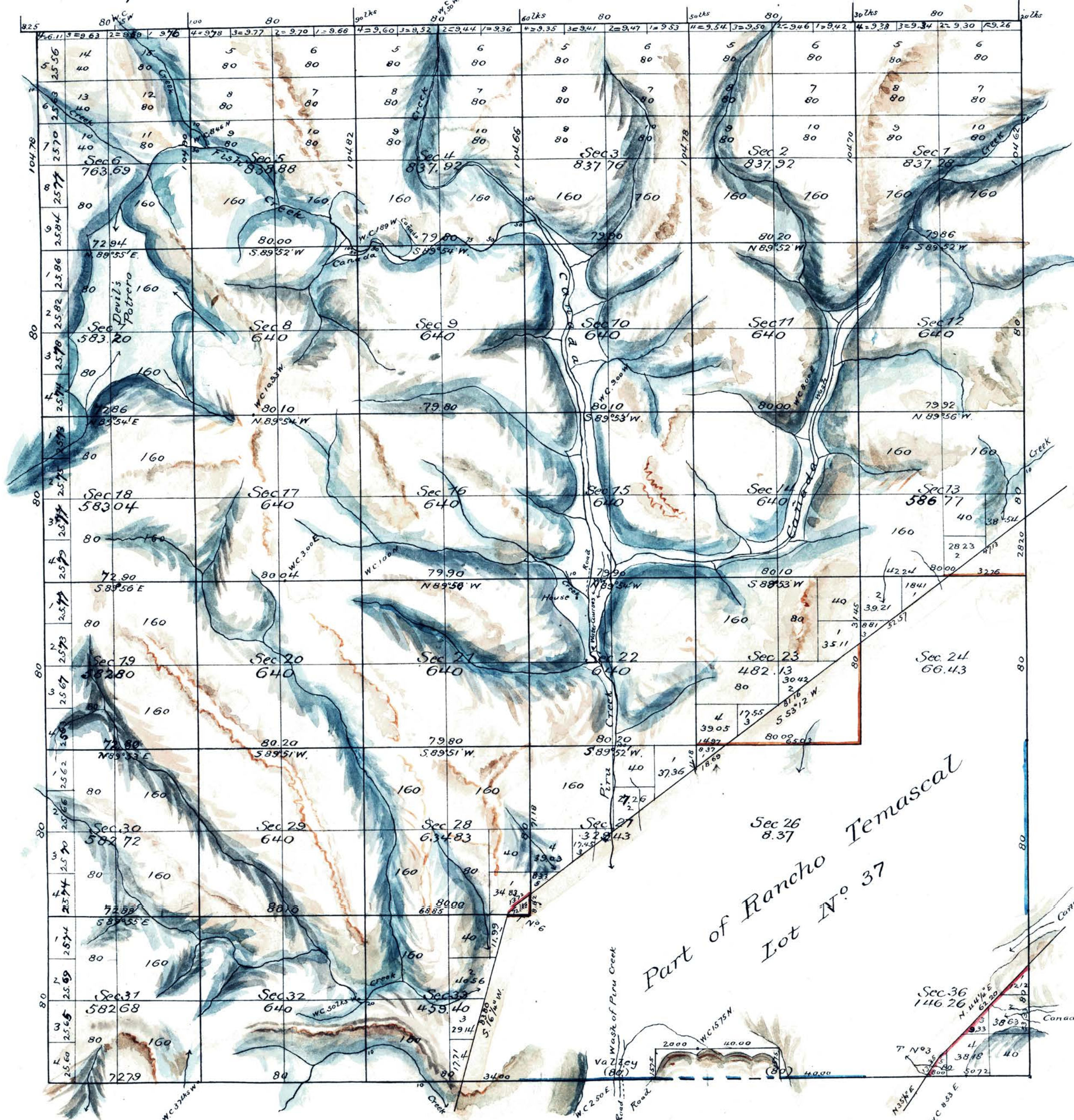


Rec'd with Sur Gen's letter of July 17 1880
 Township N° 5 North Range N° 18 West San Bernardino Meridian.



Aggregate Area of Public Land 19,541.51 Acres
 Estimated " " Private Grant 4,326.38 "
 Aggregate 23,867.89 "

All the Exterior and Section lines of this Township, excepting those colored blue, pass over Mountainous Land.

Section lines colored brown are not charged.

Variation reported by Collins 14° 25' E

Surveys Designated	By whom Surveyed	Date of Contract	Amount of Surveys	When Surveyed
Boundaries of Lot N° 37	G. H. Thompson	(Inst) May 6 th 1867		1867
North Boundary of Township	Geo. S. Collins	October 21 st 1879	5 mi 71 chs 35 lks	1879
Township lines colored blue	"	"	3 " 00 " 00 "	"
Rest of Township lines	"	"	15 " 50 " 44 "	"
Ranch lines - re-surveyed	"	"	5 " 72 " 62 "	"
Section line colored blue	"	"	79 " 80 "	1880
Rest of Section lines	"	"	49 mi. 8 " 23 "	"
Connections colored red	"	"	1 " 13 " 49 "	February 5 th 1880

The above Map of Township N° 5 North, Range N° 18 West, San Bernardino Meridian, is strictly conformable to the field notes of the surveys thereof, on file in this Office, which have been examined and approved.
 Surveyor General's Office,
 San Francisco, California,
 July 17th 1880.

DEPARTMENT OF THE INTERIOR
 November 3, 1906.
 Theo Wagner
 Surv Gen^l Cal.

FIELD NOTES

The Exterior ^{OF} a portion of lines of Township 4-3-10
Range 17-18-19 West, San Bernardino Meridian, California,

—BY—

George I. Collins Deputy Surveyor,
Under his Contract of October 21 1879

Survey Commenced

November 22 1879—

Survey Completed

December 15 1879—Filed Sep 21 1880Alfred JamesRegister

38 6	5	4	3	2	1	29 34	33 6	5	4	3	2	1	25
38 7	8	9	10	11	12	20	7	8	9	10	11	12	25
37 18	17	16	15	14	13	28	18	17	16	15	14	13	24
37 19	20	21	22	23	24	27	19	20	21	22	23	24	23
36 30	29	28	27	26	25	27	30	29	28	27	26	25	22
35 31	32	33	34	35	36	26	31	32	33	34	35	36	

Sp. 5 N. R. 19 W.
S. B. M.

