



VAN BUREN CHARTER TOWNSHIP

DEPARTMENT OF PUBLIC SERVICES

46425 TYLER ROAD, VAN BUREN TOWNSHIP, MI 48111

PHONE (734) 699-8913 FAX (734) 699-8913

APPLICATION FOR SIDEWALK PERMIT

NOTICE TO HOMEOWNERS: It is recommended that if you have hired a contractor to do the work for you that the contractor is the one to obtain the permit. The final inspection should be done before releasing your contractor.

PROPERTY ADDRESS: _____, VAN BUREN TOWNSHIP, MI 48111

PROPERTY OWNER OR LESSEE

NAME:		PHONE:	
ADDRESS:		EMAIL ADDRESS:	
CITY:	STATE:	ZIP:	

CONTRACTOR

NAME:		PHONE:	
ADDRESS:		EMAIL:	
CITY:	STATE:	ZIP:	

SCOPE OF WORK. Please refer to the letter you received from Van Buren Township dated May 19, 2022 for a description of the area of sidewalk that is in need of replacement or repair and required completion date.

NUMBER OF 4' x 4' OR 5' X 5' FLAGS	METHOD OF REPAIR (CHECK ONE) ¹		
	REMOVE AND REPLACE	MUD JACK / LEVEL	GRINDING

¹ See the instructions beginning on page 5 which describe these repair / replacement methods and how to complete them correctly.

ADDITIONAL COMMENTS: _____

Two inspections are required. Prior to any work, please call 734-699-6564 to schedule an inspection which will allow you to proceed with pouring concrete ("permit to pour"), leveling or grinding. Call 734-699-6564 to schedule a final inspection. Please allow the Township 2-3 business days following your call for the inspection to be completed.

I hereby certify that the proposed work is authorized by the property owner of record and that I have been authorized by the owner to make this application as their authorized agent, and we agree to conform to all applicable laws of the State of Michigan. All information submitted on this application is accurate to the best of my knowledge.

Applicant Signature: _____

Date: _____

Owner's Signature, if different from Applicant: _____

Date: _____

THIS PAGE FOR OFFICIAL TOWNSHIP USE ONLY

NOTES FOR DEPARTMENT USE

SIDEWALK PERMIT APPROVED BY:

Signature: _____

Approval Date: _____

Printed Name: _____

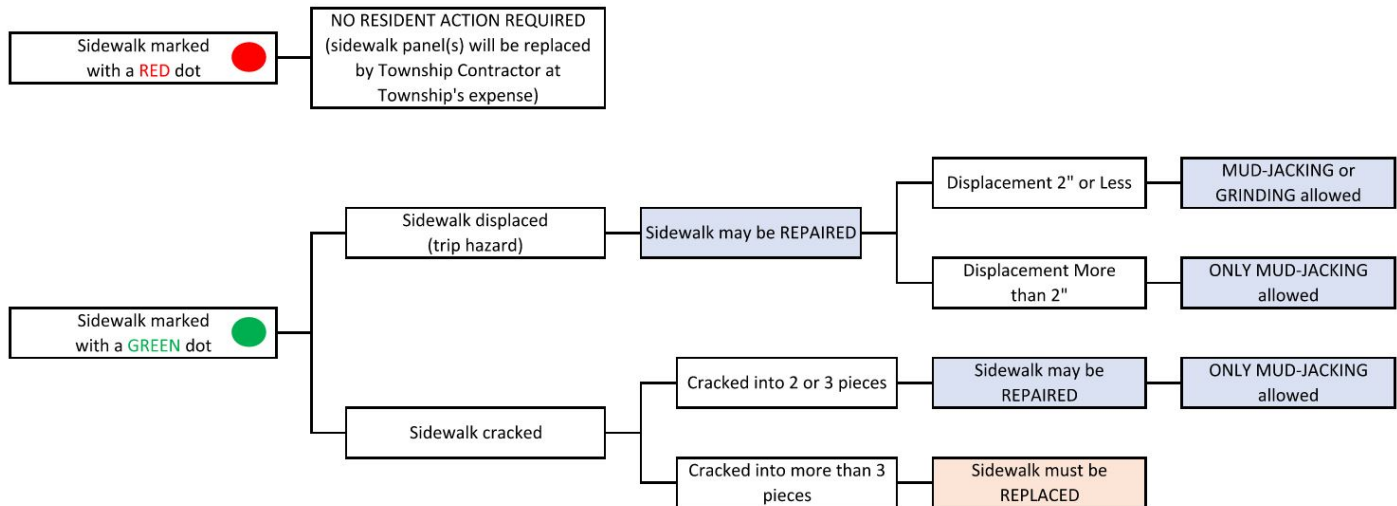
Title: _____

Sidewalk permits are authorized to be approved by the Director of Public Services and/or his Designee

2022 Sidewalk Repair and Replacement Program

Property Owner Self-Performing Guidelines

Thank you for your interest in self-performing (either by Property Owner or by Property Owner hired qualified Contractor) the sidewalk repair or replacement at your property. Below is a general flow chart to assist you in determining if marked sidewalk may be repaired or must be replaced.



ACCEPTABLE REPAIR METHODS:

Mud-Jacking/Concrete Leveling and Concrete Grinding are the only acceptable repair method that will be allowed to repair deficient concrete sidewalk. If sidewalk does not meet the repair criteria listed in the chart above it MUST be removed and replaced.

I. MUD-JACKING/CONCRETE LEVELING REQUIREMENTS:

- Cementitious (or chemical) grout must be used for all Mud-Jacking/Concrete Leveling repairs.
- Re-leveled sidewalk must have 1.5% cross-slope (1% minimum, 2% maximum) toward roadway.
 - *Note: Mud-Jacking/Concrete Leveling may be required on sidewalk panels that are not marked with a green dot in order to meet this requirement.*
- All trip hazards greater than $\frac{3}{4}$ " must be removed from the repaired sidewalk.

II. CONCRETE GRINDING REQUIREMENTS:

- Concrete grinding is only allowed on sidewalk that is displaced vertically 2" or less and must be done on a 1" vertical to 12" horizontal (1:12) ratio.
- Final ground surface must be a smooth "non-slip" textured surface finish without any rough edges.
- Ground concrete must be sealed with a clear slip resistant concrete sealer.
- All trip hazards greater than $\frac{3}{4}$ " must be removed from the repaired sidewalk.

Van Buren Township reserves the right to reject repaired concrete sidewalk if:

- All requirements listed above are not met.
- Repairs are performed on sidewalk that must be replaced.
- Alternative, non-approved, repair methods are used.

If Van Buren Township rejects the repaired concrete sidewalk, and it is not corrected by the Property Owner, it will be removed and replaced by the Township's hired Contractor at the Property Owner's expense.

PROPERTY OWNER SELF-PERFORMING SIDEWALK REPLACEMENT REQUIREMENTS:

I. Removal of Existing Sidewalk

- Existing sidewalk must be sawcut full depth prior to removal at the limits of removal.
 - Care should be taken during sawcutting, existing sprinkler lines and invisible pet fence lines are generally within close proximity to the sidewalk.
- Existing sidewalk must be removed and properly disposed of.
 - Green For Life (GFL) will NOT dispose of sidewalk or pieces of sidewalk placed at the curb.

II. Preparation of Subgrade

- Call Miss Dig (at 811) 3-days prior to beginning preparation of subgrade to have existing utilities located.
- Existing tree roots that are visibly protruding or causing subgrade displacement must be cut and removed from under the sidewalk or ground down to a depth of at least **four (4) inches below** the bottom of the proposed concrete sidewalk.
- Existing subgrade (under sidewalk) must be uniformly graded and compacted in place to provide a consistent 4-inch thick proposed concrete sidewalk.
 - During grading it may be necessary to remove and dispose of excess subgrade material or add Class II sand material, compacted in place, to achieve a consistent proposed concrete sidewalk thickness.
- Place and secure concrete formwork with a 1.5% (1.0% minimum, 2.0% maximum) sidewalk cross-slope (toward roadway).
 - Proposed sidewalk width MUST match width of adjacent existing sidewalk, to remain.
 - Sidewalk cross-slope variations/transitions to match adjacent existing sidewalk, to remain, will be accepted.

