

#267

December 6, 1916.

Col. Ed Fletcher,
San Diego, Cal.

Dear Sir:

I have investigated the territory along the route proposed for the new Escondido - Del Mar Road relative to ascertaining the probable cost of bridges and drainage for same and find that \$10,000 will be ample to cover this item. Same to includ repairing the bridge at Del Mar; constructing three thirty-five foot pile bridges over ravines at various places and placing corrugated iron culverts wherever necessary. This will give an average cost of about \$525 per mile for pile bridges and drainage.

Yours truly,

Assistant Engineer
Volcan Land & Water Co.

Escondido Del Mar Road Survey.
Del Mar to East Line San Diego Rancho.

#267

7128#	24 - 12"	Culverts	648 @ .90	583.20
2912#	6 - 18"	Culverts	182 @ 1.29	234.78
3096#	2 - 36"	Culverts	80 @ 2.95	236.00
	1 - 30'	Pile Bridge	@ 10.00	
	24000 #	Freight	@ .20	48.00
13136#	@ .50	Freight		65.68
	Placing 32	Culverts	@ \$6.00	192.00
				<u>1659.66</u>

East Line San Diego Rancho
to Tom Carrolls House

7084#	17 - 12"	Culverts	644 ft @ .90	579.60
5440#	9 - 18"	Culverts	340 ft @ 1.29	438.60
940#	1 - 24"	Culvert	40 ft @ 1.85	74.00
6192#	4 - 36"	Culverts	160 ft @ 2.95	472.00
19656#	@ .50	Freight		98.28
	Placing 31	Culverts	@ 6.00	186.00
				<u>1848.48</u>

Tom Carrolls House to
City Limits of Escondido.

5 - 12"	Culverts	134 ft @ .90	120.60	
3 - 18"	"	94 ft @ 1.29	121.26	
3 - 24"	"	90 ft @ 1.85	166.50	
2 - 36"	"	64 ft @ 2.95	188.80	
1 - 30'	Pile Bridge	@ \$10.00		
	24000 #	Freight	@ .20	348.00
1 - 50'	Pile Bridge	@ 10.00		
	40000 #	Freight	@ .20	580.00
				<u>1525.16</u>

\$5033.30

Allowance for riprapping culverts, repairing
Del Mar bridge & all incidentals 100% or \$10,000.00

#267

December 6, 1916.

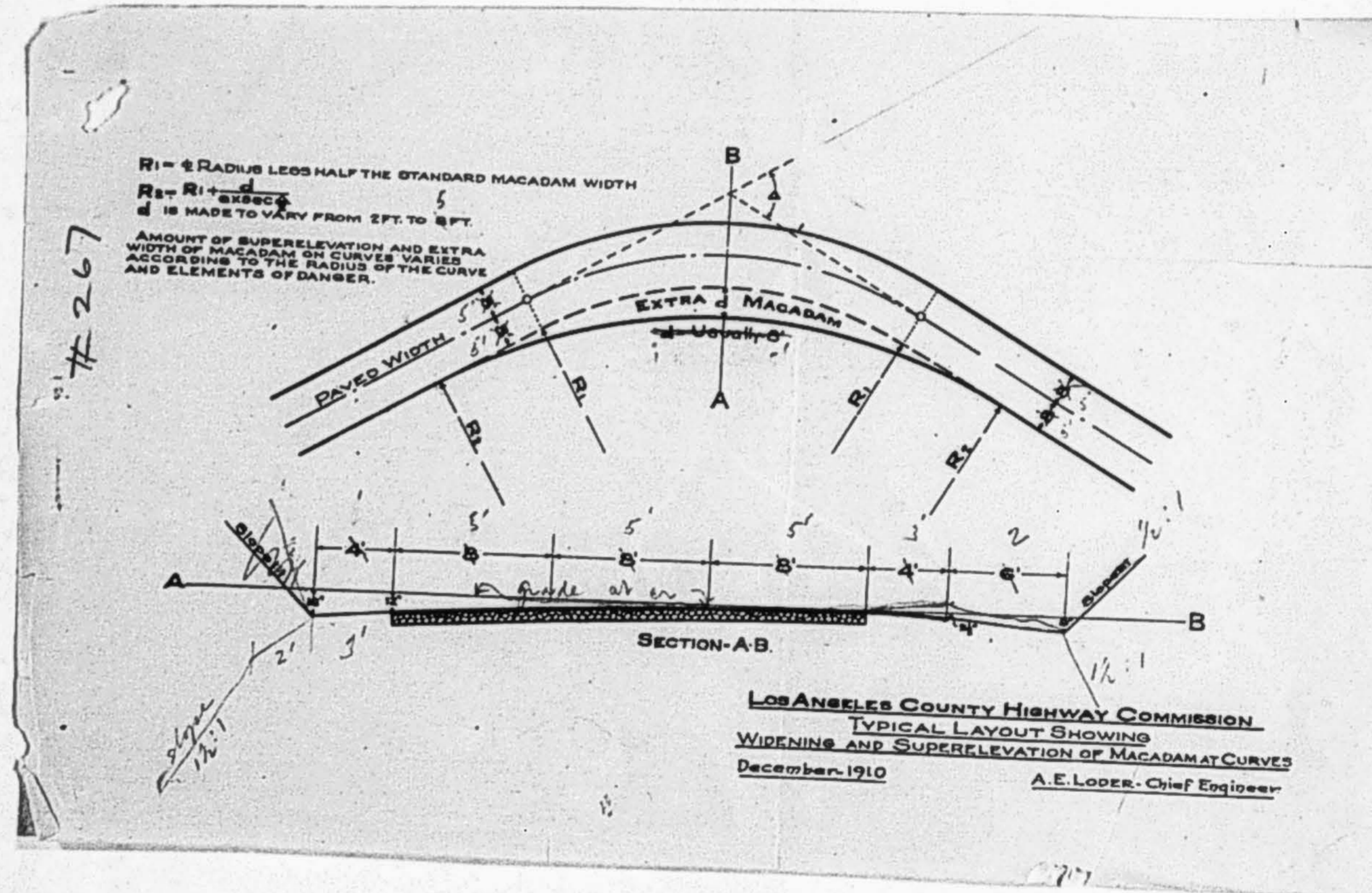
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San Diego, Cal.

Dear Sir:

I have investigated the territory along the route proposed for the new Escondido - Del Mar Road relative to ascertaining the probable cost of bridges and drainage for same and find that \$10,000 will be ample to cover this item. Same to includ repairing the bridge at Del Mar; constructing three thirty-five foot pile bridges over ravines at various places and placing corrugated iron culverts wherever necessary. This will give an average cost of about \$525 per mile for pile bridges and drainage.

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Assuming that \$190,000, 6%, 20 year bonds are issued, payment whereof is to be raised on a district containing 34,000 acres of land with an assessed valuation of \$326,000, the rate on each \$100 of valuation and the cost per acre of land for the various years would be approximately as follows:

YEAR	RATE PER \$100	COST PER ACRE.
1st-	\$6.41	60 Cents
2nd-	6.23	59 "
3rd-	6.06	58 "
4th-	5.88	57 "
5th-	5.71	56 "
6th-	5.53	55 "
7th-	5.36	54 "
8th-	5.18	53 "
9th-	5.01	52 "
10th-	4.83	51 "
11th-	4.66	50 "
12th-	4.48	49 "
13th-	4.31	48 "
14th-	4.13	47 "
15th-	3.96	46 "
16th-	3.78	45 "
17th-	3.61	44 "
18th-	3.43	43 "
19th-	3.26	42 "
20th-	3.08	41 "

Conduit/Right of way through San Dieguito Rancho. #267

all that certain strips of land situate, lying and being in the Rancho San Dieguito as per patent issued by the United States of America to Dona Juliana Oguna, April 18, 1871, recorded February 27-1875, of record in book 1, page 227, of Patents. Records of San Diego County California. said strips of land being 50 ft wide and lying 25 ft on either side of a center line said center line being described as follows to-wit.

Beginning at a point on the East line of said Rancho San Dieguito, whence cor No 8 of said Rancho bears $N 4^{\circ} 50' W$ 3037.8 feet.

