

4848

Rec'd June 13, 1934

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

JUN 18 1934

Acc. No. _____

Form 504
Ed. June, 1923

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY
R. S. Patton, Director

State: California

DESCRIPTIVE REPORT

Topographic

~~INDEXED~~

Sheet No. I 4848

LOCALITY

Santa Barbara Channel

Santa Barbara

1933

CHIEF OF PARTY

Charles K. Green

U. S. GOVERNMENT PRINTING OFFICE: 1920

4848

applied to drawing of Chart 5202 - Mar 1936 - C.M. 3

DEPARTMENT OF COMMERCE
U. S. COAST AND GEODETIC SURVEY

TOPOGRAPHIC TITLE SHEET

U. S. COAST & GEODETIC SURVEY
LIBRARY AND ARCHIVES

JUN 13 1934

REG. NO.

4843

Acc. No.

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

Field Letter I

REGISTER NO. **4848**

State California

General locality Santa Barbara Channel

Locality Santa Barbara

Scale 1/5000 Date of survey Mar-Apr, 1933

Vessel Shore Party

Chief of Party Chas. K. Green

Surveyed by Harry T. Kelsh

Inked by Harry T. Kelsh

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

Contour ~~Approximate contour~~ ~~Form line interval~~ 50 feet

Instructions dated October 31, 1932

Remarks:

Descriptive Report
to accompany
Topographic Sheet 'I'
SANTA BARBARA, CALIFORNIA

INSTRUCTIONS

October 31, 1932.

LIMITS AND SCALE

This sheet embraces the city of Santa Barbara, covering the shoreline from the East Beach to the end of the oil well development on the Mesa west of the city.

The scale is 1:5000

GENERAL DESCRIPTION

Santa Barbara is a city of 33,300 population, lying on the flats just east of Lavigia Hill on the north shore of Santa Barbara Channel, and extending back and up on to the slope of the mountain range paralleling the shore about a mile inland at this place. General location lat. 34-25 long. 119-42 W.

The city has developed right down to the shoreline, and all features shown on the topographic sheet are of a permanent nature or substantial in structure.

The yacht harbor between the breakwater and Stearn's wharf furnishes at this time the first harbor north of Los Angeles, and a considerable yachting center has developed here. There is a small amount of commercial shipping (chiefly lumber import) ~~on~~ Stearn's wharf, but no large vessels call at this port. The chief reason for the development of this city lies in its popularity as a tourist resort.

The shoreline consists of a flat sand beach extending from the East Beach to the point west of the breakwater, except where the sea wall shown on the topographic sheet has been constructed and the ground filled in behind level to the top of the wall. The country behind this stretch is flat.

Behind the West Beach however is a 50 ft cliff marking the former shoreline. Going west from this point the cliff gradually approaches the shore and from the point a half mile west of the breakwater to the end of the sheet this cliff marks the shoreline except for a narrow fringe of sand beach at its base. The cliff line averages 50 - 70 ft in height gradually increasing to the westward, and above this is a gently sloping mesa rising towards the hills behind.

SPECIAL NOTES

Stearn's Wharf, at the end of State St. is the only pier. It extends out about 500 M.

A half mile to the west of this pier a stone breakwater has been built in a broad V shape with a total length of 700 Meters. Since 1929 this has caused the sand to fill in to the west of the breakwater to the turn in the wall (app 250 M) and the sand is now filling along the outer face of the wall. The top of the breakwater is approximately 10 feet above high water.

PROMINENT OBJECTS

Just inshore near East Beach is the Mar Monte Hotel, a rambling concrete structure with square tower. The top of this is lighted at night with a red neon light, very conspicuous.

The Fox Arlington Theatre on upper State St. (near the edge of the topo sheet) has a slender spire with a vertically rotating neon sign ~~so that~~ showing alternatively red and blue.

For Harbor Charts the Seminary Spire appearing on the present chart 5261 (just west of the Mission) is important, but this object falls beyond the limit of the topographic sheet.

The breakwater light, of iron lattice construction, is not conspicuous, and the flashing red light at night is easily confused with other flashing red signs on the shore behind it.

West of the city there are a number of oil wells on the Mesa, but none are especially conspicuous.

CONTROL

Six triangulation signals for the $3\frac{1}{2}$ miles of shoreline covered by this sheet gave very excellent control, and no adjustment was necessary.

