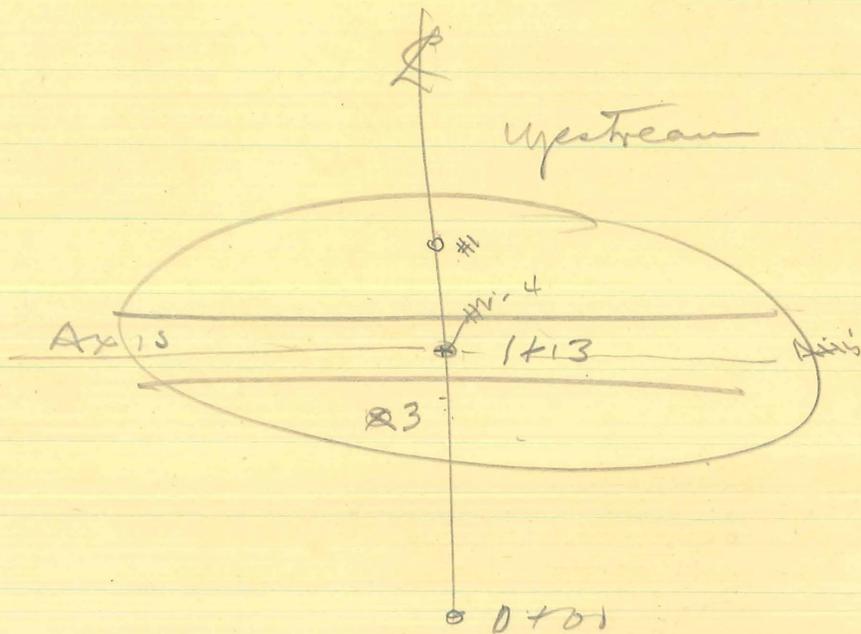


# Field Data

768

1	7/14/50	1+45 on E	Mid pt of upper fill.	108.0	9.57
2	7/14/50			107.5	5.5
3	7/18	0+95		105.0	9.25
4	7/18			122.0?	9.8



View of left abutment showing right DIV. OF WATER RESOURCES RECEIVED  
 6/12/50



Looking downstream through reservoir site; stockpile in foreground.



View of left abutment showing light soil cover over soft sandstone.

IN  
MEMERS OAKS DAM NO. 768  
6/16/50 J.V.S.



View of right abutment

MEMERS OAKS DAM NO. 768  
6/16/50 J.V.S.

Memo to Mr. W. H. Holmes  
Meiners Oaks Dam No. 768  
Inspections of Construction  
By J. V. Spielman

~~Brown~~  
Barns  
File

June 16, 1950.

This inspection was with Mr. Dron, Mr. Joe Wingate, President of the District Board and Mr. Brandt, one of the contractors.

Stripping had been completed in the area downstream from the cutoff and the layer of sand and gravel had been placed and about 1.5' of fill placed over the drainage layer. I had Mr. Dron scrape off the fill and sand layer in a small area so I could see the foundation. This was a compact, tight soil and appeared to be satisfactory. Stripping in the cutoff trench and upper portions of the abutment was being placed in the fill and the top 6" of the fill was too dry and was ordered to be removed and moistened in the stockpile.

June 21, 1950.

The trench for the outlet pipe was being excavated. This was all in soft sandstone and was satisfactory. Where the pipe crosses the cutoff trench the grade of the pipe trench was made to meet the same level as the cutoff trench. Mr. Dron stated that the outlet for the entire length under the fill would be according to "Section D-D" on Dwg. No. 4, using plain concrete pipe encased in reinforced concrete. He stated that he found that this would be less expensive than using part reinforced pipe as was shown.

July 3, 1950.

There was very little activity at this inspection. The pipe encasement had been placed. Mr. Dron was unable to meet me but I talked to him later over the phone and we discussed compaction of fill over the pipe and particularly at the cutoff trench where a loose fill had been made and which will need to be removed. Also discussed doing a little more stripping in the upstream portion of the streambed and I approved his placing fill after completion of the above.

Mr. Dron phoned the office on July 12 when I was in San Diego and I returned his call on July 13. He stated he had started the fill but was unable to get over 110 p.c.f. dry density. He believed that was the maximum they could get. Said the fill seemed very hard and dense but also stated that contractor had been unable to get rollers of specified weight of 2,000 p.c.f. After discussing roller weight, amount and uniformity of moisture, number of roller trips, I suggested he reduce thickness of layers.

July 17-18, 1950.

This was the first chance I had to observe placing of embankment fill. The top of fill was about 8' above original streambed. I met Messrs. Brandt and Ford, Contractors, on the job but Mr. Dron had been called to Ventura and did not return until late in the afternoon of the 17th. Meanwhile the fill placing continued without the benefit of any district inspection or direction.