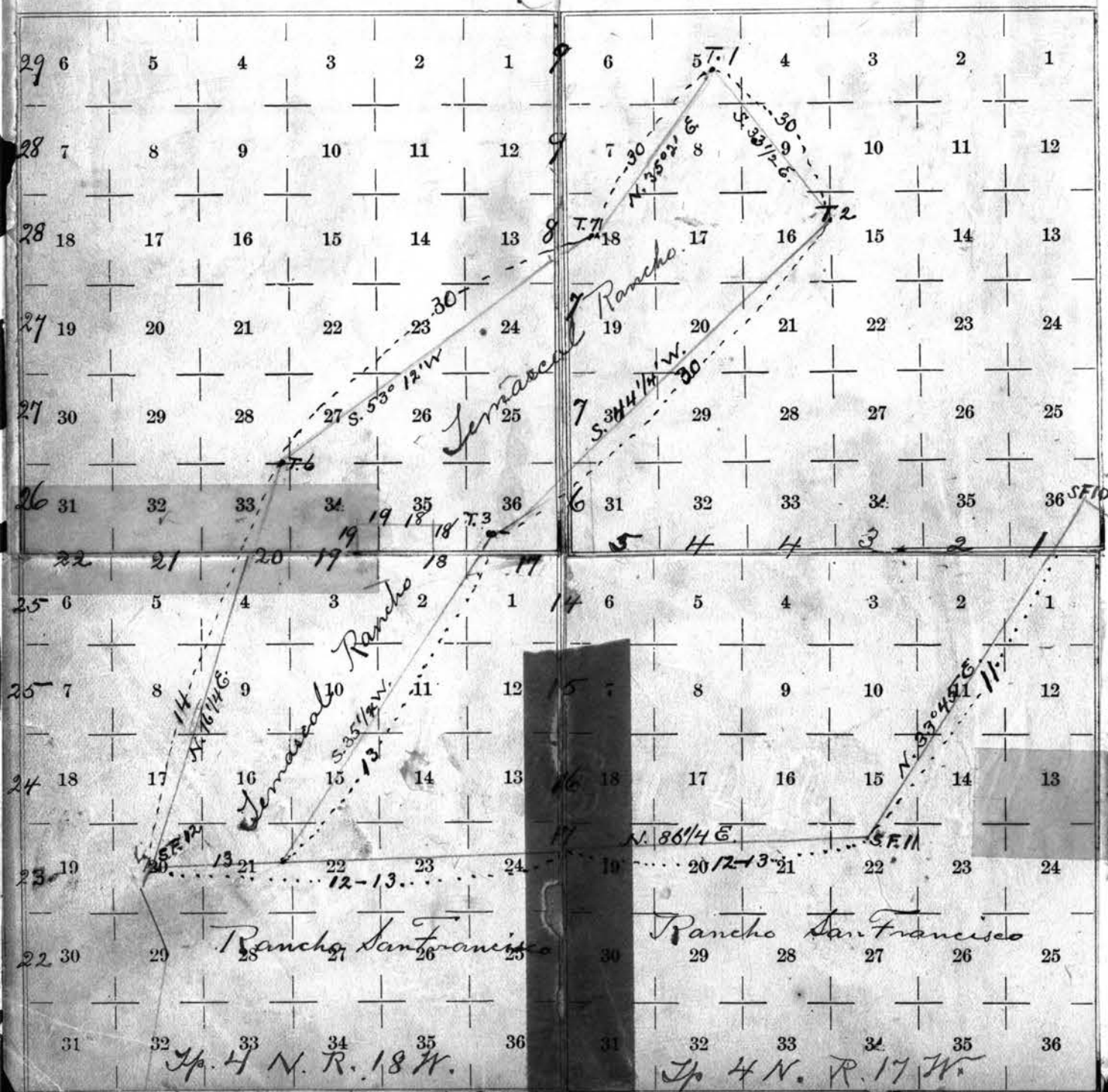
Sp. 4 N. R. 19 W.
S. B. M.

164/13 G. S. Collins, 1879

4-674.

4-674.

hip 5 N. R. 18 W. S. B. M. Township 5 N. R. 17 W. S. B. M.



13

the unit of subdivisions, it will be necessary to complete the survey of those sections, agricultural in character, within the forest reserve in T. 5 N., R. 19 W., S.B.M.

The above regulation is not construed to mean that the whole section must be agricultural in character, in order to include it in a survey, but agricultural land sufficient for a homestead entry, should be located therein.

You will therefore be governed accordingly in the execution of the surveys within this township. Sec. 29, however, will be surveyed, as, on November 15, 1915, Homestead Entry Los Angeles 027366 was allowed upon the application of Melvin Phillips, by legal subdivisions. Final proof and issuance of final certificate has been deferred, pending survey of said section 29.

The accompanying sketch indicates that a portion of the township has been surveyed. To quote from the letter of authorization:

"By letter 'E' dated July 15, 1885, addressed to the local officers at Los Angeles, all entries and disposals of land were suspended in Ts. 4 & 5 N., R. 19 W., and T. 4 N., R. 20 W., S.B.M., on account of the undetermined character of the land and erroneous surveys."

By letter "E" dated November 13, 1886, all the land in these townships except those surveyed by George S. Collins D.S., were relieved from suspension, but inasmuch as all of the surveys shown on the plat of T. 5 N., R. 19 W., were alleged to have been executed by Collins, it was directed that the original order of suspension relating thereto should remain in force until otherwise ordered. No further action with reference to T. 5 N., R. 19 W. seems to have since been taken. In the mean while the lands have been reserved for forest purposes."

This indicates that all of the subdivisional lines and the W. bdy. of T. 5 N., R. 19 W., are to be treated as unsurveyed.

In the event that the entire township is surveyed, you will proceed as follows:

1st Standard Parallel North.

Retrace the 1st Standard Parallel North from the Standard cor. of T. 6 N., Rs. 19 and 20 W., to the 1 sec. cor. on the S. bdy. of section 31, T. 6 N., R. 18 West. Renew or reestablish corners where necessary.

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Retrace the 1st Standard Parallel North from the Standard cor. of T. 6 N., Rs. 19 and 20 W., to the 1 sec. cor. on the S. bdy. of section 31, T. 6 N., R. 18 West. Renew or reestablish corners where necessary.

S. B. J. 5 N., R. 17 W., S. B. M.

304

From the cor. to Tps. 4 + 5 N., Rs. 16
+ 17 W., I run
West, on a true line in S. B. dy of Sec. 36.
Var. $14^{\circ} 25' E.$

Through San Francisco Rancho.

9.50 Cross road, bears N. + S.

15.00 Enter dry Wash of Castagne, course S.

18.00 Over same, course S.

40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft.
above earth mound, 4 ft. in dia. at base,
by 2 ft. in height + dug pit, $24 \times 18 \times 12$,
8 lbs. wt., for $\frac{1}{4}$ sec. cor.,

from which bears a
Cottonwood, 24 in. dia., S. $7\frac{3}{4}^{\circ} W.$, 78 lbs. dist.
40.12 Intersect N. W. Boundary of Rancho
San Francisco, and Set post, 4 in. sq.,
1 ft. in earth, 1 ft. above Earth mound,
 $4\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height,
and dug pits, $24 \times 18 \times 12$, 8 lbs. dist.,
at 4 angles, for cor. to fractional secs.
1 and 36; from which cor. I run along
North Bdy. of said Rancho (as re-surveyed by me) N. $33^{\circ} 45' E.$, 58.60 chs.
to an Oak tree, marked S. F. No. 10.

52.25 Cross road, bears N. + S.

52.75 Leave valley of Castagne, bears N. E. +
S. W., thence along S. side of Cañada.

60.50 Leave Cañada, bears N. W. + S. E. and
ascend.

80.00 The point for cor. to secs., falling on
steep side hill, a place not suitable
to build mound, I continue N., 75' lbs.

S. B. T. 5 N., R. 17 W., S. B. M.

and set post, 4 in. sq., 1 ft. in earth, 1 ft. above earth mound, $4\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, and dug pits, $24 \times 18 \times 12$, 8 lbs. dist. at 4 angles, for witness to cor. to secs. 1, 2, 35 & 36.

Land, mountainous except in valley.

Soil, 1st & 2nd rate.

Timber & undergrowth of Live Oak, Sycamore, Cottonwood, Willow and Chaparral.

West, on S. Boundary of Sec. 35.

Var. 14° , 25° E.

.75 Witness post.

1.00 To edge of steep, perpendicular bank of Wash; as I cannot run the line further, I run a traverse along summit of ridge.

1st S. $76\frac{1}{2}^{\circ}$ W., 2.79 chs.

2nd N. $87\frac{1}{2}^{\circ}$ W., 14.35 "

3rd S. 81° W., 11.13 "

4th N. 81° W., 11.12 "

5th North, 0.02 "

6th East, 0.03 " to a point,

40.00 chs. W. on summit of ridge, bearing N. W. and S. W., and 2.00 chs. S.

of a perpendicular bluff, where I set post, 4 in. dia., 1 ft. in earth, 1 ft.

above earth mound, 4 ft. in dia. at base, by 2 ft. in height, and dug pits, $24 \times 18 \times 12$, 8 lbs. N., for $\frac{1}{4}$ sec. cor.

S. B. T. 5 N., R. 17 W., S. B. M.

306

80.00 Set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, $4\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, for cor. to sec. 2, 3, 34 & 35.

Land, mountainous.

Soil, 2^d rate.

Timber and undergrowth of Live Oak and Chaparral.

West, on Santa Boundary of Sec. 34.
Var. 14° , $25'$ E.

Descend.

16.00 Cross Gulch, 10 lks. wide, course S. & ascend.

25.50 Top of Spur, bears N. & S. & descend.

40.00 The point for $\frac{1}{4}$ sec. cor., falling in deep Wash, a place not suitable to build mound, I continue W. 50 lks., & set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for witness to $\frac{1}{4}$ sec. cor.

