMIT HOLDER AGREES TO SUBMIT MONTHLY REPORTS OF WORK PERFORMED UNDER THIS PERMIT. (734.595.6356)

ALL ACTUAL INSPECTION COSTS, INCLUDING OVERTIME, SUPERVISION, TESTING OF MATERIAL AND EMERGENCY WORK, IF REQUIRED, SHALL BE BILLED.

<b>FINANCIAL SUMMARY</b>		<b>DEPOSITION</b>	<b>APPROVED PLANS PREPARED BY</b>
PERMIT FEE	\$0.00		PLANS APPROVED BY
PLAN REVIEW FEE	\$0.00		DATE PLANS APPROVED
PARK FEE	\$0.00		1/1/2018
OTHER FEE	\$0.00		
BOND	\$0.00		
INSPECTION DEPOSIT	\$0.00		
OTHER BOND	\$0.00		
TOTAL COSTS	\$0.00		
TOTAL CHECK AMOUNT	\$0.00		
CASHIER	DATE		
	1/1/2018		

**LETTER OF CREDIT DEPOSITO**

**REQUIRED ATTACHMENTS:**  
GENERAL CONDITIONS  
SCOPE OF WORK AND CONDITIONS FOR MUNICIPAL MAINTENANCE PERMITS  
INDEMNITY AND INSURANCE ATTACHMENT  
SAMPLE COMMUNITY RESOLUTION  
RULES, SPECIFICATIONS AND PROCEDURES FOR PERMIT CONSTRUCTION - AVAILABLE ONLINE AT  
[www.waynecounty.com/kips\\_engineering\\_cpoffices.htm](http://www.waynecounty.com/kips_engineering_cpoffices.htm)

**PERMIT VALID ONLY IF ACCOMPANIED BY INSPECTION SIGNATURE**

In consideration of the Permit, Permittee and Contractor agree to abide and comply with all the terms and conditions herein. A Permit is hereby issued to the above named to Construct, Operate, Use and/or Maintain within the Road Right of Way, County Easements, and/or County Property. The permitted work described above shall be accomplished in accordance with the Approved Plans, Maps, Specifications and Statements filed with the Permit Office which are integral to and made part of this Permit. The General Conditions as well as any Required Attachments are incorporated as part of this Permit.

**WAYNE COUNTY DEPARTMENT OF PUBLIC SERVICES**

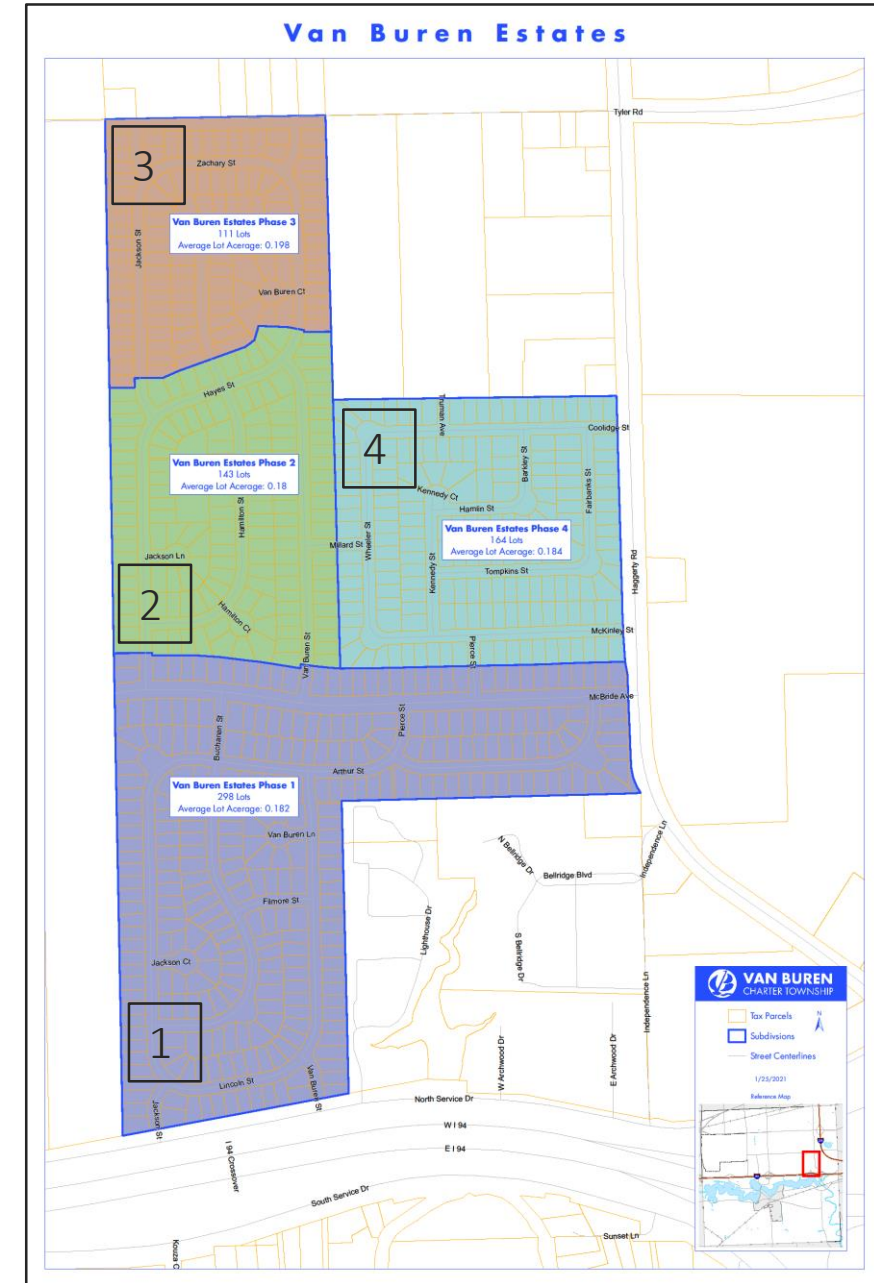
**PERMIT HOLDER / AUTHORIZED AGENT:** JIM TAYLOR  
**DATE:** 1-25-18  
**VALIDATED BY:** Ms. Janice Clarke  
**DATE:** 1-25-18



# Project Area Map

## Van Buren Estates Subdivision (Haggerty Sub) Phases 1-4

Phase 1	298	Lots (1970)	4' x 4'
Phase 2	143	Lots (1970)	4' x 4'
Phase 3	111	Lots (1971)	4' x 4'
Phase 4	164	Lots (1973)	5' x 5'
Total =		716	Lots
			716





**VAN BUREN**  
CHARTER TOWNSHIP

# Trip Hazard Identification Criteria



## Van Buren Township 2022 Sidewalk Replacement Marking Key

### Remove and Replace Criteria:

*The Township reserves the right to add additional criteria as deemed necessary to eliminate unforeseen problems.*

An inspector will mark the sections of sidewalk to be replaced/repared with spray paint. A green dot ● will be placed if it is the property owner's responsibility and a red dot ● if it is the Township's responsibility.

- 1 Sidewalk cross slope exceeds 2%
- 2 Sidewalks that exhibit differential sidewalk elevations of 3/4 inch or greater
  - 2.1 Differential
  - 2.2 Tree root heaving
  - 2.3 Settlement
  - 2.4 Back Pitch or Back slope
- 3 Cracked or broken sidewalk with any of the following:
  - 3.1 Sidewalks broken into 3 or more pieces in a single section
  - 3.2 Sidewalks where a crack is not tight and well seated
  - 3.3 Severe crazing (alligator cracking)
  - 3.4 Deteriorating joints (Gap at least 4 inches long by 3/4 inch wide at any point)
  - 3.5 Spalled areas (at least 3 inches along any one side)
  - 3.6 Chunks of loose concrete or slabs that move or wobble
- 4 Other Surface deterioration condition issues:
  - 4.1 Surface deterioration consisting of severe scaling, or popping causing a safety issue
  - 4.2 Spalling: If, in any flag of sidewalk, more than 50 % of the surface has scaled off to a depth of 1/2 inch or greater.
- 5 Utility structures
  - 5.1 Manholes
  - 5.2 Water Service stops
  - 5.3 Utility plugs, valves or other objects that protrude 1/2 inch or more above the walkway surface
- 6 More than one issue listed above.

It should be noted that sidewalks may exhibit more than one type of deficiency. It should also be noted that the program not only addresses correcting identifiable sidewalk hazards but includes defective sidewalks that may become hazardous in the near future.