III. Sidewalk "Permit-To-Pour"

- Upon completion of the above requirements I and II, it is the Property Owner's responsibility to contact Van Buren Township Building Department to schedule an inspection and receive a "Permit-To-Pour" approval.
 - ***Van Buren Township reserves the right to reject any replaced concrete if it is placed WITHOUT the Property Owner receiving a "Permit-To-Pour".***

IV. Proposed Concrete Sidewalk Placing and Finishing

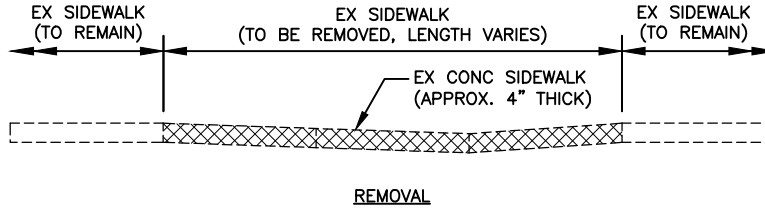
- Proposed concrete sidewalk replacement must be placed full depth uniformly for the entire length of the replacement. No concrete sidewalk panel shall be partially placed.
- Proposed concrete sidewalk edges must be rounded using a ¼" concrete edging tool.
- Contraction joints in proposed concrete sidewalk must be tooled or sawcut. Sawcut contraction joints must be 1-inch deep and must be cut timely to prevent stress cracking.
 - Contraction joints must be placed at even increments throughout the replaced sidewalk and shall be perpendicular to the edge of sidewalk.
 - 4-foot wide sidewalk: Contraction joints spaced 4-feet apart.
 - 5-foot wide sidewalk: Contraction joints spaced 5-feet apart.
 - Or shall be equally spaced within the concrete sidewalk replacement segment.
- Expansion joint material shall be ½" thick fiber board and placed full depth at one location in the replaced concrete sidewalk per property.
- Proposed concrete sidewalk must be nylon broom finished perpendicular to the general pedestrian travel direction.
- Proposed concrete sidewalk must be sealed with white concrete curing compound.

V. Restoration and Clean-Up

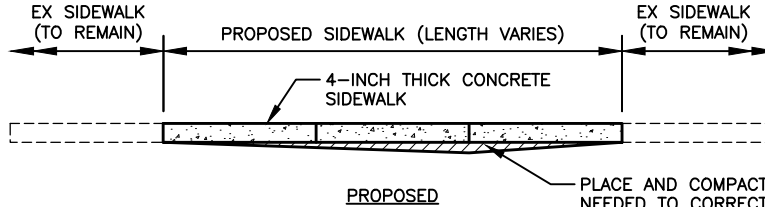
- Once proposed concrete is cured all formwork must be removed and properly disposed of.
- Voids left by concrete formwork must be filled with screened topsoil.
- All restoration shall consist of screened topsoil, fertilizer, seed and mulch and shall be watered until growth is established.

Van Buren Township reserves the right to reject replaced concrete sidewalk if any of the above requirements are not met. If Van Buren Township rejects the replaced concrete sidewalk, and it is not corrected by the Property Owner, it will be removed and replaced by the Township's hired Contractor at the Property Owner's expense.

SIDEWALK REPLACEMENT DETAILS



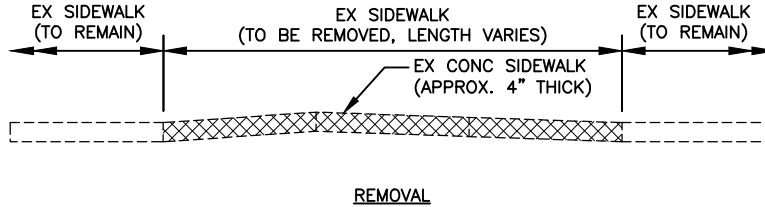
REMOVAL



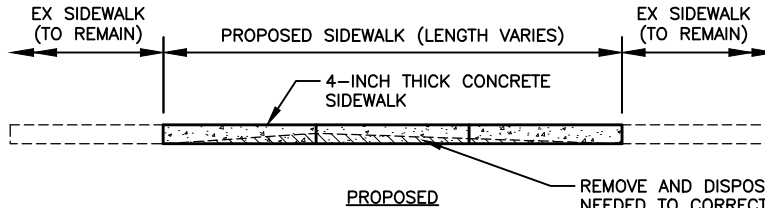
PROPOSED

PLACE AND COMPACT BASE MATERIAL AS NEEDED TO CORRECT LONGITUDINAL SIDEWALK SLOPE

SETTLED SIDEWALK DETAIL (NO SCALE)