Thence

N	$73^{\circ} 15' W$	299.55	feet.
"	N	$82^{\circ} 15' W$	359.65 "
"	S	$78^{\circ} 15' W$	142.70 "
"	S	$58^{\circ} 30' W$	94.55 "
"	N	$87^{\circ} 28' W$	1046.08 "
"	N	$77^{\circ} 25' W$	93.72 "
"	N	$27^{\circ} 09' W$	164.1 "
"	N	$5^{\circ} 38' E$	244.25 "
"	N	$10^{\circ} 28' W$	217.95 "
"	N	$75^{\circ} 38' W$	472.00 "
"	N	$83^{\circ} 51' W$	366.00 "
"	N	$68^{\circ} 06' W$	372.90 "

to a point on tangent with a course known to be $N 28^{\circ} 22' E$ 142.3 feet of Property Reservation of Upper San Dieguito Reservoir. whence angle

267
point of said Property Reservation line
bears N 28° 22' E 111.8 feet.
Containing 4.45 Acres more or less

267
CONDUIT RIGHT OF WAY THROUGH SAN DIEGUITO RANCHO

All that certain strip of land situate, lying and being in the Rancho San Dieguito as per patent issued by the United States of America to Dona Juliana Ozuna, April 18, 1871, recorded February 27, 1875, of record in Book 1, page 227, of Patents, Records of San Diego County, California, said strip of land being 50 feet wide and lying 25 feet on either side of a center line, said center line being described as follows, to-wit:

Beginning at a point on the East line of said Rancho San Dieguito, whence corner No. 8 of said Rancho bears North 4° 50' West 2,037.8 feet;

Thence North 73° 15' West 299.55 feet;

Thence North 82° 15' West 359.65 feet;

Thence South 78° 15' West 142.70 feet;

Thence South 58° 30' West 94.55 feet;

Thence North 87° 28' West 1046.08 feet;

Thence North 77° 25' West 93.72 feet;

Thence North 27° 09' West 164.1 feet;

Thence North 5° 38' East 244.25 feet;

Thence North 10° 28' West 217.95 feet;

Thence North 75° 38' West 472.00 feet;

Thence North 83° 51' West 366.00 feet;

Thence North 68° 06' West 372.90 feet to a point on tangent

with a course known to be North 28° 22' East 142.3 feet of property Reservation of Upper San Dieguito Reservoir, whence angle point of said property reservation line bears North 28° 22' East 111.8 feet.

Containing 4.45 acres more or less.

CONDUIT RIGHT OF WAY THROUGH SAN DIEGUITO RANCHO

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Thence North 87° 28' West 1045.08 feet;

Thence North 77° 25' West 93.72 feet;

Thence North 27° 09' West 164.1 feet;

Thence North 5° 38' East 244.25 feet;

Thence North 10° 28' West 217.95 feet;

Thence North 75° 38' West 472.00 feet;

Thence North 83° 51' West 366.00 feet;

Thence North 68° 06' West 372.90 feet to a point on tangent

with a course known to be North 28° 22' East 142.3 feet of property Reservation of Upper San Dieguito Reservoir, whence angle point of said property reservation line bears North 28° 22' East 111.8 feet.

Containing 4.45 acres more or less.

HIGHWAY RIGHT OF WAY THROUGH CHARLES E. MEAD PROPERTY

ROAD IMPROVEMENT DISTRICT NO. 3 - SURVEY NO. 332.

All that certain strip of land situate, lying and being in Northeast quarter of Northeast quarter of Section 32, Township 12 South, Range 2 West, S. B.M., said strip of land being 50 feet wide and lying on either side of its center line, said center line being described as follows, to-wit:

Beginning at a point on the west line of Northeast quarter of Northeast quarter of Section 32, Township 12 South, Range 2 West, S.B.M., whence the Northwest corner of Northeast quarter of Northeast quarter of Section 32, Township 12 South, Range 2 West, S.B.M., bears North 138.98 feet;

Thence South 53°00' East 303.13 feet, to the beginning of a 100 foot Radius curve to the left 95.70 feet;

Thence North 72° 10' East 445.19 feet to the beginning of a 300 foot Radius curve to the right 154.46 feet;

Thence South 78° 20' East 452.70 feet to the intersection of the west line of Rancho San Bernardo, whence closing corner common to Sections 28, 33, Township 12 South, Range 2 West, S.B.M., bears North 11° 33' East 296.35 feet;

Containing 1.66 acres, more or less.

In the Matter of Road Improvement District No. 3

Del Mar - Esccondido Highway

Rights of Way

The present county road right of way between Del Mar and the Sanblizinto Rancho is available for the building of the Del Mar - Esccondido Highway and likewise the County Road between Crescent Valley and the Esccondido City limits. The easements necessary to complete a continuous right of way between these points ^(and Bernardo) together with an additional easement for straightening the alignment at Del Mar ^{and} had been given. These together with their costs are listed below.

No.	Name of grantor	Location (S.P.M.)	Cost.
1	S. C. L. Co.	Arden Hts. No. 6	—
2	S. F. C. Imp. Co.	Rd. San Blizinto	—
3	Louis Weller	Pt. 22-13-3W	150 (?)
4	Geo. F. Staat	Pt. 14-13-3W	—
5	W. G. Henshaw	From Staat to Bernardo	—
6	U. S. Govt.	{ Pt. 13+14, 13-3W	—
7	Mrs. H. B. Gips	{ Pt. 18, 13-2W	—
8	Aug. Jungnitzsch	Pt. 32, 12-2W	—
9	J. B. Carroll	do	75
10	L. S. Leonard	do	150
11	M. V. Leonard	do	—
12	A. H. Hager	Pt. 312 R & R. Del. D	300
13	Case Estate	Pt. Sec 29-12-2W	350
			<u>\$ 1025</u>

The estimate amount necessary ~~is~~ to cover the cost of drainage is approximately \$ 22,328

The portion of this amount necessary to cover the installation of all corrugated metal pipe up to a diameter of 30" = \$ 12,863

The balance of \$ 9,465 applies as follows: —

Bridges & Special Water Ways

Copy from page 15 my report.

ESTIMATE OF
WORK DONE ON STATE HIGHWAY

STATE OF CALIFORNIA
DEPARTMENT OF ENGINEERING
CALIFORNIA HIGHWAY COMMISSION

CONTRACTOR _____

CONTRACT NO. 30
LAYOUT NO. 792
ESTIMATE NO. 1

DIVISION VII COUNTY S.D.

ROUTE 4 SECTION C FROM

191 TO

191

FORM NO. A229

QUANTITIES OF THIS ESTIMATE	QUANTITIES PREVIOUSLY ESTIMATED	TOTAL QUANTITIES ESTIMATED TO DATE	UNITS	ITEMS	CONTRACT PRICES	AMOUNTS AT CONTRACT PRICES	REMARKS
				EXTRA WORK			
				Total Work Done			
				Total Materials on Hand			
				TOTAL			

MADE BY

CHECKED BY

Total Value to Date
Deductions 15 Per Cent of Work Done
Deductions 50 Per Cent of Materials on Hand
Materials bought for the Contractor by the State

Total Deductions
Total Due to Date
Previous Payments

BALANCE DUE ON THIS ESTIMATE

This Estimate Approved

, 191 , for \$

HIGHWAY ENGINEER

APPROVED:

Division Engineer

AUDITED:

Chief Accounting Officer

CALIFORNIA
HIGHWAY
COMMISSION

DIVISIONS OF WORK

FROM STATION

TO STATION

QUANTITIES (APPROX.)