W.H.H. JUL 21 1950

In general the soil moisture appeared to be about right and fairly uniform. A man used a hose to wet the abutments and fill when necessary; however, there was not close control and an inspection was needed. There were many roots in the more impervious soil and one man worked constantly and another part time at picking up roots. Two carryalls and two light tandem rollers were working. A spring tooth cultivator was working constantly to rake out roots and mix the soil. This machine did a lot of good particularly to aid in making the moisture uniform.

The rollers were obviously too light as they did not penetrate the fill. Also, they were of the non-oscillating tandem type. The rolling pattern was a puzzle although I was informed that each layer was getting 12 trips (16 were specified).

The upstream and downstream edges of the embankment sloped off and were not getting adequate compaction. At my request the contractors cut down both edges and then brought them up with horizontal layers. The corners which were low were also brought up. I pointed out later to Mr. Dron that the corners were not getting adequate compaction.

Along the left abutment the formation is a soft yellow sandstone. The tractors easily break it down into a loose sand which would make a very short and pervious path for seepage along the abutment. This was called to the contractor's attention who tried to remove the loose sand with a dozer but of course a complete job cannot be done by this means. It was later called to Mr. Dron's attention that a pervious layer was being left along the abutment. It should be dug out by hand if necessary and compaction close to the soft sandstone had better be done by hand. This was all thoroughly discussed with Mr. Dron.

Only two density tests had been recorded showing field densities of 108 and 107.5 p.c.f. although the specifications called for 119 p.c.f. Mr. Dron gave the writer the attached laboratory compaction test sheet on samples 3 and 4 made by Walter Loban. Sample 3 is apparently the material principally being used. Sample 4, according to Mr. Dron, is a very fine clayey silt which he thought suitable for the impervious section. Some of it may be getting mixed with the sandy soil. From Loban's test it would appear not to be a suitable soil. Mr. Loban's needle curve for sample 3 is an odd shape as was the original test submitted with the application. These tests indicated a required density of 118 or 119 p.c.f. for an I.S.P.R. of 300.

With borrowed equipment the writer proceeded to make a compaction test on the morning of July 18 and Mr. Dron made two more fill density tests. Results are all shown on attached copy of soil compaction test made by the writer.

From this the writer concluded and so stated to Mr. Dron and Mr. Ford that the minimum fill density should be 115 p.c.f. and that all existing fill below that density should be removed. Perhaps 1,000 or 2,000 cu. yds. of fill will need to be removed and recompacted. The writer also discussed with Mr. Dron that he should keep an inspector on the fill at all times, that

density tests should be made at least once a day and better procedure to obtain greater accuracy in the test. The writer also insisted that rollers meeting the weight specification be obtained. Mr. Dron gave orders to the contractor to comply with the specifications.