40.50 Witness Post.

46.50 Top of Spur, bears N. & S., and descend.

50.00 Enter Cañada, bears N. & S.

55.50 Cross Wash, 50 lks. wide, course S.

59.00 Leave Cañada, bears N. & S. & ascend.

64.50 Top of ridge, bears N. & S. & descend.

70.00 Enter valley, bears N. & S.

71.50 Cross dry Wash, course S.

80.00 Set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, $4\frac{1}{2}$ ft. in dia. at

S. B. T. 5 N., R. 17 W., S. B. M.

base, by 2 ft. in height, for cor. to secs.
3, 4, 33 + 34.

Land, mountainous except in valley.

Soil, 1st + 2nd rate.

Timber + undergrowth of Live Oak
and Chaparral.

Nov. 22nd 1879.

West, on S. Boundary of Sec. 33.

Var. 14°, 25' E.

3.50 Leave valley, bears N. W. and S. E., +
ascend.

15.00 Top of ridge, bears N. W. + S. E., and
descend.

22.00 A Cañada, bears N. W. + S. E.

37.00 Cross dry Wash, 50 lbs. wide, course S. E.

40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft. above
stone mound, 4 ft. in dia. at base, by
2 ft. in height, for $\frac{1}{4}$ sec. cor., + ascend.

80.00 Set post, 4 in. sq., 1 ft. in earth, 1 ft.
above stone mound, 4 $\frac{1}{2}$ ft. in dia.
at base, by 2 ft. in height, for cor.
to secs. 4, 5, 32 + 33.

Land mountainous, except in valley.
Soil, 1st + 2nd rate.

Timber + undergrowth of Live Oak
and Chaparral.

West, on S. Boundary of Sec. 32.

Var. 14°, 25' E.

Descend.

2.25 Cross gulch, bears N. E.

S. B. T. 5 N., R. 17 W., S. B. M.

71308

- 4.00 Ascend.
- 22.50 A Cañada, bears S. E. & N. W.
- 32.70 Enter gulch, thence up same.
- 40.00 The point for $\frac{1}{4}$ sec. cor., falling in gulch, a place not suitable to build mound, I proceed N. 100 lks. & set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for witness to $\frac{1}{4}$ sec. cor.
- 53.00 Leave gulch & ascend.
- 66.32 Summit of Spur, bears N. W. & S. E. and descend.
- 80.00 The point for cor. to sects. 5, 6, 31 & 32, falling on steep side hill, a place not suitable to build mound, I continue W. 2.49 chs. and set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, $4\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, for witness post to said corner.
- Land, mountainous.
- Soil, $2\frac{1}{2}$ rate.
- Timber and undergrowth of Live Oak and Chaparral.

West, on S. Boundary of Sec. 31.

Var. 14° , 25° E.

- 2.49 Witness post, on summit of Spur, bears N. E. & S. W. and descend.
- 15.75 Cross near head of gulch, 10 lks. wide, course N. W. & ascend.
- 40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft.

S. B. T. 5 N., R. 17 W., S. B. M.

80.00

above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for $\frac{1}{4}$ sec. cor.
Set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, 4 $\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, for cor. to Tps. 4 + 5 N., Rs. 17 + 18 W., S. B. M.
Land, mountainous.

Soil, 2nd rate.

Timber + undergrowth of Live Oak and Chaparral.

North, on W. Boundary of Sec. 31.

Var. 14°, 25' E.

Descend.

22.00

Enter Cañada, bears E. + W.

26.00

Cross gulch, 10 lks. wide, course N. W.

31.75

" " 25 " " " W.

32.50

Leave Cañada, bears E. + W. + ascend.

40.00

Set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for $\frac{1}{4}$ sec. cor.

50.00

Summit of Spr., bears E. + W. + descend.

55.33

Intersect E. Bdy. of Rancho Temescal, (as re-surveyed by me) 62.20 chs. N., 44 $\frac{1}{4}$ ° E. from T. N. 2 and set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound 4 $\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, for cor. to fractional Sects. 31 and 36, from which bears a

Live Oak, 18 in. dia., N. 27 $\frac{1}{2}$ ° W., 310 lks. dist.

64.00

Enter Cañada, San Felician, bears S. W. and N. E.

F. B. J. 5 N., R. 17 W., S. B. M.

310

- 68.75 Cross dry bed of creek, 75 lks. wide,
course S. W.
- 71.50 Leave Canada & ascend.
- 80.00 Set post, 4 in. sq., 1 ft. in earth, 1 ft.
above earth mound, $4\frac{1}{2}$ ft. in dia. at
base, by 2 ft. in height, and dug pits,
24 x 18 x 12, 8 lks. dist., at 4 angles, for
cor. to secs. 30, 31, 25 & 36.
Land, mountainous except in valley.
Soil, 1^{st} and 2^{nd} rate.
Timber & undergrowth of Live Oak
and Chaparral.

Nov. 24th 1879.

North, on W. Boundary of Sec. 30.

Var. 14° , 25° E.

Over rolling hills.

- 40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft.
above earth mound, 4 ft. in dia. at
base, by 2 ft. in height, and dug
pit, 24 x 18 x 12, 8 lks. E., for $\frac{1}{4}$ sec. cor.
- 80.00 Set post, 4 in. sq., 1 ft. in earth, 1 ft.
above earth mound, $4\frac{1}{2}$ ft. in dia. at
base, by 2 ft. in height, and dug pits,
24 x 18 x 12, 8 lks. dist., at 4 angles, for
cor. to secs. 24, 25, 19 & 30.
Land, rolling hills.
Soil, 1^{st} rate.
Timber and undergrowth of Live
Oak and Chaparral.

North, on W. Boundary of Sec. 19.

W. B. T. 5 N., R. 17 W., S. B. M.

Var. 14° , 25° E.

Ascend.

40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft. above earth mound, 4 ft. in dia. at base, by 2 ft. in height, and dug pit, $24 \times 18 \times 12$, 8 lks. E., for $\frac{1}{4}$ sec. cor.

78.00 Summit of ridge, bears N. E. + S. W. Thence along on same.

80.00 Set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, $4\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, for cor. to sec. 19, 24, ²³25 + ¹⁸30.

Land., mountainous.

Soil, 2^{nd} rate.

Timber and undergrowth of Live Oak and Chaparral.

North, on W. Boundary of Sec. 18.

Var. 14° , 25° E.

.50 Descend.

28.20 Intersect W. Boundary of Rancho Temeseal, 33.71 chs., S. 53° , $12'$ W. from T. N. 7, cor. N. 7 of said Rancho, as resurveyed by me, and set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, $4\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, for corner to fractional Secs. 13 and 18.

40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for $\frac{1}{4}$ sec. cor.

W. B. T. 5 N., R. 17 W., S. B. M.

312

57.50 Cross creek, 10 lks. wide, runs S. W.
and ascend.

80.00 Set post, 4 in. sq., 1 ft. in earth, 1 ft.
above stone mound, $4\frac{1}{2}$ ft. in dia. at
base, by 2 ft. in height, for cor. to secs.
7, 12, 13 and 18.

Land, mountainous.

Soil, 1^{st} & 2^{nd} rate.

Timber and undergrowth of Live
Oak, Sycamore and Chaparral.

North, on W. Boundary of Sec. 7.
Var. 14° , 25° E.

Ascend.

40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft.
above stone mound, 4 ft. in dia. at
base, by 2 ft. in height, for $\frac{1}{4}$ sec. cor.

46.50 Summit of ridge, bears N. E. & S. W.
and descend.

62.00 Cross ravine, course S. W. & ascend.

80.00 On summit of ridge, bearing E. & W.,
Set stone, $14 \times 10 \times 4$, in stone mound,
 $4\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height,
for cor. to secs. 1, 6, 7 & 12.

Land, mountainous.

Soil, 2^{nd} rate.

Timber and undergrowth of Live
Oak & Chaparral.

North, on W. Boundary of Sec. 6.
Var. 14° , 25° E.

.50 Descend.