RATES
PER
HOUR
OR
UNIT

Superintendent

Timekeepers

Watchmen

Water boys

Foremen

Blacksmiths

" Helpers

Carpenters

" Helpers

Powdermen

Drillers

" Helpers

2H. plow and Driver

4H. " " "

Plowholders

3H. Snatch and Driver

2H. Wheeler and Driver

Wheeler Loaders

" Dumpers

2H. Fresnos and Drivers

4H. " " "

Fresno Loaders

" Dumpers

1H. Carts and Drivers

2H. Wagons and Drivers

4H. Frt. Wagons & "

4H. Water " " "

4H. Oil " " "

Motor Truck and Driver

Traction Engine & "

Steam Roller " "

Road Grader " "

" " Operator

Concrete Mixer

Stone Crusher

Scarifier

*See duplicate
one in field
one in office file*

STATE OF CALIFORNIA
DEPARTMENT OF ENGINEERING
CALIFORNIA HIGHWAY COMMISSION

BROUGHT FORWARD

Asphalt Plant

Asph. Oil Pump

Water Pump

Oil Spreader

Macadam Spreaders

Sand Spreaders

Screenings Spreaders

Laborers

Powder

Dynamite

Caps and Fuses

Broken Stone

Screenings

Sand

Filler (Bit. M't'l)

Gravel

Cement

Lumber and Nails

Corr. Iron Pipe

Mastic

Asphaltic Oil

Benzine

Water (for road)

" (for boilers)

Fuel

Rent of Equipment

TOTALS

NOTES AND EXPLANATIONS

MADE UP BY

CHECKED BY

APPROVED BY

RESIDENT ENGINEER

STATE OF CALIFORNIA
DEPARTMENT OF HIGHWAYS
DIVISION OF CONTRACTS

ITEMS	FROM STA.	TO STA.	APPROX. QUANTITIES	COST	PER UNIT	AMOUNT
Excavation						
Common						
Loose Rock						
Solid Rock						
Borrow						
Corrugated Iron Pipe						
Cement Concrete (Cul. and Mon.)						
Barrel						
Heading						
Retaining Walls						
Monuments						
Cement Concrete (Pav.)						
Subgrade						
Headers						
Mixing and Placing						
Gravel						
Broken Stone						
Bituminous Surface						
Resetting Fences						
Guard Rail						
Monuments (Placing)						
Extra Work (Net)						
General Expense						
TOTAL						

NOTES AND EXPLANATIONS

MADE UP BY _____ CHECKED BY _____ APPROVED BY _____
RESIDENT ENGINEER

STATE OF CALIFORNIA
DEPARTMENT OF ENGINEERING
CALIFORNIA HIGHWAY COMMISSION

ITEMS	APPROXIMATE PAY QUANTITIES, ETC.				
	CONTRACTOR FURNISHED	THIS ESTIMATE	PREVIOUSLY EST.	TOTAL TO DATE	AMOUNT
Grading				Miles	
Earth Excavation				Cu. Yds.	
Loose Rock				" "	
Solid Rock				" "	
Corr. Iron Pipe-----in.				Lin. Ft.	
Cement Concrete Class A				Cu. Yds.	
" " " B				" "	
" " " C				" "	
Broken Stone				Tons	
Asphaltic Oil				Bbls.	
Broken Stone Screenings				Tons	
Sand				Cu. Yds.	
Guard Rail				Lin. Ft.	
Monuments				Each	
Extra Work					
TOTAL					

*Made in triplicate
one in field
one for office file
one to main office*

STATE FURNISHED	AMOUNT
Broken Stone	Tons
Gravel	Cu. Yds.
Sand	" "
Cement	Bbls.
TOTAL	

APPROXIMATE VALUE OF WORK TO DATE \$

RECORD OF EMPLOYEES OF THE COMMISSION FOR THE WEEK

NAMES	OCCUPATIONS	ENTITLED TO PAY FOR					
		SUN.	MON.	TUES.	WED.	THUR.	FRI.

MADE UP BY _____ CHECKED BY _____ APPROVED BY _____
RESIDENT ENGINEER

State of California,
County of San Diego. }

..... County Surveyor,

and

having been by an order of the Board of Supervisors duly entered on the

day of A. D. 189___, appointed viewers to view, survey and locate a certain road as described in the annexed petition, being duly sworn each for himself, depose and say that they will each discharge the duties imposed on them according to law, and to the best of their ability, that they will fairly and honestly view, survey and locate said road in accordance with the prayer of said petition.

That we are not directly or indirectly interested in the survey and location of said road.

Subscribed and sworn to before me this }

day of A. D. 189.... }

Subscribed and sworn to before me this }

day of A. D. 189.... }

N77°20'E 244.0
N70°14'E 431.2 + T85.26
S85°42'E

N63°05'E
360.8

PC 551+65.74
PT 553+33.76

#267

$$\begin{array}{r}
 53636 \\
 26818 \\
 26818 \\
 \hline
 53636
 \end{array}$$

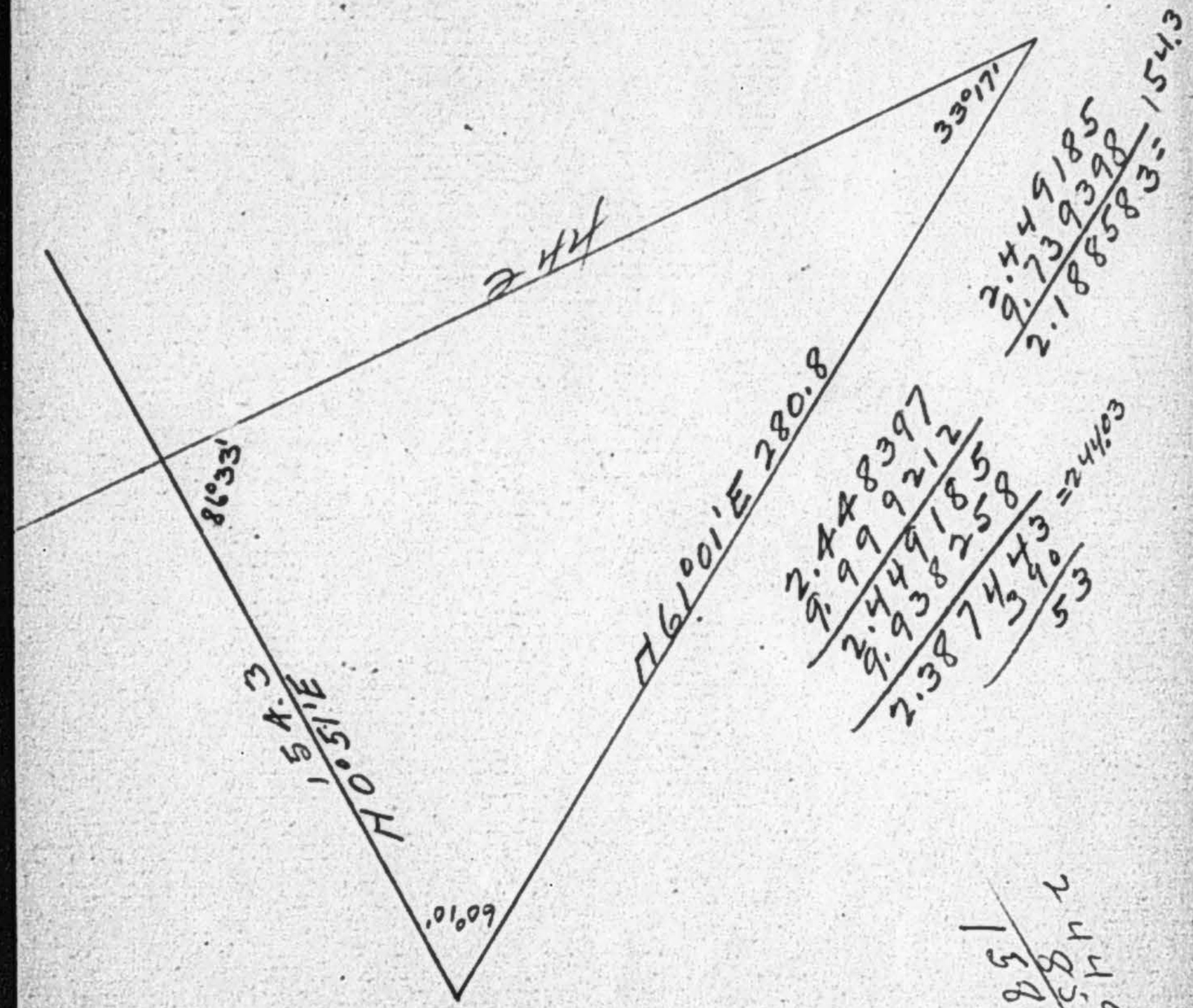
$$\begin{array}{r}
 1.107210 \\
 2.660581 \\
 \hline
 8.446629 = 1036'
 \end{array}$$

$$\begin{array}{r}
 005181 \\
 385 \\
 \hline
 3.005566
 \end{array}$$

$$\begin{array}{r}
 2.660581 \\
 3.005566 \\
 \hline
 9.655015 = 24019'
 \end{array}$$

$$\begin{array}{r}
 3.005566 \\
 9.959654 \\
 \hline
 3.045912 = 1111.5 \\
 714 \\
 \hline
 198
 \end{array}$$

