

SECTION 01 35 03

CONSERVING DISTINCTIVE SIDEWALK ELEMENTS

PART 1 - GENERAL

1.1 SUMMARY

- A. This section includes special project conditions the contractor shall follow during construction for compliance with City regulations for the preservation of existing granite (granodiorite) curb, and existing surficial bricks and cobblestones.
- B. The requirements in this Section are incidental work to the respective Mobilization Bid Item that the work pertains to, unless noted otherwise.

1.2 RELATED SECTIONS

- A. 01 21 50 Mobilization
- B. 01 74 50 Construction & Demolition Debris Recovery Plan and Reporting Requirements
- C. 02 41 00 Demolition

1.3 REFERENCES

- A. National Register of Historic Places. Available at
<https://www.nps.gov/subjects/nationalregister/database-research.htm>
- B. California Register of Historical Resources. Available at
http://ohp.parks.ca.gov/?page_id=21238
- C. San Francisco Planning Code Articles 10
https://codelibrary.amlegal.com/codes/san_francisco/latest/sf_planning/0-0-0-27871
and Article 11
https://codelibrary.amlegal.com/codes/san_francisco/latest/sf_planning/0-0-0-28705
- D. Public Works Order No: 200369
https://sfpublicworks.org/sites/default/files/Order_200369_-_Exp_Standard_Paving_Order.pdf
- E. Public Works Order No: 201954
<https://sfpublicworks.org/sites/default/files/Order201954.pdf>

1.4 DEFINITIONS

- A. Historic districts: districts labeled as historic districts on as listed on the EIR and cited on the project plans.
- B. (PAR): pedestrian accessible route

1.5 REQUIREMENTS

- A. 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.
- B. 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, submitted to the Department, and/or shown in an exhibit within the specifications for work proposed within the public right-of-way which involves demolition of existing curb and/or gutter. The Contractor is hereby informed that the following limits of work are located within a Landmark and/or Conservation Historic District, National Register Historic District, or California Register Historic District:
 - 1. None
- C. Granite curb within the boundaries of a historic district shall only be replaced with concrete curb for linear granite curb sections less than four feet long, as part of the curb ramp construction, or as part of new linear and radius curb sections of new curb corner extensions ("bulb-outs"). No granite, cobblestones, or brick gutter shall be restored within a pedestrian accessible route (PAR) (see Public Works Order No: 200369).

Except as noted above 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 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. Existing granite curb in good condition shall be reset to new grade. If existing granite curb is damaged, contractor shall notify the City Representative.

- D. 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 moved 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.

- E. 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:

1. Material: Stone curb shall be made from California Granite, free from defects or flaws that might impair its usefulness as curb.
2. Dimensions: Each piece of curb shall be at least 4 feet long, 6 inches thick at top and bottom, and 16 inches deep.
3. 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.

- F. 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.

- G. 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 Maura Wayne at (415) 725-1527 and Jacob Nicol at (415) 725-1506, contractor needs to provide minimum forty-eight (48) hours prior notice, and delivery is limited to Monday through Friday 8:00 a.m. to 2:00 p.m. Contractor shall bring their own forklift for unloading.

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 Maura Wayne at (415) 725-1527 and Jacob Nicol at (415) 725-1506, contractor needs to provide minimum forty-eight (48) hours prior notice, and delivery is limited to Monday through Friday 8:00 a.m. to 2:00 p.m. Contractor shall bring their own forklift for unloading.

All distinctive sidewalk elements such as brick surfacing, brick gutters, granite curbs, cobblestones, non-standard sidewalk scoring and streetscape elements that appear to be 45 years or older) will be treated as potentially character defining features of their respective historic districts.

- H. Historic materials shall be protected in place, salvaged and re-installed, or replaced in kind to match the character of the existing condition as shown on the plans and/or found in place.
- I. Contractor shall avoid damaging and protect in place any features described above and shall notify the City Representative of any feature not identified on the plans that is in conflict with the proposed work.

1.6 QUALITY ASSURANCE

- A. The City will inspect and monitor Contractor's adherence to the requirements specified herein and will report on Contractor's compliance.
- B. Said inspection, monitoring, and reporting activities may include, but are not limited to, qualitative, quantitative and photographic observations.
- C. The Contractor shall cooperate with such inspection and monitoring activities, provide access to the Work site to make its facilities and records available to the City for performing such monitoring.
- D. The City will issue a Non-Compliance Notice to Contractor for any detected non-compliance with the provisions herein and the corrective action to be taken.

1.7 DAMAGES FOR FAILURE TO MEET REQUIREMENTS

- A. The Contractor shall be liable for all fines, penalties, liquidated damages and costs arising from any failure to preserve distinctive sidewalk elements.

PART 2 – PRODUCTS (Not Used)

PART 3 – EXECUTION (Not Used)

END OF SECTION