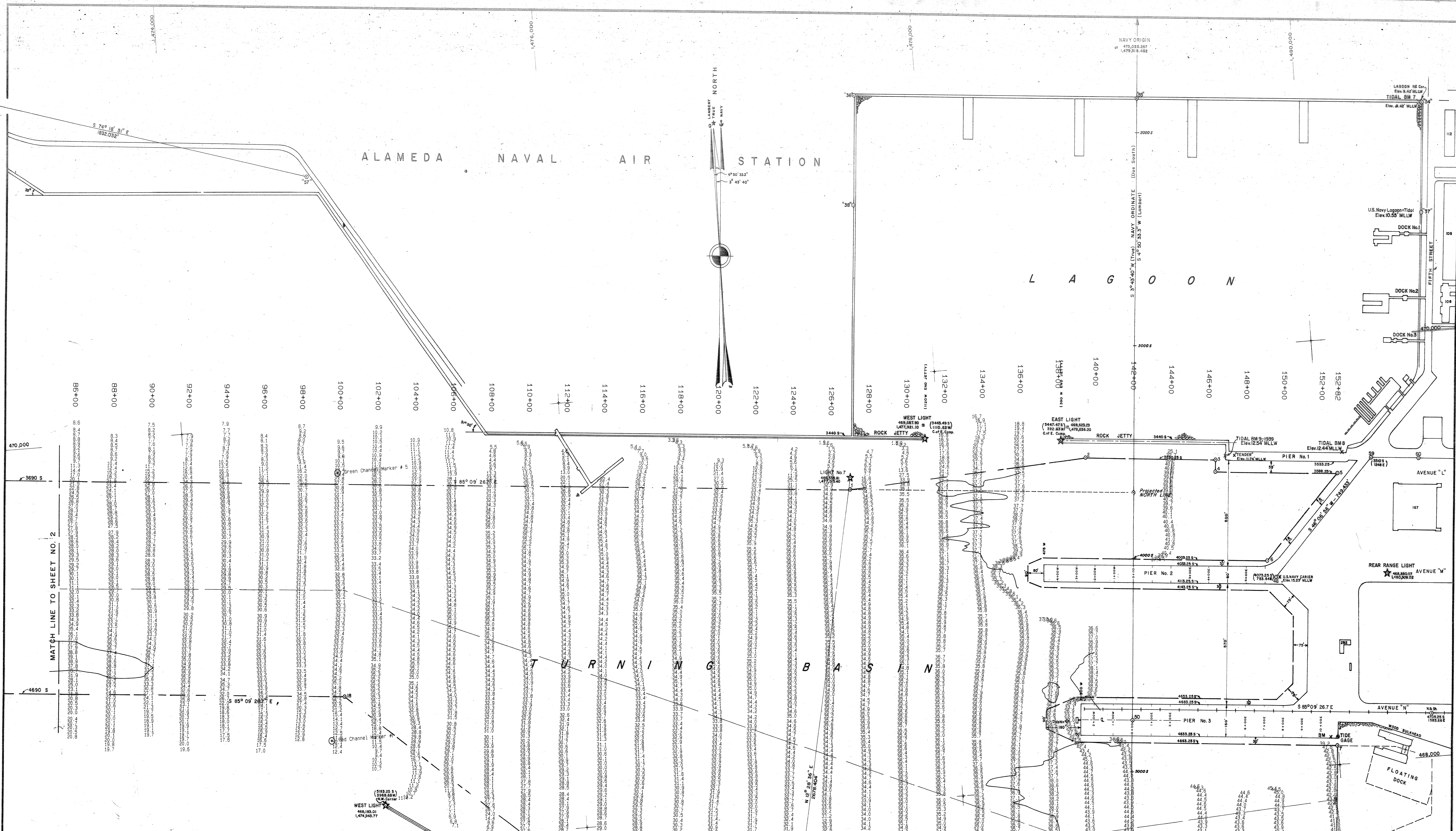
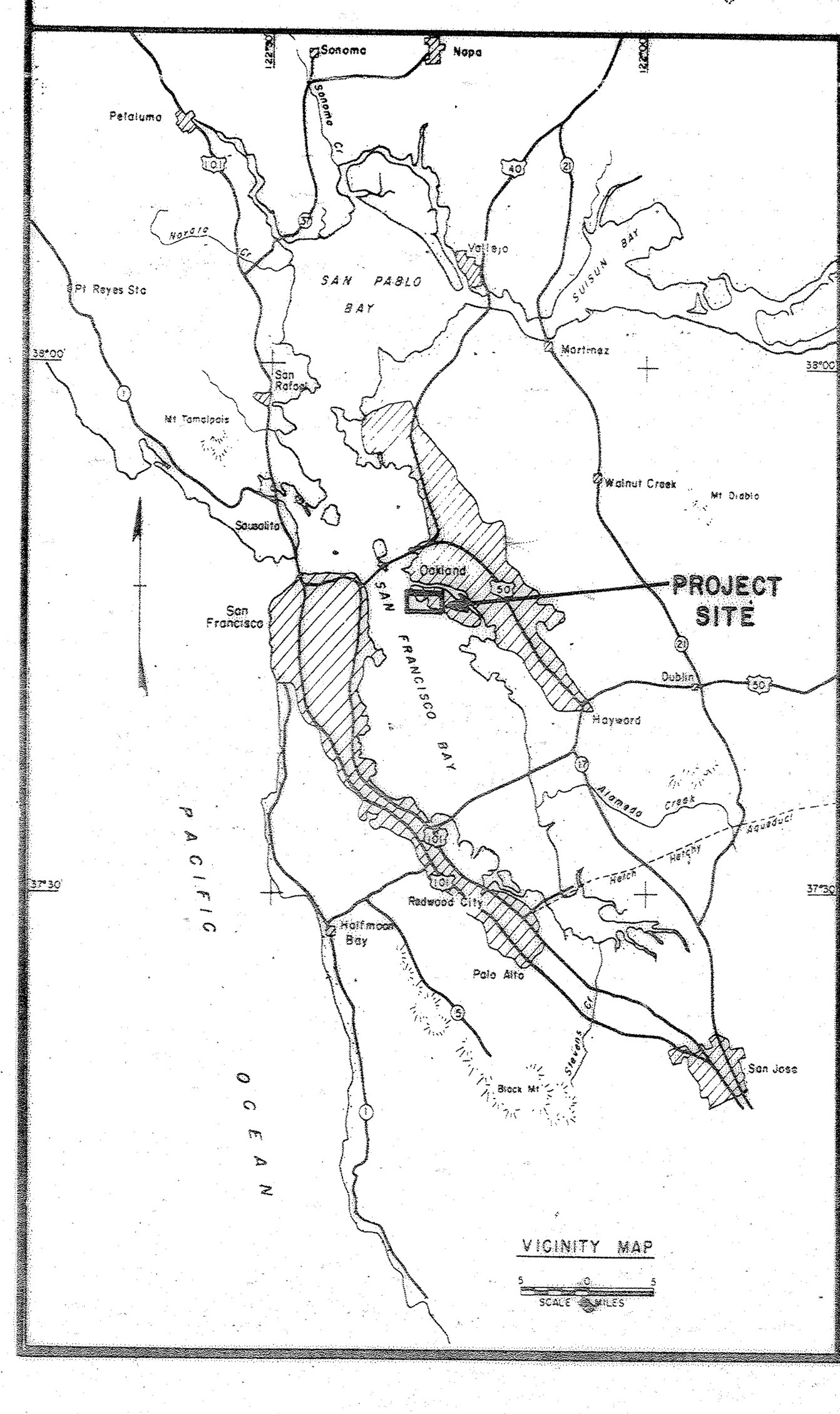