JVS:mu  
enclosures

J. V. S.

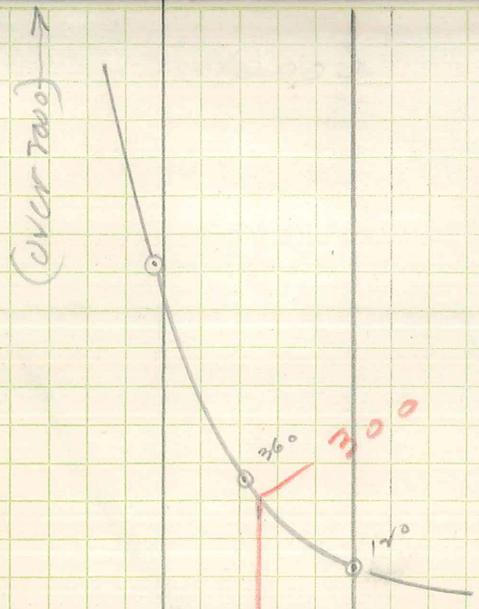
July 19, 1950



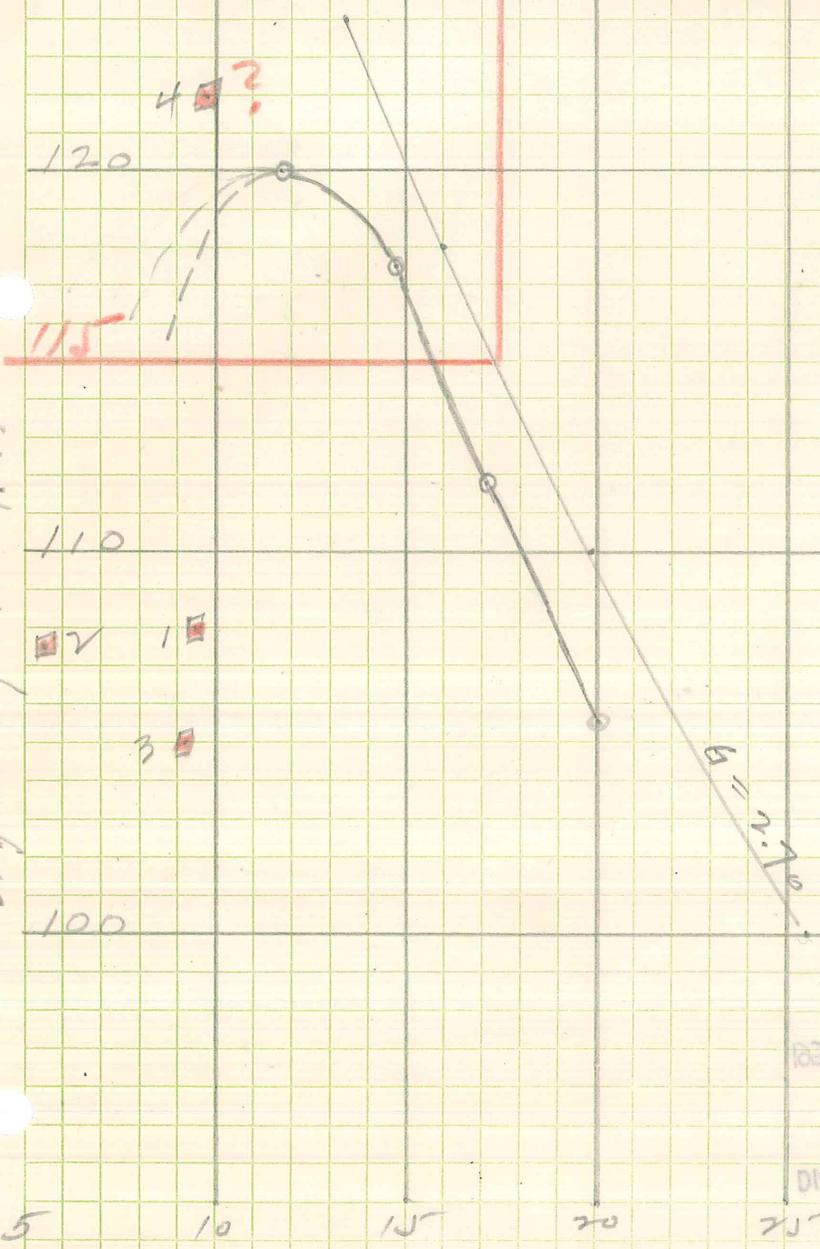
1820 JUL 50 PM 2 55

SACRAMENTO  
DIV. OF WATER RESOURCES  
RECEIVED

Penet. Res. p.s.i.



Dry Weight p.c.f.



Meiners Oaks  
Dam No. 768.

Soil Compaction  
Test by JVS  
7/18/50

■ indicates field  
densities.

1630 985 50 611 3 55

EXHIBIT NO  
DIX OF WATER RESOURCES  
RECEIVED

W.H.H. JUL 21 1950

Moisture - % dry wt.

MEMORANDUM TO MR. W. H. HOLMES

Meiners Oaks Dam No. 768

Inspection of Construction June 9, 1950

By J. V. Spielman

Inspection was with Mr. John A. Dron, Engineer for the District and his son Jack.

Stripping on the abutments reveals a very light soil cover over soft sandstone. Most of the dam will apparently be on a rather massive strata of yellow sandstone with some of the upstream portion on a dark brown and greenish brown soft sandstone and shale. Mr. Dron called it Coldwater formation. Thin interbedded shale layers may make it fairly tight.

Most of the borrow areas are underlain by the same brown sandstones and shale which is soft enough to break down under rolling into a fine sand. There is very little soil present of the type sampled for the compaction test. I advised Mr. Dron to make additional tests on the exposed materials.

Mr. Dron gave me a copy of the specifications. Please send me a set of prints of the approved plans.

JVS:BD  
6-14-50

*JVS*

*one set of approved  
prints mailed to  
JVS on 6-19-50*

1620 JUN 12 1950

W.H.H. JUN 20 1950

JUN 15 '50 W.A.B.  
RECEIVED  
DIA. OF AVIATION RESOURCES  
SYDNEY, N.S.W.

No. 768

PROPOSAL  
FOR THE CONSTRUCTION OF  
ROLLED EARTH DAM AND  
APPURTENANCES

To The Board of Directors  
Meiners Oaks County Water District  
Ojai, California

*Bid prices*  
Payton Bros

Gentlemen:

Pursuant to the foregoing notice inviting proposals, the undersigned declares that he has carefully examined the location of the proposed work, that he has examined the plans and specifications, and read the accompanying instructions to bidders, and hereby proposes to furnish all materials and do all the work required to complete the said work in accordance with said plans, specifications, and special provisions, for the unit price set forth in the following schedule:

Item No.	Approximate Quantity	Items with Unit Price Written in Words	Unit Price Written in Figures
1.	2 acres	Clearing and Grubbing Site  @ 150	\$ 300.00
2.	300 cu. yds.	Stripping borrow pit areas & dam site. @ 1.00	\$ 300.
✓ 3.	11,700 cu. yds.	Embankment in Place  @ 0.57	\$ 6669.
4.	160 cu. yds.	Side drain ditches  2.50	\$ 400.