GEOGRAPHIC NAMES

No changes of importance. Small creek running through west side of town and called Arroyodel Pedregoso is now known as Mission Creek.

CHANGES IN SHORELINE

No changes except large sand fill just west of breakwater. (referred to under special notes)

(2)

Object and Description.	Latitude	D. M.	Longitude.	D. P.	Height.	Remarks.
OLD-	34-24	168	119-42	1096		Oil derrick.
NAV-ww.	34-23	1401	119-42	1474		Sharp rock on beach.

PLANE TABLE POSITIONS TO ACCOMPANY SHEET "I".

Object and Description.	Latitude. D.M.	Longitude. D. P.	Height.	Remarks.
JIM-small pole	34-25 42	119-39	1162	
SED-shed.	34-24 1827	119-40	428	E.end small open shed.
WEND-ww.	34-24 1639	119-40	1210	W.end of seawall.
RED-roof.	34-24 1685	119-40	1433	S.gable sewer pump house.
WASH-ww.	34-24 1512	119-41	96	
*VI-square tower	34-24 1465	119-41	1389	Gas station.
HOT-Californian Hotel.	34-24 1419	119-41	545	S.E. corner.
GAL-chimney.	34-24 1152	119-41	681	small real estate bldg.
OIL-cupola.	34-24 1137	119-41	119	Standard Oil station on Stearns Wharf.
CLUB-	34-24 1093	119-41	152	Flagpole Club house middle Stearns Wharf.
BE-pole.	34-24 867	119-41	806	Small bag pole on West Beach.
*LAR-flag pole.	34-24 863	119-41	865	Large flag pole 100 yds E.of Bath house, West Beach.
SAV-tower.	34-24 812	119-41	828	Life Guard lookout tower.
SIN-sign.	34-24 654	119-41	867	Small sign at West Beach.
PO-flag pole.	34-24 533	119-41	960	Flag pole Union Oil pump station, shore end of breakwater.
TEL-pole.	34-24 437	119-41	1206	Telephone pole, foot of Leadbetter Drive.
ROK-ww.	34-24 207	119-41	1523	
BAT-	34-23 1799	119-42	166	S.W.Corner, small brown shack..
⁽¹⁾ REN-ww.	34-23 ¹⁵⁴⁴ 620	119-42	1258	High boulder on beach.
*ATE-ww.	34-23 1350	119-42	685	8ft. rock on beach.
JOE-	34-23 1378	119-42	1028	S.E. Corner Clares house.

*Submitted on form 524

(1) Change made in office. - Error noted by letter from Lt. Green - Checked and found in error

(3)

Topo sheet 'I'
Santa Barbara

OTHER CHANGES

Old piling shown on present chart 5261 extending in a curve inshore from Stearn's Wharf now gone.

All swamp area near shore has been eliminated.

Small creek just behind Bath house at West beach covered over, and pond gone.

City map (attached) is incorrect in minor detail that there are three small islands in lake used as bird refuge, shown at east end of sheet.

With the growth of the city, fills for streets etc. the channels of the two creeks running through the city, (Sycamore Creek, east side, Arroyo del Pedregoso, now called locally Mission Creek,) have been constricted until they are more correctly shown as narrow channels as they appear on the attached city map.

CONTOURS

Contours as shown on previous work found correct.

TIE IN WITH PREVIOUS WORK

Due to development of the city all streets, prominent buildings etc were run, as far back as the S.P. Railroad and directions of streets beyond.

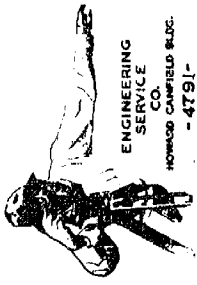
CITY MAP IS SUBMITTED WITH TOPO SHEET.

Respectfully submitted,



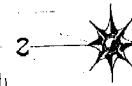
Chas. H. Green
Chief of Party

BLUEPRINTS
ARCHITECTS
ENGINEERS
SUPPLIES



ENGINEERING
SERVICE
CO.
HOMER CAMPBELL BLDG.
-4791-

ENGINEERING
SURVEYING



From official
Map.

