

West Marina Improvements Project JARPA Exhibits



Legend:

- Highway
- Major Street
- Bridge

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 PLOT DATE: Oct 07, 2009 - 12:45pm
 PLOTTED BY: psmith

WINZLER KELLY <small>117 Montgomery Street, Suite 700, San Francisco, CA 94104-1112 415.398.1790 • 415.398.1790 • www.wk-kelly.com</small>	SAN FRANCISCO REC & PARKS DEPARTMENT WEST MARINA IMPROVEMENTS PROJECT JARPA EXHIBITS		
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 PLOT DATE: Oct 02, 2009 - 12:48pm
 PLOTTED BY: pmetz

Project Site and Design Intent

The San Francisco Marina is located on the Northern Waterfront of the City of San Francisco in an area known as the Marina District. The Marina is approximately one and one-half miles east of the Golden Gate Bridge and just west of Fort Mason. The marina is located on property under the jurisdiction of the San Francisco Recreation and Park Department. The marina adjoins lands of the Golden Gate National Recreation Area (GGNRA) both to the East (Lower Fort Mason) and to the West (Crissy Field).

The San Francisco Marina is composed of two harbors, known as East Harbor (also known Gashouse Cove) and West Harbor. The East Harbor consists of 342 boat slips, the City Yachts sales and fuel concession, and parkland, which includes a restroom and two parking lots. The West Harbor consists of the West Harbor marina, the Saint Francis and Golden Gate Yacht Clubs, the Harbor Office Building, and parkland that includes restrooms, a concession stand, and four parking lots. There are currently approximately 322 berths in the West Harbor.

The harbor's original design capacity of 344 has been reduced over the years by storm damage and general deterioration.

The Marina Green, a part of the marina and a major city park, is situated between the East and West Harbors.

Conditions Today

The San Francisco Marina facilities have existed in their present configuration since 1963. The floating docks and gangways are made of timber and have degraded over time. The on-dock utilities have degraded as well to a poor condition.

Project Objectives and Plans

The San Francisco Marina Renovation Project consists of renovations to facilities in both the East and West Harbors of the San Francisco Marina, however the current portion of the work involves renovation of the west harbor only. The project includes waterside improvements over the entire 39-acre waterside portion of the marina and limited

upland improvements. Upland improvements such as renovation of the 700-square-foot former U.S. Navy Degaussing Station, for use as a new Harbor Office, may be undertaken at a later date. Funding is in place to implement Phase I of the project, renovation of the West Harbor.

Proposed waterside marina renovations in the West Harbor include:

- two new breakwaters including a 300-foot long floating breakwater and a 150-foot long fixed breakwater
- removal of all or a portion of two land masses (moles): the entire Scott Street mole and a portion of the west mole (stone masonry walls and land mass immediately west of the harbormaster's office)
- reconstruction of portions of the degraded riprap slopes around the interior shorelines
- replacement and reconfiguration of the floating docks and slips
- renovation of existing sanitary pump-out facility
- construction of a dedicated guest dock and hand boat launch

Improvements will also include upgrades in electrical service, water system, and fire protection systems, installation of new lights throughout harbor, and replacement of gates, ramps and gangways. Improved ADA accessibility to the floating docks will also be included as part of this project.