POINT	LAMBERT COORDINATES NORTH (Zone 3)	EAST	NAVY COORDINATES		
Channel △ 1	469,475.043	1,477,512.298	3690 S	1500 W	
" " 2	469,529.122	1,478,766.349	3530.25 S	255 W	
" " 3	469,471.295	1,479,448.909	3530.25 S	430 E	
" " 4	469,413.502	1,479,444.013	3588.25 S	430 E	
" " 5	469,358.966	1,480,087.722	3588.25 S	1076.01 E	
" " 6	468,976.194	1,479,689.746	4003.25 S	711.77 E	
" " 7	468,087.410	1,479,993.072	4863.25 S	1089.04 E	
" " 8	467,584.209	1,479,950.440	5368.25 S	1089.04 E	
" " 9	467,444.053	1,479,451.784	5550 S	604 E	
" " 10	467,318.710	1,478,443.757	5760 S	390 W	
" " 11	467,013.910	1,477,916.140	6108.25 S	890 W	
" " 12	467,048.944	1,477,502,618	6108.25 S	1305 W	
" " 13	466,583.857	1,477,463.215	6575 S	1305 W	
" " 14	466,613.826	1,477,109.480	6575 S	1660 W	
" " 15	467,057.241	1,477,147.046	6130 S	1660 W	
" " 16	467,066.105	1,477,042.420	6130 S	1765 W	
" " 17	467,771.693	1,475,939.883	5520 S	2923 W	
Channel △ 18	468,703.751	1,474,770.385	4690 S	4167 W	
NAVY ORIGIN	473,025.264	1,479,318.460	0.00	0.00	
ORANGE TARGET ◆	467,835.065	1,481,313.751	5003.20 S	2426.30 E	
"34"	471,065.192	1,480,657.786	1840 S	1500 E	
"35"	471,191.820	1,479,163.130	1840 S	0.00	
"36"	471,318.448	1,477,668.474	1840 S	1500 W	
"37"	470,552.026	1,480,614.309	2355 S	1500 E	
"38"	470,805.283	1,477,624.998	2355 S	1500 W	
"46"	468,902.906	1,479,725.556	4073.25 S	753.64 E	
"50"	468,283.944	1,478,917.052	4758.25 S	0.28 E	
"55"	471,651.560	1,472,984.737	1903.47 S	6195.107 W	
"57"	471,156.248	1,474,748.542	2248.114 S	4395.797 W	
"59"	469,422.416	1,480,265.704	3510 S	1248 E	
"60"	469,401.142	1,480,516.806	3510 S	1500 E	
U.S.C.&G.S CENTRAL	468,898.82	1,482,723.15	3824.27 S	3740.86 E	("51")
"PAC-MAIN"	469,805.20	1,482,688.22	2924.08 S	3629.54 E	("52")