#267



$$\begin{array}{r}
 24403 \\
 15826 \\
 \hline
 96529
 \end{array}$$

28°54'	61°24'	89°51'
478'	60°52'	4489
<hr/>		<hr/>
3377		85°51'
		60°52'
		33°17'
		<hr/>
		18000

2448397
<hr/>
9998860
<hr/>
2449537
<hr/>
9941258
<hr/>
2390795 =
245.9

2449537	33
<hr/>	
91739398	
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2188935 = 154.5	

4/53'63.6
<hr/>
1340.9
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1340.9
<hr/>
2681.8

4/53'96.1
<hr/>
1349.0
<hr/>
1349
<hr/>
2698
51
N 0°09'E
<hr/>
42

21	.09
<hr/>	
10	21
	<hr/>
	30

2679.8
<hr/>
2636.1
<hr/>
531.59
<hr/>
2657

2658
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2679.8
<hr/>
5337.8
<hr/>
2668.9

Description of Proposed

ESCONDIDO - DEL MAR ROAD DISTRICT

Dec. 4, 1916.

Beginning at the point of intersection of the South Line of Section 14, Township 14 South, Range 4 West, S.B.M. with the mean high tide line of the Pacific Ocean; thence East along the South line of said Section 14 to the Southeast corner of said Section; thence north along the east line of said Section 14 to the northeast corner thereof, thence easterly along the south line of Section 12, Township 14 South, Range 4 West, S.B.M., and the south line of Section 7, Township 14 South, Range 3 West, S.B.M., to the southeast corner of said Section 7. Thence north along the east line of said Section 7 to the quarter corner common to Sections 7 and 8, Township 14 South, Range 3 West, S.B.M., thence east along the east and west center line of said Sections 8 and 9 of said Township 14 South, Range 3 West, S.B.M., to the quarter corner common to (said) Sections 9 and 10. Thence north along the east line of said Section 9 to the northeast corner thereof. Thence east along the south line of Section 3, Township 14 South, Range 3 West, S.B.M., to the southeast corner of said Section 3. Thence north along the east line of said Section 3 to the northeast corner thereof. Thence east along the south line of Section 35, Township 13 South, Range 3 West, S.B.M., to the southeast corner of said Section 35; thence north along the east line of said Section 35 to the northeast corner thereof. Thence east along the South line of Section 25, Township 13 South, Range 3 West, S.B.M., and Section 30, Township 13 South, Range 2 West, S.B.M., to its intersection with the westerly line of the Rancho San Bernardo, thence northerly along the said westerly line of Rancho San Bernardo

to its intersection with the south line of Section 17, Township 13 South, Range 2 West, S.B.M. Thence east 2 miles more or less to the east line of Mary Louise Chapman tract as per Book 372, page 59 of Deeds, Records of San Diego County, California, in said Rancho San Bernardo. Thence northerly along said east line of the Mary Louise Chapman tract to the center line of the San Bernardo river. Thence easterly and following the meanderings of the center line of the said San Bernardo River to its intersection with the westerly line of the County Highway, Route 3, Division 1. Thence northerly along the westerly line of said County Highway and said County Highway as extending northerly and forming a part of Nutmeg Street as being and existing at Book 15, Maps 724 and 725 of Records in Recorder's Office in the County of San Diego, to its intersection with the southeasterly line of the City limits of the City of Escondido as being and existing on Idaho Street of said City. Thence southwesterly and northerly along the line of said City limits of Escondido to its intersection with the center line of an unnamed street adjacent to and adjoining Blocks 313 and 312 on the north as per Map 724, Records of San Diego County, California. Thence in a westerly direction along the center line of said unnamed street as shown on said Map 724, Book 15 of Maps, Records of San Diego County, California; said unnamed street being north of and adjacent to Blocks 313, 312, 309 and 308, to an intersection with the center line of an unnamed street west of said Block 308. Thence southerly along said center line of said unnamed street to the intersection of the center line of street shown north of and adjoining Block 143 of said Map 724. Thence westerly along said center line to an intersection with the westerly line of the Rancho Rincon Del

Diablo; thence southerly along said westerly line of Rancho Rincon Del Diablo to its intersection with the northerly line of Section 29, Township 12 South, Range 2 West, S.B.M.; thence westerly along said line to the northwest corner of said Section 29. Thence westerly along the north line of Section 30, Township 12 South, Range 2 West, S.B.M. to the quarter corner common to Sections 19 and 30, Township 12 South, Range 2 West, S.B.M. Thence southerly along the north and south center line of said Section 30 and 31, Township 12 South, Range 2 West, S.B.M. to the quarter corner of Section 31, on the south line of said Section 31; thence southerly to the quarter corner common to ~~the~~ Section 6 and Section 7, Township 13 South, Range 2 West, S.B.M. Thence west along the northerly line of said Section 7 to the northwest corner thereof; thence south along the westerly line of said Section 7 to the quarter corner common to said Section 7 and Section 12, Township 13 South, Range ² West, S.B.M. Thence westerly along the east and west center lines of said Section 12 and 11 said Township 13 South, Range 3 West, S.B.M., to the quarter corners common to said Sections 11 and 10 said Township 13 South, Range 3 West, S.B.M. Thence southerly along the westerly line of said Section 11 to the Southwest corner thereof; thence west along the north line of Section 15, Township 13 South, Range 3 West, S.B.M. to a point 2200 feet east of the northwest corner thereof. Thence in a southerly direction to corner No. 8 of Rancho San Dieguito; thence westerly along the boundary line of said Rancho San Dieguito to corner No. 7 of said Rancho; thence northwesterly along the boundary line of said Rancho San Dieguito to corner No. 6 of said Rancho; thence southwesterly along the boundary of said Rancho San

Dieguito to corner No. 5 of said Rancho; thence southerly along the boundary of said Rancho San Dieguito to corner No. 4 of said Rancho. Thence southeasterly along the boundary line of said Rancho San Dieguito to its intersection with the east line of Section 25, Township 13 South, Range 4 West, S.B.M.; thence southerly along the easterly line of said Section 25 and the westerly line of Section 31, Township 14 South, Range 3 West, S.B.M., to the southwest corner of said Section 31; thence westerly along the northerly line of Section 1, Township 14 South, Range 4 West, S.B.M., to the northwest corner of said Section 1. Thence southerly along the westerly line of said Section 1 to the quarter corner common to said Section 1 and Section 2, Township 14 South, Range 4 West, S.B.M.; thence westerly along the east and west center line of said Section 2 to the center of said Section 2; thence southerly along the north and south center line of said Section 2 to the quarter corner common to said Section 2 and Section 11, Township 14 South, Range 4 West. Thence westerly along the northerly line of said Section 11 to its intersection with the mean high tide line of the Pacific Ocean. Thence southerly following the mean high tide line of the Pacific Ocean to the point of beginning.

The following figures are submitted by Charles C. Grouch, Attorney.

Assuming that \$190,000, 6%, 20 year bonds are issued, payment whereof is to be raised on a district containing 34,000 acres of land with an assessed valuation of \$326,000, the rate on each \$100 of valuation and the cost per acre of land for the various years would be approximately as follows:

YEAR	RATE PER \$100	COST PER ACRE.
1st-	\$6.41	60 cents
2nd-	6.23	59 "
3rd-	6.06	58 "
4th-	5.88	57 "
5th-	5.71	56 "
6th-	5.53	55 "
7th-	5.36	54 "
8th-	5.18	53 "
9th-	5.01	52 "
10th-	4.83	51 "
11th-	4.66	50 "
12th-	4.48	49 "
13th-	4.31	48 "
14th-	4.13	47 "
15th-	3.96	46 "
16th-	3.78	45 "
17th-	3.61	44 "
18th-	3.43	43 "
19th-	3.26	42 "
20th-	3.08	41 "

IN THE MATTER OF ROAD IMPROVEMENT DISTRICT NO. 3.