March 31, 2022



### Differential Sidewalk Elevation

Differentials typically occur at the joint between two sidewalk slabs. A differential consists of a lip or elevation difference at the joint and is measured along the vertical face of the joint. A differential sidewalk that exceeds 3/4 inch is a condition that warrants removal and replacement. The differential may have been caused by tree roots, trench settlements, or heavy weights placed on the sidewalks.



### Sidewalk shows signs of ponding

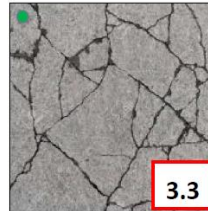
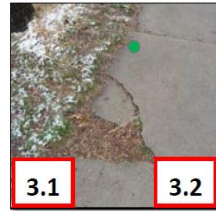
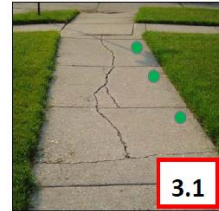


March 31, 2022



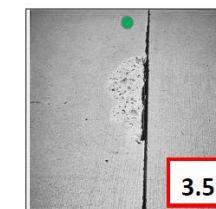
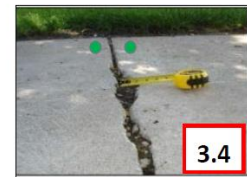
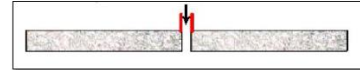
# Trip Hazard Identification Criteria

## Cracked or Broken Sidewalk



## Gapped Joint

Concrete Surface between flags joint is open at least 4 inches long by 3/4 inch wide at any point

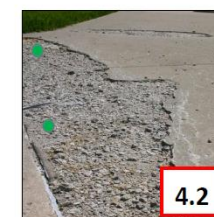
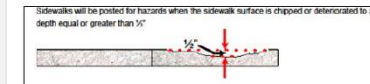


March 31, 2022

## Surface Deterioration

### Scaling and Spalling

Scaling is the general loss of surface mortar exposed to freezing and thawing. The aggregate is usually clearly exposed and often stands out from the concrete.



### Utility Structures



March 31, 2022



# Trip Hazard Identification Criteria



# Trip Hazard Identification Criteria

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- *The Township reserves the right to add additional criteria as deemed necessary to eliminate unforeseen problems.*
- *It should be noted that sidewalks may exhibit more than one type of deficiency. It should also be noted that the program not only addresses correcting identifiable sidewalk hazards but includes defective sidewalks that may become hazardous in the near future.*





**VAN BUREN**  
CHARTER TOWNSHIP

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Note: An inspector will mark the sections of sidewalk to be replaced/repaired with spray paint. A **green dot** will be placed if it is the property owner's responsibility and a **red dot** if it is the Township's responsibility.

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**VAN BUREN**  
CHARTER TOWNSHIP

## Sidewalk Replacement/Repair Program



# Trip Hazard Identification Criteria



## Purpose of Program

The purpose of the Sidewalk Replacement/Repair Program is to remove defects from the Township's sidewalk network such as trip hazards, deteriorated concrete, and trapped water/ice conditions.

## Replacement/Repairs by Property Owner

Whenever the Township determines that a sidewalk is unsafe for use, notice may be given to the owner of the lot or premises adjacent to and abutting upon such sidewalk of the Township's determination. Such notice shall be given in accordance with [Sidewalk Ordinance](#). Thereafter, it shall be the duty of the owner to Replace/Repair the sidewalk in a safe condition. Such notice shall specify a reasonable time, within which such work shall be completed with due diligence.

If you wish to replace the marked sidewalk slabs yourself (or hire a contractor), a permit is required, and you must call for an inspection (Permit to Pour).

## Repairs by Township

If the owner of such lot or premises is unable or elects not to make the necessary replacement/repair of the sidewalk within the time limited therefor, or in a manner otherwise than in accordance with the Sidewalk Ordinance, the Township shall have the sidewalk repaired.

In any event, the cost of repairs under Sidewalk Ordinance shall be charged against the property which adjoins the sidewalk and shall be paid by the property owner. If not paid, the cost of repairs shall be collected as provided in Sidewalk Ordinance.

## Project Schedule

Property Owners will be able to make replacement/repairs up to 90-days after receiving the Township's estimated construction cost estimate. The Township will make repairs to all remaining sidewalks identified to be replaced/ repaired after the 90-day period.

## Repairs not included

- Driveways.
- Sidewalk across driveways.
- Driveway approaches.

## Contact Us

Van Buren Township  
46425 Tyler Road  
Van Buren Township, MI 48111

Larry Lockett  
Director of Public Services  
734.699.8900, ext. 9216

[llockett@vanburen-mi.org](mailto:llockett@vanburen-mi.org)

<https://www.vanburen-mi.org/>

*We appreciate your patience and cooperation during the sidewalk repair project.*



# Current Project Schedule

<b>PROJECT SCHEDULE: 2022 Sidewalk Replacement/Repair Program</b>		<b>PROJECT NO.</b> 220534
<b>SUBJECT:</b> Design and Construction Schedule		<b>SCHEDULE DATE:</b> April 19, 2022
Project Item	Date	
Public Informational Meeting (Zoom Meeting)	April 27, 2021	
Ordinance Review - First Reading during Township Board Meeting	March 15, 2022	
Confirm Scope of Fishbeck Services		
Administrative Rules / Repair Criteria	March 24, 2022	
Haggerty Sub Sidewalk Informational Letter	March 29, 2022	
Authorize Fishbeck to Proceed	March 30, 2022	
Ordinance Review - Second Reading during Township Board Meeting	April 5, 2022	
Sidewalk Condition Assessment	<b>April 11, 2022 – May 6, 2022</b>	
Develop Area Plans and Specifications (Log Format/Engr's Estimate, GIS Inventory)	<b>April 18, 2022 – May 6, 2022</b>	
Haggerty Sub Sidewalk Informational Session (Zoom Meeting 6 – 8 PM)	April 21, 2022	
Township Approval of Program	May 10, 2022	
<b>Township Issues Property Owner Notice (1) – "Estimated Replacement Cost", Owner 90 Day Option</b>		<b>May 13, 2022</b>
Last Day of School	June 17, 2022	
Advertise (4 weeks)	May 20 – June 20, 2022	
<b>Property Owner Replacement/Repair Application Deadline (30 Days) - RSVP</b>		<b>June 13, 2022</b>
<b>Issue Addendum to reflect Final Township Sidewalk Replacement Inventory Totals</b>		<b>June 15, 2022</b>
Bid Opening	Tuesday, <b>June 21, 2022</b>	
Fishbeck Bid Analysis and Recommendation	June 22 – June 24, 2022	
Board Consideration for Award	July 5, 2022	
"Conditional" Notice of Award to Contractor, Insurance and Bonds Due	July 8 - July 18, 2022	
Notice To Proceed (NTP) – "Limited"	July 19, 2022	
Mobilization (Notices, SESC, MOT, etc.)	July 20 – August 1, 2022	
<b>Property Owner Deadline to complete work by Permit</b>		<b>August 11, 2022</b>
Construction Begins – Phase 1-4 (Rolling Multiphase Construction)	August 1 – October 14, 2022	
First Day of School	August 29, 2022	
Substantial Completion ( <b>87</b> calendar days from NTP to Substantial Completion)	July 19, 2022 – October 14, 2022	
Final Completion ( <b>101</b> calendar days from NTP to Final Completion)	July 19, 2022 – October 28, 2022	
Project Close-Out Period	October 31, 2022 – November 30, 2022	
<b>Township Issues Property Owner Notice (2) – "Final Replacement Cost"</b>		<b>December 9, 2022</b>
<b>Property Owner Payment Period for "Final Replacement Cost" (90 Days from date of Notice (2))</b>		<b>Dec. 10, 2022 – March 10, 2023</b>