NOTES:
THE PROJECT DEPTH IS 37 FEET. AT M.L.L.W.

SURVEYED BY THE CORPS OF ENGINEERS ON
PLANE GRID, BEARINGS AND COORDINATES ARE BASED ON THE STATE OF CALIFORNIA COORDINATE SYSTEM, (LAMBERT CONFORMAL PROJECTION), ZONE III, AS DESCRIBED IN SPECIAL PUBLICATION No. 253 OF THE NATIONAL OCEAN SURVEY.

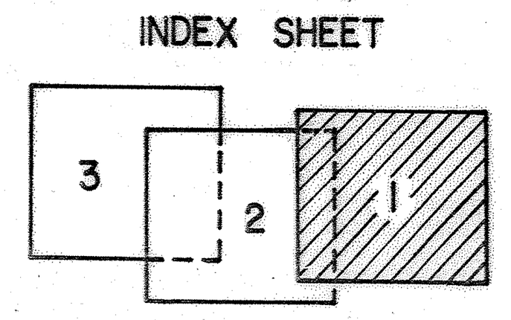
U.S.C.&G.S. BENCH MARK, TIDAL B.M. No. 8 (1939), SET IN TOP OF NORTHERLY CONCRETE CURB AT EAST END OF PIER I.
ELEV. 12.44 FT. M.L.L.W.

NAVY LOCAL GRID IS SHOWN FOR CORRELATION.

VERTICAL CONTROL
BENCHMARK "B.M. NO. 1 (1972) ELEV. 15.00 FT. MLLW.
BENCHMARK "B.M. NO. 8 (1939) ELEV. 12.46 FT. MLLW.

HORIZONTAL GPS CONTROL
COAST GUARD D-BEACON

INDEX SHEET



SYMBOL	DESCRIPTION	DATE	APPROVAL

REVISIONS

U. S. ARMY ENGINEER DISTRICT, SAN FRANCISCO
CORPS OF ENGINEERS
SAN FRANCISCO, CALIFORNIA

DRAWN BY:
TRACED BY:
CHECKED BY: TVW
SUBMITTED:

ALAMEDA COUNTY CALIFORNIA

ALAMEDA NAVAL AIR STATION

HYDROGRAPHIC SURVEY

CONDITION SURVEY

10, 14 MAY 2002

APPROVAL RECOMMENDED: [signature]
CHIEF ENGINEERING BRANCH

APPROVED: [signature]
CHIEF ENGINEERING & TECHNICAL SERVICES DIVISION

DATE: 5-21-02

PREPARED UNDER THE DIRECTION OF
TIMOTHY S. O'ROURKE
LT. COLONEL, C. E., DISTRICT ENGINEER

SCALE: 1" = 200'
JOB No.
DRAWING NUMBER
SHEET 1 of 3 | 2 | 2 | 336