

2.

DRAWING NUMBER

1112

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REPRODUCED BY NUMBER 07548
POSITION LINE OF PINE ON THIS LINE

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER
GREAT WESTERN
RESERVOIR

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
REPRODUCED BY NUMBER 07548
POSITION LINE OF PINE ON THIS LINE

MAP OF GREAT WESTERN RESERVOIR

IRRIGATION DIVISION No. 1
WATER DISTRICT Nos 6 & 2

200 FT. TO THE INCH

E.L. Rogers Engineer



DRAWING NUMBER
2 of 2

DRAWING NUMBER

DRAWING NUMBER

DRAWING NUMBER
GREAT WESTERN
RESERVOIR

Statement of Claim to Water Right

Irrigation Division No. 1
Water District No. 2.

A. J. Lang, owner of the following described reservoir, in compliance with the requirements of the State of Colorado, hereby make this duplicate statement concerning the Great Western Reservoir:

Construction work upon said reservoir was begun by surveying and laying out of the work on the 21st day of April, 1903, and by building up of the earth north of the dam on the 2nd day of December, 1903, as so laid out and designed the following is a description thereof:

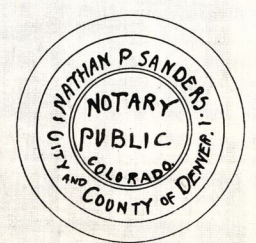
The location of the reservoir is upon portions of Sections 6 and 7 Township 2 South, Range 69 West, in Jefferson County, Colorado. Said reservoir will derive its supply of water partly from the North fork of Big Dry Creek which stream flows into the reservoir at a point N. 49° W. 740 ft from the S. E. Corner of the S. W. 1/4 of S. W. 1/4 Sec. 6 T. 2 S. R. 69 W.

The extreme height of dam is 86 feet; the length of dam on top is 2100 feet. The spillway is 100 feet long and its floor is six feet below the lowest place on the top of dam. The depth of water that can be drawn off is 80 feet. The estimated area of water shed tributary to said reservoir is 2700 acres. The estimated cost of construction of the dam and outlets there through is \$100,000.00. The courses shown on this map are true.

Said A. J. Lang claims the right to fill said reservoir from said source of supply, and through the means of diversion as aforesaid, for the purposes of irrigating lands adjacent to and below said reservoir, and claim is hereby made for 301,897.73 cubic feet of water for storage and irrigation purposes. The capacity in cubic feet and surface area for each foot in depth of water that can be stored in said reservoir up to and including high water mark, are shown by the following table:

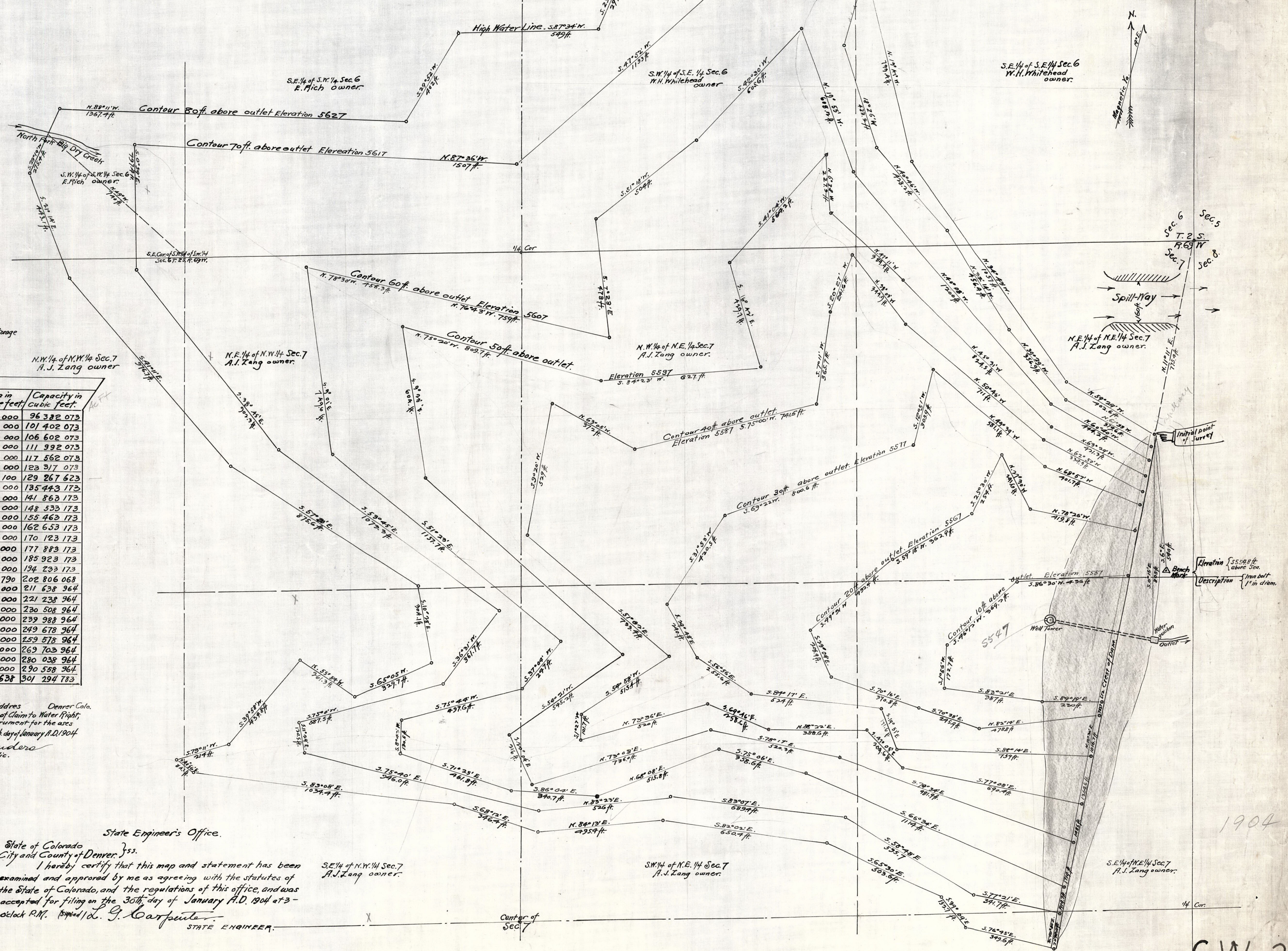
Table of Areas and Capacities					
Depth in feet above bottom of outlet	Area in square feet	Capacity in cubic feet	Depth in feet above bottom of outlet	Area in square feet	Capacity in cubic feet
0	28 000	11 000	27	1 430 000	14 291 200
1	44 000	44 000	28	1 540 000	15 776 200
2	60 000	96 000	29	1 630 000	17 361 200
3	92 000	172 000	30	1 725 000	19 038 700
4	118 000	271 000	31	1 820 000	20 811 200
5	145 000	408 500	32	1 930 000	22 686 200
6	174 000	568 000	33	2 040 000	24 671 200
7	203 000	757 500	34	2 160 000	26 771 200
8	236 000	978 000	35	2 290 000	28 996 200
9	273 907	1 232 700	36	2 410 000	31 346 200
10	320 000	1 529 400	37	2 520 000	33 811 200
11	370 000	1 874 400	38	2 650 000	36 396 200
12	420 000	2 269 400	39	2 780 000	39 111 200
13	470 000	2 714 400	40	2 904 246	41 953 323
14	525 000	3 211 900	41	3 030 000	44 920 473
15	580 000	3 764 400	42	3 170 000	48 020 473
16	640 000	4 374 400	43	3 300 000	51 305 473
17	690 000	5 039 400	44	3 440 000	54 675 473
18	760 000	5 764 400	45	3 570 000	58 180 473
19	821 800	6 555 300	46	3 710 000	61 820 473
20	900 000	7 416 200	47	3 850 000	65 600 473
21	970 000	8 351 200	48	3 970 000	69 510 473
22	1 050 000	9 361 200	49	4 105 000	73 547 973
23	1 140 000	10 456 200	50	4 241 600	77 721 273
24	1 230 000	11 641 200	51	4 410 000	82 047 073
25	1 320 000	12 916 200	52	4 590 000	86 702 073
26	1 320 000	12 916 200	53	4 760 000	91 532 073