# Current Project Schedule

**PROJECT SCHEDULE:** 2022 Sidewalk Replacement/Repair Program

**PROJECT NO.** 220534

**SUBJECT:** Design and Construction Schedule

**SCHEDULE DATE:** April 19, 2022

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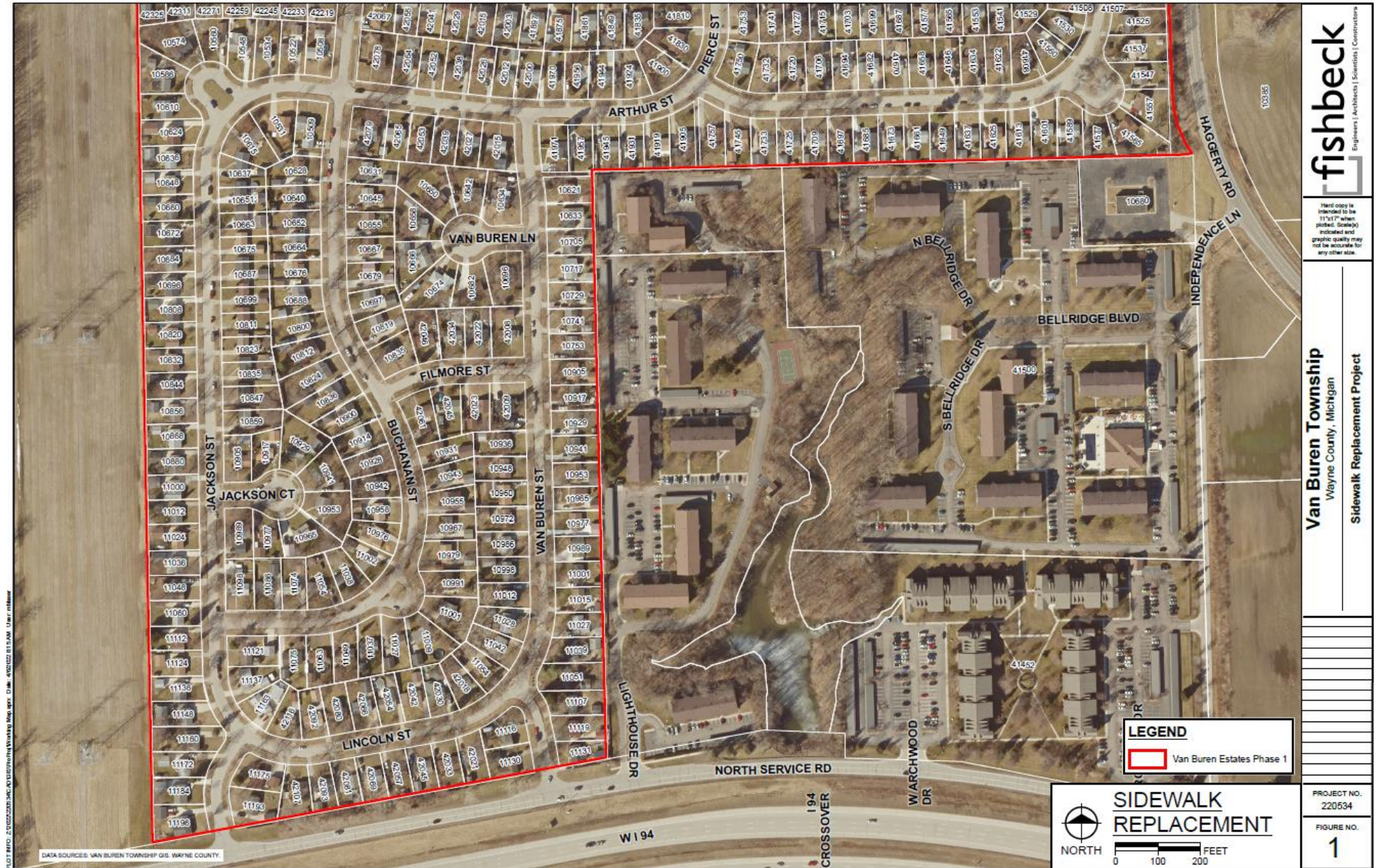


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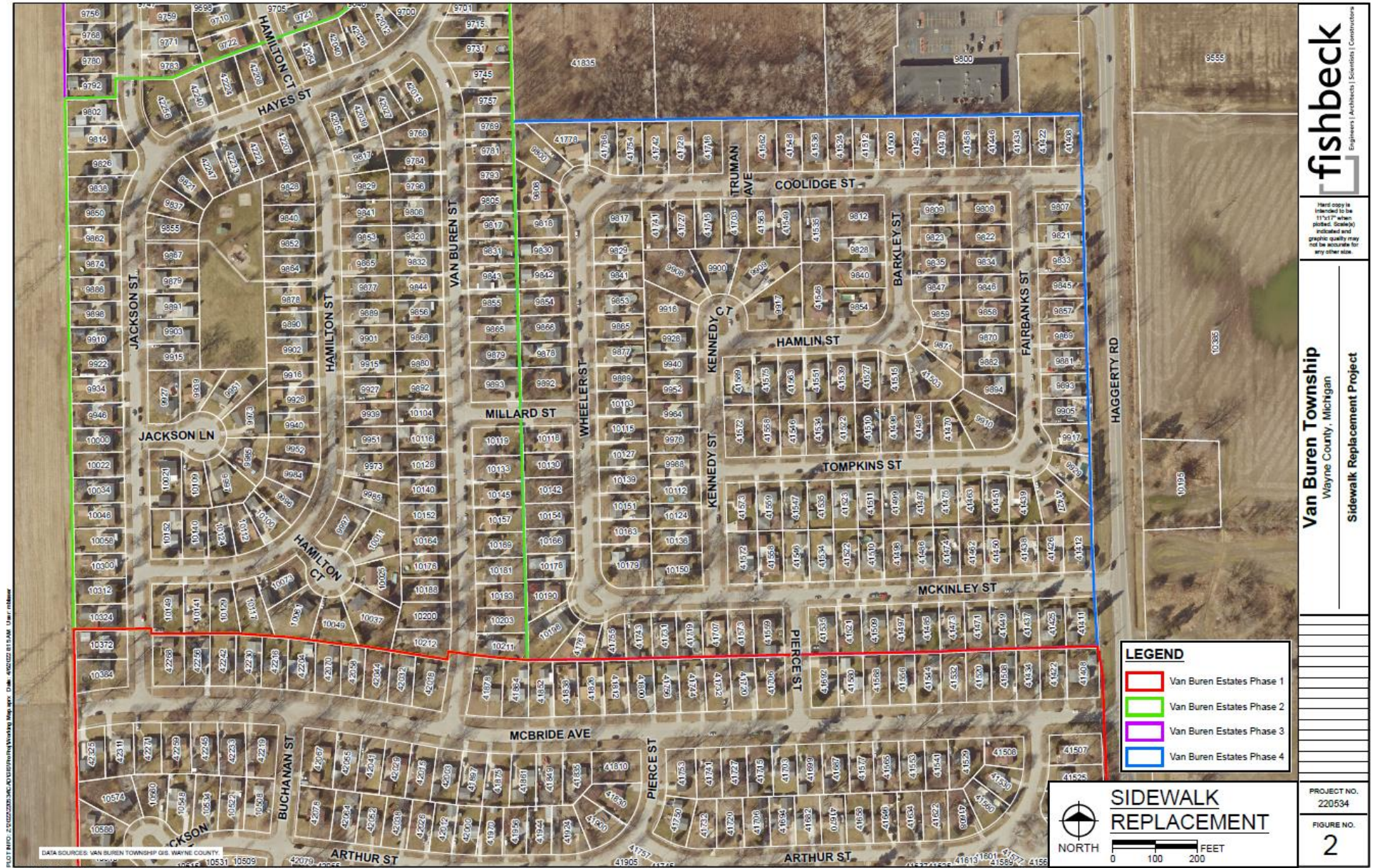