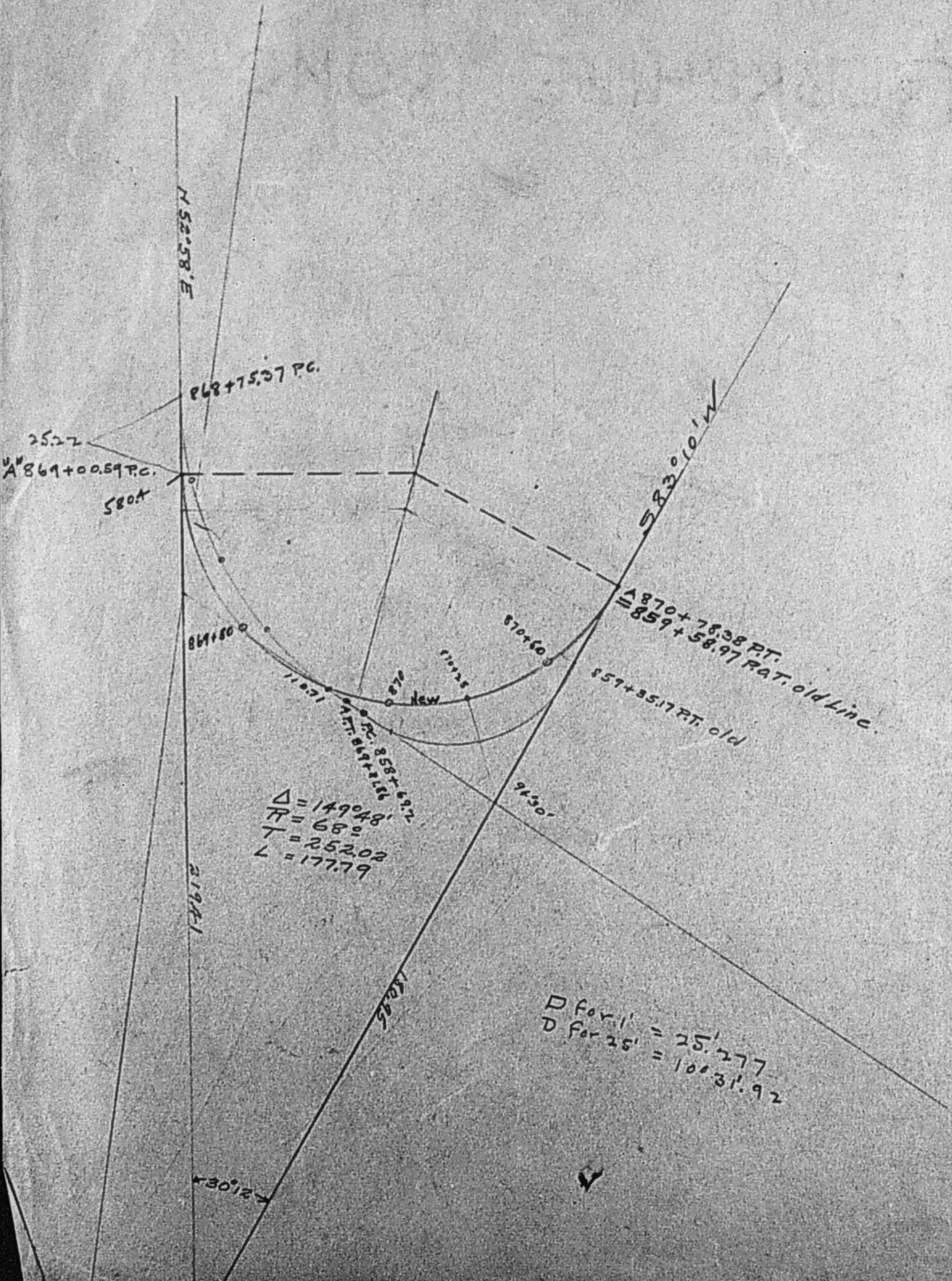
DEL MAR - ESCONDIDO HIGHWAY.

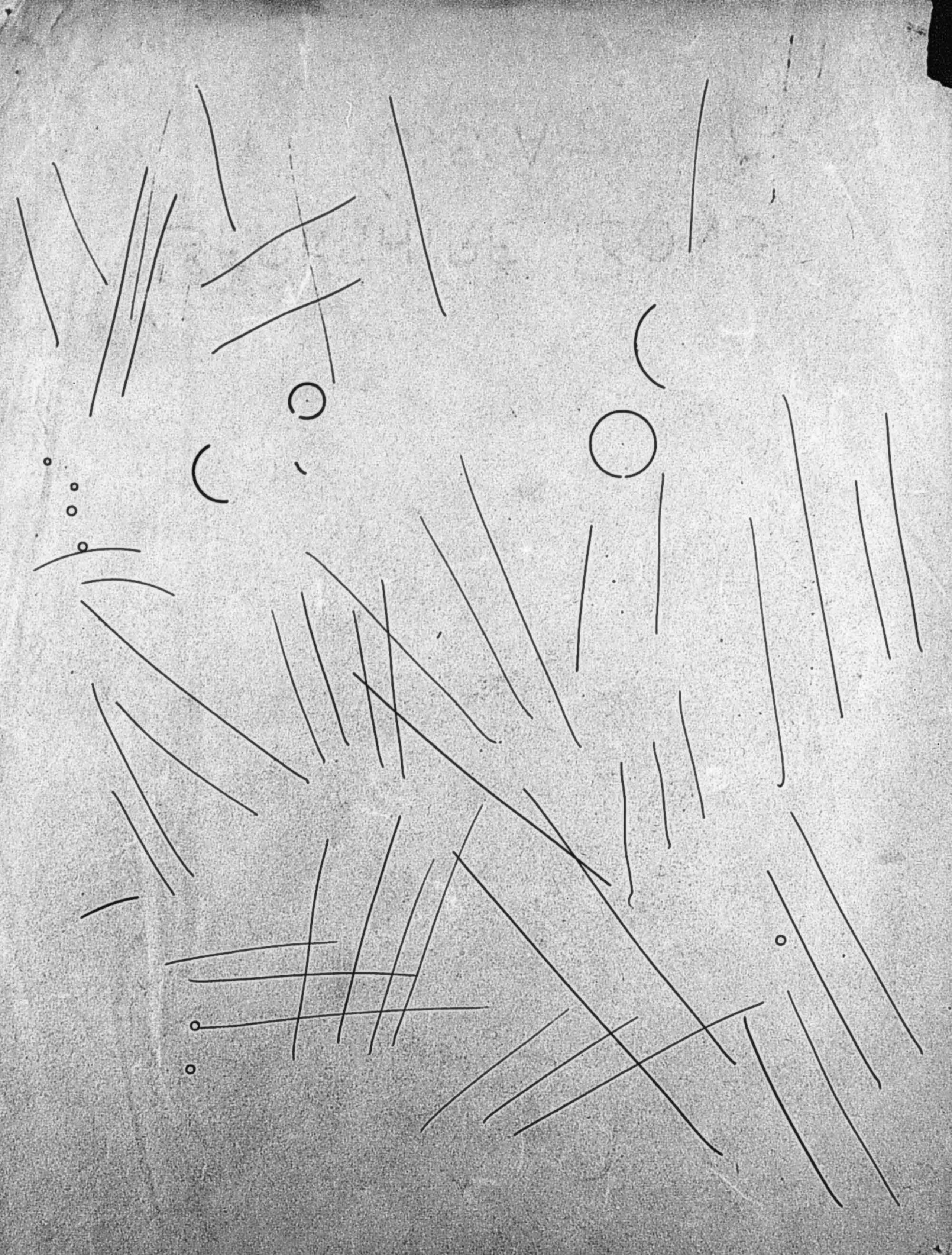
RIGHTS OF WAY.

