Figure 1. Original design of seawall, construction begun 1878. T.J. Arnold, Engineer of Seawall. Source: Crane 1882:n.p.

Figure 2. Modified design of seawall, construction begun 1909. H.J. Brunnier, Engineering Department. Source: Newman 1915:326.

Figure 3. Aerial Photograph of Waterfront. 2001. Source: Port of SF 2006

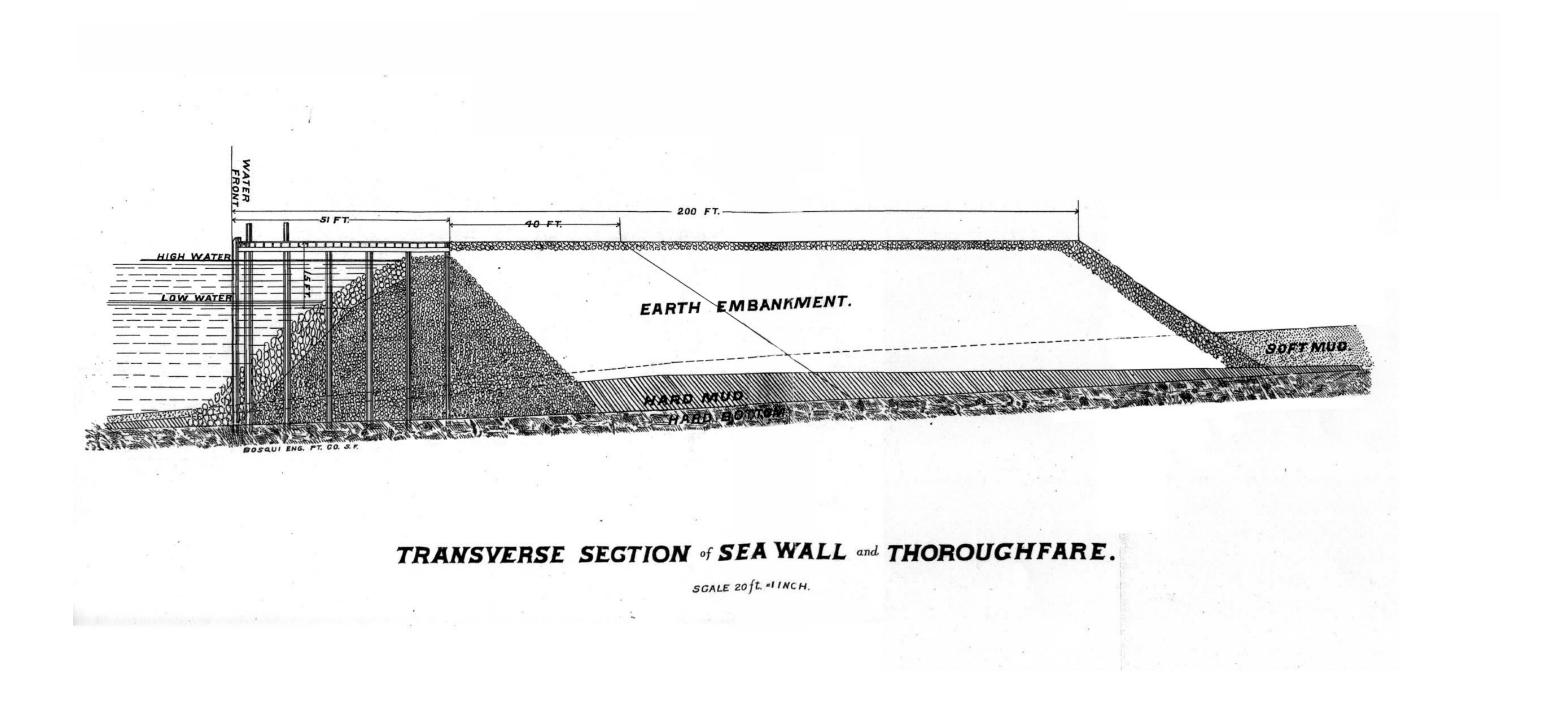


Figure 1. Original design of seawall, construction begun 1878. T.J. Arnold, Engineer of Seawall. Source: Crane 1882:n.p.