# Field Condition Assessment –Base Map



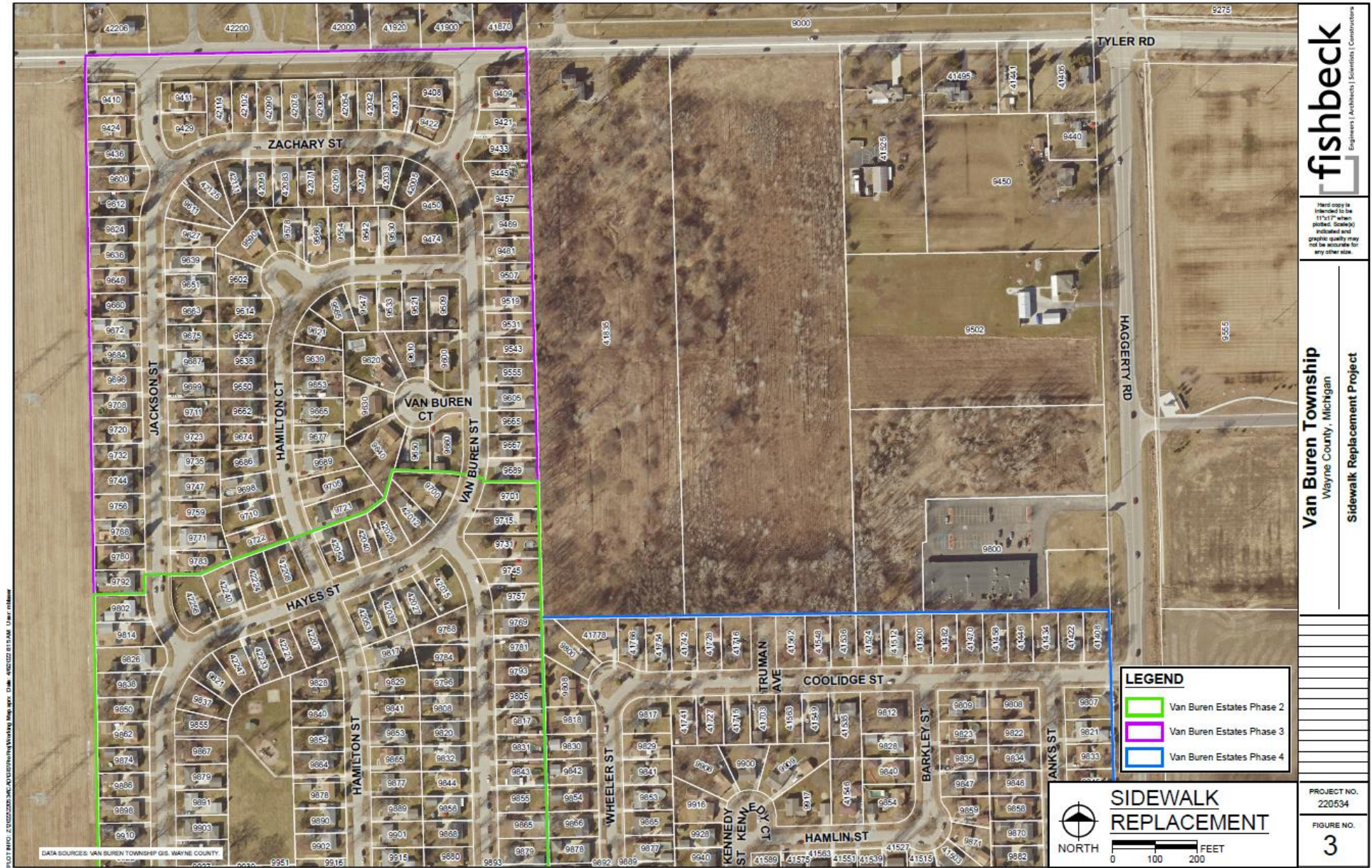


# Field Condition Assessment –Base Map





# Field Condition Assessment –Base Map







**VAN BUREN**  
CHARTER TOWNSHIP

- Field Mark-ups
- GPS Coordinates
- Photo Records

# Field Condition Assessment - Data

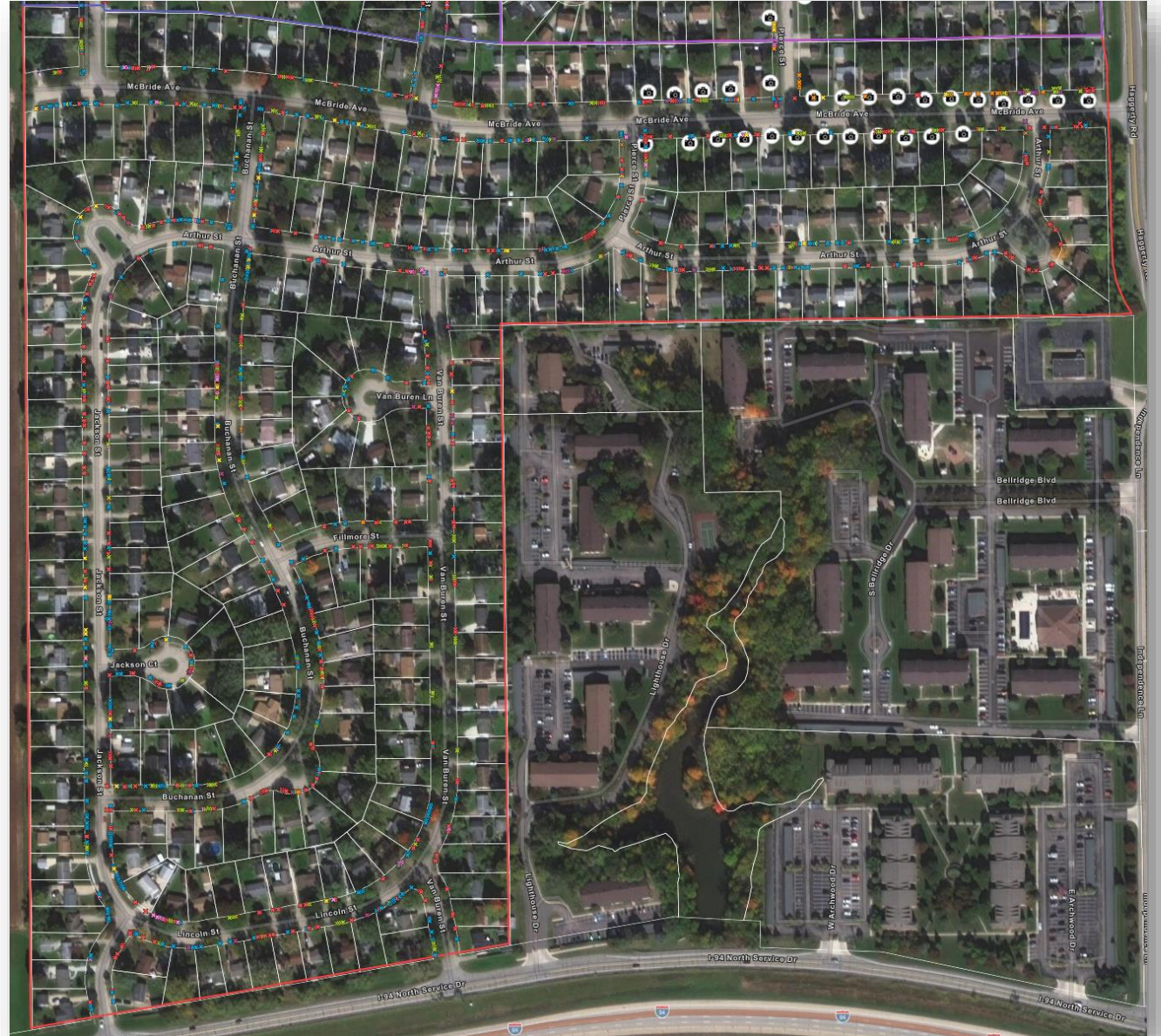






# Field Condition Assessment - GPS

- Phase 1  
Haggerty Subdivision
- 298 Lots (1970)
- Sidewalk generally 4 feet wide.
- Field Assessment Completed