W. B. J. 5 N., R. 17 W., S. B. M.

313

37.00	Cross ravine, course S. W. & ascend.
40.00	On Summit of ridge, bearing N. E. & S. W., set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for $\frac{1}{4}$ sec. cor., and descend.
55.50	Cross creek, 15 lks. wide, runs S. W. and ascend.
104.62	Intersect 1^{st} Standard line N., 20 lks. E. of cor. to Sect. 31 and 32, and set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, $4\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, for closing cor. to Tps. 5 N., Rs. 17 and 18 W. Land, mountainous. Soil, 2^{nd} rate. Timber and undergrowth of Live Oak, Sycamore and Chaparral. Nov. 25 th , 1879.

Resurvey of N. B. of Rancho S. F.

which would make the true bearing,
N. 33° , $45'$ E., instead of N. 32° , $43'$ E.,
as reported.

Nov. 26th, 1879.

As all traces of S. E. cor. of Rancho
Temescal have disappeared, I find
it necessary to re-survey course No. 11
of the final survey of the Rancho San
Francisco, from cor. No. 11, to cor. No. 12.
I run the course S. 86° , $49'$ W.

Var. 14° , $25'$ E.

20.00	Enter mouth of Cañada San Martini.
30.00	Cross Wash, 50 lbs. wide, course S.
30.50	, road, bears N. & S.
33.40	Leave Cañada, bears N. and S. & ascend.
77.00	Descend.
79.70	Enter Cañada, bears N. & S.
82.80	Cross Wash, 100 lbs. wide, course S.
85.00	Leave Cañada, bears N. & S. and ascend.
113.50	Summit of high ridge, bears N.W. and S. E.
134.00	Top of ridge, bears N. & S. and descend.
147.00	Cross deep gulch, 25 lbs. wide, course S. and ascend.
160.50	Top of ridge, bears N. & S. and descend.
517.22	Finding no trace of T. No. 4, I set temp. post and continue.
	Enter valley of Pem , bears N. & S.
629.52	Intersect C. 17 chs., S. 3° , $11'$ E. of cor. No.

Resurvey of N. B. of Rancho S. F.

316

12 of final survey of said Rancho, being in center of ~~Pine~~ Creek.

To retrace the line, I find the true bearing to be N. $86\frac{1}{4}^{\circ}$ E., 629.52 chs., instead of N. 86° , 49' W., 627.53 " as reported in the final survey of said Rancho.

From the cor. No. 12 of San Francisco Rancho, I run on corrected course, N. $86\frac{1}{4}^{\circ}$ E., 110.31 chs. and

Set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, $\times 4\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, for cor. No. 4 of Rancho Temescal.

Nov. 27th + 28th, 1879.

East Boundary Rancho Temescal.

From cor. No. 4, I run N. $34\frac{1}{4}^{\circ}$ E.

Var. 14° , 25' E.

Over broken Spurs.

156.50	Cross gulch, 100 lks. wide, course N. W.
341.50	" " near head. " " "
343.00	" " 20 lks. wide, " W. and ascend.

354.78 To a point, where T. No. 3, on top of ridge, bearing N. W. & S. E. bears S., $55\frac{3}{4}^{\circ}$ E., 6.17 chs. dist., which would make my corrected course from T. No. 4 to T. No. 3, N. $35\frac{1}{4}^{\circ}$ E., 354.78 chs., instead of N. $34\frac{1}{4}^{\circ}$ E., 358.87 chs., as called for in final survey of said Rancho.

West Boundary Rancho Temescal.

Nov. 29th, 1879.

From cor. N^o 5, I run
N. $15\frac{1}{4}^{\circ}$ E. along W. side of Pine Creek.
Var. $14^{\circ} 25' E.$

Ascend.

70.00 Summit of Ridge, bears N. W. + S. E.
Thence over high, broken ridges.

382.09 To a point, where T. N^o 6, Cor. N^o 6
of said Rancho, bears S. $74\frac{3}{4}^{\circ}$ E., 6.68
chs. dist., which would make my cor-
rected course from T. N^o 5 to T. N^o 6,
bear N. $16\frac{1}{4}^{\circ}$ E., 382.09 chs., instead of
N. $15\frac{1}{4}^{\circ}$ E., 385.52 chs., as called for
in final survey of said Rancho Temescal.
Dec. 1st, 1879.

W. B. T. 4 N., R. 17 W., S. B., M.

This T^p. being fractional, I run it S.
From the corner to T^ps. 4 and 5 N., R^s.
17 and 18 West, I run
South, on a true line bet. Sect. 1 and 6.
Var. $14^{\circ} 25' E.$

Ascend.

3.00 Top of Spur, bears E. + W. and descend.

37.00 Cross gulch, 10 lks. wide, course W. and
ascend.

40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft.
above stone mound, 4 ft. in dia. at base,
by 2 ft. in height, for $\frac{1}{4}$ sec. cor.

63.00 Summit of ridge, bears E. and W.

W. B. J. & N., R. 17 W., S. B. M.

318

64.00 To edge of perpendicular bluff.
 *Not being able to continue on the line,
 I set post, 4 in. sq., 1 ft. in earth, 1 ft.
 above stone mound, $4\frac{1}{2}$ ft. in dia. at
 base, by 2 ft. in height, for witness to
 corner to Sect. 6, 7, 1 and 12.

I here run an offset line E. 5 chs.,
 then S. 16.00 chs. to a point along E.
 side of Wash Bluff. Then W., 5.00 chs.
 to a point, from which my witness post
 bears North.

80.00 Set post, 4 in. sq., 1 ft. in earth, 1 ft.
 above earth mound, $4\frac{1}{2}$ ft. in dia. at
 base, by 2 ft. in height and dug pits,
 $24 \times 18 \times 12$, 8 lks. dist., at 4 angles, for
 cor. to Sect. 6, 7, 1 and 12.

Land, mountainous.

Soil, 2nd rate.

Timber and undergrowth of Live Oak
 and Chaparral.

South, on a true line bet. Sect. 7 & 12.
 Var. 14° , 25' E.

Descend.

34.50 A Spring, bears W. about 50 lks. dist.

37.00 House of Del Valle, bears W.
 about 1.50 chs.

40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft.
 above earth mound, 4 ft. in dia. at base,
 by 2 ft. in height, and dug pits, 24×18
 $\times 12$, 8 lks. E., for $\frac{1}{4}$ sec. cor. - inside of
 sheep corral of Del Valle.

W. B. T. & N., R. 17 W., S. B. M.

44.50 Cross Wash. 25 lks. wide, course W. & ascend.

80.00 Set post, 4 in. sq., 1 ft. in earth, 1 ft. above Earth mound, $4\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, and dug pits, $24 \times 18 \times 12$, 8 lks. dist., at 4 angles, for cor. to secs. 12, 13, 7 & 18.

Land, mountainous.

Soil, $2\frac{1}{2}$ rate.

Timber & undergrowth of Live Oak and Chaparral.

South, bet. Secs. 13 and 18.

Var. 14° , 25' E.

Ascend.

20.00 Summit of Spur, bears N. W. & S. E.

29.92 Top of Spur, bears E. & W. & descend.

40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft. above earth mound, 4 ft. in dia. at base, by 2 ft. in height, and dug pits, $24 \times 18 \times 12$, 8 lks. E., for $\frac{1}{4}$ sec. cor.

44.50 Cross near head of gulch, course E.

62.75 " " " " " " " N. E. and ascend.

79.00 Summit of Spur, bears E. and W. & descend.

80.00 Set post, 4 in. sq., 1 ft. in earth, 1 ft. above earth mound, $4\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, and dug pits, $24 \times 18 \times 12$, 8 lks. dist., at 4 angles, for cor. to secs. 13, 24, 18 & 19.

Land, mountainous.

W. B. F. & N., R. 17 W., S. B. M.

320

Soil, 2nd rate.

Timber and undergrowth of Live Oak,
and Chaparral.

Dec. 2nd 1879.

South, bet. Secs. 19 and 24.

Var. 14°, 25' E.

22.73 Intersect the Northern boundary of
Rancho San Francisco, as resurveyed
by me, 271.71 chs. S. 86 $\frac{1}{4}$ ° W., of cor. N^o.
11 of the final survey of said rancho.
Land, mountainous.

Soil, 2nd rate.

