

Public Works Order No.: 201954

This order supersedes the existing DPW Order No. 178,806.



London N. Breed
Mayor

Mohammed Nuru
Director

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I. Purpose:

To establish procedures for salvage and restoration of granite curb, cobblestones, and/or brick of existing curb and gutter.

II. Construction Plan Requirements

All existing granite (granodiorite) curb, and existing surficial bricks and cobblestones, within the area of proposed curb-and-gutter work shall be shown on project construction plans prepared by the Department and/or submitted to the Department for said work.

The areal extent of National Register of Historic Places historic districts, California Register of Historical Resources historic districts, and historic districts identified by San Francisco Planning Code Articles 10 and 11 districts (together, "historic districts") shall be shown on project construction plans prepared by the Department and/or submitted to the Department for work proposed within the public right-of-way which involves demolition of existing curb and/or gutter.¹

III. Accessibility Requirements

No granite, cobblestones, or brick gutter shall be restored within a pedestrian accessible route (PAR) (see Public Works Order No: 200369).

IV. Construction Requirements for Granite Curb

In Historic Districts

Salvaged granite curb is not required to be used on new linear and radius curb sections of new curb corner extensions ("bulb-outs").

Where granite curb of any length is shown within the boundaries of a historic district, all linear granite curb sections 4' and longer, and curb radius sections of any length, shall be salvaged and reset/reused. Except as noted above (PAR, bulb-outs), all linear or tangent sections of curb within the project limits within the limits of a historic district, regardless of the existing condition of other curb segments, shall be restored with the salvaged granite curb supplemented with replacement granite curb sections, regardless of whether the curb line has moved.

Where granite curb radius sections of any length are shown on plans, these shall be salvaged. Except as noted above (PAR, bulb-outs), all existing radius sections of curb within the historic district shall be restored with the salvaged granite curb radius supplemented with

¹ Mapping for historic districts is available at <https://data.sfgov.org>.

replacement granite curb radius sections, but only where the curb line has not moved or where it would not be placed within a pedestrian accessible route.

Outside of Historic Districts

Where any granite curb section 4' and longer is shown, not within a historic district, that section shall be salvaged and reset in the location from which it was salvaged. If the curb line is moving as a result of the project, the salvaged granite curb will be reset parallel to its previous location. Salvaged granite curb is not required to be used on new linear and radius curb sections of new curb corner extensions ("bulb-outs") and, as stated above, may not be reused within a PAR.

Provision of Curb Granite

For projects for which the City and County of San Francisco is the sponsor, or one or more departments of the City are a sponsor, Department stockpiles of salvaged granite curb shall be made available upon application to the Department. All others shall provide required new granite curb matching existing granite curb to the Department's satisfaction. City projects may elect to use new granite curb. Specifications for new granite curb shall be as follows:

- a) Material: Stone curb shall be made from California Granite, free from defects or flaws that might impair its usefulness as curb.
- b) Dimensions: Each piece of curb shall be at least 4 feet long, 6 inches thick at top and bottom, and 16 inches deep.
- c) Dressing: The top of the curb and its face for a depth of 6 inches shall have a first-class peen-hammered finish. These surfaces shall be true and properly squared, and have no holes. A tolerance of 1/4 inch will be allowed in width of top of curb. The back of the curb, for a depth of 2 inches, shall be pointed to a fair surface, free from inequalities exceeding 1/2 inch, when measured from a straight edge. The joints of the curb shall show an even edge for a depth of 8 inches, and shall be kept full. The joints below the dressed portion shall not be pitched more than 1/4 inch under square. The joints throughout the dressed portion of the ends shall not exceed 1/4 inch. All edges bordering dressed surfaces shall be sharply defined.

Where gutters are deeper than 6 inches, the face of the granite curb shall be peen-hammered to the full depth of the gutter. The lower part of each stone shall be roughly squared, and shall have an average thickness of not less than 6 inches at the bottom and at no point shall the thickness be less than 4 inches.

