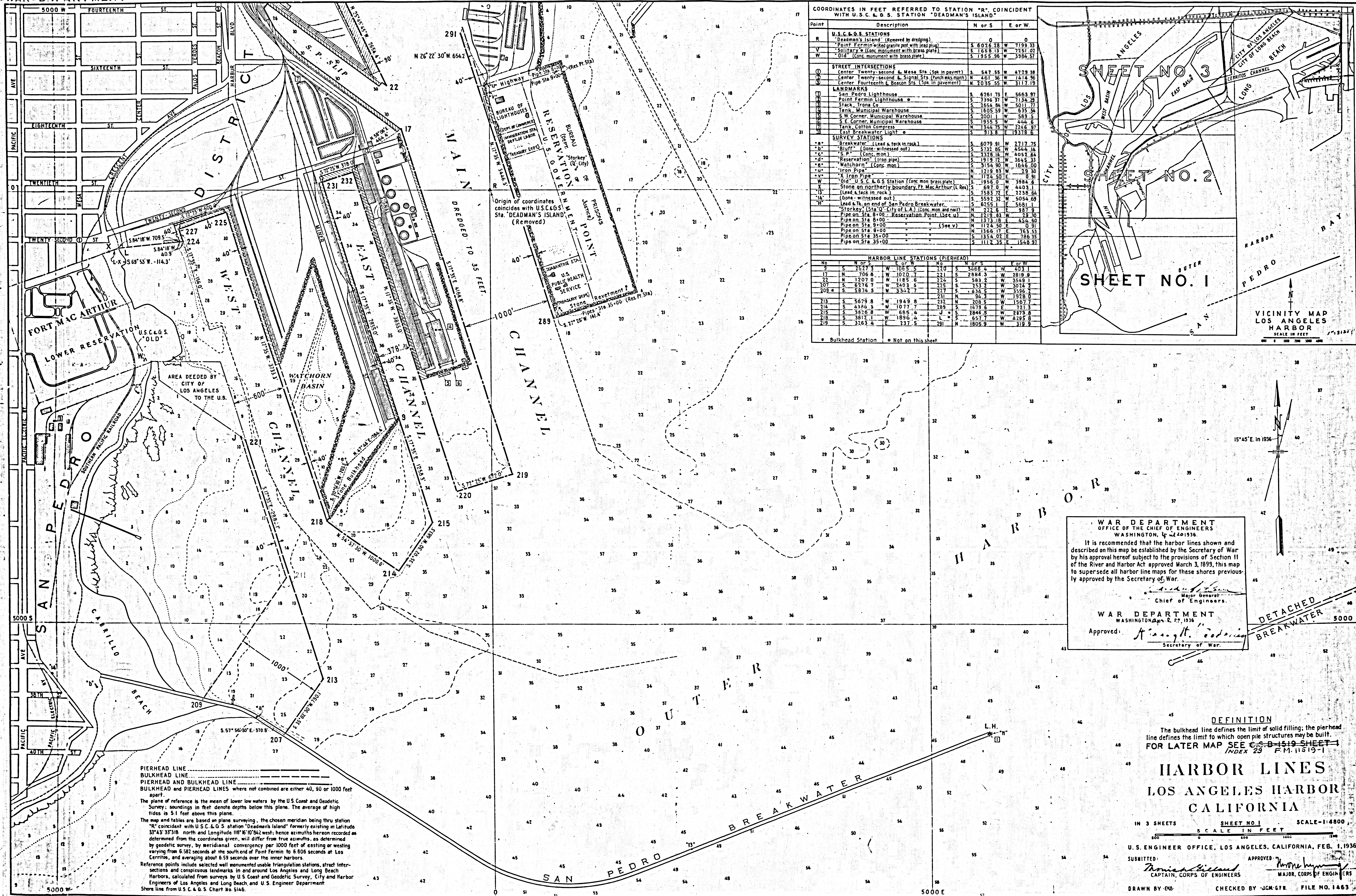