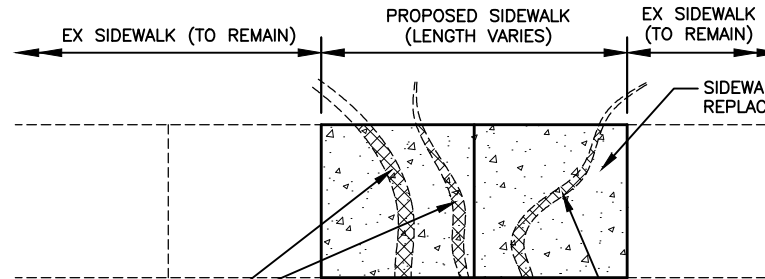
REMOVAL



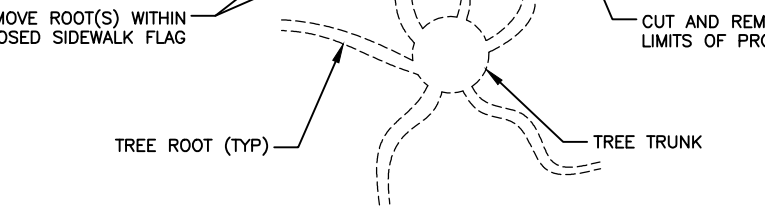
PROPOSED

REMOVE AND DISPOSE OF BASE MATERIAL AS NEEDED TO CORRECT LONGITUDINAL SIDEWALK SLOPE

HEAVED SIDEWALK DETAIL (NO SCALE)



REMOVAL



PROPOSED

REMOVE AND DISPOSE OF BASE MATERIAL AS NEEDED TO CORRECT LONGITUDINAL SIDEWALK SLOPE

CUT AND REMOVE ROOT(S) WITHIN LIMITS OF PROPOSED SIDEWALK FLAG

CUT AND REMOVE ROOT(S) WITHIN LIMITS OF PROPOSED SIDEWALK FLAG

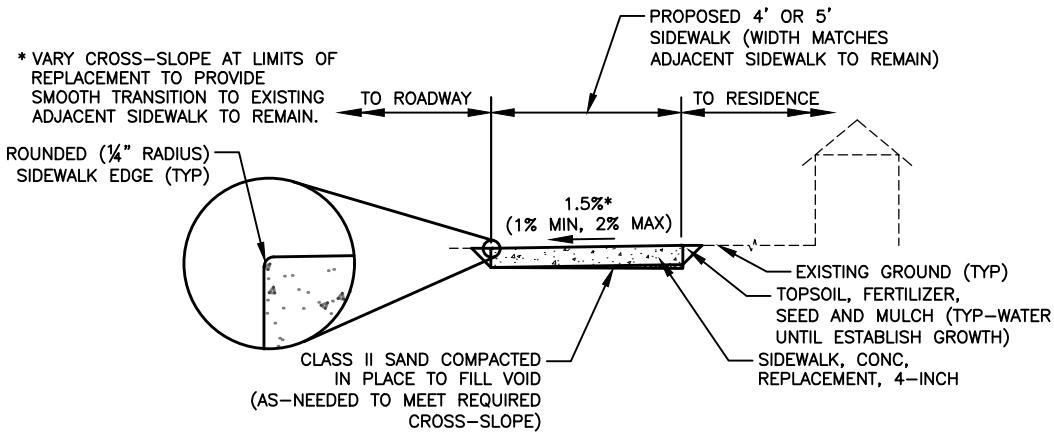
TREE ROOT (TYP)

TREE TRUNK

TREE ROOT REMOVAL DETAIL (NO SCALE)