The curb for corners shall be cut to the prescribed curved lines, with joints on true radial lines. The joints between the several blocks of stones shall not exceed 1/8 inch.

V. Construction Requirements for Surficial Brick Gutter and Cobblestones

Except as noted above (PAR, bulb-outs), existing brick gutter shown on plans shall be salvaged and reset in its original location, and existing surficial cobblestones shall be salvaged and reset in their original location. Subsurface bricks and cobblestones encountered during construction shall be salvaged.

For projects for which the City and County of San Francisco is the sponsor, or one or more departments of the City are a sponsor, Department stockpiles of salvaged brick shall be made available upon application to the Department. All others shall provide required new brick matching existing brick to the Department's satisfaction. City projects may elect to use new brick. New replacement gutter brick shall be brick of approximately the same dimensions and approximate color of the existing brick and shall conform to ASTM standard specification C1272 – 17 for Heavy Vehicular Paving Brick Type R as well as meet criteria set forth in Public Works guidance for slip resistance.

Other than brick gutter to be replaced/restored, no brick or cobblestone surfacing may be removed from the surface of the travel way without prior environmental clearance by the San Francisco Planning Department.

VI. Handling and Transportation of Salvaged Materials as City Property

Granite Curb:

The Contractor shall neatly and securely place the granite curb on pallets so it can be moved about safely after delivery.

The Contractor shall exercise care in transporting the granite curb to minimize damage.

The minimum length limit of salvageable granite curbs shall be no less than four feet.

The granite curb shall be delivered, including off loading, to the Treasure Island Maintenance Yard at 701 14th Street at Avenue I, Treasure Island, or where directed by the City Representative within the City. Contact Bureau of Street and Sewer Repair (BSSR) at least forty-eight hours (48 hours) prior to delivery. BSSR can be reached at (415) 695-2087.

Cobblestones and Brick:

During the course of the excavation, the brick and/or cobblestones shall be cleaned of dirt, grout and/or concrete prior to transporting. Care shall be taken during the transporting the brick and cobblestones to minimize damage before delivery to City.

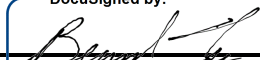
The cobblestones and/or brick shall be neatly and securely placed on pallets so they can be moved about safely after the delivery.

Minimum size of cobblestone shall be 4 inches square (16 square inches). Bricks shall be whole.

The cobblestones and/or brick shall be delivered, including offloading, to the Treasure Island Maintenance Yard at 701 14th Street at Avenue I, Treasure Island, or where directed by the City Representative within the City. Contact Bureau of Street and Sewer Repair (BSSR) at least forty-eight hours (48 hours) prior to delivery. BSSR can be reached at (415) 641-2627.

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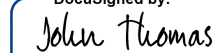


Tse, Bernie 538EA14480EB46D...

Acting Bureau Manager

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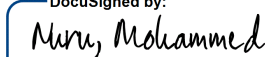


Thomas, John B3944D53BAFD487...

Deputy Director and City Engineer

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Nuru, Mohammed

Director

Certificate Of Completion

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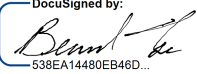
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Signature

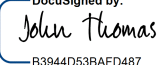
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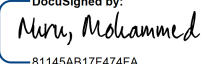
John Thomas
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Required hardware and software

Operating Systems:	Windows2000? or WindowsXP?
Browsers (for SENDERS):	Internet Explorer 6.0? or above
Browsers (for SIGNERS):	Internet Explorer 6.0?, Mozilla FireFox 1.0, NetScape 7.2 (or above)
Email:	Access to a valid email account
Screen Resolution:	800 x 600 minimum
Enabled Security Settings:	<ul style="list-style-type: none"> •Allow per session cookies •Users accessing the internet behind a Proxy Server must enable HTTP 1.1 settings via proxy connection

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