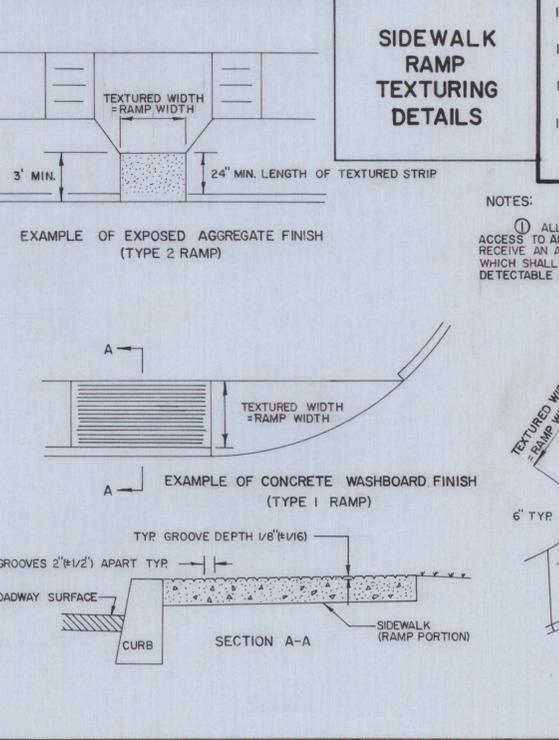
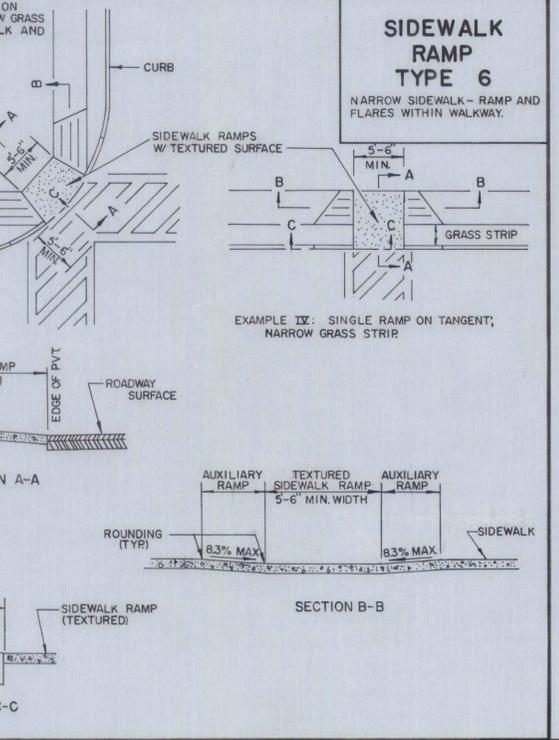
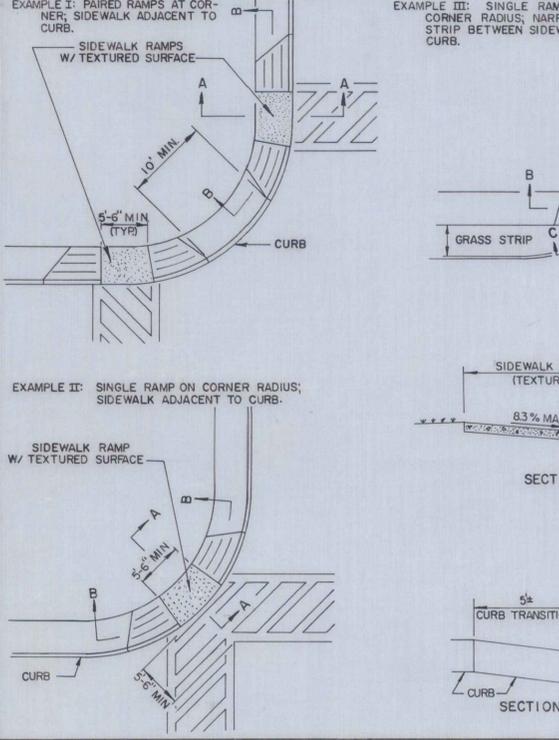
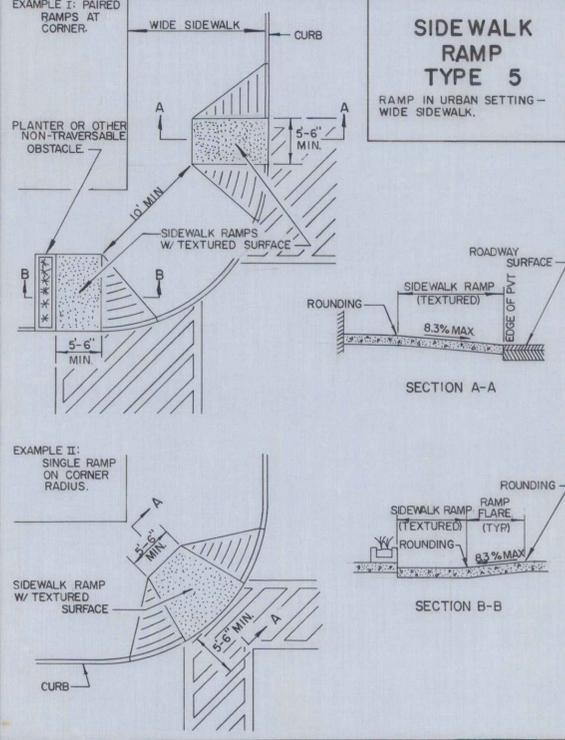