Timber and undergrowth of Live Oak
and Chaparral.

S. B. F. 59
R. 18 W. S. B. M.

West, on S. Boundary of Sec. 36.

Var. 14°, 25' E.

Ascend.

31.47 At the point for $\frac{1}{4}$ sec. cor., will fall
on steep side hill, a place not suitable
to build mound, I here set post, 4 in.
dia., 1 ft. in earth, 1 ft. above stone
mound, 4 ft. in dia. at base, by 2 ft.
in height, for witness to $\frac{1}{4}$ sec. cor.

40.00 Point for $\frac{1}{4}$ sec. cor.

50.72 Intersect E. boundary of Rancho Tem-
escal, as resurveyed by me, 13.35
chs., S. 33 $\frac{3}{4}$ ° W. of cor. N^o. 3 of said rancho.
+ set post, 4 in. sq., 1 ft. in earth, 1 ft.
above earth mound, 4 $\frac{1}{2}$ ft. in dia. at
base, by 2 ft. in height, and dug pit,

S. B. T. 5 N., R. 18 W., S. B. M.

80.00

24 x 18 x 12, 8 lbs. dist., at 4 angles,
for cor. to fractional Secs. 1 and 36.

Set post, 4 in. sq., 1 ft. in earth, 1 ft.
above earth mound, $4\frac{1}{2}$ ft. in dia. at
base, by 2 ft. in height, and dug pits,
24 x 18 x 12, 8 lbs. dist., at 4 angles,
for cor. to secs. 1, 2, 35 + 36.

Land, mountainous.

Soil, 2^{nd} rate.

Timber and undergrowth of Live
Oak and Chaparral.

West, on S. Boundary of Sec. 35.

Var. 14° , 25° E.

Descend.

40.00

Set post, 4 in. dia., 1 ft. in earth, 1 ft.
above stone mound, 4 ft. in dia. at
base, by 2 ft. in height, for $\frac{1}{4}$ sec. cor.

At this point, the line passes over
heads of Cañadas and broken spurs,
impossible to run, I therefore run
North, 15.75 chs. to E. side of Cañada,
then run West on offset line through
Sec. 35.

2.00

Enter Cañada, bears N. E. + S. W.

3.25

Cross wash, 10 lbs. wide, course N. W.

6.00

Enter wash, and down same.

35.75

Leave " bears N. W. + S. E.

40.00

Not being able to run South to es-
tablish Sec. cor., I set Post, 4 in. sq.,
1 ft. in earth, 1 ft. above stone mound,
 $4\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height,

S. B. T. 5 N., R. 18 W., S. B. M.

322

for witness to cor. to secs. 2, 3, 34 & 35,
being 15.75 chs. North,

from which bears a
Live Oak, 36 in. dia., S. 7° E., 38 lts. dist.
Land mostly in Canada.

Soil, 1st rate.

Timber & undergrowth of Live Oak,
Cottonwood and Chaparral.

Offset to S. Boundary, T. 5 N., R. 18 W.,
San Bernardino M.

West, on offset line through Sec. 34.
Var. 14°, 25' E.

Down Canada.

15.70 To bank of Peru bottom.

20.00 To point in creek bottom. I here
offset back South, 15.75 chs. to S.
boundary of Tp., at foot of high
mountain, on E. side of Peru valley,
bears N. & S. — then, crossing valley,
proceed W. on S. boundary of Sec. 34.

23.00 Counting distance from true corner
to secs. 2, 3, 34 & 35.

Cross road, bears N. E. & S. W.

35.00 " " N. & S.

37.50 As the $\frac{1}{4}$ sec. cor. will fall in center
of creek, a place not suitable to build
mound, I here set post, 4 in. dia.,
1 ft. in earth, 1 ft. above stone mound,
4 ft. in dia. at base, by 2 ft. in height,
for witness to $\frac{1}{4}$ sec. cor.,

S. B. T. 5 N., R. 18 W., S. B. M.

323

- from which bears a
 Cottonwood, 18 in. dia., S. $1\frac{3}{4}^{\circ}$ W., 266 lbs. dist.
 37.75 Enter Wash of Peru Creek.
 * 39.50 To water, 100 lbs. wide, course S.
 40.00 Point for $\frac{1}{4}$ sec. cor.
 55.00 A valley, bears N. + S. and ascend.
 80.00 Set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, $4\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, for cor. to secs. 3, 4, 33 + 34.
 Land, rolling valleys - mountains elsewhere.
 Soil, $1\frac{5}{8}$ + $2\frac{1}{2}$ rate.
 Timber & undergrowth of Live Oak, Cottonwood, Sycamore, Willow and Chaparral.
-
- West, on S. boundary of Sec. 33.
 Var. 14° , 25° E.
 Ascend.
 9.50 Summit of ridge, bears N. E. + S. W.
 Thence along N. slope of same.
 34.00 Intersect W. boundary of Rancho Temeseal, 83.80 chs., S. $16\frac{1}{4}^{\circ}$ W., from T. N. 6, cor. N. 6 of said Rancho as resurveyed by me, and set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, $4\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, on side hill, sloping N. E. for corner to fractional secs. 4 and 33.
 36.00 Summit of same ridge, bears N. W. + S. E. and descend.

S. B. T. 5 N., R. 18 W., S. B. M.

324

40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for $\frac{1}{4}$ sec. cor.

50.50 Cross Creek, 10 lbs. wide, in deep ravine, course S. E. and ascend.

80.00 Set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, $4\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, for cor. to secs. 4, 5, 32 + 33.

Land, mountainous.

Soil, 2nd rate.

Timber and undergrowth of Live Oak, Cottonwood and Chaparral.

Dec. 4th 1879.

West, on S. Boundary of Sec. 32.

Var. 14° , 25° E.

Descend.

32.00 Cross ravine, course N. E. and ascend.

40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for $\frac{1}{4}$ sec. cor.

80.00 The point for cor. to secs. falling on steep side hill, a place not suitable to build mound. I continue West 37 lbs., and on summit of high ridge, bearing N. & S., Set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, $4\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, for witness to cor. to secs. 5, 6, 31 + 32.

Land, mountainous.

Soil, 2nd rate.

S. B. T. 5 N., R. 18 W., S. B. 16.

Timber & undergrowth of Live Oak & Chaparral.

West, on S. Boundary of Sec. 31.
Var. 14° , $25'$ E.

- .37 Witness post and descend.
8.00 Cross head of ravine, course N. and ascend.
10.50 Summit of ridge, bears N. W. & S. E. and descend.
40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for $\frac{1}{4}$ sec. cor.
54.00 Cross near head of ravine, course S. & ascend.
68.50 Summit of ridge, bears N. E. and S. W. and descend.
80.00 Set temp. cor. to sects. 1, 6, 31 & 36.
Land, mountainous.
Soil, 2nd rate.
Timber & undergrowth of Live Oak and Chaparral.

W. B. T. 4 N.
R 18 W. 5 B. 16.

North, on W. Boundary of Sec. 30.
Var. 14° , $25'$ E.

As all traces of cor. to sects. 19 and 30, on W. Boundary of Sp. have disappeared, in order to re-establish same, I begin at the cor. to sects. 25, 30, 31 & 36 & run North, on W. boundary of Sec. 30.
Var. 14° , $25'$ E.

- 40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft.

W. B. T. & N., R. 18 W., S. B. M.

326

- above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for $\frac{1}{4}$ sec. cor., 63 lks. S. W. of house of Manuel Real.
- 43.40 Cross road, bears E. & W.
- 52.50 House of P. Dominguez, 1.00 ch. E.
- 80.00 Set stone, $36 \times 12 \times 12$, in earth mound, $4\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, and dug pits, $24 \times 18 \times 12$, 8 lks. dist., at 4 angles, for cor. to sects. 19, 24, 25 & 30. Land, rolling valleys—mountainous elsewhere.
- Soil, $1\frac{5}{8}$ and $2\frac{1}{4}$ rate.
- Timber & undergrowth of Live Oak and Chaparral.

Dec. 5th. 1879.

North, on W. boundary of Sec. 19.

Bear. 14° . 25' E.

Descend.