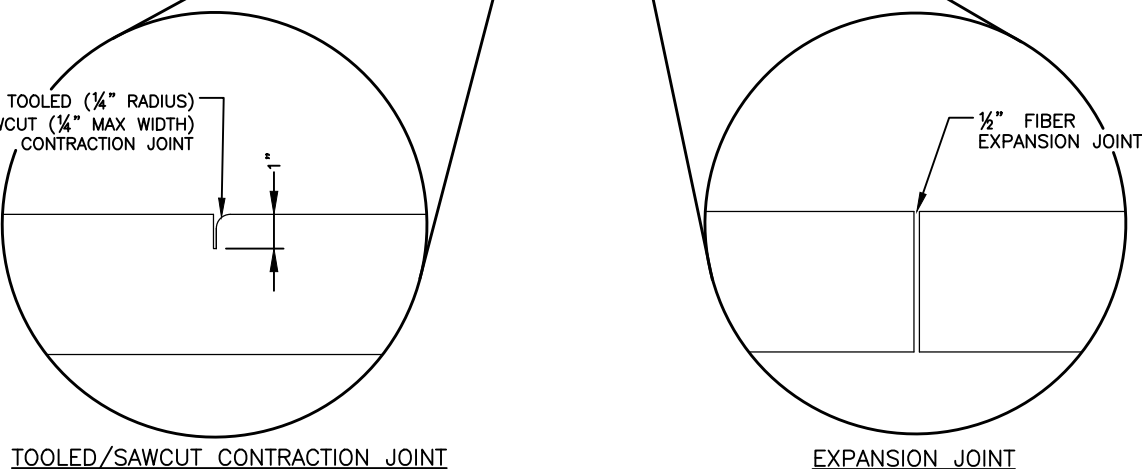
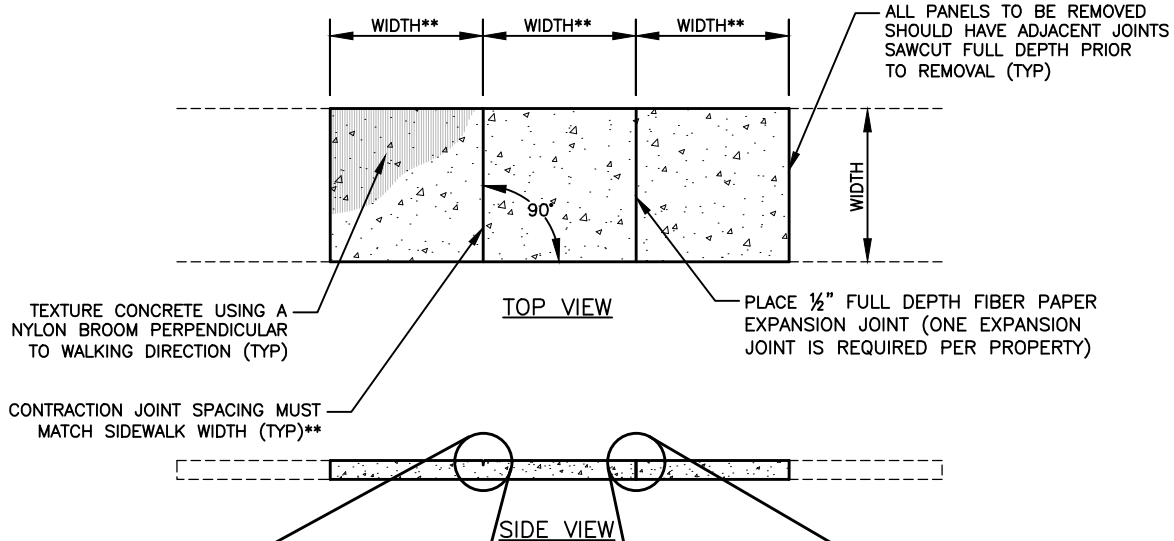
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SIDEWALK REPLACEMENT DETAILS CONT.



SIDEWALK CROSS-SLOPE DETAIL
(NO SCALE)

** CONTRACTION JOINT TO MATCH SIDEWALK WIDTH, IF NECESSARY, EQUALLY SPACE CONTRACTION JOINTS THROUGHOUT SIDEWALK REPLACEMENT (4 FOOT MINIMUM SPACING, 6 FOOT MAXIMUM SPACING).