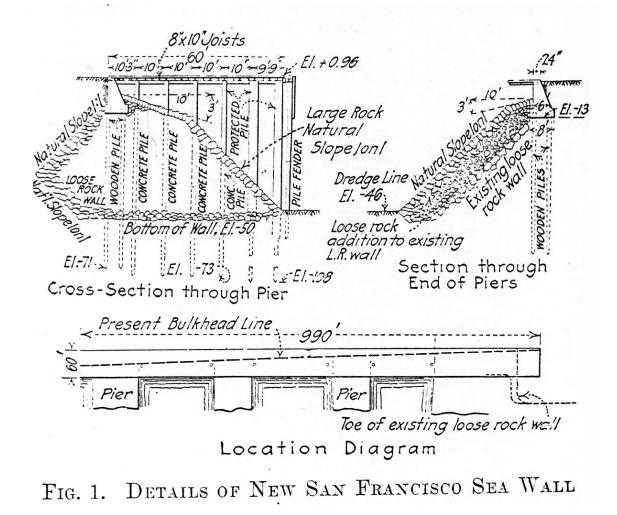
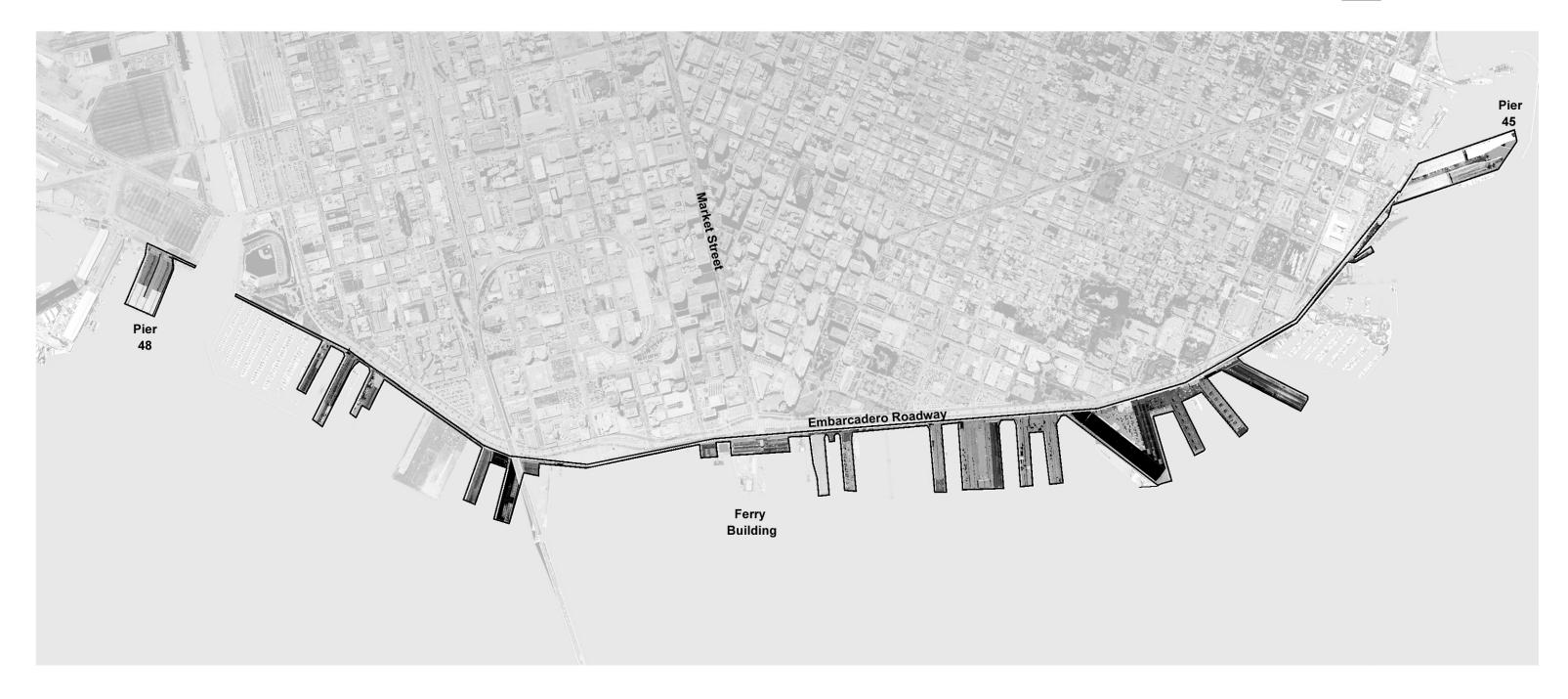
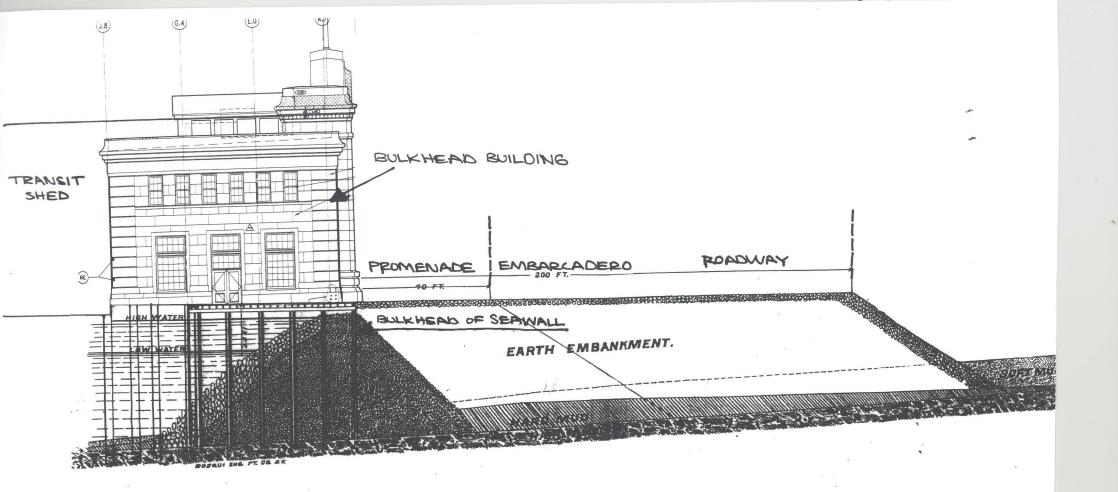