- 10.00 Santa Clara Valley, bears E. and W. and ascend.
- 30.00 Summit of Spur, bears N. W. & S. E. and descend.
- 40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for $\frac{1}{4}$ sec. cor. in low sag and ascend.
- 69.50 Summit of ridge, bears N. E. & S. W. and descend.
- 80.00 Set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, $4\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, for cor. to sects. 13, 18, 19, 24.

W. B. T. & N., R. 18 N., S. B. M.

Land, mountainous.

Soil, 2nd rate.

Timber and undergrowth of Live Oak and Chaparral.

North, on N. boundary of Sec. 18.

Elev. 14°, 25° C.

Descend.

26.50 Cross ravine, course S. W. & ascend.

40.00 The point for $\frac{1}{4}$ sec. cr., falling on steep side hill, a place not suitable to build mound, I continue N. 7.50 chs. and set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for witness to $\frac{1}{4}$ sec. cr.

47.50 Witness post.

50.50 Summit of ridge, bears N. W. & S. W. and descend.

64.00 Cross head of small ravine, course E. & ascend.

70.00 Summit of ridge, bears E. and W. and descend.

77.00 Cross near head of ravine, course E. & ascend.

80.00 Set post, 4 in. sq. 1 ft. in earth, 1 ft. above earth mound, 4 $\frac{1}{2}$ ft. in dia. by 2 ft. in height, and dug pits, 24 x 18 x 12, 8 lks. dist., at 4 angles, for cr. to sect. 7, 12, 13 & 18.

Land, mountainous.

Soil, 2nd rate.

W. B. T. 4 N., R. 18 W., S. B. M.

328

Timber & undergrowth of Live Oak & Chaparral.

North, on W. Boundary of Sec. 7.
Var. $14^{\circ} 25' E.$

Ascend.

3.00 Summit of ridge, bears N. E. & S. W. & descend.

30.50 Cross ravine, course W. and ascend.

40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for $\frac{1}{4}$ sec. cor.

60.00 Summit of ridge, bears N. E. and S. W. and descend.

72.50 Cross ravine, course S. W. and ascend.

80.00 Set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, $4\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, for cor. to secs. 1, 6, 7 & 12.

Land, mountainous.

Soil, 2^{nd} rate.

Timber & undergrowth of Live Oak & Chaparral.

Dec. 6th 1879.

North, on W. Boundary of Sec. 6.

Var. $14^{\circ} 25' E.$

Ascend.

13.50 Summit of ridge, bears N. E. & S. W. & descend.

34.00 Cross ravine, course S. W. & ascend.

40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft. above

W. B. T. 4 N., R. 18 W., S. B. M.

329

stone mound, 4 ft. in dia. at base, by 2 ft. in height, for $\frac{1}{4}$ sec. cor.
 57.00 Summit of ridge, bears N. E. + S. W. and descend.
 95.80 Intersect N. Boundary of Tps. 7. 21 chs. E. of post set for Temp. cor. to Tps. 4 + 5 N., Rs. 18 + 19 W., in running S. boundary of T. 5 N., R. 18 W., and set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, 4 $\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, for cor. to Tps. 4 + 5 N., Rs. 18 + 19 W., making the length of the S. boundary of sec. 31, Tps. 5 N., R. 18 W., 72.79 chs.
 Land, mountainous.
 Soil, 2nd rate.
 Timber + undergrowth of Live Oak + Chaparral.

North, on W. boundary of sec. 31. on W. bdy
 T. 5 N. R. 18 W. Var. 14°, 25' E.

Ascend.

21.50 Summit of ridge, bears N. E. + S. W. and descend.

40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for $\frac{1}{4}$ sec. cor.

80.00 Set stone, 16 x 12 x 6, in stone mound, 4 $\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, for cor. to sects. 25, 30, 31 + 36.

Land, mountainous.

Soil, 2nd rate.

W. B. T. 5 N., R. 18 W., S. B. M.

330.

Timber + undergrowth of Live Oak + Chaparral.

North, on W. Boundary of Sec. 30.

Var. 14°, 25' E.

Ascend.

24.00 Summit of ridge, bears N. E. + S. W. and descend.

40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for $\frac{1}{4}$ sec. cor. and ascend.

50.00 Summit of same ridge, bears N. W. + S. E. and descend.

57.00 Cross head of ravine, course S. E. and ascend.

63.50 Summit of ridge, bears E. + W. + descend

80.00 Set Stone, 16 x 14 x 10, in stone mound, 4 $\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, for cor. to secs. 19, 24, 25 and 30.

Land, mountainous.

Soil, 2nd rate.

Timber and undergrowth of Live Oak and Chaparral.

North, on W. Boundary of Sec. 19.

Var. 14°, 25' E.

Ascend.

40.00 On summit of high ridge, bearing N. E. and S. W.; set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for $\frac{1}{4}$ sec. cor.

W. B. T. 5 N., R. 18 W., S. B. M.

331

and descend.

80.00

Set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, $4\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, for cor. to secs. 13, 18, 19 + 24.

Land, mountainous.

Soil, $2\frac{1}{4}$ rate.

Timber & undergrowth of Live Oak & Chaparral.

North, on W. Boundary of Sec. 18.

Var. 14° , 25° E.

Ascend.

20.00

Summit of ridge, bears N. W. & S. E.

22.00

Descend from same.

40.00

Set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for $\frac{1}{4}$ sec. cor.

58.00

Cross deep ravine, course N. E. & ascend.

80.00

Set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, $4\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, for cor. to secs. 7, 12, 13 + 18.

Land, mountainous.

Soil, $2\frac{1}{4}$ rate.

Timber & undergrowth of Live Oak & Chaparral.

Dec. 8th 1879.

North, on W. Boundary of Sec. 7.

Var. 14° , 25° E.

Ascend.

W. B. T. 5 N., R. 18 N., S. B. M.

332

40.00 Set-post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for $\frac{1}{4}$ sec. cor.

80.00 Set-post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, $4\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, for cor. to secs. 1, 6, 7 & 12.

Land, mountainous.

Soil, $2\frac{1}{2}$ rate.

Timber and undergrowth of Live Oak and Chaparral.

North, on W. Boundary of Sec. 6.

Var. 14° , 25° E.

Ascend.

23.50 Top of ridge, bears N. E. & S. W. & descend.

40.00 Set-post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for $\frac{1}{4}$ sec. cor.

78.50 Cross creek, 10 lbs. wide, course S. E. & ascend.

104.78 Intersect - $1\frac{1}{4}$ Standard line N. 8. 25 chs. E. of cor. to secs. 31 & 32 and set-post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, $4\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, for closing cor. to Tps. 5 N., Rs. 18 & 19 N., S. B. M.

Land, mountainous.

Soil, $2\frac{1}{2}$ rate.

Timber & undergrowth of Live Oak.

Sycamore, Willow & Chaparral.

Dec. 9th 1879.

333

W. Bdy. of Rancho Temescal.

From cor. No 6, I run
North, $52^{\circ} 15'$ East,

Near, $14^{\circ} 25'$ E.

Descend.

62.00

Cross Pem Creek, 1.50 chs. wide.

Thence, over broken hills.

166.00

Top of ridge, bears st. N. & S. E.

265.45

" " " " " N. & S. and descend.

346.98

To a point, where T. No 7, cor. No 7 of
said rancho, bears S. $37\frac{3}{4}^{\circ}$ E., 5.78 chs.
dist., which would make my corrected
course from

T. No 6 to T. No 7 bear

N. $53^{\circ} 12'$ E. 346.98 chs., instead of

N. $52^{\circ} 15'$ E., 335.35 " as called for
in final survey of Rancho Temescal.

Dec. 10th 1879.

Resurvey Rancho Temescal in T. 5 N.,
R. 17 W., S. B. M.

From cor. No 7 of the final survey of
Rancho Temescal, Corner No 1 is in
sight and bears N. $35\frac{1}{2}^{\circ}$ E., 185.75 chs. dist.

From Corner No 1, Corner No 2 is in
sight and bears S. $33\frac{1}{2}^{\circ}$ E., 175.11
chs. distant.

From Corner No 2, Corner No 3 is in
sight, and bears S. $44\frac{1}{4}^{\circ}$ W., 394.20
chs. distant.