- GENERAL NOTES:**
- THE DIMENSIONS AND GRADES SHOWN ON THIS STANDARD WILL BE ADHERED TO IN THE DESIGN AND CONSTRUCTION OF SIDEWALK RAMPS INSOFAR AS IS FEASIBLE. WHERE SIDEWALKS RUN ADJACENT TO ROADWAYS ON STEEP (5% OR GREATER) GRADES, RAMP GRADES WILL BE AS FLAT AS POSSIBLE CONSISTENT WITH SOUND ENGINEERING JUDGMENT.
  - MINIMUM RAMP WIDTH =
    - 4' WHERE THE RAMP MAY BE APPROACHED DIRECTLY.
    - 5'-6' WHERE THE RAMP MUST BE (OR OFTEN WILL BE) APPROACHED FROM THE SIDE, TO PROVIDE MANEUVERING ROOM FOR WHEELCHAIRS.
  - ALLOWABLE GRADES ON RAMPS:
    - 8.3% MAXIMUM
    - FLATTER GRADES WILL BE PROVIDED WHERE FEASIBLE.
  - ALLOWABLE GRADES ON FLARES ADJACENT TO RAMPS.
    - 12.5% MAXIMUM WHEN NOT DIRECTLY IN PATH THAT PEDESTRIANS MUST USE.
    - 10.0% MAXIMUM WHEN DIRECTLY IN PATH THAT PEDESTRIANS MUST USE.
    - 8.3% MAXIMUM WHEN NORMALLY USED BY WHEELCHAIRS TO ENTER OR EXIT RAMP
    - FLATTER GRADES WILL BE PROVIDED WHERE FEASIBLE.
  - CROSS-SLOPES ON RAMP SURFACES SHALL NOT EXCEED 2.1%.
  - AN OVERRUN DISTANCE OF 5'-6" MINIMUM SHOULD BE PROVIDED AT THE TOP AND BOTTOM OF SIDEWALK RAMPS TO ALLOW FOR STOPPING AND MANEUVERING OF WHEELCHAIRS.
  - TRANSITIONS (GRADE CHANGES) AT TOPS AND BOTTOMS OF RAMPS AND FLARES SHOULD BE ROUNDED.
  - VERTICAL DROP-OFF EDGES TO RAMPS WILL NOT BE BUILT UNLESS THE RAMP ABUTS AN AREA WHICH WILL NOT BE USED BY PEDESTRIANS.
  - NO VERTICAL "LIP" OR "CURB REVEAL" WILL BE PROVIDED WHERE THE RAMP ADJOINS THE ROADWAY.
  - RAMPS SHALL IN ALL CASES DIRECT USERS INTO THE CROSSWALK AREA.
  - WHERE POSSIBLE, SIDEWALK RAMPS AND FLARES SHOULD BE LOCATED OUTSIDE THE DIRECT LINE OF TRAVEL MOST LIKELY TO BE FOLLOWED BY THE VISUALLY IMPAIRED.
  - SIDEWALK RAMPS MUST NOT BE LOCATED WHERE THEIR USE MAY BE PREVENTED BY SIGNS, POLES, PLANTERS, MAIL BOXES, ETC.
  - SIDEWALK RAMPS SHOULD NOT BE LOCATED WHERE USERS MUST CROSS DROP INLET GRATES, MANHOLE COVERS OR OTHER ACCESS LIDS.
  - CURB DRAINAGE SHOULD BE CONSTRUCTED SO AS TO PRECLUDE THE FLOW OF WATER PAST THE SIDEWALK RAMP.
  - WHERE CURB CORNER RADIUS EXCEEDS 25', TWO SIDEWALK RAMPS ARE RECOMMENDED IN PREFERENCE TO A SINGLE RAMP.
  - JOINTS WILL BE CONSTRUCTED IN ACCORDANCE WITH SUBSECTION 618.03(f); HOWEVER, EXPANSION JOINTS WITHIN THE SIDEWALK RAMP AREA WILL BE AVOIDED WHEREVER POSSIBLE.



- NOTES:**
- ALL SIDEWALK RAMPS PROVIDING ACCESS TO AN ADJACENT ROADWAY SHALL RECEIVE AN APPROVED TEXTURED TREATMENT WHICH SHALL BE SLIP-RESISTANT AS WELL AS DETECTABLE BY CANE BY THE VISUALLY IMPAIRED
  - TEXTURING SHALL, AS A MINIMUM, EXTEND 24" IN LENGTH, THE FULL WIDTH OF THE RAMP AND BE DETECTABLE TO A POINT 3' FROM THE CURB LINE OR EDGE OF ROADWAY.
  - APPROVED TEXTURED TREATMENTS ARE AS FOLLOWS:
    - EXPOSED AGGREGATE (SHOULD NOT BE MADE SO ROUGH AS TO ADVERSELY AFFECT WHEEL CHAIR OPERATION)
    - CONCRETE WASHBOARD (WET CONCRETE STRUCK WITH THE EDGE OF A BOARD TO GIVE A WASHBOARD EFFECT WITH GROOVES 1/8" (1/16" DEEP)
    - THERMOPLASTIC STRIPS 6" WIDE, APPLIED 6" APART ACROSS THE RAMP 1/8" TO 3/16" THICK.
  - CHOICE OF TEXTURED TREATMENT SHALL BE AT THE CONTRACTORS OPTION, SUBJECT TO THE APPROVAL OF THE ENGINEER, AND SHALL BE UNIFORM THROUGHOUT THE PROJECT. IN ALL CASES, TEXTURING, INCLUDING NECESSARY MATERIALS, TOOLS, EQUIPMENT AND LABOR, SHALL BE CONSIDERED SUBSIDIARY TO THE SIDEWALK PAY ITEM.

CORRECTIONS AND REVISIONS

APPROVED: *S.J. Page*  
DATE: AUG 07 1980  
DIRECTOR OF ENGINEERING AND CONSTRUCTION  
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# SIDEWALK RAMPS



STANDARD  
C-3