



PERMITS ISSUED BY BUREAU OF STREET-USE AND MAPPING

- Additional Street Space
- Banners
- Boring/Monitoring Well
- Café Tables and Chairs
- Debris Box
- Display Merchandise
- Flower Market
- Free Sample Merchandise
- General Excavation
- Inspection of Conformity Right of Way
- Major Encroachment
- Minor Sidewalk Encroachment
- Mobile Food Facility (Food Trucks)
- Mobile Storage Container
- Night Noise
- Notice to Repair
- Over-wide Driveway (over 30')
- Parklet
- Pipe Barrier / Security Bollards
- Side Sewer
- Sidewalk Landscaping
- Sidewalk Repair (Voluntary)*
- Special Sidewalk
- Street Space Occupancy*
- Street Improvement
- Transit Shelters
- Temporary Occupancy
- Tree Planting and Removal
- Underground Tank Removal
- Utility Excavation
- Vault Encroachment
- Wireless Box

REINFORCED CONCRETE SIDEWALK

DPW Order 181306 :
*Establishing procedures and guidelines
for the construction of reinforced
concrete in new sidewalk*

San Francisco Public Works
Street-Use and Mapping
49 South Van Ness Avenue, Suite 300
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Phone: (628) 271-2000

San Francisco Public Works
Permit Center
49 South Van Ness Avenue, Suite 200

Processing Hours:

- 7:30 a.m. - 4:30 p.m.
Monday, Tuesday, Thursday and Friday
- 9:00 a.m. - 4:30 p.m. Wednesday
- **Closed on official holidays**



www.sfpublicworks.org

To establish procedures for constructing reinforced concrete sidewalk in the public right of way to reduce cracks and damage occurring in newly poured concrete sidewalks.

Cracks and damage in concrete sidewalk occur as a result of shrinkage, settlement and tree root damage, etc. When existing concrete sidewalk develops gaps, cracks, chips, displacement, holes or other defects, permanent repairs or replacement of the sidewalk shall be required in order to maintain defect-free sidewalk and provide a safe public environment.

Public Works follows the standards established in the 2010 ADA Standards and California Title 24, which identifies a 1/4-inch or greater displacement or gap as a defect subject to repair to comply with accessibility guidelines and regulations. The typical process to repair a sidewalk defect is the removal and replacement of the sidewalk as specified in the City's Standard Specifications (Section 204).

Public Works will continue to monitor the condition of the City's sidewalks and require defects to be repaired either by the City for City-owned sidewalks or by the fronting property owners. Public Works Code Section 706 makes it the duty and responsibility of the property owners to maintain sidewalk in front of and adjacent to their properties in good repair and condition.

Reducing cracking will improve safety for all pedestrians, including those who use wheelchairs, walkers, canes, and scooters; and parents with strollers.

Guidelines

A. New reinforced concrete sidewalk shall be constructed in accordance with the SFDPW Standard Plan 96,608 and the SFDPW Standard Specification Section 204 with #3 steel reinforced bars at mid-depth of the concrete sidewalk slab.

B. The requirement for reinforcement in new concrete sidewalk shall be effective upon the adoption of this DPW Order. Reinforcement shall be required for new sidewalk on a diagonal to all re-entrant corners (property corners, curb ramps, pull boxes, etc.).

C. Permits issued after the adoption of this DPW Order shall be constructed per the new DPW Steel Reinforced Bars for Sidewalk Construction Standard Plan, File No. 96,608.

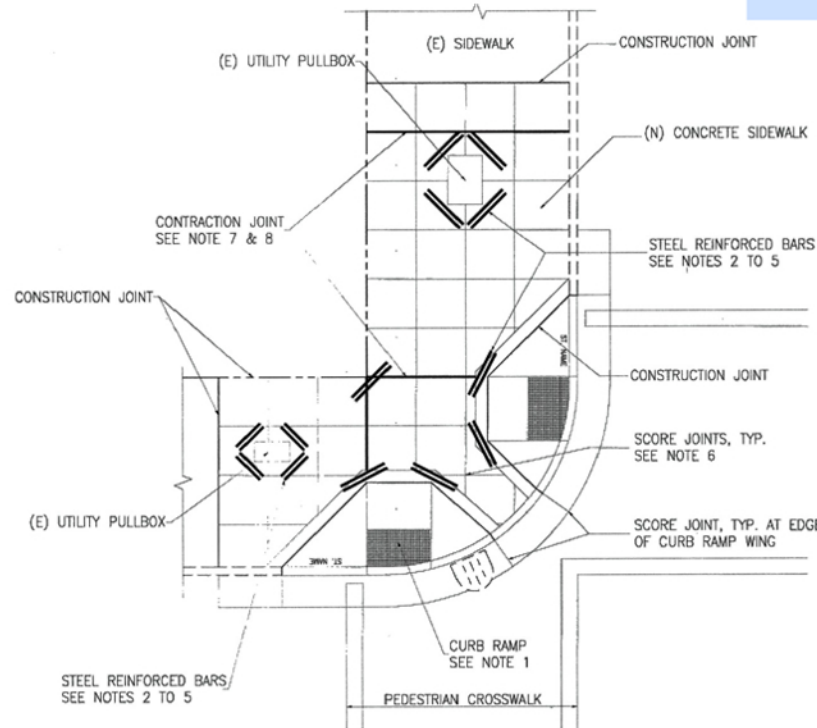
D. City construction contracts advertised after the adoption of this DPW Order shall be constructed per the new DPW Steel Reinforced Bars for Sidewalk Construction Standard Plan, File No. 96,608.

E. A minimum 2-inch distance is required from the edges of the reinforcement to a construction joint for adequate protection.

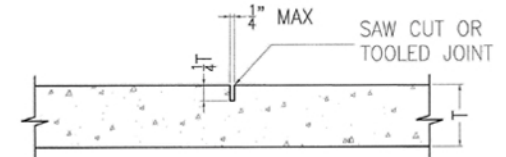
F. Steel reinforcement bars shall have a minimum 3-foot bar length with a 3-inch on center spacing. At locations where the bar length is restricted, a 2-foot bar length is acceptable with the approval of the engineer.

Specification Notes:

1. All curb ramps shall be poured separately from sidewalk and shall contrast visually with adjacent sidewalk surfaces, in accordance with City Standard sidewalks as defined in Section 204 of DPW Standard Specifications and Curb Ramp Standard Plans.
2. Curb ramp and sidewalk slab-on-grade shall be constructed according to DPW standard specification section 204 with #3 steel reinforced bars at mid-depth of the concrete slab.
3. Minimum 3-foot reinforced bar length with 3-inch on center spacing. At locations where 3-foot reinforcement bar length is restricted, 2-foot reinforcement bar length is acceptable with the approval of the engineer.
4. A 2-inch minimum distance is required from the edges of the reinforcement to a construction joint.
5. Reinforcement shall be installed on a diagonal to all re-entrant corners (property corners, curb ramps, pull boxes, etc.)
6. Score joints shall have a 1/4-inch depth and be in accordance with City Standard sidewalks as defined in Section 204 of DPW Standard Specifications.
7. Contraction joints shall be spaced a maximum of 15 feet apart and shall enclose an area no more than 250 square feet.
8. For saw cut contraction joints, cut slab immediately after initial concrete is set and before final curing.



**REINFORCED SIDEWALK PLAN
TYPICAL LAYOUT
(NOT TO SCALE)**



CONTRACTION JOINT

This Standard Plan was developed for use on public works projects in the City and County of San Francisco, and shall not be used without consulting a Registered Professional Engineer. The Department of Public Works reserves the right to make revisions to this Standard Plan at any time.