The present county road right of way between Del Mar and the San Dieguito Rancho is available for the building of the Del Mar - Escondido Highway and likewise the County Road between Crescent Valley and the Escondido City Limits. The easements necessary to complete a continuous right of way between these points and Bernardo, together with an additional easement for straightening the alignment at Del Mar have been given. These, together with their costs, are listed below.

No.	Name of Grantor	Location (S.B.M.)	Cost
1	South Coast Land Co.	Arden Hts No. 6	-
2	Santa Fe Land Imp. Co.	Rho San Dieguito	-
3	Louis Weller	Pt 22 - 13 - 3W	150 (?)
4	Geo. F. Staat	Pt 14 - 13 - 3W	-
5	W. G. Henshaw	From Staat to Bernardo.	-
6	U S Government	(Pt 13 & 14 - 13 - 3W (Pt 18, 13 - 2W	-
7	Mrs H E Gipps	Pt 32, 12 - 2W	-
8	Aug. Jungnitsch	do	75
9	J. B. Carroll	do	-
10	L S Leonard	do	150
11	M V Leonard	do	-
12	A L Hager	Pt 312 Rho R.del D.	300

A





STATEMENTItem

- 1 140,900 Cu. Yds. Excavation without classification.
- 2 562 Lin. Ft. 8" Corrugated Metal Pipe.
- 3 1,927 " " 12" " " "
- 4 1,135 " " 15" " " "
- 5 609 " " 18" " " "
- 6 480 " " 24" " " "
- 7 664 " " 30" " " "
- 8 250 " " 36" " " "
- 9 217 Cu. Yds. Class "A" Concrete - Headwalls & Slabs.
- 10 15,636 " " Class "B" " - Pavement.
- 11 163 " " Rubble Masonry - Headwalls, Abutments, etc., (Alternate)
- 12 281 " " Dry Rubble Wall.
- 13 3,000 Pounds of Reinf. Steel/complete in place (Alternate)
- 14 1,700 Sq. Yds 4" Mesh #6 Gage Reinf. Wire in Concrete Ford
- 15 8,000 Feet of Barbed Fencing.
- 16 1 Special Reinforced Concrete Culvert Sta.4+59.
- 17 1 Special 5' x 7' Reinforced Box Culvert.
- 18 2 - 30 ft. Trussed Beam Bridges Complete in place.
(a) With wooden wings and abutments (Alternate)
(b) With Rubble Masonry wings & abutments.
- 19 3 - 5' x 7' Cattle Passes.
- 20 2 - 20' Bridges.
(a) With wooden wings & abutments (Alternate)
(b) With rubble masonry wings & abutments.

Road Improvement District #3

The following is the list of names to whom new deeds and contracts were mailed on November 24, 1917:

	<u>Addressee</u>	<u>Grantor</u>
1.	F. H. Tolle	South Coast Land Co.
2.	E. O. Maulkner	Santa Fe Land Imp. Co.
5.	W. G. Henshaw	Henshaw
7.	H. E. Gipps	Gipps
8.	August Jungnitsch	Jungnitsch
9.	James Carroll	Carroll
13.	H. & S. T. Case	Case

The following is list of persons to be seen on trip to Escondido:

3.	Louis Weller
7.	H. E. Gipps
9.	James Carroll
10.	L. S. Leonard
11.	M. V. Leonard
12.	A. L. Heger
13.	Hobart Case

#247

DESCRIPTION OF HIGHWAY RIGHTOF-WAY THROUGH
WELLER PROPERTY - TAKEN FROM DEED

DATED November 19, 1917

All that certain strip of land situate, lying and being in Section 22, Township 13 South, Range 3 West, S. B. M., said strip of land being 50 feet wide and lying 25 feet on either side of its center line, said center line being described as follows, to-wit:

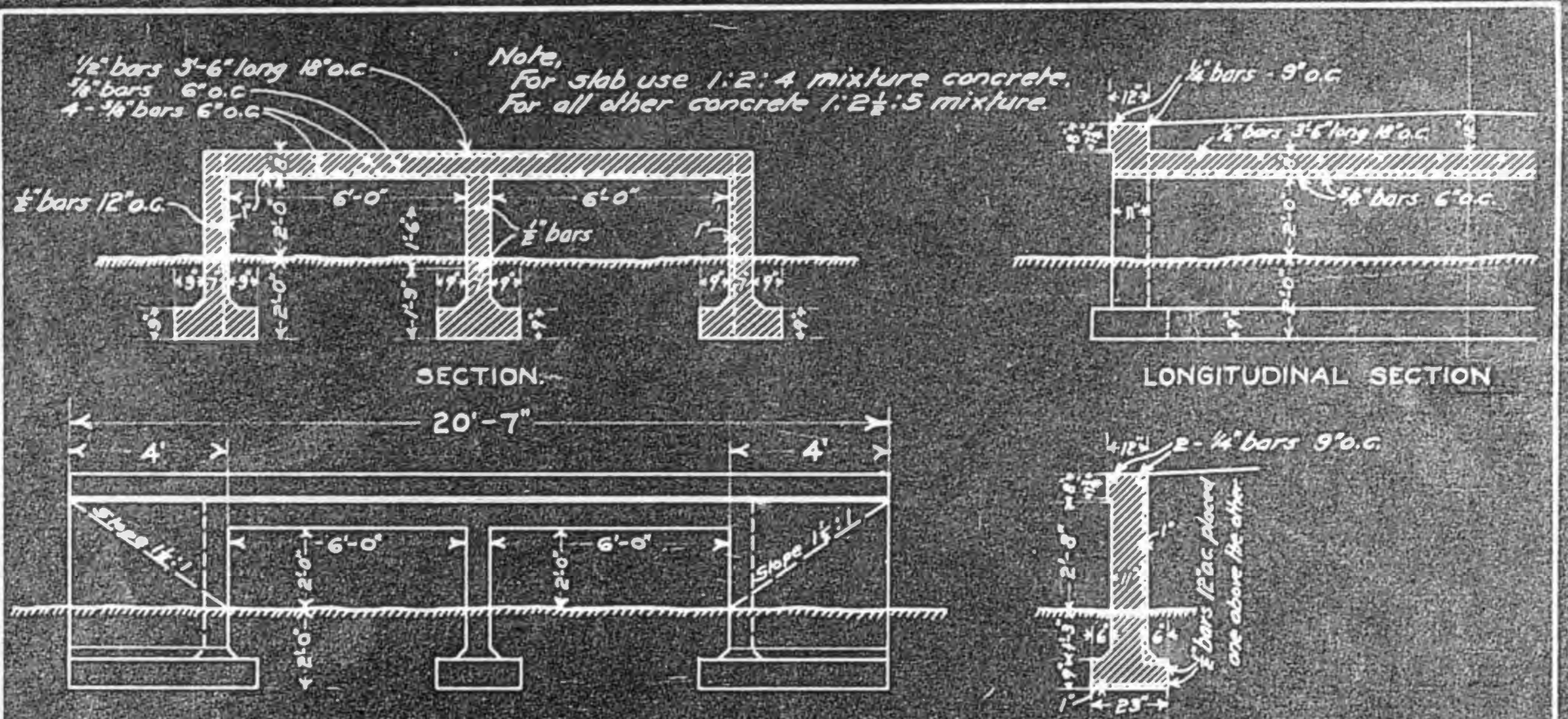
Beginning at a point on the east line of the Rancho San Dieguito, whence Corner No. 8 of said Rancho bears North 4° 50' West 2,893.5 feet;

Thence South 73° 40' East 1,550.41 feet to the beginning of a 400 foot Radius Curve to the left, 216.42 feet to the end of said curve;

Thence North 75° 20' East 362.56 feet to the beginning of a 500 ft. Radius Curve to the right, 282.16 feet to the end of said curve;

Thence South 72° 20' East 216.47 feet to the beginning of a 350 foot Radius Curve to the left, 240.68 feet to the end of said curve;