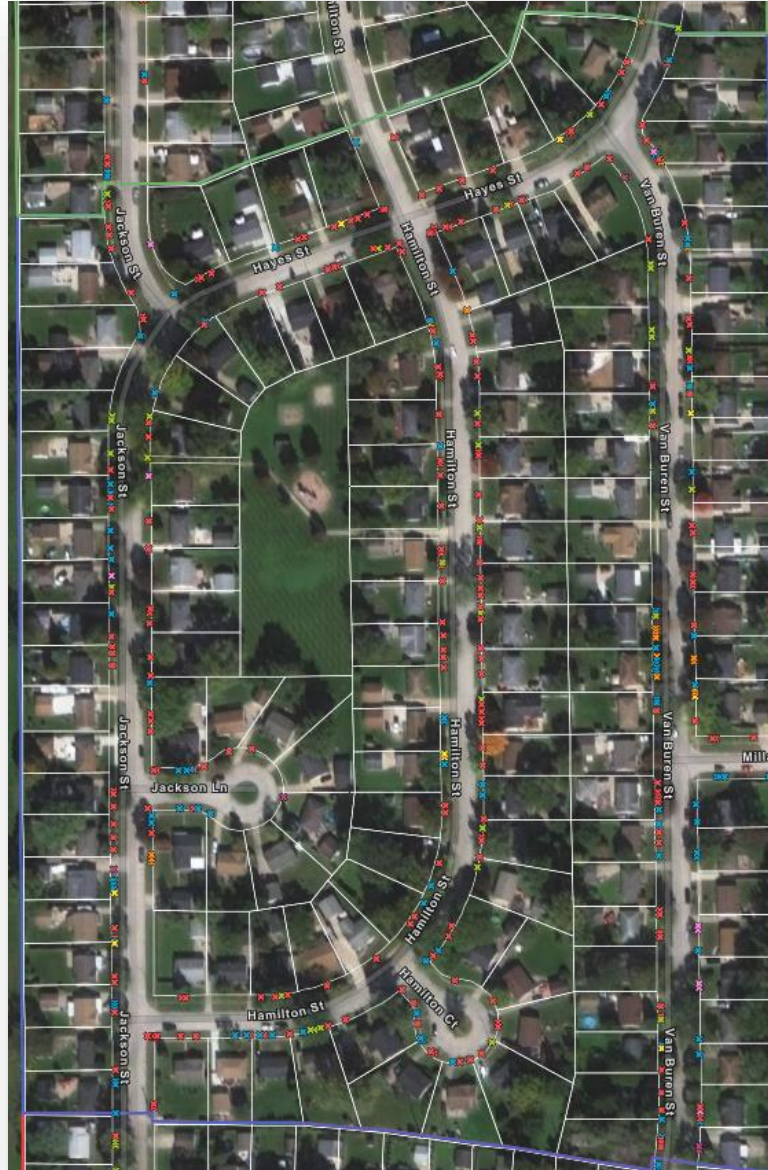






# Field Condition Assessment - GPS

- Phase 2  
Haggerty Subdivision
- 143 Lots (1970)
- Sidewalk generally 4 feet wide
- Field Assessment Completed





# Field Condition Assessment - GPS

- Phase 3  
Haggerty Subdivision
- 111 Lots (1971)
- Sidewalk generally 4 feet wide
- Field Assessment Completed

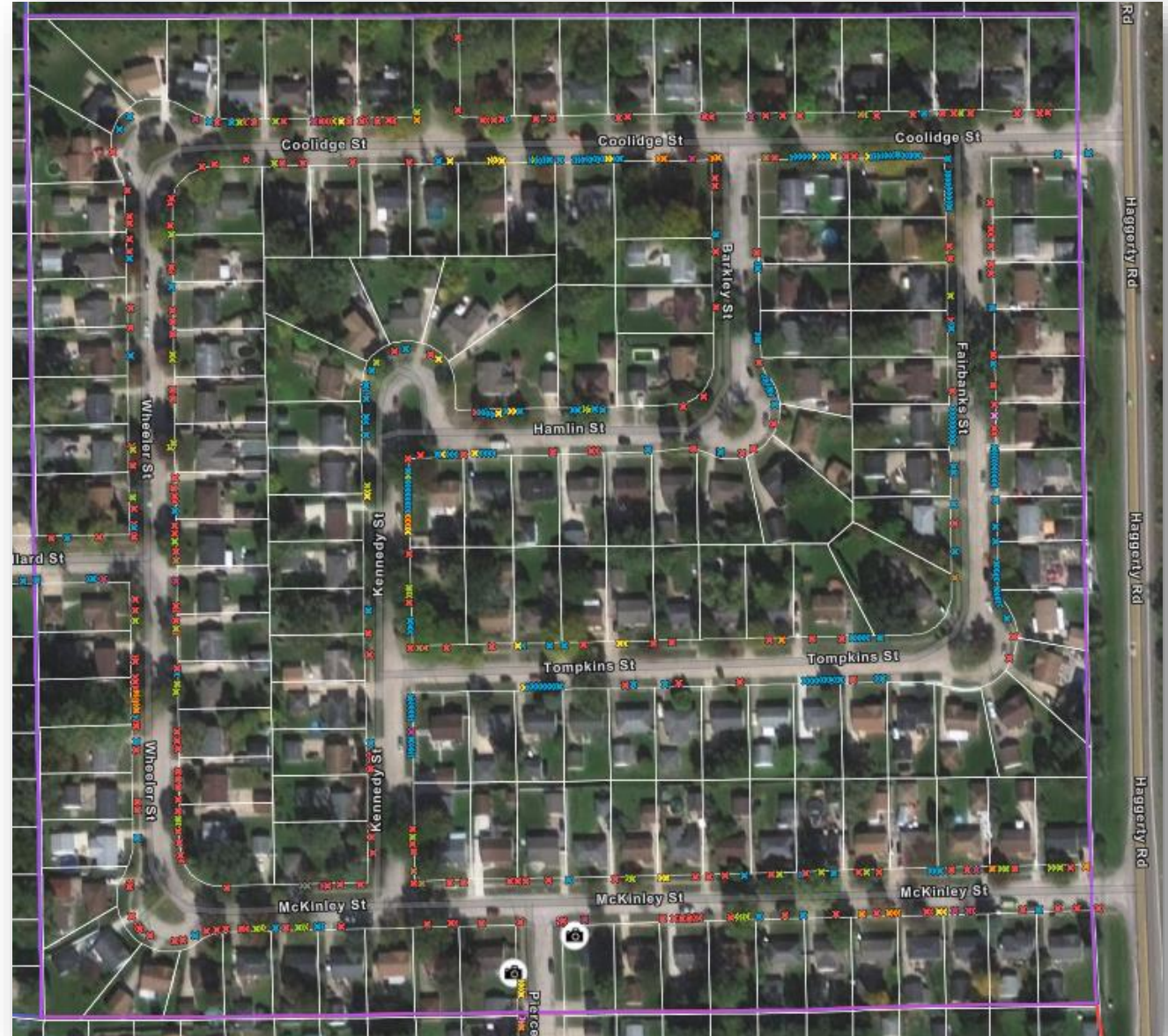






# Field Condition Assessment - GPS

- Phase 4  
Haggerty Subdivision
- 164 Lots (1973)
- Sidewalk generally 5 feet wide
- Field Assessment Completed





# Field Condition Assessment - GPS



**VAN BUREN**  
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Zoom to	Pen
Collected By	
Parcel Number	
Address	
Size	4x5
Responsibility	Property Owner
Structural Adjustment?	No
Root Removal?	No
Cracks?	
Remove and Replace Marking Key	2.2 - Tree Root Heaving
Comments	
created_user	Survey/Crew2
created_date	4/14/2022, 9:48 AM
last_edited_user	mmalich
last_edited_date	4/18/2022, 7:54 AM
Position source type	External GNSS Receiver
Receiver Name	Eas Positioning Systems #190903819
Latitude	42.223641
Longitude	-83.451623
Altitude	169.666000
Horizontal Accuracy (m)	0.065863
Vertical Accuracy (m)	0.113000
Fix Time	4/14/2022, 9:49 AM
Fix Type	RTK Fixed
PDOP	1.000000
HDOP	0.600000
VDOP	0.900000