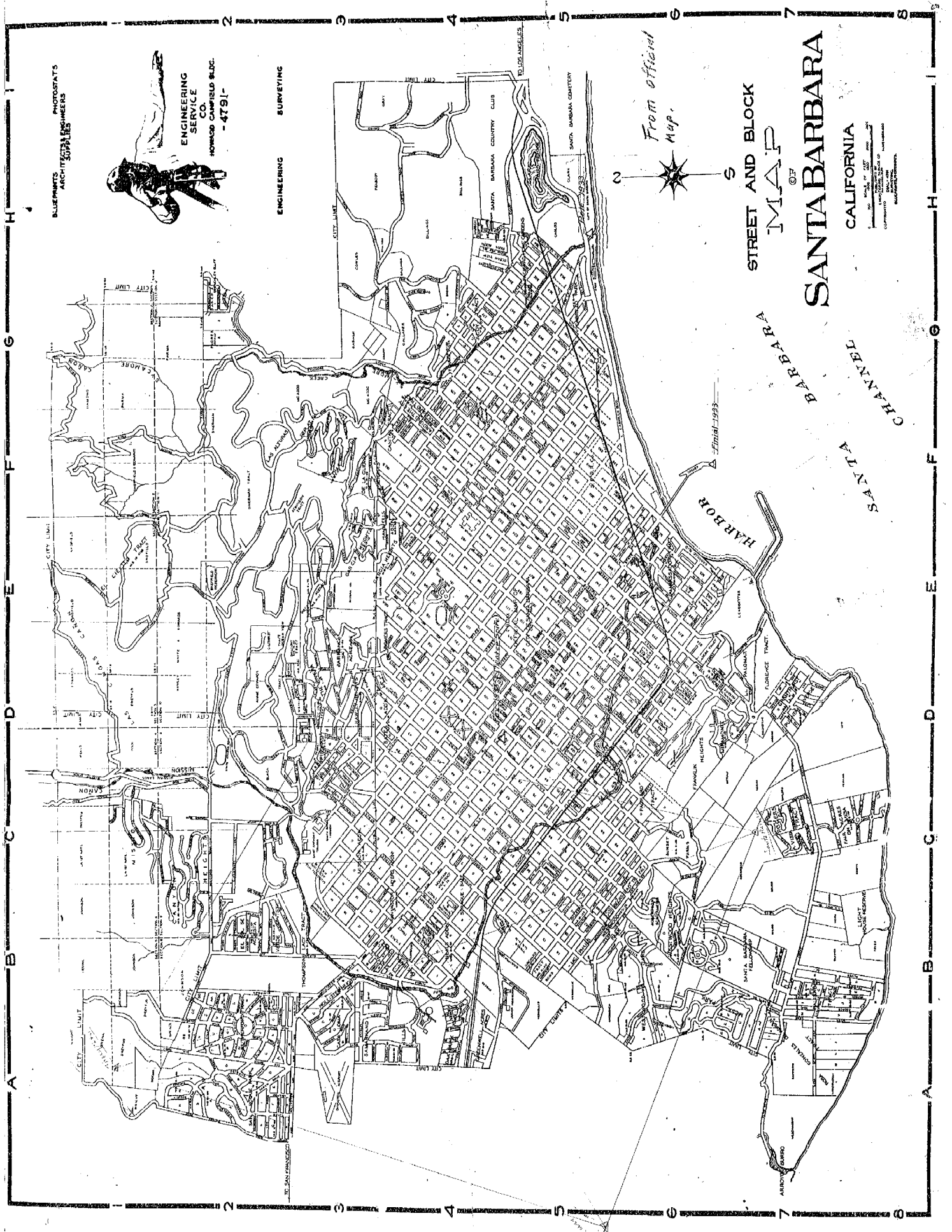
STREET AND BLOCK

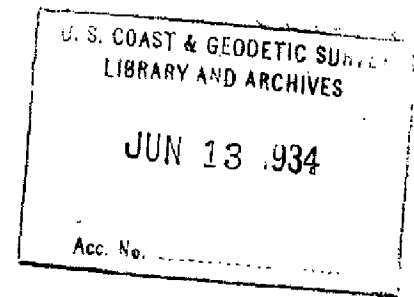
MAP

SANTA BARBARA

CALIFORNIA

Scale: 1 inch = 1 mile
Copyright 1933 by
Engineering Service Co.
Homer Campbell Bldg.
Santa Barbara, California





PARTY #10

Santa Barbara, Calif.
June 6, 1934.

Topographic Sheet "I", submitted herewith, has been inspected and approved by me, together with the data listed below.