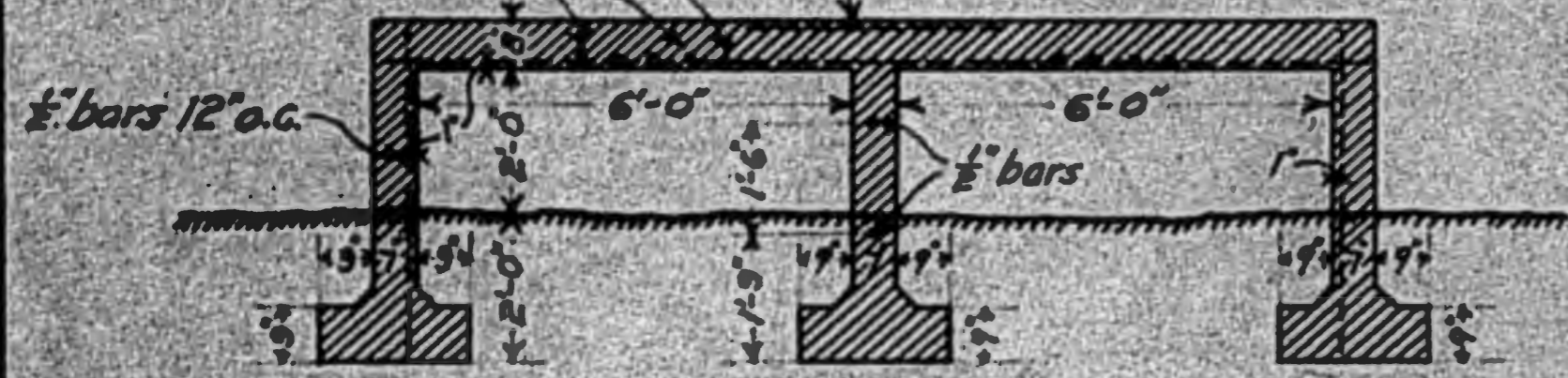
Thence North 68° 16' East 51.64 feet to a point on the east line of Section 22, Township 13 South, Range 3 West, S. B. M. whence the corner common to Sections 14, 15, 22, 23, Township 13 South, Range 3 West, S. B. M. bears North 0° 12' East 638.2 feet, containing 3.35 acres more or less.



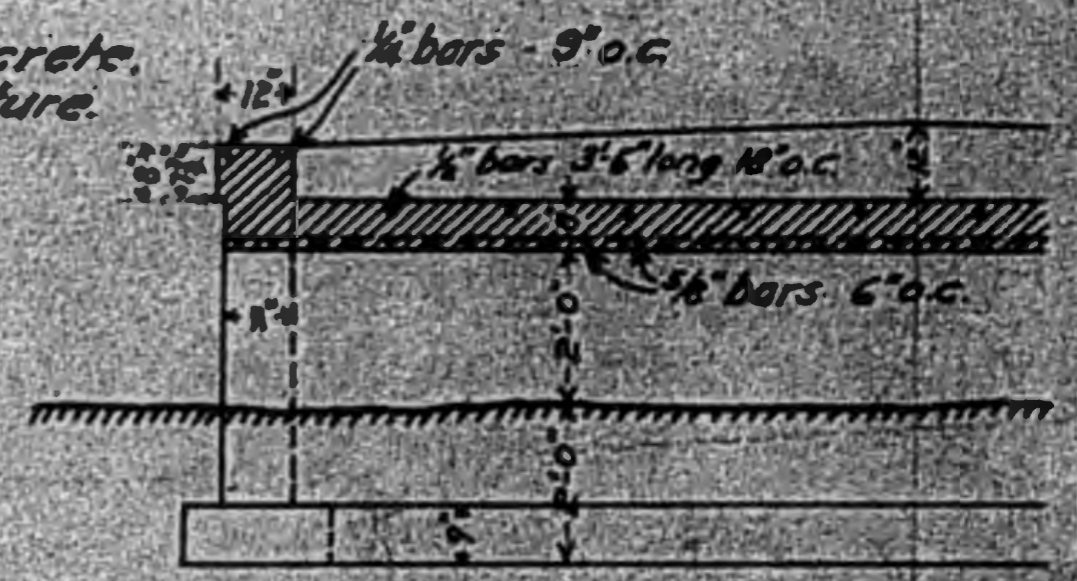
HIGHWAY COMMISSION OF SAN DIEGO COUNTY.
 DOUBLE 2'x6' OPEN CULVERT
 Reinforced Concrete.

1/2" bars 3'-6" long 18" o.c.
5/8" bars 6" o.c.
4 - 3/8" bars 6" o.c.

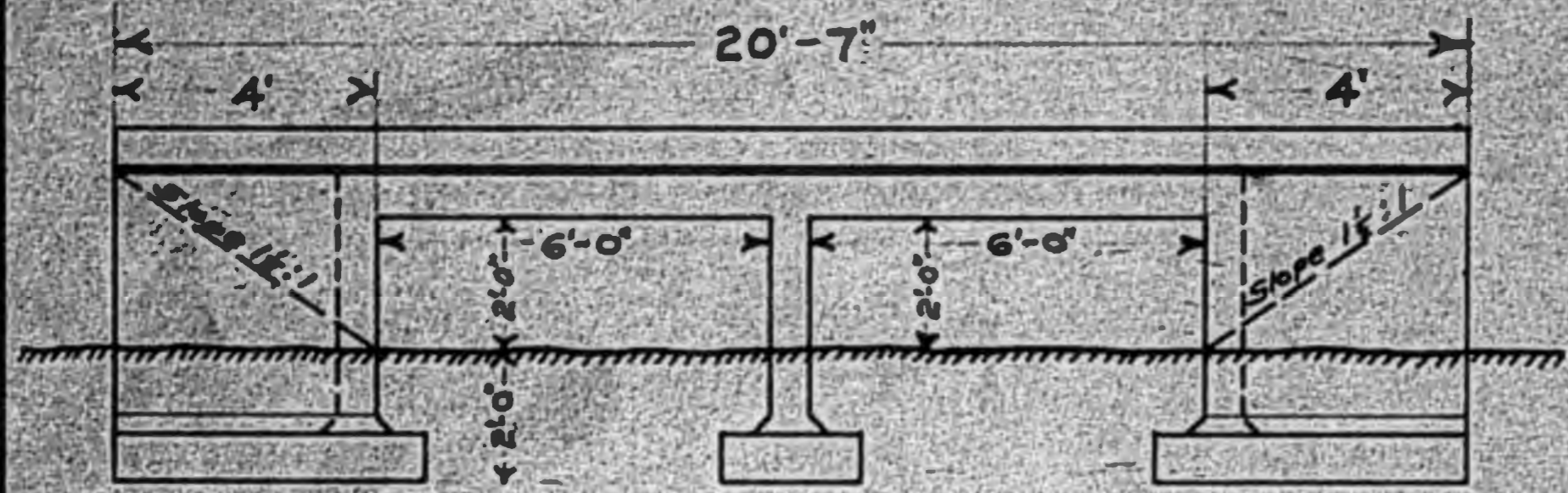
Note,
For slab use 1:2:4 mixture concrete.
For all other concrete 1:2 1/2:5 mixture.



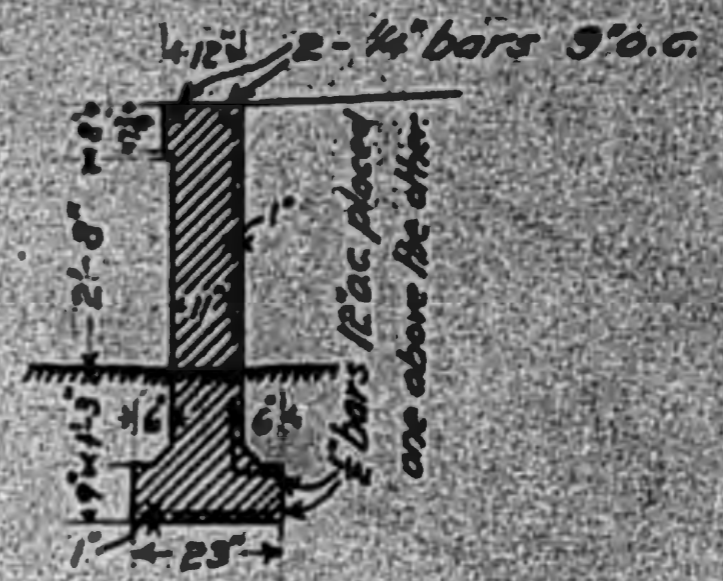
SECTION:



LONGITUDINAL SECTION



END VIEW.