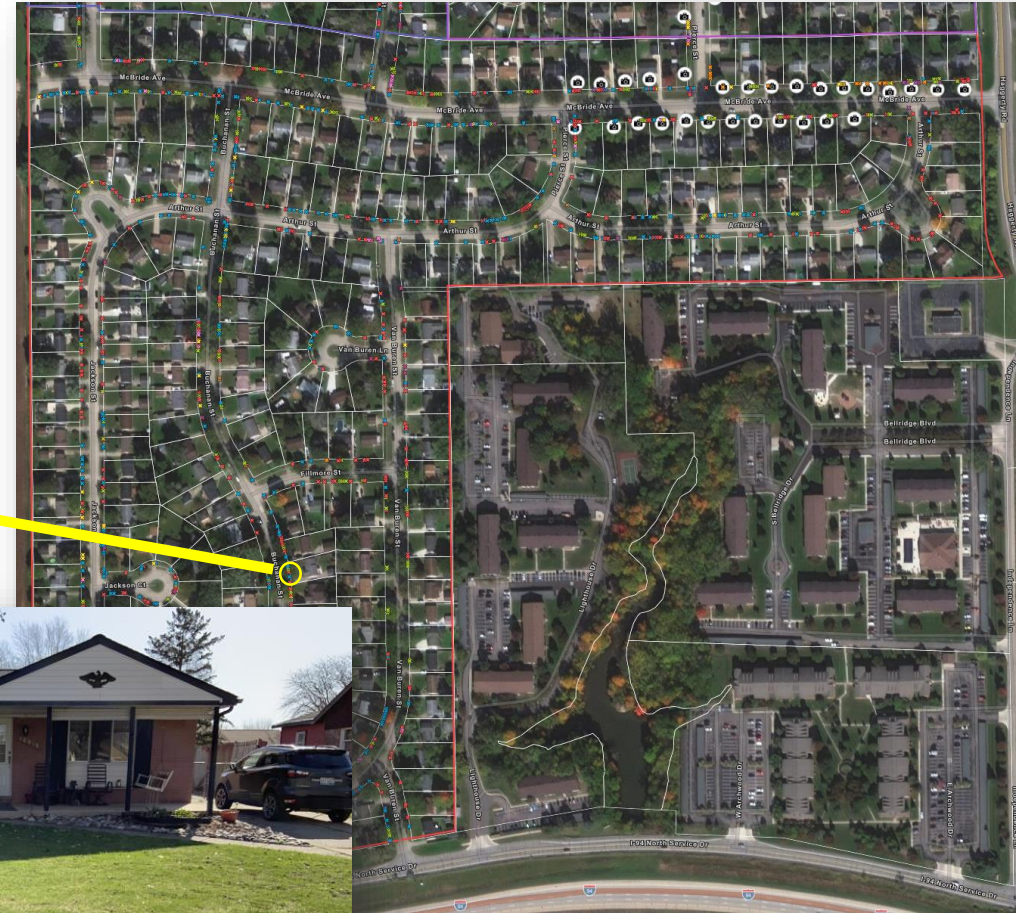
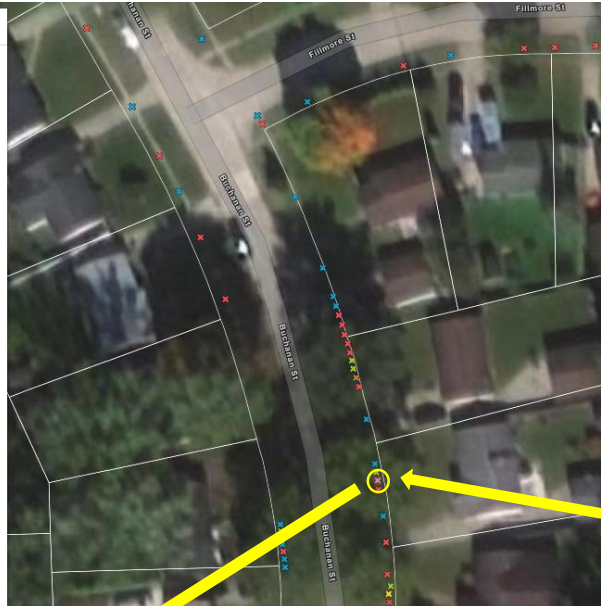


Photo 1.jpg

GIS Attribute Table







# Field Condition Assessment - GPS

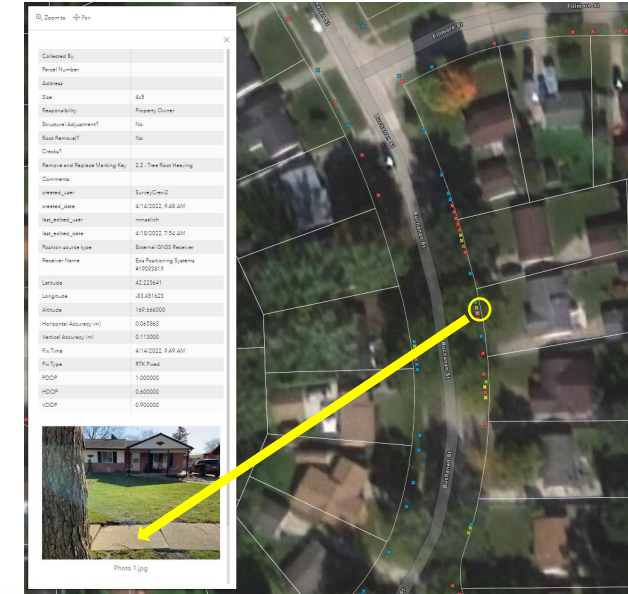
6	Phase	Address	Parcel Number	Size	Responsibility	Remove and Replace Marking Key	SqFt	Estimated Cost	Collection Date			
7	Phase 1			4x5	Property Owner	2.1 - Differential	20	\$200	2022-04-11 11:40			\$1,580
8	Phase 1			4x5	Property Owner	2.1 - Differential	20	\$200	2022-04-11 11:41			\$1,760
9	Phase 1			4x5	Property Owner	2.1 - Differential	20	\$200	2022-04-11 11:44			\$1,400
10	Phase 1			4x5	Property Owner	2.1 - Differential	20	\$200	2022-04-11 11:45			\$1,160
11	Phase 1			4x5	Property Owner	2.2 - Tree Root Heaving	20	\$200	2022-04-11 11:47			\$800
12	Phase 1			4x4	Property Owner	2.2 - Tree Root Heaving	16	\$160	2022-04-11 11:47			\$800
13	Phase 1			4x5	Property Owner	2.2 - Tree Root Heaving	20	\$200	2022-04-11 11:48			\$360
14	Phase 1			4x5	Property Owner	2.2 - Tree Root Heaving	20	\$200	2022-04-11 11:54			\$200
15	Phase 1			Other	Property Owner	3.2 - Sidewalks where a crack is not tight and well seated	12	\$120	2022-04-11 11:58			\$1,000
16	Phase 1			Other	Property Owner	2.1 - Differential	18	\$180	2022-04-11 12:07			\$1,560
17	Phase 1			4x5	Property Owner	2.1 - Differential	20	\$200	2022-04-11 12:08			\$300
18	Phase 1			4x5	Property Owner	2.1 - Differential	20	\$200	2022-04-11 12:09			\$800
19	Phase 1			4x5	Property Owner	2.2 - Tree Root Heaving	20	\$200	2022-04-11 12:11			\$1,860
20	Phase 1			4x4	Property Owner	2.4 - Back Pitch or Back Slope (Areas of ponding water 1/4" deep or more)	16	\$160	2022-04-11 12:12			\$1,120
21	Phase 1			4x5	Property Owner	2.4 - Back Pitch or Back Slope (Areas of ponding water 1/4" deep or more)	20	\$200	2022-04-11 12:13			\$960
22	Phase 1			4x5	Property Owner	2.2 - Tree Root Heaving	20	\$200	2022-04-11 12:14			\$1,360
23	Phase 1			4x5	Property Owner	2.2 - Tree Root Heaving	20	\$200	2022-04-11 12:14			\$1,200
24	Phase 1			Other	Property Owner	3.3 - Severe Crazing	12	\$120	2022-04-11 12:15			\$3,090
25	Phase 1			4x4	Property Owner	2.1 - Differential	16	\$160	2022-04-11 12:16			\$240
26	Phase 1			4x4	Property Owner	2.4 - Back Pitch or Back Slope (Areas of ponding water 1/4" deep or more)	16	\$160	2022-04-11 12:17			\$1,080
27	Phase 1			4x4	Property Owner	2.4 - Back Pitch or Back Slope (Areas of ponding water 1/4" deep or more)	16	\$160	2022-04-11 12:18			\$640
28	Phase 1			4x4	Property Owner	2.2 - Tree Root Heaving	16	\$160	2022-04-11 12:18			\$160
29	Phase 1			4x5	Property Owner	2.2 - Tree Root Heaving	20	\$200	2022-04-11 12:19			\$800
30	Phase 1			4x4	Property Owner	3.3 - Severe Crazing	16	\$160	2022-04-11 12:27			\$160
31	Phase 1			4x4	Property Owner	2.4 - Back Pitch or Back Slope (Areas of ponding water 1/4" deep or more)	16	\$160	2022-04-11 12:28			\$1,360
32	Phase 1			Other	Property Owner	2.4 - Back Pitch or Back Slope (Areas of ponding water 1/4" deep or more)	12	\$120	2022-04-11 12:28			\$840
33	Phase 1			Other	Property Owner	2.4 - Back Pitch or Back Slope (Areas of ponding water 1/4" deep or more)	12	\$120	2022-04-11 12:29			\$960
34	Phase 1			4x4	Property Owner	3.3 - Severe Crazing	16	\$160	2022-04-11 12:30			\$400
35	Phase 1			4x4	Property Owner	3.1 - Sidewalks broken into 3+ pieces	16	\$160	2022-04-11 12:31			\$2,540
36	Phase 1			4x4	Property Owner	2.2 - Tree Root Heaving	16	\$160	2022-04-11 12:31			\$600
37	Phase 1			4x4	Property Owner	2.2 - Tree Root Heaving	16	\$160	2022-04-11 12:33			\$600
38	Phase 1			4x4	Property Owner	3.3 - Severe Crazing	16	\$160	2022-04-11 12:33			\$2,700
39	Phase 1			4x4	Property Owner	3.3 - Severe Crazing	16	\$160	2022-04-11 12:34			\$800
40	Phase 1			4x5	Property Owner	3.3 - Severe Crazing	20	\$200	2022-04-11 12:34			\$800
41	Phase 1			4x5	Property Owner	3.3 - Severe Crazing	20	\$200	2022-04-11 12:35			\$960
42	Phase 1			4x5	Property Owner	3.3 - Severe Crazing	20	\$200	2022-04-11 12:36			\$640
43	Phase 1			4x5	Property Owner	3.3 - Severe Crazing	20	\$200	2022-04-11 12:37			\$1,240
44	Phase 1			4x5	Property Owner	3.3 - Severe Crazing	20	\$200	2022-04-11 12:37			\$640
45	Phase 1			4x5	Property Owner	3.1 - Sidewalks broken into 3+ pieces	20	\$200	2022-04-11 12:38			\$960
46	Phase 1			4x5	Property Owner	3.3 - Severe Crazing	20	\$200	2022-04-11 12:39			\$320
47	Phase 1			4x5	Property Owner	2.2 - Tree Root Heaving	20	\$200	2022-04-11 12:40			\$320
48	Phase 1			4x5	Property Owner	3.1 - Sidewalks broken into 3+ pieces	20	\$200	2022-04-11 12:40			\$320
49	Phase 1			4x5	Property Owner	2.1 - Differential	20	\$200	2022-04-11 12:41			\$480
50	Phase 1			4x4	Property Owner	2.1 - Differential	16	\$160	2022-04-11 12:42			\$320
51	Phase 1			4x5	Property Owner	3.3 - Severe Crazing	20	\$200	2022-04-11 12:43			\$160
52	Phase 1			4x5	Property Owner	2.2 - Tree Root Heaving	20	\$200	2022-04-11 12:44			\$840
53	Phase 1			4x5	Property Owner	2.2 - Tree Root Heaving	20	\$200	2022-04-11 12:45			\$640
54	Phase 1			4x5	Property Owner	2.2 - Tree Root Heaving	20	\$200	2022-04-11 12:46			\$480
55	Phase 1			4x5	Property Owner	2.2 - Tree Root Heaving	20	\$200	2022-04-11 12:46			\$320
56	Phase 1			4x5	Property Owner	2.2 - Tree Root Heaving	20	\$200	2022-04-11 12:47			\$680
57	Phase 1			4x5	Property Owner	3.1 - Sidewalks broken into 3+ pieces	20	\$200	2022-04-11 12:49			\$1,120
58	Phase 1			4x5	Property Owner	3.3 - Severe Crazing	20	\$200	2022-04-11 12:49			\$320
59	Phase 1			4x4	Township	2.1 - Differential	16	\$160	2022-04-11 12:59			\$960
60	Phase 1			4x5	Property Owner	3.3 - Severe Crazing	20	\$200	2022-04-11 13:00			\$160
61	Phase 1			4x5	Property Owner	3.3 - Severe Crazing	20	\$200	2022-04-11 13:00			\$640
62	Phase 1			4x5	Property Owner	3.3 - Severe Crazing	20	\$200	2022-04-11 13:01			\$1,000
63	Phase 1			4x5	Property Owner	3.3 - Severe Crazing	20	\$200	2022-04-11 13:01			\$960
64	Phase 1			4x5	Property Owner	3.3 - Severe Crazing	20	\$200	2022-04-11 13:02			\$800
65	Phase 4			Other	Property Owner	2.1 - Differential	5	\$50	2022-04-11 13:03			\$480