N. B. T. 4 N., R. 19 W., S. B. M.

334

From the cor. to Tps. 4 & 5 N., Rs. 18 & 19 W., I run West, on a true line bet. secs. 1 & 36.
Var. 14° , $25'$ E.

Descend.

16.50 Cross Creek, 50 lbs. wide, course S. E. & ascend.

40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for $\frac{1}{4}$ sec. cor.

80.00 Set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, $4\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, for cor. to secs. 1, 2, 35 & 36.

Land, mountainous.

Soil, 2nd rate.

Timber & undergrowth of Live Oak, Sycamore and Chaparral.

West, on true line bet. secs. 2 & 35.

Var. 14° , $25'$ E.

Ascend.

40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for $\frac{1}{4}$ sec. cor.

55.00 Top of ridge, bears N. W. & S. E. and descend.

80.00 Set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, $4\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, for cor. to secs. 2, 3, 34 & 35.

Land, mountainous.

N. B. T. & N., R. 19 W., S. B. M.

335

Soil, $2\frac{1}{2}$ rate.

Timber and undergrowth of Live Oak and Chaparral.

West, on a true line bet. Secs. 3 & 34,
Var. 14° , $25'$ E.

Descend.

40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for $\frac{1}{4}$ sec. cr.

47.00 Cross near head of ravine, 10 lbs. wide, course S. E. and ascend.

80.00 Set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, $4\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, for cr. to Secs. 3, 4, 33 & 34.

Land, mountainous.

Soil, $2\frac{1}{2}$ rate.

Timber & undergrowth of Live Oak and Chaparral.

Dec. 11th 1879.

West, on a true line bet. Secs. 4 & 33.

Var. 14° , $25'$ E.

Descend.

13.00 Cross ravine, 15 lbs. wide, course S. W. and ascend.

26.50 Top of Spur, bears N. W. & S. E. and descend.

40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for $\frac{1}{4}$ sec. cr.

N. B. J. & N., R. 19 W., S. B. M.

336

- 58.40 Cross near head of ravine, 10 lbs. wide,
course S. E. and ascend.
- 80.00 Set post, 4 in. sq., 1 ft. in earth, 1 ft.
above stone mound; $4\frac{1}{2}$ ft. in dia. at
base, by 2 ft. in height, for cor. to sects.
4, 5, 32 + 33.
Land, mountainous.
Soil, $1\frac{5}{8}$ + $2\frac{3}{4}$ rate.
Timber and undergrowth of Live Oak
and Chaparral.

West, on a true line bet. sects. 5 + 32.

Var. 14° , $25'$ E.

Ascend.

- 16.50 Top of high ridge, bears N. + S. Descend.
- 40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft.
above stone mound, 4 ft. in dia. at base,
by 2 ft. in height, for $\frac{1}{4}$ sec. cor. + ascend.
- 48.50 To edge of abrupt bluff + descend.
- 80.00 Set post, 4 in. sq., 1 ft. in earth, 1 ft. above
stone mound, $4\frac{1}{2}$ ft. in dia. at base, by 2
ft. in height, for cor. to sects. 5, 6, 31 + 32.
Land, mountainous.
Soil, $1\frac{5}{8}$ + $2\frac{3}{4}$ rate.
Timber + undergrowth of Live Oak
and Chaparral.

West, on a true line bet. sects. 6 + 31.

Var. 14° , $25'$ E.

Along S. slope of mountain.

- 23.84 Intersect - Eastern boundary of Oak Flat
Oil claims, 17.95 chs. N. 26° E. of cor. N. 2

N. B. T. 4 N., R. 19 W., S. B. M.

of said claim, + set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, $4\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, for cor. to fractional secs. 6 + 31 - thence through claims.

34.97 Intersect W. boundary in course N^o 4 of said claim, 13.08 chs., N. 26° E., of cor. N^o 1. This point not being suitable to build mound, I continue + at

40.00 Set stone, 10 x 12 x 6, in stone mound, 4 ft. in dia. at base, by 2 ft. in height, for $\frac{1}{4}$ sec. cor.

41.75 Cross gulch, 10 lbs. wide, course S. W.

63.00 " " " " " " " " S. E. + ascend.

80.00 Set temp. cor. to Tps. 4 + 5 N., Rs. 19 + 20 W.

North, bet. Rs. 19 + 20 W. T. 4 N.

From the established cor. to secs. 1, 6, 7 + 12, I run

North, on a true line bet. secs. 1 and 6.

Var. 14° , $25'$ E.

Descend.

20.00 Enter Canada, course S. W.

21.30 Cross creek, 15 lbs. wide, course S. W. and ascend.

21.65 As the point for $\frac{1}{4}$ sec. cor. falls on steep side hill, a place not suitable to build mound, I here set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for witness to $\frac{1}{4}$ sec. cor. Finding the land too rough to con-

W. B. T. 4 N., R. 19 W. S. B. M.

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- time further, in order to obtain the distance, I return to cor. to secs. 6, 7, 1 and 12, on line bet. Rs. 19 + 20 W. + run a base line W., 10.00 chs., leave flag - then proceed N. on line bet. secs. 1 + 6, on S. slope of mountain, to a point, from which my flag left at end of 10.00 chs., bears S. $8^{\circ} 5'$ W., which wd. give a distance of
- 70.71 To the end of triangulation and set stone, $12 \times 10 \times 6$, marked by a X for end of triangulation. Then counting by measurement, ascend, counting distance from cor. to secs. 1, 6, 7 + 12.
- 94.40 Intersect N. Boundary of Tps. 1. 20 chs. E. of temp. cor. set, in running Northern Boundary of this Tps., + at point of intersection, set stone, $16 \times 12 \times 10$, in stone mound, $4\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, for closing cor. to Tps. 4 + 5 N., Rs. 19 + 20 W., which would make the line on N. Boundary of Sec. 6, 78.80 chs. long.
Land, mountains.
Soil, 2nd rate.
Timber + undergrowth of Live Oak + Chaparral.
- Dec. 12th 1879.

57.19 W North, on W. Boundary of Sec. 31,
Bear. $14^{\circ} 25'$ E.

Ascend.

40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft.

W. B. T. 5 N., R. 19 W., S. B. M.

- above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for $\frac{1}{4}$ sec. cr.
- 49.50 Cross head of ravine, 10 lbs. wide, course S. E. & continue ascent.
- 67.00 Summit of ridge, bears E. & W., and descend.
- 80.00 Vet. post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, $4\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, for cr. to sects. 25, 30, 31 & 36.
- Land, mountainous.
- Soil, 2^{nd} rate.
- Timber and undergrowth of Live Oak, and Chaparral.

* North, on W. Boundary of Sec. 30.
Var. 14° , 25° E.

Descend.

- 40.00 Vet. post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for $\frac{1}{4}$ sec. cr.
- 48.00 Cross ^{Var} Far Creek in Cañada, course South West.
- 48.75 Leave Cañada & ascend.
- 80.00 Vet. post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, $4\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, for cr. to sects. 19, 24, 25 & 30.
- Land, mountainous except in valley.
- Soil, 1^{st} & 2^{nd} rate.
- Timber and undergrowth of Live Oak,

W. B. T. 5 N., R. 19 W., T. 36 N.

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Lycamore, Willow & Chaparral.

North, on W. Boundary of Sec. 19.

Var. 14° 25' E.

Ascend.

40.00 Set stone, 12 x 10 x 8, in stone mound, 4 ft. in dia. at base, by 2 ft. in height, for $\frac{1}{4}$ sec. cr.

80.00 Set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, 4 $\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, for cr. to secs. 13, 18, 19 & 24.

Land, mountainous.

Soil, 2 $\frac{2}{3}$ rate.

Timber and undergrowth of Live Oak and Chaparral.

* North, on W. Boundary of Sec. 18.

Var. 14° 25' E.

Ascend.

18.00 Summit of high ridge, bears N. W. & S. E. and descend.

40.00 Set post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for $\frac{1}{4}$ sec. cr.

75.00 Cross gulch, 15 lbs. wide, course S. E. and ascend.

80.00 Set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, 4 $\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, for cr. to secs. 7, 12, 13 & 18.