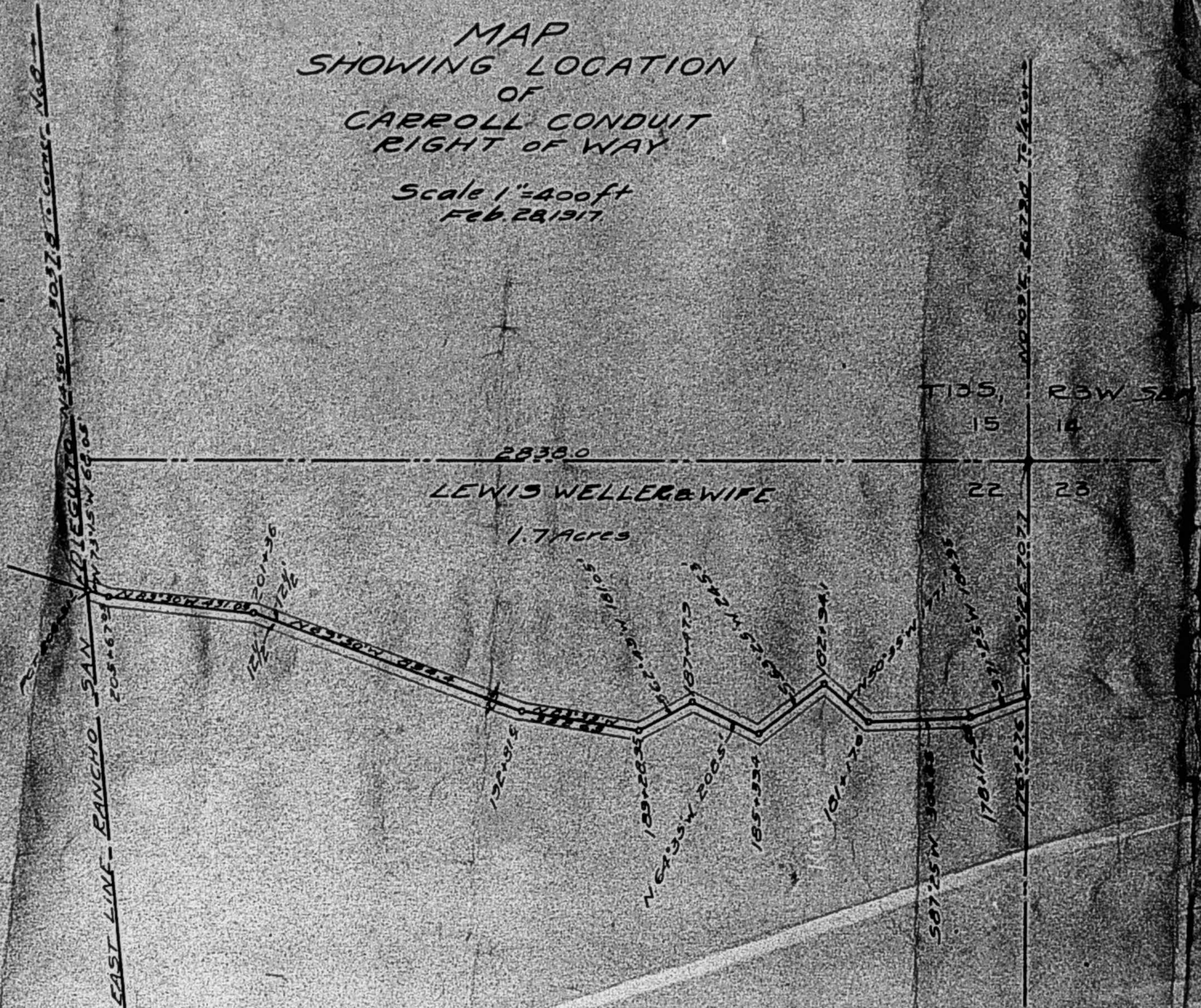


SECTION OF HEADWALL.

HIGHWAY COMMISSION OF SAN DIEGO COUNTY.
DOUBLE 2'x6' OPEN CULVERT
Reinforced Concrete.

MAP
SHOWING LOCATION
OF
CARROLL CONDUIT
RIGHT OF WAY

Scale 1"=400ft
Feb. 28, 1917



924 Eighth Street,
San Diego, California,
April 14, 1917

Mr. A. F. Gilmore Co.,
829-833 Merchants National Bank Bldg.,
Los Angeles, Cal.

Gentlemen:-

Your letter of March 19th in regard to oiling
Escondido-Del Mar road, received.

You state that you could oil a concrete road
10 feet wide for \$180.00 per mile. Kindly advise grade
of oil and amount you propose to use per square yard.

Thanking you for your favor, I am,

Very truly yours,

Engineer,

Road Improvement District No. 3.

From the papers of Ed Fletcher, the following letters have been removed to the alphabetized correspondence files:

"DEL MAR - ESCONDIDO ROAD"

BOWEN, E. R. to Ellis, Thomas P., 11/17/17
 CALIFORNIA CORRUGATED CULVERT CO. to Ellis, Thomas, P.,
 (2 letters) 2/8/17, 4/27/17
 CARROLL, James:
 Fletcher to Carroll, 3/30/17
 Ellis, T. P. to Carroll, (2 letters) 5/19/17,
 12/5/17
 CASE, S. T.:
 Case to Ellis, 5/6/17
 Ellis to Case, (4 letters) 5/10/17, 6/4/17, 6/4/17,
 6/11/17
 Ellis, T. P. to CROUCH, C. C., 12/29/17
 ELLIS, Thomas P.:
 Ellis to CASEWELL, 3/3/17
 Ebert, T. C. to Ellis, 11/17/17
 Ellis to Fletcher, (6 letters) 5/7/17, 6/4/17, 11/20/17,
 12/5/17, 12/6/17, 12/17/17
 FAULKNER, E. O.:
 Faulkner to Fletcher, 3/28/17
 Ellis to Faulkner, (4 letters) 3/31/17, 4/17/17, 4/28/17,
 12/22/17
 Faulkner to Ellis, 4/23/17
 Ellis to FLETCHER, Austin B., 5/15/17
 Ellis to FOSTER, Joseph, 12/13/17
 Ellis to GILMORE, A. F., 4/14/17
 Ellis to GIPPS, Henrietta E., 12/3/17
 GONGWER, H. L. to Fletcher, 5/28/17
 Ellis to HALL, F. D., 12/5/17
 HARROUN, Philip E., 11/19/17
 Ellis to LEONARD, Louis, 3/7/17
 Ellis to LEONARD, Lane, 12/29/17
 MAKIN, Ray L.:
 Turrentine, L. N. to Makin, 6/2/17
 Ellis to Makin, (2 letters) 5/8/17, 6/4/17
 MALCOLM, J. D.:
 Ellis to Malcolm, (2 letters) 12/5/17, 12/13/17
 Schlueter, Henry W. to POST, W. S., 5/2/17
 Ellis to SCHUERMEYER, 1/9/18
 SHARPE, Julia E.:
 Sharpe to Ellis, (2 letters) 1/11/18, 6/25/17
 Ellis to Sharpe, (2 letters) 12/19/17, 6/26/17
 STAAT, George F. to Fletcher, 2/27/17
 Ellis to the STATE HIGHWAY COMMISSION, 5/4/17

TOLLE, F. H.:

Ellis to Tolle, (3 letters) 2/23/17, 3/10/17, 5/18/17
 Tolle to Ellis, (3 letters) 6/11/17, 6/12/17, 6/12/17
 Fletcher to WELLER, Louis E. 12/7/17
 ZUNGNITSCH, August:
 King, T. H. to Zungnitsch, (3 letters) 3/8/17, 3/8/17,
 3/8/17

Ed Fletcher Papers

1870-1955

MSS.81

Box: 49 Folder: 12

**Business Records - Water Companies - Volcan
Land and Water Company - San Dieguito System -
Escondido-Del Mar Road: notes, small blue prints**



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