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1

Adjacent seawall and public walk



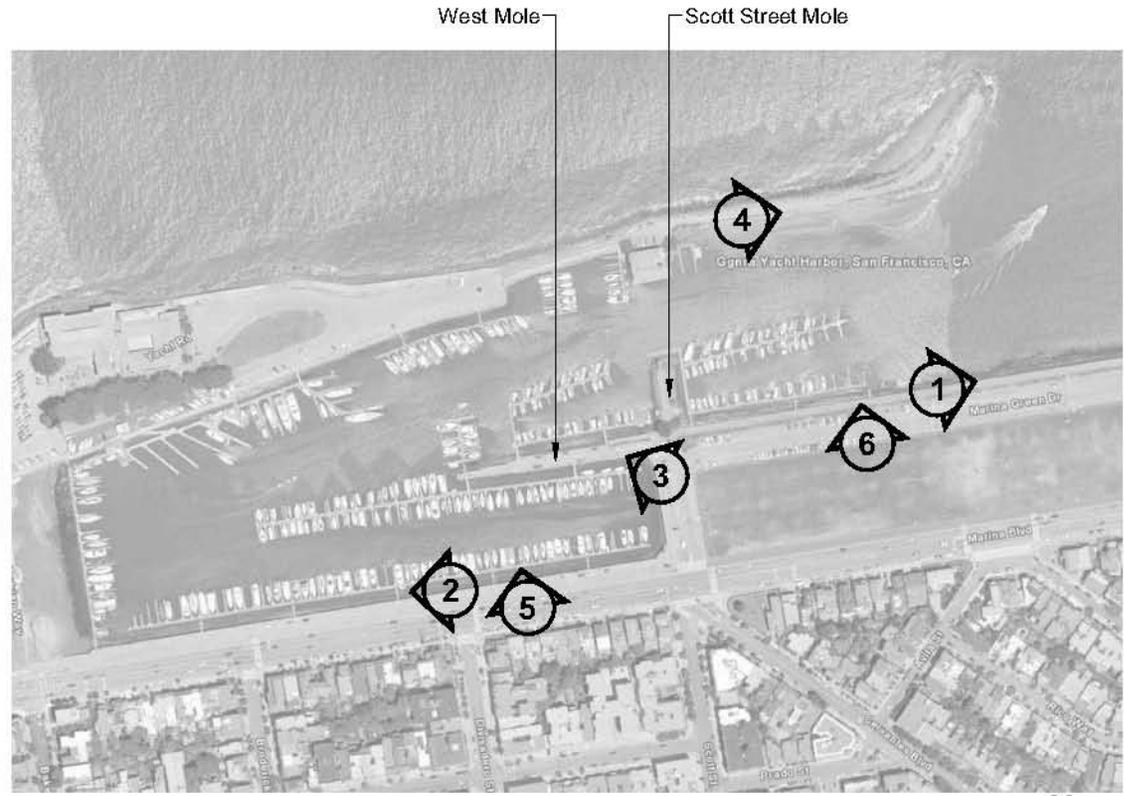
2

Seawall, public walk, and floats



3

Harbormaster office



West Marina Existing Conditions Site Plan



4

Public access and walk on the north side of the marina



5

Closed gangway access to the boat slips due to deterioration



6

Marina entrance to the east

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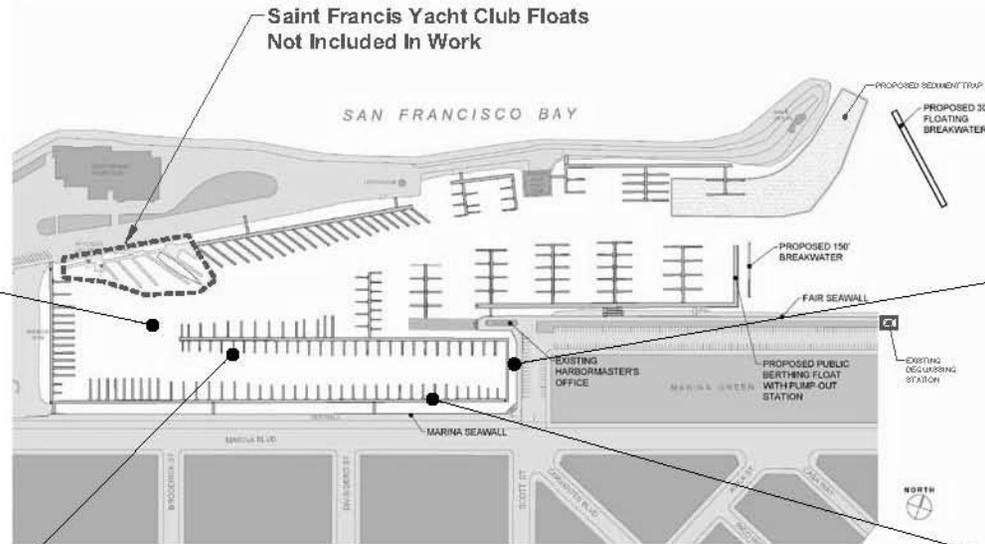
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Dock Layout