List of data forwarded with Topographic Sheet "I"

Title Sheet

Descriptive Report

5 Description of recoverable topographic stations

2 prints of City of Santa Barbara.

A handwritten signature in cursive script that reads "Chas. K. Green".

Chas. K. Green,
Chief of Party #10.

T 4848

1022
30 KTA

POST-OFFICE ADDRESS: Box 761, Santa Barbara, Cal.

TELEGRAPH ADDRESS:

EXPRESS ADDRESS:

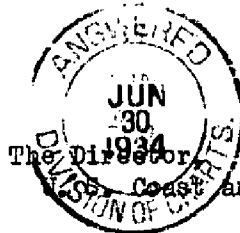
DEPARTMENT OF COMMERCE

U. S. COAST AND GEODETIC SURVEY

20

1934 JUN-25 AM 9:56

June 19, 1934.



To:

The Director,
U. S. Coast and Geodetic Survey.

From:

Lieut. Chas. K. Green,
U. S. Coast and Geodetic Survey,
Santa Barbara, Calif.

Subject:

Field Work - Descriptive Report sheet I, Party #10.

On the list of plane table positions accompanying descriptive report of Sheet I, which was forwarded by this party on June 6, the latitude of signal "Ren" was given as 34 23 620m. This distance was scaled from a half minute parallel, and is in error by half a minute. The correct position is 34 23 1544m.

It is respectfully requested that the above plane table list be corrected.

Chas. K. Green.

Chas. K. Green,
Chief of Party #10.

*Note: D.M. sheet I from office
and found to be in error in letter box.
Value was accordingly changed in Descriptive Report*

*E. W. Smith
James C. Carter, Engr.*

80-DRM

June 30, 1934.

To: Lieut. Chas. K. Green,
U. S. Coast and Geodetic Survey,
Box 761,
Santa Barbara, California.

From: The Director,
U. S. Coast and Geodetic Survey.

Subject: Topographic Sheet I (T. 4848) -- Correction to list of
plane table positions.

Receipt is acknowledged, with thanks, of your letter dated
June 19, 1934, calling attention to an error in the list of plane
table positions accompanying the descriptive report for your topo-
graphic sheet I. The necessary correction has been made to the
list of positions.

Director.

Diagram No. _____

Date. Nov 1, 1934

Names underlined in red approved Nov. 1, 1934
H.B.

R, Referred to the Division of Geographic Names, Department of Interior.

[illegible]

Section of Field Records

REVIEW OF TOPOGRAPHIC SURVEY NO. 4848 (1933)

Santa Barbara, Santa Barbara Channel, California

Surveyed: March - April, 1933

Instructions dated: October 31, 1932 (C. K. Green)

Plane Table Survey

Cloth Mounted

Chief of Party - C. K. Green.

Surveyed and Inked by - H. T. Kelsh.

1. Condition of Records.

The Descriptive Report is clear and comprehensive and satisfactorily covers all matters of importance.

The records conform to the requirements of the Topographic Manual, with the following exceptions:

- a. Names of stations and notes regarding land features are shown in slanting lettering. The standard method is to use vertical lettering for everything except objects which cover at H. W.

2. Compliance with instructions for the Project.

The survey complies with the instructions.

3. Junction with Contemporary Surveys.

Satisfactory junctions were made with T-4855 (1933) on the east and with T-4858 (1933) on the west.

4. Comparison with Prior Surveys.

- a. T-373 (1852) and T-1229 (1870).

This survey is in good agreement with the present survey except where changes have occurred due to construction and the development of the water front.

- b. T-470 (1854)

This survey includes a stretch of shoreline $1\frac{1}{2}$ miles long in the vicinity of Santa Barbara Light. It is in good agreement with the present survey.

5. Field Drafting.

The field inking is good.

6. Additional Field Work Recommended.

No additional field work is required.

7. Superseding Old Surveys.

Insofar as the topography included on the present survey is concerned, it supersedes the following surveys for charting purposes:

T- 373 (1852) in part.

T- 470 (1854) " "

T-1229 (1870) " "

8. Reviewed by - A. F. Jankowski, January, 1935.

Examined and approved:

C. K. Green, *C. K. Green*
Chief, Section of Field Records.

L. O. Polk
Chief, Division of Charts.

B. Borden
Chief, Section of Field Work.

G. H. Hude
Chief, Division of H. & T.