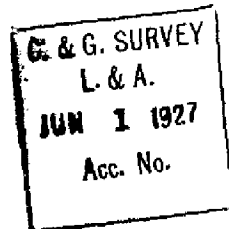


4272

Form 504	
DEPARTMENT OF COMMERCE	
U. S. COAST AND GEODETIC SURVEY	
....., Director	
<div></div>	
State: California.....	
DESCRIPTIVE REPORT	
Topographic Hydrographic	Sheet No. ⁴ 4272
LOCALITY	
San Francisco Bay	
Golden Gate Ferry, Berkeley	
1927	
CHIEF OF PARTY	
P.C. Whitney	

NOTES: PRINTING OFFICE

4272



DESCRIPTIVE REPORT TO ACCOMPANY SHEET No.4. 4272

ORDERS:

The work covered by Sheet No.4 is called for by Instructions from the Director to the Inspector, San Francisco Field Station, covering general chart revision work in the vicinity of San Francisco Bay.

GENERAL DESCRIPTION:

Sheet No.4 shows the location of the new 17000 ft. ferry wharf built by the Golden Gate Ferry Co, at the foot of University Ave., Berkeley, California. The Golden Gate Ferry Co. has a charter to operate an automobile ferry across San Francisco Bay.

The field work was extended about one mile to the southward to include changes made in the vicinity of the Peet Brothers Plant. In addition to this work, the transformer station on the Key System Transit Company's pier was located.

LANDMARKS:

The landmarks covered by this survey include the following:

The new wharf of the Golden Gate Ferry Company, which is approximately 17000 ft. long, and has two ferry slips. The roadway of the wharf is 24 ft. wide. There are at present no buildings on the wharf, but provision has been made for the building of a scale and scale house near the outer end of the wharf. At the present writing, the scale pit had been completed, but work on the scale house had not yet been started.

The wharf directly north of and alongside of the ferry wharf has been abandoned from the warehouse shed near the bend in the new wharf to the outer end, and this portion of the wharf is to be removed at an early date. On the sheet, the portion which is to remain in use is shown in full lines, while the portion to be removed is dotted.

In the vicinity of the Peet Brothers plant, about one mile south of the ferry wharf, there is a long wharf supporting a pipe line. On the wharf there is a line of light poles, and at the outer extremity there is a small wharf house.

Just south of this wharf there is a long narrow piece of made ground, which was apparently built for the foundation of a pier, and then later abandoned. This piece of land is about 40 feet wide for its entire length, and rises about 10 feet above the high water level.

The transformer station on the Key System pier was also located. This building is not shown on the current issues of charts covering this locality. The building is about 30 ft. by 40 ft., and 25 ft. high, the longer side of the building being parallel to the direction of the tracks. The northern side of the building is almost directly over the edge of the rock fill on which the pier is built., while the western, or outer, face of the building is about 75 ft. inside the outer end of the rock fill, where the trestle begins.

The 140 ft. water tank on the grounds of the El Dorado Oil Works was also located. The tank is at the northwest corner of the intersection of University Ave. and Third Street, and is diagonally opposite the Southern Pacific Railway depot.

SURVEY METHODS:

The triangulation control for this work was excellent, at least three triangulation stations being visible at all times. Several set-ups were made on the wharf itself in order to locate the important features there, and to cut in other prominent object.

Connection was made to points "A" and "B", "A" being the intersection of the main line track of the Southern Pacific Railway with the center-line of University Avenue, and "B" being the intersection of the center-lines of University Avenue and Fifth Street. The concrete stack at the Peet Brothers plant was located by plane table methods, and checks the triangulation position exactly.

Dietzgen's double force paper was used for the projection, for the reason that standard topographic sheets were not available at the time the survey was made.

May 21, 1927

Herman Olessey
H. B. Engr.

Paul F. Whitney
Chief of Party

List of Geographic Positions, Sheet No.4.

Object	Lat.	D.M. meters	Long.	D.P. meters	Remarks
Tank	37-52	125	122-18	54	Water tank, 140 ft. high
House	37-49	520	122-19	1085	Transformer house, 30ft.x 40 ft.



DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

REG. NO.

4272

The Topographic Sheet should be accompanied by this form, filled in as completely as possible, when the sheet is forwarded to the Office.

Field No. 4

REGISTER NO. **4272**

State California

General locality San Francisco Bay

Locality Golden Gate Ferry, Berkeley, California

Scale 1-20000 Date of survey May 18, 192 7

Vessel San Francisco Field Station

Chief of Party Paul C. Whitney

Surveyed by Herman Odessey

Inked by Herman Odessey

Heights in feet above M.H.H.W. to ground to tops of trees

Contour, Approximate contour, Form line interval _____ feet

Instructions dated _____, 192

Remarks: _____