# Field Condition Assessment - GPS



Estimate based on \$10 per Square Foot of cost to remove and replace 4-inch-thick Sidewalk. Actual Cost will be based upon final quantities and bid prices received for the Twp. Project.



6	Phase	Address	Parcel Number	Size	Responsibility	Remove and Replace Marking Key	SqFt	Estimated Cost	Collection Date
955	Phase 1			4x4	Property Owner	2.1 - Differential	16	\$160	2022-04-14 13:45
956	Phase 1			4x5	Property Owner	3.2 - Sidewalks where a crack is not tight and well seated	20	\$200	2022-04-14 13:46
957	Phase 1			4x4	Property Owner	2.1 - Differential	16	\$160	2022-04-14 13:47
958	Phase 1			4x5	Property Owner	2.2 - Tree Root Heaving	20	\$200	2022-04-14 13:48
959	Phase 1			4x5	Property Owner	2.2 - Tree Root Heaving	20	\$200	2022-04-14 13:48
960	Phase 1			4x5	Property Owner	3.2 - Sidewalks where a crack is not tight and well seated	20	\$200	2022-04-14 13:48
1846									
1847									
1848									
							112	\$1,120	







# Current Project Schedule

Township Approval of Program	May 10, 2022	
<b>Township Issues Property Owner Notice (1) – “Estimated Replacement Cost”, Owner 90 Day Option</b>		
Last Day of School	June 17, 2022	
Advertise (4 weeks)	May 20 – June 20, 2022	
<b>Property Owner Replacement/Repair Application Deadline (30 Days) – RSVP</b>		May 13, 2022
<b>Issue Addendum to reflect Final Township Sidewalk Replacement Inventory Totals</b>	June 15, 2022	June 13, 2022
Bid Opening	Tuesday, June 21, 2022	
Fishbeck Bid Analysis and Recommendation	June 22 – June 24, 2022	
Board Consideration for Award	July 5, 2022	
“Conditional” Notice of Award to Contractor, Insurance and Bonds Due	July 8 - July 18, 2022	
Notice To Proceed (NTP) – “Limited”	July 19, 2022	
Mobilization (Notices, SESC, MOT, etc.)	July 20 – August 1, 2022	
<b>Property Owner Deadline to complete work by Permit</b>		August 11, 2022
Construction Begins – Phase 1- 4 (Rolling Multiphase Construction)	August 1 – October 14, 2022	
First Day of School	August 29, 2022	
Substantial Completion (87 calendar days from NTP to Substantial Completion)	July 19, 2022 - October 14, 2022	
Final Completion (101 calendar days from NTP to Final Completion)	July 19, 2022 - October 28, 2022	
Project Close-Out Period	October 31, 2022 – November 30, 2022	
<b>Township Issues Property Owner Notice (2) – “Final Replacement Cost”</b>		December 9, 2022
<b>Property Owner Payment Period for “Final Replacement Cost” (90 Days from date of Notice (2))</b>		Dec. 10, 2022 – March 10, 2023



# Property Owner Repair Option

- 1) Township issues Notice of Construction Cost **Estimate** May 13, 2022
- 2) Property owner must **RSVP** within 30 Days of Notice June 13, 2022
- 3) Property owner applies for “No Fee” Permit with Building Dept.
- 4) Property owner must call for “**Permit to Pour**” inspection
- 5) Property owner must call for final inspection/approval
- 6) **All repairs must meet Township approval, or rework will be required.**
- 7) Sidewalk repairs must be completed within 90 Days August 11, 2022
- 8) If no RSVP received, marked sidewalk stays on Twp.  
Replacement Inventory.



# Acceptable Repair Criteria

- 1) Approved Repair Method
  - a. “Remove and Replace” 4-inch-thick sidewalk flag(s)
  - b. “Mud Jacking” existing sidewalk flag(s)

# Acceptable Repair Criteria



- 1) “Remove and Replace” 4-inch-thick sidewalk flag(s)
  - a) Property owner applies for a sidewalk replacement permit (**Pilot Project = No application fee**)
  - b) Property owner removes existing sidewalk and places sidewalk forms in accordance with Township sidewalk details.
  - c) Township Building Department checks sidewalk forms and issues **“Permit to Pour”**
  - d) Property owner constructs new sidewalk and provides surface and edge finish, material supplier certs., and restoration, in accordance with Township sidewalk details.
  - e) Property owner calls Township for **“final inspection”** and release of permit.