Figure 2. Modified design of seawall, construction begun 1909. H.J. Brunnier, Engineering Department. Source: Newman 1915:326.

Figure 3 AERIAL VIEW EMBARCADERO NATIONAL REGISTER HISTORIC DISTRICT (Pier 45 to Pier 48 at China Basin) Source: Port of San Francisco - 2002



Historic District Boundary



TRANSVERSE SEGTION of SEA WALL and THOROUGHFARE.

SGALE 20 ft -1 INCH.

BULKHEAD WHARF CONDITIONS

WITH A PIER

Figure 1. Original design of seawall, construction begun 1878. T.J. Arnold, Engineer of Seawall. Source: Crane 1882:n.p.

EXHIBIT 3 BULKHEAD WHARF AND SEAWALL LOCATION BY SECTION Embarcadero National Register Historic District (Pier 45 - 48 at China Basin)

Source: Board of State Harbor Commissioners 1924 Biennial Report

Legend

Section B - 1000' between Taylor and Powell Streets - Constructed 1914.

Section A - 561' between Powell and Stockton Streets - Constructed in two parts in 1914.

Section 1 - 1000' between Stockton and Kearny Streets - Constructed in two parts in 1913-14 & 1914-15.

Section 2 - 1000' between North Point and Francisco Streets - Constructed in two parts in 1914-16 & 1917-19.

Section 3 - 1000' between Francisco and Lombard Streets - Constructed in three parts in 1915-16, 1917-18 & 1918-19.

Section 4 - 1000' between Lombard and Union Streets - Constructed in two parts in 1920 and 1921-22.

Section 5 - 1000' between Union and Vallejo Streets - Constructed in four parts in 1912-13, 1914-15, 1921-22 & 1930-31.

Section 6 - 800' between Vallejo and Pacific Streets - Constructed in three parts in 1916-17, 1917 & 1920.

Section 7 - 980' between Pacific and Clay Streets - Constructed in six parts in 1894-95, 1909, 1916, 1920, 1921-22 & 1929-30. Section 8a - 392 ' between Clay and Market Streets - Constructed 1894-95.

Section 8b - 450' between Market and Mission Streets - Constructed 1915. Section 8 - 300' between Mission and point north of Howard Streets - Constructed 1915. Section 9 - 990' south of Mission to Folsom Street - Constructed in two parts in 1909-10. Section 10 - 537' north of Beale to Main Street- Constructed 1910-11. Section 11a - 281' south of Main to Beale Street - Constructed 1912-14. Section 11 - 353' north of Beale to Fremont Street - Constructed 1909-10. Section 12 - 1167' between Fremont and King Streets - Constructed in two parts in 1909. Section 13 -600' between King and Berry Streets -Constructed in two parts in 1917-18 & 1935-36. Pier 46 Section - 236' between Berry Street and China Basin Channel - Constructed in 1914. Pier 48 Section - 500' north side of Pier 50 to China Basin Channel - Constructed 1928-29.



- Section 9a 990' south of Mission to Folsom Street Constructed 1913 and demolished in 1975 and 1983.
- Section 9b 788' between Folsom and Harrison Streets Constructed 1913, all but 60' was demolished in 1983.

BOARD OF STATE HARBOR COMMISSIONERS MAP OF THE WATER FRONT

SAN FRANCISCO FROM

THE PRESIDIO TO CENTRAL BASIN

1924

CHAS. H. SPEAR M.F. COCHRANE J.B. SANFORD COMMISSIONERS

FRANK G. WHITE CHIEF ENGINEER Paez/Historic Pier 41-50 seawall-1jpg