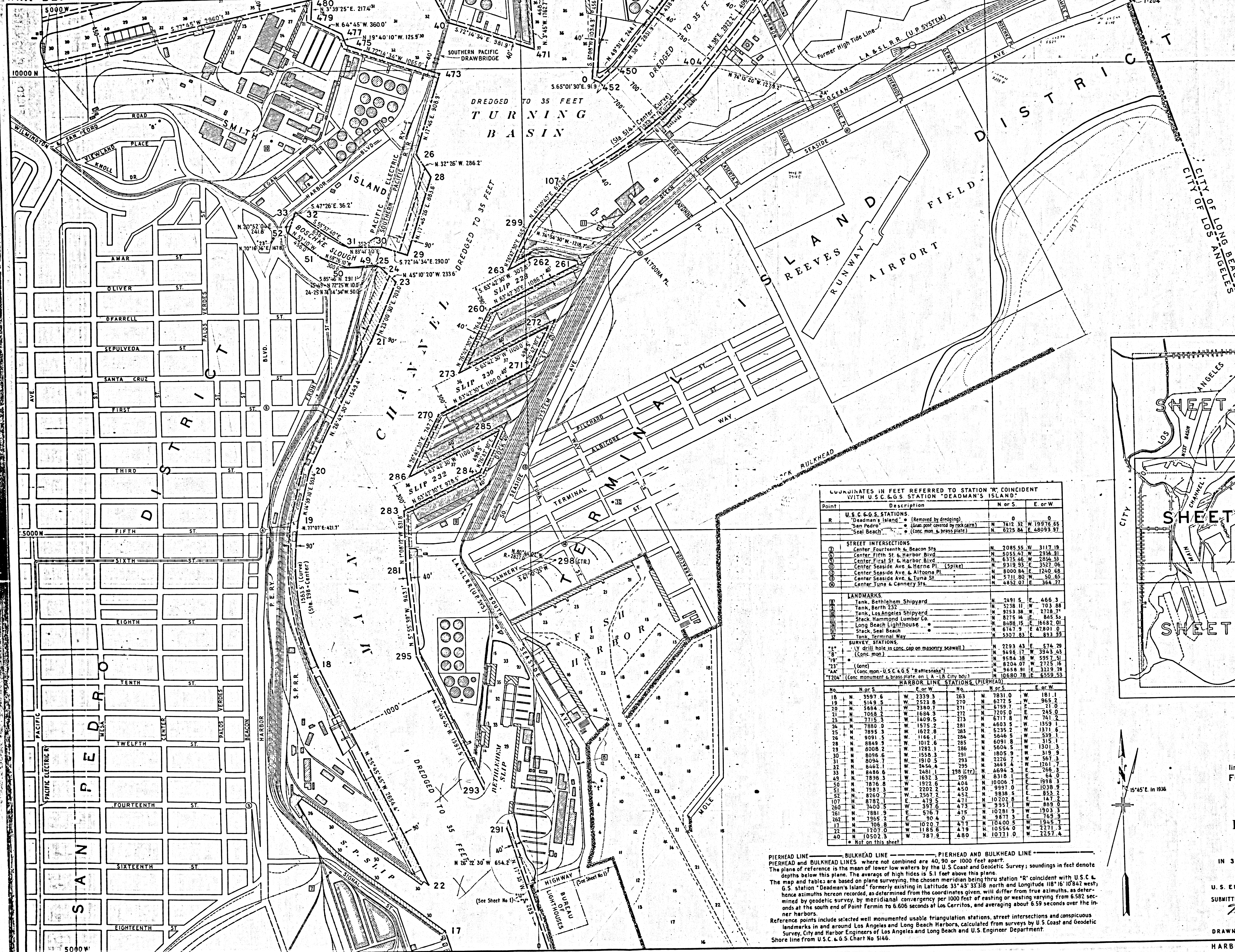