Finger Float



West Marina Proposed Berths & Docks Plan



Typical Dock Gangway



Typical Float

Additional Proposed Improvements

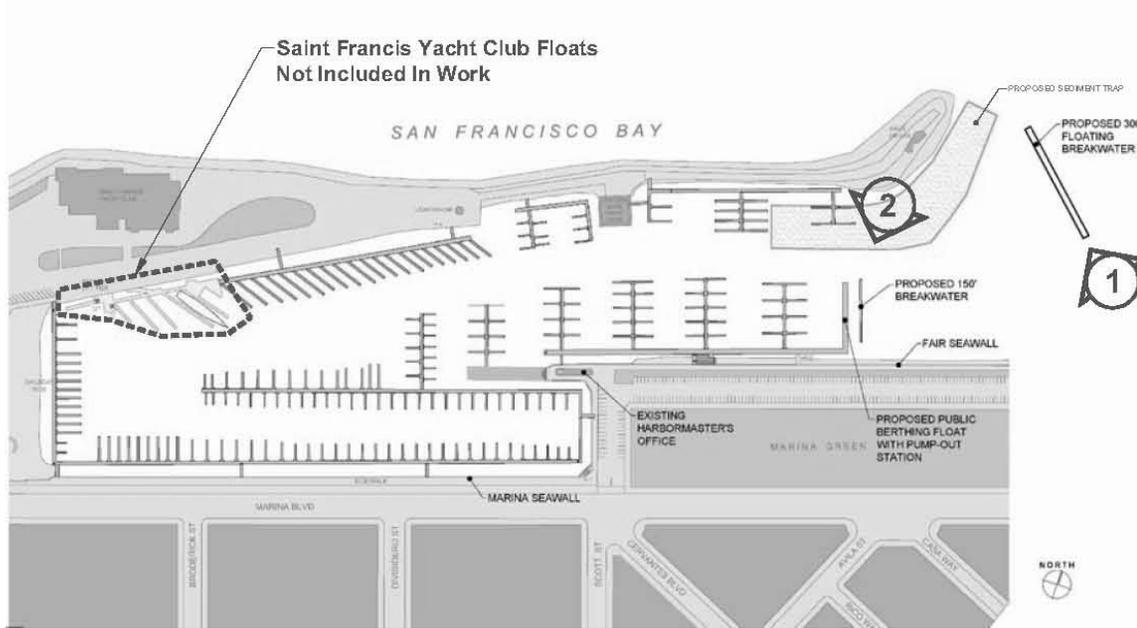
West Harbor renovation will include the installation of upgraded electrical, water and telephone service, a new fire suppression system, and new security lighting service on all docks.

Proposed Improvements Subject to Funding

- Remodel the existing Degaussing Station building for the relocating of the harbor office.
- Addition of a guest dock (location yet to be determined).
- Addition of a hand boat launch (location yet to be determined).