Land, mountainous.

W. B. T. S. N., R. 19 W., S. B. M.

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Soil, $2\frac{1}{2}$ rate.

Timber & undergrowth of Live Oak and Chaparral.

Dec. 13th 1879.

North, on W. Boundary of Sec. 7.

Var. 14° , $25'$ E.

Ascend.

40.00 Set-post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for $\frac{1}{4}$ sec. cr.

62.50 Summit of ridge, bears N. E. & S. W. and descend.

80.00 Set-post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, $4\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, for cr. to secs. 1, 6, 7 & 12.

Land. mountainous.

Soil, $2\frac{1}{2}$ rate.

Timber & undergrowth of Live Oak and Chaparral.

North, on W. Boundary of Sec. 6.

Var. 14° , $25'$ E.

Descend.

40.00 Set-post, 4 in. dia., 1 ft. in earth, 1 ft. above stone mound, 4 ft. in dia. at base, by 2 ft. in height, for $\frac{1}{4}$ sec. cr.

49.00 Cross ravine, 15 lks. wide, course S. W. and ascend.

104.20 Intersect $1\frac{1}{2}$ Standard line North, 10.50 chs. E. of cr. to secs. 31 and 32 &

W. Boundary T. 5 N., R. 19 W. S. B. M.

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Set post, 4 in. sq., 1 ft. in earth, 1 ft. above stone mound, $4\frac{1}{2}$ ft. in dia. at base, by 2 ft. in height, for closing cor. to Tps. 5 N., R. 19 + 20 W.

Land, mountainous.

Soil, 2^{nd} rate.

Timber & undergrowth of Live Oak and Chaparral.

Dec. 15th 1879.

U. S. Surveyor-General's Office,

San Francisco, Cal.

July 17 1880

The foregoing Field Notes of the Surveys of a portion of the
Exterior Lines of Townships 4-5 North
Ranges 17-18-19 W.

San Bernardino - Meridian

in the State of California, executed by

George O. Collins

U. S. Deputy Surveyor, under his contract dated

November 22 1879

having been critically examined, and the necessary corrections and explanations
made, the said Field Notes and the Surveys they described are hereby approved.

Theo. Wagner

U. S. Surveyor-General for California.

U. S. Surveyor-General's Office.

San Francisco, Cal.

Sept 13 1880

I, THEO. WAGNER, U. S. Surveyor-General for California, do hereby certify
that the foregoing Transcript has been correctly copied from the original Field
Notes, as the same remain of record and on file in this office.

Attest my hand and official seal

the day and date herein above written.

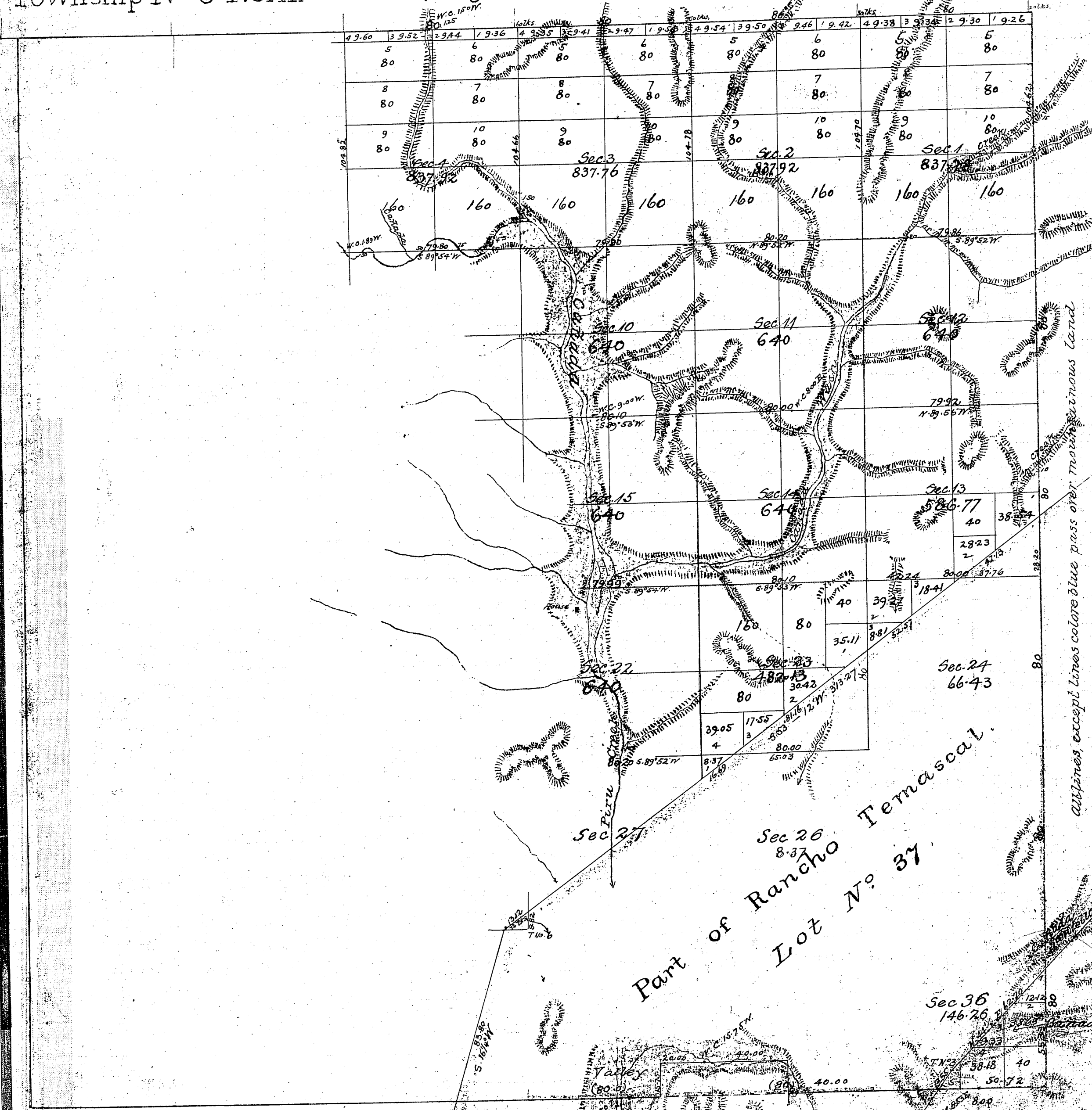
Theo Wagner

U. S. Surveyor-General for California.

T5N
R18W
①

Township N° 5 North

Range N° 18 West, San Bernardino Meridian.



Surveys Designated	By whom surveyed	Date of Contract	Dist. of Surveys	When surveyed
Boundaries of Lots Nos 37	G. H. Thompson	(Incl.) May 6 th 1867	5 m. 71 chs. 95 lks.	1867
North boundary of Township	Geo. S. Collins	October 21 st 1879	3 " 00 " 00 "	1879
Township lines Cal. blue	"	"	15 " 49 " 40 "	"
Rest of Township lines	"	"	5 " 72 " 62 "	"
Ranch lines - re-surveyed	"	"	49 " 79 " 80 "	1880
Section line - Cal. blue	"	"	1 " 13 " 49 "	Feb 5 th 1880
Rest of Section lines	"	"	"	"
Connections Cal. red	"	"	"	"

all lines, except lines colored blue pass over mountainous land
Variation reported by Collins 14° 25' East.

Part of Rancho Temascal.
Lot N° 37.

County line passes diagonally through Secs 4 to 36

Recd & Filed Sept 6th 1880

Aggregate area of Public Land 19,541.51 acres.
Estimated " " Private Grant 4,326.38
Aggregate 23,867.89

Lines of Secs. 1, 2, 3, 10, 11, 12, 13, 14, 15, 22, 23, 24, 26, 27 & 36 C.S. 9233
R. Temascal C.S. 9241 - Interior Sec lines C.S. 9286
Sections 1 to 6 incl. - C.S. 9374
Bdy line of the San Gabriel National Forest - C.S. 9389
First Standard Parallel North - C.S. 9402

Signed
Theo. Wagner
Survey Genl. Cal.