F.M. 11257-1

WAR DEPARTMENT



WAR DEPARTMENT
OFFICE OF THE CHIEF OF ENGINEERS
WASHINGTON, D. C. 20315

It is recommended that the harbor lines shown and described on this map be established by the Secretary of War by his approval hereof subject to the provisions of Section 11 of the River and Harbor Act approved March 3, 1899, this map to supersede all harbor line maps for these shores previously approved by the Secretary of War.

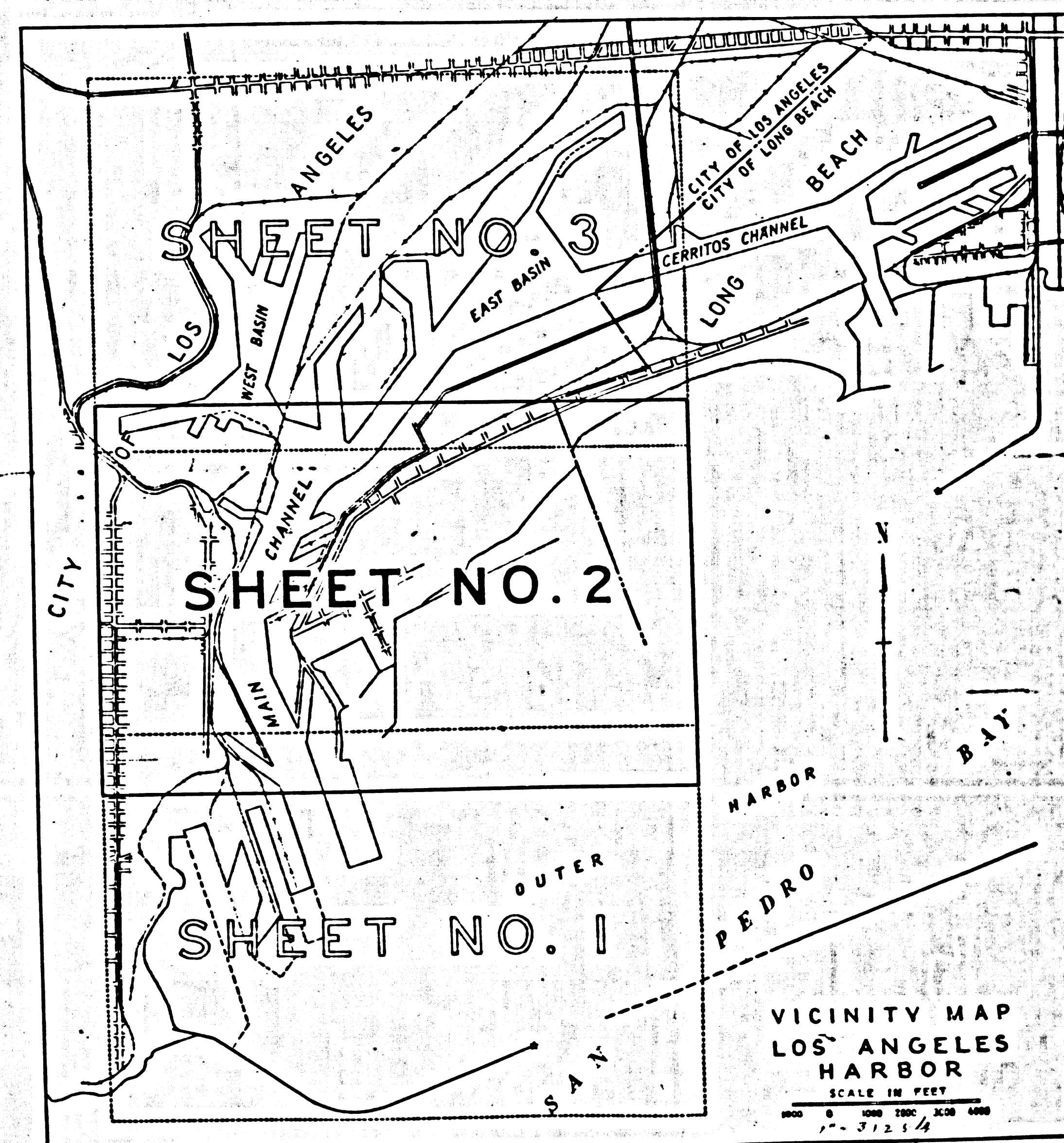
Major General
Chief of Engineers.

WAR DEPARTMENT
WASHINGTON, D. C. 20315

Approved: *Wm. H. L. ...*
Secretary of War.