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Breakwaters Location Plan



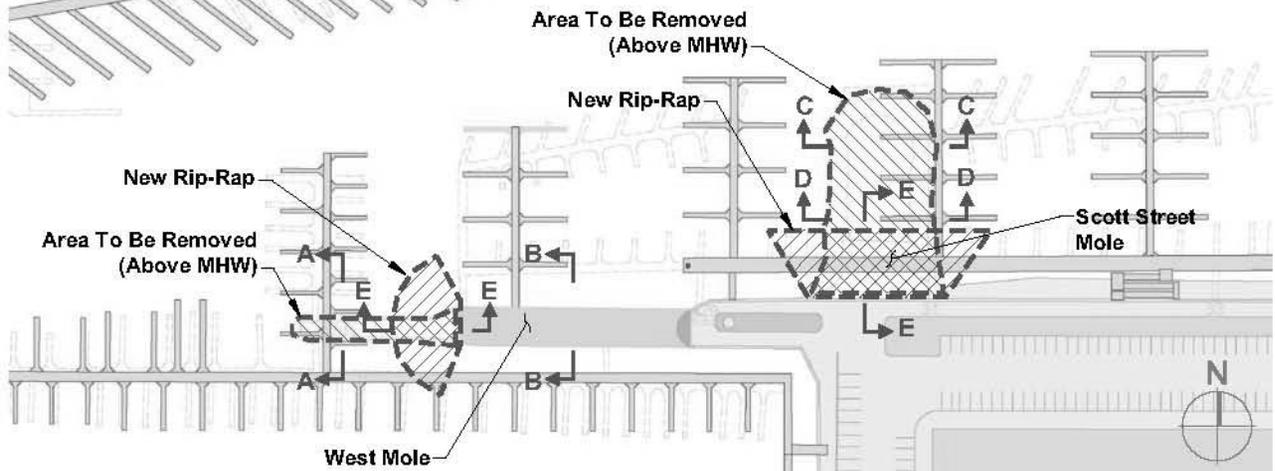
Typical Floating Breakwater



Typical Fixed Breakwater

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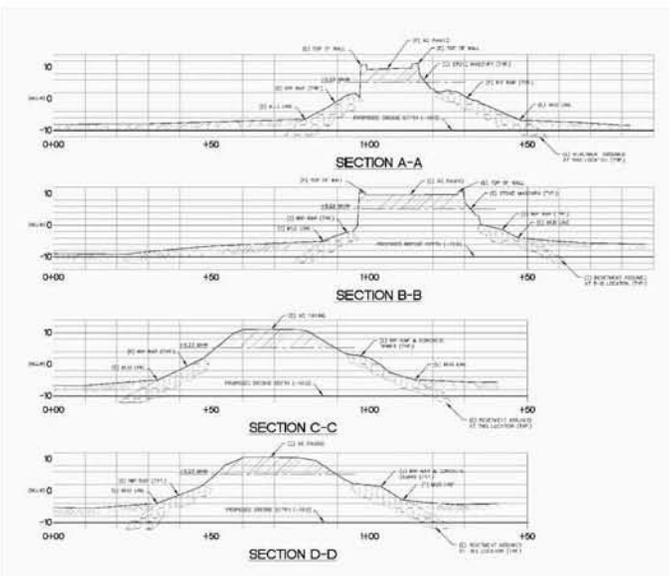
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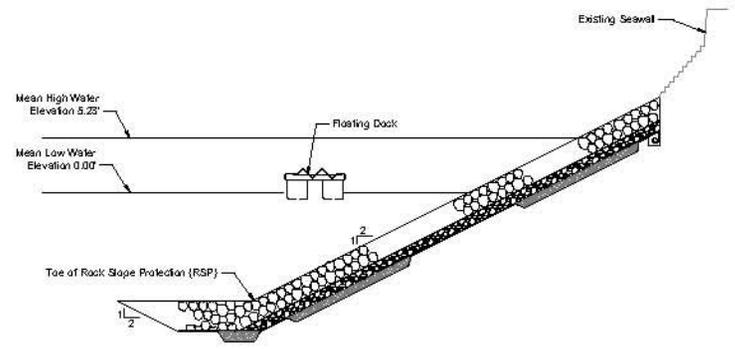
Proposed Bank Stabilization Plan

Quantities Summary

New Rip Rap Area = ~ 3300 Square Feet
 New Rip Rap Volume = ~ 6100 Cubic Feet
 Area To Be Removed = ~ 3200 Square Feet