SIDEWALK CONTRACTION JOINT DETAIL
(NO SCALE)

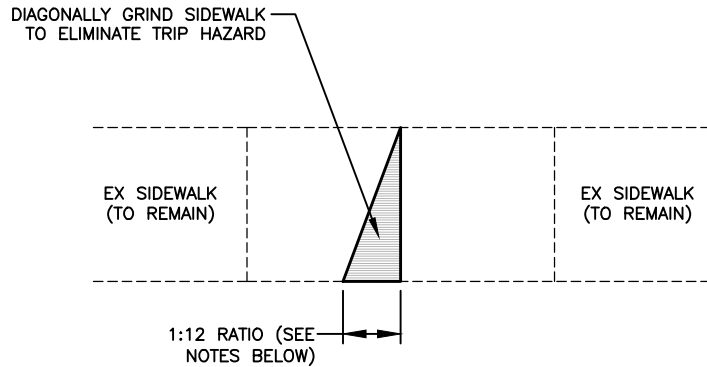
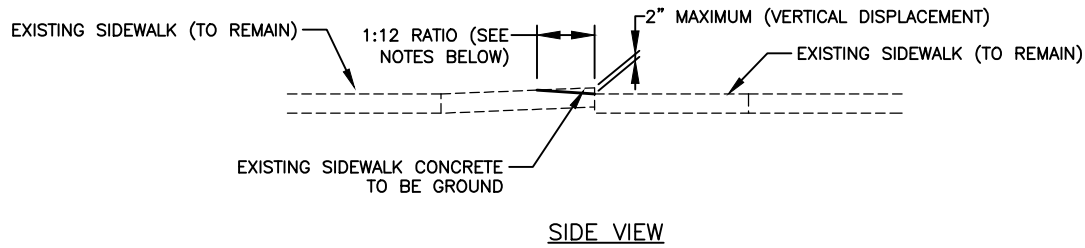


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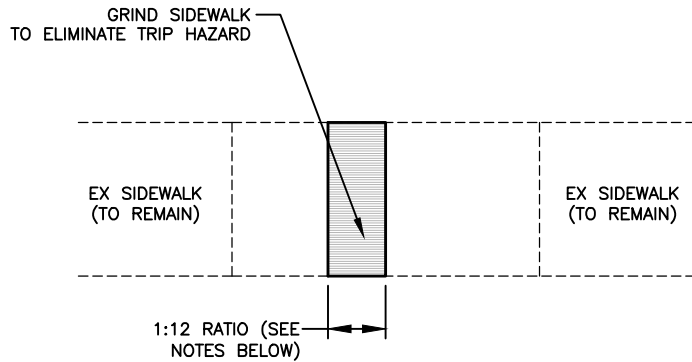
Van Buren Township
Van Buren Township, Michigan
Sidewalk Replacement Program

PROJECT NO.
220534

SIDEWALK GRINDING DETAIL



ONE SIDE/UNEVEN GRINDING
(USED WHEN VERTICAL DISPLACEMENT OF SIDEWALK PANEL VARIES)



UNIFORM GRINDING
(USED WHEN VERTICAL DISPLACEMENT OF SIDEWALK PANEL IS CONSISTENT)

NOTES:

1. IF VERTICAL DISPLACEMENT IS GREATER THAN 2", THEN SIDEWALK GRINDING IS **NOT** ALLOWED, DISPLACED SIDEWALK PANEL TO BE REPLACED.
2. GRINDING MUST BE TAPERED AT A 1:12 RATIO (1" VERTICAL TO 12" HORIZONTAL), SEE TABLE FOR DETAILS.
3. FINAL GROUND SURFACE MUST BE A SMOOTH "NON-SLIP" TEXTURED SURFACE FINISH AND MUST BE SEALED WITH CLEAR SLIP RESISTANT CONCRETE SEALER.

1:12 RATIO TABLE

VERT. DISPLACEMENT	HORIZ. GRIND LENGTH
0.5"	6"
1"	12"
1.5"	18"
2"	24"
>2"	NOT ALLOWED



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