COORDINATES IN FEET REFERRED TO STATION "R" COINCIDENT WITH U.S.C. & G.S. STATION "DEADMAN'S ISLAND"					
Point	Description	N or S	E or W		
U.S.C. & G.S. STATIONS					
R	"Deadman's Island"			0	
	• "San Pedro"	(Removed by dredging)	N 7412.32	W 19976.6	
	• "Seal Beach"	(Gran post covered by rock cairn)	N 6275.84	E 48099.9	
		(Conc. mon. & brass plate)			
STREET INTERSECTIONS					
①	Center Fourteenth & Beacon Sts.	N 2085.55	W 3117.19		
②	Center Fifth St. & Harbor Blvd.	N 5052.47	W 2934.9		
③	Center First St. & Harbor Blvd.	N 6375.46	W 2854.5		
④	Center Seaside Ave. & Herne Pl. (Spoke)	N 9318.93	E 3527.0		
⑤	Center Seaside Ave. & Altoona Pl.	N 9000.84	E 1240.6		
⑥	Center Seaside Ave. & Tuna St.	N 5711.80	W 50.6		
⑦	Center Tuna & Cannery Sts.	N 4852.07	E 364.2		
LANDMARKS					
⑧	Tank, Bethlehem Shipyard	N 2491.5	E 466.6		
⑨	Tank, Berth 232	N 2538.17	W 703.7		
⑩	Tank, Los Angeles Shipyard	N 9253.38	W 2728.7		
⑪	Stack, Hammond Lumber Co.	N 8275.14	E 845.5		
⑫	Long Beach Lighthouse	N 8488.15	E 16582.0		
⑬	Stack, Seal Beach	N 4747.9	E 47801.0		
⑭	Tank, Terminal Way	N 5307.83	E 893.9		
SURVEY STATIONS					
15	(V. drill hole in conc. cap on masonry seawall)	N 2293.43	E 574.2		
16	(Conc. mon.)	N 9496.17	W 3943.4		
17	(Conc. mon.)	N 9584.38	W 5957.5		
18	(Conc. mon.)	N 9204.07	W 2725.1		
19	(Conc. mon.)	N 9658.91	E 3229.2		
20	(Conc. mon. & U.S.C. & G.S. "Battlesnake")	N 10680.78	E 6559.5		
HARBOR LINE STATIONS (PIERHEAD)					
No.	N or S	E or W	No.	N or S	E or W
18	N 3597.6	W 2339.3	263	N 7831.0	W 181.1
19	N 5149.5	W 2523.0	270	N 6272.5	W 965.2
20	N 5684.1	W 2380.7	271	N 5759.7	W 17.9
21	N 7058.2	W 1684.3	272	N 7205.0	W 245.0
22	N 7715.3	W 1409.5	273	N 6717.8	W 741.2
23	N 7880.0	W 1575.2	281	N 4603.5	W 1559.1
24	N 7895.3	W 1622.0	283	N 5235.2	W 1371.1
25	N 9091.5	W 1166.1	284	N 5646.5	W 539.1
26	N 8849.9	W 1012.6	285	N 6091.8	W 315.1
27	N 8008.2	W 1282.1	286	N 5604.5	W 1301.1
28	N 8096.6	W 1558.3	291	N 1805.9	W 319.9
31	N 8094.7	W 1910.5	293	N 2226.7	W 567.3
32	N 8462.1	W 2454.4	295	N 3665.4	W 1761.7
33	N 8486.6	W 2481.1	298 (Tr)	N 3694.3	E 266.6
49	N 7838.3	W 1632.3	299	N 8318.1	E 64.4
50	N 7876.8	W 1922.6	304	N 10006.7	E 1998.8
51	N 7981.3	W 2202.5	452	N 9997.0	E 1038.9
52	N 8260.7	W 2567.2	471	N 3838.5	E 852.2
107	N 8787.1	E 479.5	475	N 10702.8	E 147.2
260	N 7400.5	W 397.6	477	N 9551.7	W 889.0
261	N 7881.9	E 576.7	479	N 10281.3	W 1903.3
262	N 7955.2	E 90.4	0	N 8871.3	E 763.9
263	N 706.1	W 1070.7	477	N 10404.0	W 194.5
270	N 12707.0	W 1185.6	479	N 10554.0	W 2271.1
42	N 10502.3	W 787.9	480	N 10771.0	W 2257.4

PIERHEAD LINE — BULKHEAD LINE — PIERHEAD AND BULKHEAD LINE —
PIERHEAD AND BULKHEAD LINES where not combined are 40, 90 or 1000 feet apart.
The plane of reference is the mean of lower low waters by the U.S. Coast and Geodetic Survey; soundings in feet denote depths below this plane. The average of high tides is 5.1 feet above this plane.
The map and tables are based on plane surveying, the chosen meridian being thru station "R" coincident with U.S.C. & G.S. station "Deadman's Island" formerly existing in Latitude 33° 43' 33.38" north and Longitude 118° 16' 10.842" west; hence azimuths hereon recorded, as determined from the coordinates given, will differ from true azimuths, as determined by geodetic survey, by meridional convergence per 1000 feet of easting or westing varying from 6.582 seconds at the south end of Point Farmin to 6.606 seconds at Los Cerritos, and averaging about 6.59 seconds over the inner harbors.
Reference points include selected well monumented usable triangulation stations, street intersections and conspicuous landmarks in and around Los Angeles and Long Beach Harbors, calculated from surveys by U.S. Coast and Geodetic Survey, City and Harbor Engineers of Los Angeles and Long Beach and U.S. Engineer Department.
Shore line from U.S.C. & G.S. Chart No. 5146.



DEFINITION
The bulkhead line defines the limit of solid filling; the pierhead line defines the limit to which open pile structures may be built.
FOR LATER MAP SEE U.S.C. & G.S. SHEET INDEX 28-29 F.M. 11519-2

HARBOR LINES
LOS ANGELES HARBOR
CALIFORNIA

IN 3 SHEETS SHEET NO. 2 SCALE 1" = 4800'

U.S. ENGINEER OFFICE, LOS ANGELES, CALIFORNIA, FEB. 1, 1935

SUBMITTED: *Thomas E. ...*
CAPTAIN, CORPS OF ENGINEERS

APPROVED: *Wm. H. L. ...*
MAJOR, CORPS OF ENGINEERS

DRAWN BY: *...* CHECKED BY: JCM:67E FILE NO. 1463

HARBOR LINES, LOS ANGELES HARBOR, CALIFORNIA