Sections of Existing Bank Conditions



Bank Stabilization Section E-E

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Public Directional Signage

Public Directional Signage

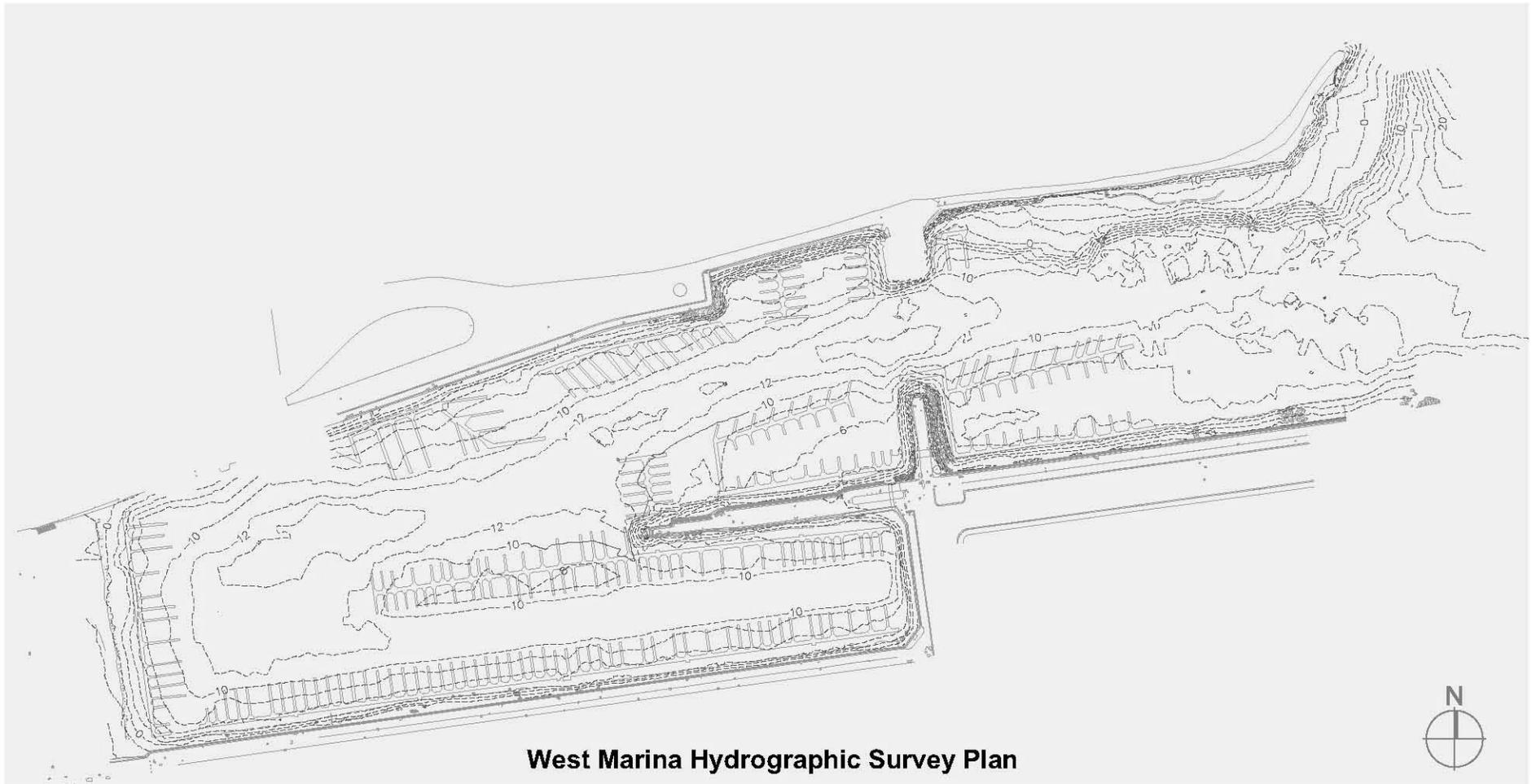
The unique and significant history of the site will be identified and explained by a series of interpretive style signs.

Directional signs will encourage wider public access throughout the marina including the jetty, "last chance beach", and the unique but under visited "wave organ" located at the end of the jetty.

The many historic and unique aspects of the area around the marina will be identified and signs will be placed to aid visitors in identifying visual sights available from viewpoints at the marina.

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West Marina Hydrographic Survey Plan

Notes:

- Vertical datum is Mean Lower Low Water (MLLW).
- Original survey was prepared May 2009 with supplemental surveys were performed July and August 2009.

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