(Signed) A. J. Lang, Post Office Address Denver Colo.
A. J. Lang whose name is subscribed to the above Map and foregoing Statement of Claim to Water Right, appeared before me this day and acknowledged that he signed the said instrument for the aforesaid purposes therein set forth. Given under my hand and Notarial Seal this 30th day of January A.D. 1904.
My commission will expire April 7th, 1907.
(Signed) Nathan P. Sanders, Notary Public.
STATE OF COLORADO,
City and County of Denver.
E. L. Rogers, being duly sworn, on his oath, deposes and says that he is the engineer of the Great Western Reservoir; that the survey of the same and the map thereof were made by him; that such survey is accurately represented upon this map; that the matters and statements thereon shown are true.
(Signed) E. L. Rogers, Engineer.
Subscribed and sworn to before me this 25th day of January, 1904.
My commission will expire April 7th, 1907.
(Signed) Nathan P. Sanders, Notary Public.



MAP OF Great Western Reservoir

Irrigation Division No. 1.
Water District No. 2.
Survey, Computations and Map by E. L. Rogers, Engineer, Denver.
Scale 1 inch = 200 feet.



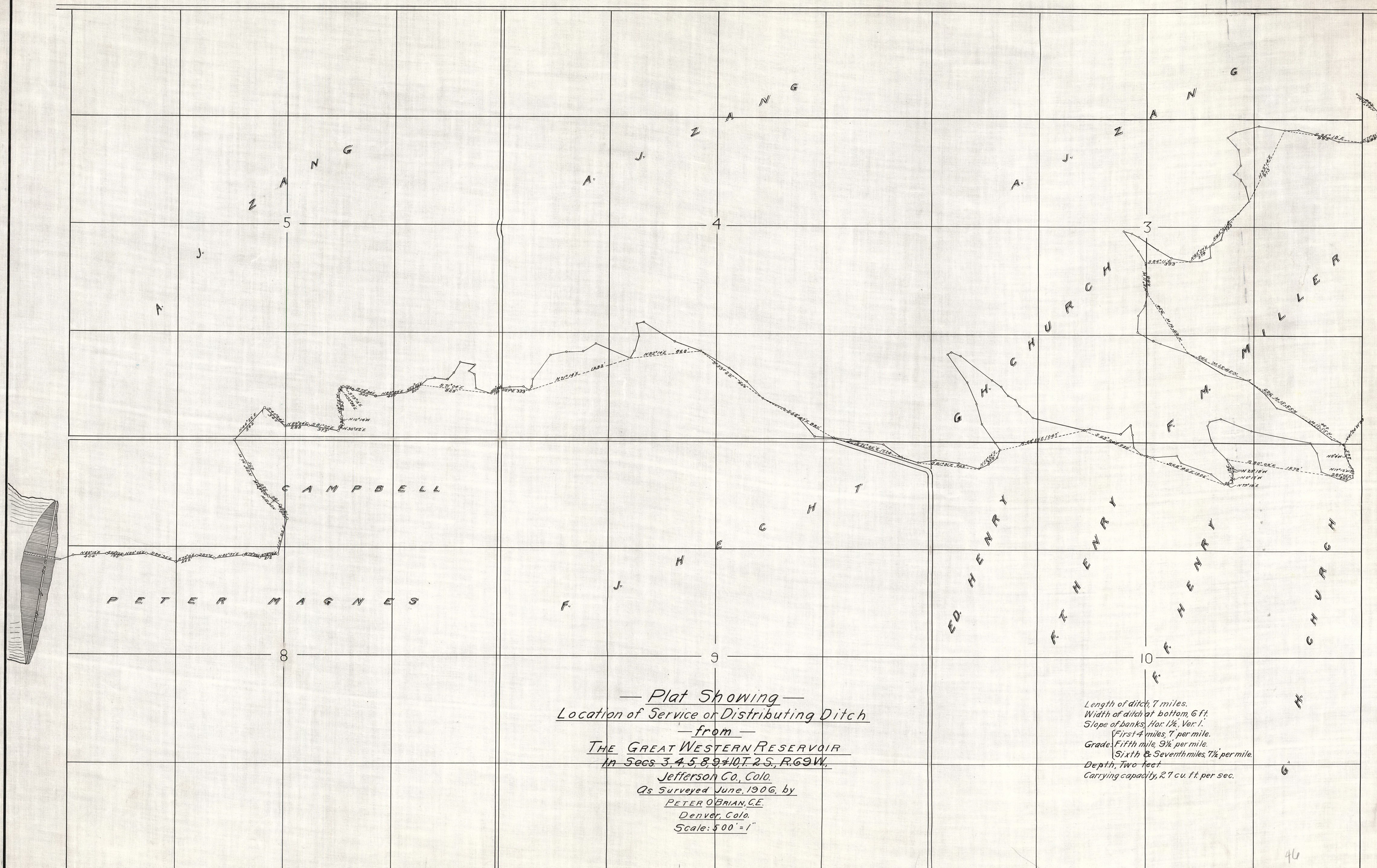
State Engineer's Office.
State of Colorado
City and County of Denver.
I hereby certify that this map and statement has been examined and approved by me as agreeing with the statutes of the State of Colorado, and the regulations of this office, and was accepted for filing on the 30th day of January A.D. 1904 at 3 o'clock P.M.
(Signed) G. Carpenter, State Engineer.

