

SIDEWALKS

TRAFFIC CONTROL:

- A. Sidewalks under construction shall be barricaded or fenced to protect pedestrians.

CROSS SLOPE:

- A. All sidewalks shall slope to the street at a rate of $\frac{1}{4}$ inch per foot.
- B. The street edge of the sidewalk shall be located above the curb $\frac{1}{2}$ inch for every foot horizontally from the curb.

MATCHING EXISTING WALKS:

- A. The width and location of a new sidewalk shall be varied to match the width and location of existing sidewalks in the area. However, the sidewalk width shall not be reduced to less than 4 feet.
- B. Sidewalk cross slope may be varied through a gradual transition to match existing adjoining walks. Contact the engineering department if existing adjoining walks vary significantly from existing standards.

MATERIAL AND THICKNESS:

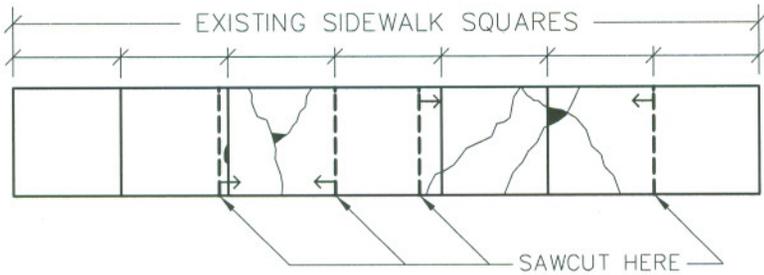
- A. Sidewalks shall be constructed of Portland cement concrete conforming to the Iowa Department of Transportation C-3 mix. Maximum slump shall be 3 inches.
- B. Sidewalks 4 to 6 feet wide have a minimum thickness of 4 inches. Sidewalks greater than 6 feet wide shall have a minimum thickness of 5 inches with fiber mesh reinforcement or 6 inches of non-reinforced concrete. Sidewalks crossing driveways shall be a minimum of 6 inches thick.

JOINTS AND FINISH:

- A. Sidewalks shall have a uniform texture with a broom finish.
- B. Tooled joints are permissible on sidewalks with less than 6 feet width. Framing is permissible on sidewalks with tooled joints and should match existing adjoining sidewalk. The maximum depth of framing shall be $\frac{1}{16}$ inch. The joint depth shall be $\frac{1}{4}$ the sidewalk thickness. The joint width shall be minimized.
- C. Sawed joints are permissible for all widths of sidewalks. The joint depth shall be $\frac{1}{4}$ the sidewalk thickness.
- D. Sidewalk joints shall be delineated through driveways.
- E. Sidewalk joints shall be spaced to form square panels.
- F. Preformed expansion joints, $\frac{1}{2}$ inch in width, shall be installed adjacent to all curb ramps.
- G. Apply curing compound immediately following finishing operations or cure with moist burlap for not less than 24 hours.
- H. Install rebar per Joint Details on back of sheet.

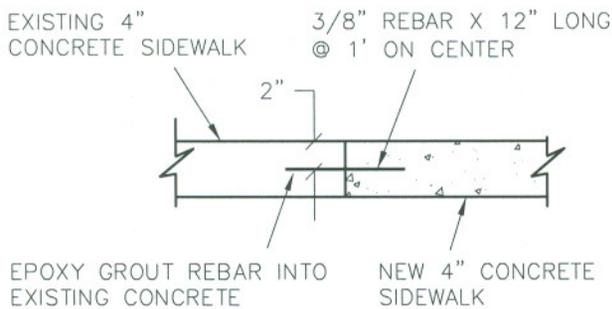
Please note that these specifications are for sidewalk repair only. If needed, contact Engineering 356-5140 for complete specifications on Part 2—Sidewalks and Trails.

PLEASE EXERCISE CARE WHEN REMOVING MARKED SQUARES.
ADJACENT SQUARES DAMAGED AS A RESULT OF REPAIR WORK WILL BE
REQUIRED TO BE REPLACED AT THE OWNER'S EXPENSE.

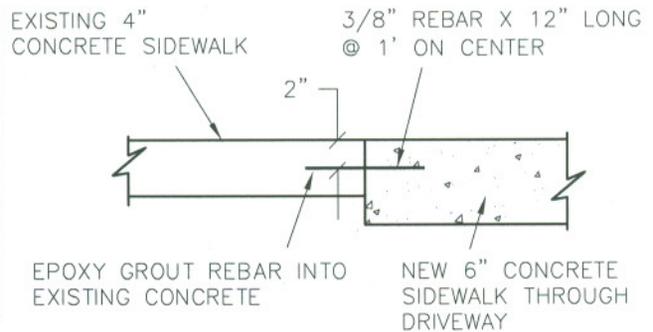


IF ARROWS ARE THROUGH A PARTIAL SQUARE ADJACENT TO A SQUARE MARKED FOR REMOVAL, THIS SQUARE MUST BE SAWCUT TO REMOVE HAZARDS ON BOTH SQUARES; OR THE ENTIRE ADJACENT SQUARE NEEDS TO BE REPLACED AS WELL. SQUARE DIMENSIONS MUST BE MAINTAINED AS CLOSE AS POSSIBLE TO A 4'X4' SQUARE.

SAWCUT DETAIL

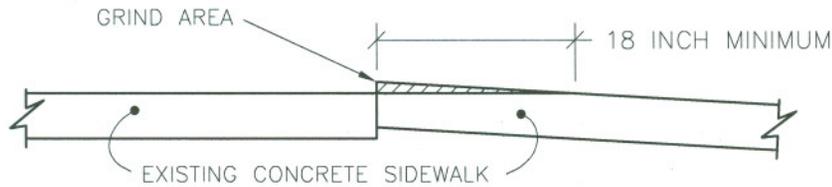


STANDARD



THROUGH DRIVEWAY

JOINT DETAILS



GRINDING DETAIL

REPAIR OPTIONS:

TYPE A

- Complete removal and replacement of the panel
- Mud jacking the panel/ lifting the panel maintaining cross slope of ¼ inch per foot
- Milling the panel to at least 18 inches back from vertical edge creating smooth transition from one panel to another

TYPE B1

- Complete removal and replacement of the panels

TYPE B2

- Complete removal and replacement of the panels
- Mud jacking the panel/ lifting the panel to establish cross slope of ¼ inch per foot
- Grade parkway to drain sidewalk

TYPE C1

- Complete removal and replacement of the panels

TYPE C2

- Complete removal and replacement of the panels
- Patching or sealing the cracks or chips with a patch or sealing material

TYPE D1

- Complete removal and replacement of the panels

TYPE D2

- Complete removal and replacement of the panels
- Patching the spalled areas with a patching material

TYPE E1

- Complete removal and replacement of the panels

TYPE E2

- Complete removal and replacement of the panels
- Remove all vegetation/debris and seal separation with a sealant

TYPE F

- Complete removal and replacement of the panels
- Mud jacking the panel/ lifting the panel to establish cross slope of ¼ inch per foot