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# Acceptable Repair Criteria

**“Permit to Pour”**



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## RELEASE TO POUR PERMIT 2022 Sidewalk Repair and Gap Program

Van Buren Township  
46425 Tyler Road  
Van Buren Township, MI 48111

Pending Weather: \_\_\_\_\_ Date: \_\_\_\_\_ SHEET # \_\_\_\_\_ OF \_\_\_\_\_

The assigned Utility Inspector, as a minimum, is responsible to verify sub-grade conditions are acceptable or are corrected prior to pouring, verify unsuitable materials are removed, and verify that the depth and/or thickness of slab meets all standards, recommends the Release to Pour Permit and obtains signatures.

The Contractor's Authorized Representative will not proceed with work in each area that is denied until it is released by the assigned Utility Inspector as indicated by the appropriate sign off(s) on the Release to Pour Permit. If the Contractor proceeds without the required signoff(s); the Contractor takes responsibility for rework, removal, and/or replacement of the unauthorized work at their cost.

	Address	Street Name	Lot #	Approved	Approval w/ Sawcut	Do Not Pour	Subdivision / Comments
1							
2							
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

Received By Contractor's Signature: \_\_\_\_\_ Printed Name/Title: \_\_\_\_\_

INSPECTOR'S SIGNATURE:	PRINT NAME:	HOURS WORKED:	TOTAL:
		FROM: _____ to _____	_____





# Acceptable Repair Criteria

- 2) “Mud Jacking” existing sidewalk flag(s)  
a) Leveling







# Frequently Asked Questions (FAQs)

[https://vanburen-mi.org/departments/supervisor/sidewalk\\_replacement\\_program.php](https://vanburen-mi.org/departments/supervisor/sidewalk_replacement_program.php)

## Sidewalk Replacement Program

### ✓ Will I have to pay to fix sidewalks for other properties if there is no damage/replacement needed on my property?

No. Property owners will only pay for the sidewalk replacement costs incurred for replacement adjacent to their own property.

### ✓ Is it possible Wayne County or the Township will assist in paying for sidewalks in need of replacing?

No. There is no current grant funding or current ability for the County or the Township to pay for sidewalk replacement. Township Staff are investigating other sources of possible funding.

### ✓ Will replacement of a sidewalk kill tree close to the sidewalk on my property?

If tree roots need to be cut in order to properly install new sidewalk, it is possible that the tree may die, although this is a rare occurrence. Township staff will provide guidance on how to properly care for trees in this situation to give them the best chance for survival.

### ✓ What factors are considered that would warrant the need to replace a slab of sidewalk?

Slope, grade change, cracking/spalling, and crumbling are all considered. There is a set of engineering practices that will be followed to determine if a sidewalk needs to be replaced.

### ✓ What is the cost for the replacement of a slab of sidewalk?

The average cost of sidewalk replacement is approximately \$10 per square foot. The standard slab or flag is 5 ft by 5 ft. This places the cost of replacing a slab/flag at approximately \$250 per slab.



# Frequently Asked Questions (FAQs)

[https://vanburen-mi.org/departments/supervisor/sidewalk\\_replacement\\_program.php](https://vanburen-mi.org/departments/supervisor/sidewalk_replacement_program.php)

✓ **What if I decide not to replace a sidewalk that is marked for needing replacement?**

Under this program, all sidewalks marked for replacement will be replaced and billed to the adjacent property owner. If there is a question from a property owner on the decision to replace sidewalk, our Director of Public Services will meet and review the decision with the property owner.

✓ **Who is responsible for paying for the removal of damaged trees?**

The trees in the right of way are under the jurisdiction of Wayne County. Trees on private property are the responsibility of the property owner.

✓ **What is the expected timeframe for this Program?**

If the Township Board of Trustees approves moving forward with this project, it is anticipated it will take place in 2022 over 6 months.

✓ **Approximately how long is a new sidewalk expected to last?**

New sidewalk installed and maintained properly has an expected lifespan of 20 years.

✓ **Is the Township going to assist in coordinating a lead contractor for the Program in the sub-division?**

The benefit of a sidewalk replacement program is bidding out the replacements to contractors at a large scale which garners a better bid price for residents than individual replacement projects. Residents will still have the option of replacing their own sidewalks with their own contractor if they so choose.



# Questions and Answers



# Next Steps

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<b>Final Completion (<b>101</b> calendar days from NTP to Final Completion)</b>	<b>July 19, 2022 - October 28, 2022</b>	
Project Close-Out Period	October 31, 2022 – November 30, 2022	
<b>Township Issues Property Owner <u>Notice (2)</u> – “Final Replacement Cost”</b>		<b>December 9, 2022</b>
<b>Property Owner Payment Period for “Final Replacement Cost” (90 Days from date of <u>Notice (2)</u>)</b>		<b>Dec. 10, 2022 – March 10, 2023</b>



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# Thank You



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# Calendars

< March 2022							April 2022 >						
SU	MO	TU	WE	TH	FR	SA	SU	MO	TU	WE	TH	FR	SA
27	28	1	2	3	4	5						1	2
6	7	8	9	10	11	12	3	4	5	6	7	8	9
13	14	15	16	17	18	19	10	11	12	13	14	15	16
20	21	22	23	24	25	26	17	18	19	20	21	22	23
27	28	29	30	31			24	25	26	27	28	29	30
May 2022							June 2022						
SU	MO	TU	WE	TH	FR	SA	SU	MO	TU	WE	TH	FR	SA
1	2	3	4	5	6	7			1	2	3	4	
8	9	10	11	12	13	14	5	6	7	8	9	10	11
15	16	17	18	19	20	21	12	13	14	15	16	17	18
22	23	24	25	26	27	28	19	20	21	22	23	24	25
29	30	31					26	27	28	29	30		
July 2022							August 2022						
SU	MO	TU	WE	TH	FR	SA	SU	MO	TU	WE	TH	FR	SA
					1	2	1	2	3	4	5	6	
3	4	5	6	7	8	9	7	8	9	10	11	12	13
10	11	12	13	14	15	16	14	15	16	17	18	19	20
17	18	19	20	21	22	23	21	22	23	24	25	26	27
24	25	26	27	28	29	30	28	29	30	31			
31													
September 2022							October 2022						
SU	MO	TU	WE	TH	FR	SA	SU	MO	TU	WE	TH	FR	SA
					1	2							1
4	5	6	7	8	9	10	2	3	4	5	6	7	8
11	12	13	14	15	16	17	9	10	11	12	13	14	15
18	19	20	21	22	23	24	16	17	18	19	20	21	22
25	26	27	28	29	30		23	24	25	26	27	28	29
							30	31					
November 2022							December 2022						
SU	MO	TU	WE	TH	FR	SA	SU	MO	TU	WE	TH	FR	SA
					1	2						1	2
6	7	8	9	10	11	12	4	5	6	7	8	9	10
13	14	15	16	17	18	19	11	12	13	14	15	16	17
20	21	22	23	24	25	26	18	19	20	21	22	23	24
27	28	29	30				25	26	27	28	29	30	31
							1	2	3	4	5	6	7



## 2021-2022 VBPS Parent Calendar

August 30, 2021	First day of school, ½ day K-6, full day 7-12
September 3 <sup>rd</sup> & 6 <sup>th</sup>	No School, Labor Day
October 13 <sup>th</sup>	Evening conferences, grades 7-12
October 14 <sup>th</sup>	½ day for grades 7-12 Afternoon & evening conferences grades 7-12
October 15 <sup>th</sup>	½ day for grades 7-12
October 29 <sup>th</sup>	½ day all grades End of first marking period
November 2 <sup>nd</sup>	No School, Election Day
November 3 <sup>rd</sup>	Evening conferences, grades K-6
November 4 <sup>th</sup>	½ day for grades K-6 Afternoon & evening conferences grades K-6
November 5 <sup>th</sup>	½ day for grades K-6
November 24-26 <sup>th</sup>	No School, Thanksgiving Break
December 18 – January 2 <sup>nd</sup> , 2022	No School, Winter Break
January 17 <sup>th</sup>	No School, Martin Luther King, Jr. Day
January 20 <sup>th</sup>	½ day all grades
January 21 <sup>st</sup>	½ day all grades, end of first semester
February 21 <sup>st</sup>	No School, Presidents Day
March 3 <sup>rd</sup>	½ day all grades K-6 afternoon & evening conferences, evening conferences 7-12
March 4 <sup>th</sup>	½ day all grades
March 25 <sup>th</sup>	End of third marking period
March 26 – April 3 <sup>rd</sup>	No School, Spring Break
May 27-30 <sup>th</sup>	No School, Memorial Day
June 9 <sup>th</sup>	Half day all students
June 10 <sup>th</sup>	Half day all students, last day of school