1904
GW-2

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
PREORDER BY NUMBER 075481
POSITION CODE OF PRINT ON THIS LINE • _____

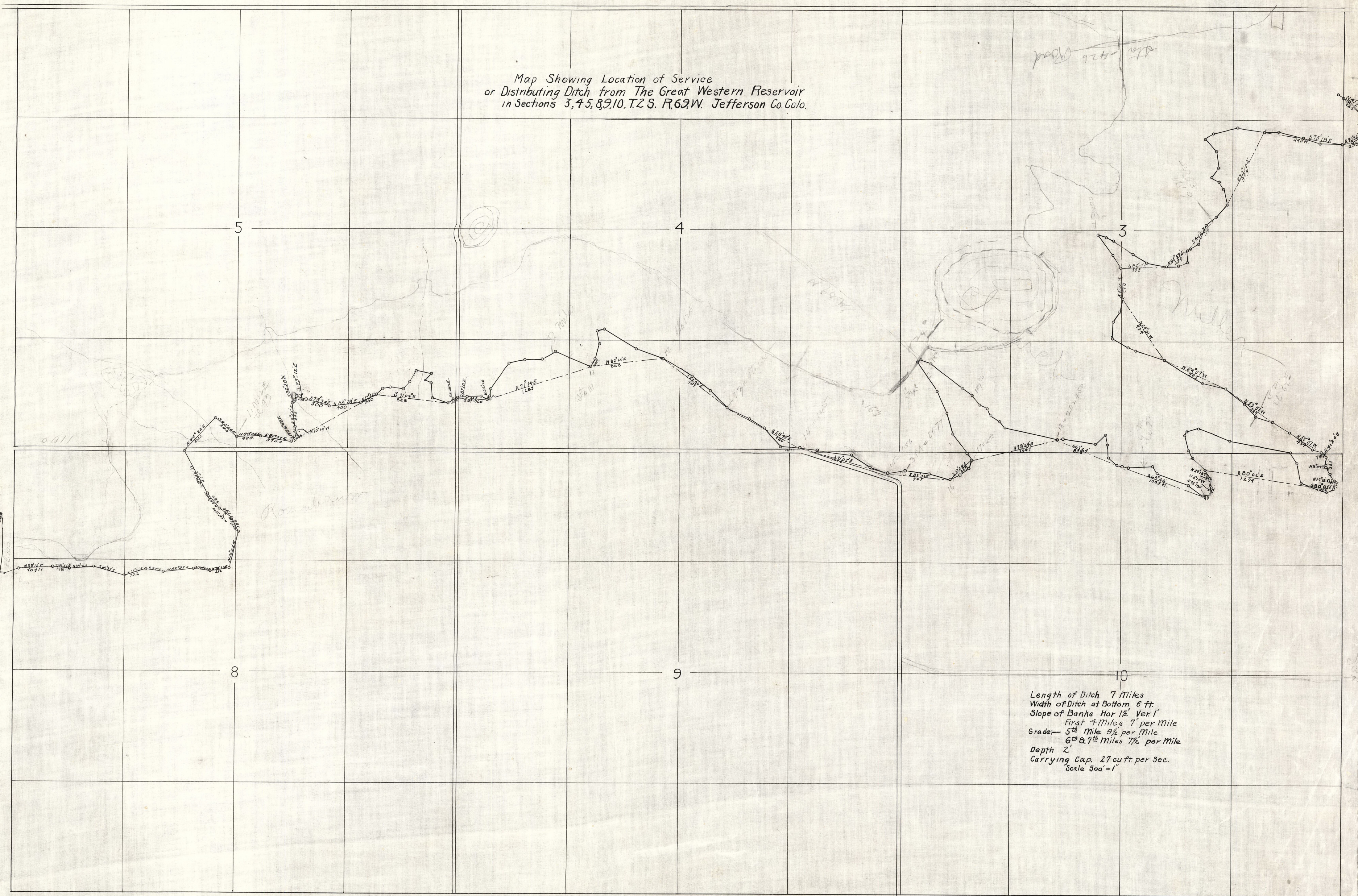
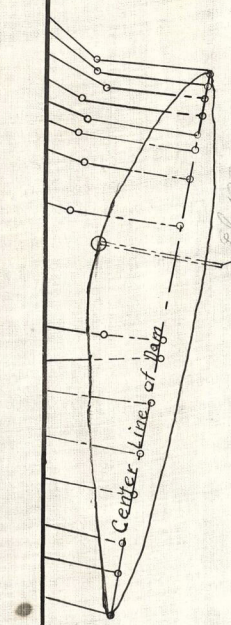
PLAIN HOLD CORPORATION • IRVINE, CALIFORNIA
 REORDER BY NUMBER 075AR
 POSITION EDGE OF PRINT ON THIS LINE

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA

PLAN HOLD CORPORATION • IRVINE, CALIFORNIA
 PREORDER BY NUMBER 0754R
 POSITION EDGE OF PRINT ON THIS LINE • _____

Length of ditch, 7 miles.
Width of ditch at bottom, 6 ft.
Slope of banks, Hor. 1½, Ver. 1.
First 4 miles, 7½ per mile.
Grade, Fifth mile, 9½ per mile.
Sixth & Seventh miles, 7½ per mile.
Depth, Two feet.
Carrying capacity, 2,7 cu. ft. per sec.

Map Showing Location of Service
or Distributing Ditch from The Great Western Reservoir
in Sections 3, 4, 5, 8, 9, 10, T.2 S. R. 62 W. Jefferson Co. Colo.



Length of Ditch 7 Miles
Width of Ditch at Bottom 6 ft.
Slope of Banks Hor 1 $\frac{1}{2}$ Ver 1'
Grade:— 5th Mile 9 $\frac{1}{2}$ per Mile
6th & 7th Miles 7 $\frac{1}{2}$ per Mile
Depth 2'
Carrying Cap. 27 cu ft. per Sec.
Scale 500' = 1"