Item No.	Approximate Quantity	Items with Unit Price Written in Words	Unit Price Written in Figures
5.	36 cu. yds.	Structural Excavation @ 1.00	\$ 36.
6.	110 lin. ft.	Conduit Pipe. 16" common concrete pipe. @ 1.00	\$ 110.
7.	45 cu. yds	Concrete, reinforced, In place. 2.500	\$ 1125.
8.	1800 lbs	Reinforcing Steel 0.12	\$ 216.
9.	300 ft.	24" Iron Pipe Drainage, Installation, and 2 24" Armo End Sections or Equal. 300' @ 0.52 2 @ 48.10	156. \$ 96.20
10.	Lump Sum	Gate and Gate installa- tion including flanged steel elbow. 200	\$ 200.

1620 7/11/12 11/12 20

EXHIBIT  
DIA. DE MYLENEZONYESA  
RECIBIDA

Item No.	Approximate Quantity	Items with Unit Price Written in Words	Unit Price Written in Figures
11.	<sup>620</sup> <del>1200</del> lin. ft.	15" Cent. spun reinf <del>Fencing, installation</del> concrete pipe  @ 4.25	\$ <u>2635.</u>
<del>12.</del>		<del>Asphaltic Membrane Coating.</del>	
Total			\$ <u>12,243.20</u>

(Note: Item 11 is not part of dam)

The undersigned further agrees that in case of default in executing the required contract, with necessary bonds, within \_\_\_\_\_ days, not including Sunday, after having received notice that the contract is ready for signature, the proceeds of the check or bond accompanying his bid shall become the property of the Meiners Oaks County Water District.

Licensed in accordance with an act providing for the registration of contractors, License No. \_\_\_\_\_.

Signature of bidder \_\_\_\_\_

Payton Bros.

(If an individual, so state. If a firm or copartnership, state the firm name and give the names of all individuals, copartners, composing the firm. If a corporation, state legal name of corporation, also names of president, secretary, treasurer, and manager thereof.)

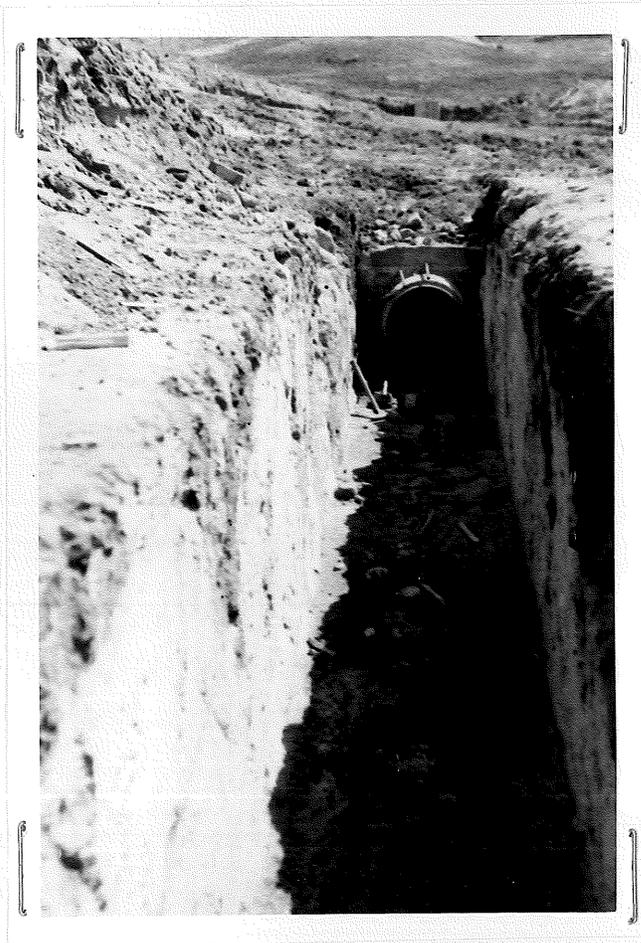
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Business Address

Dated: \_\_\_\_\_, 19\_\_\_\_

Copied by J.V.S. 6/9/50





Downstream end of outlet conduit. 16" plain concrete pipe, 9-5/8" longitudinal bars and 1/4" hoops at 5".

IN  
MEMERS OAKS DAM NO. 768  
7/3/50 J.V.S.

# Memers Oaks Dam No. 768.

Bid Prices - Payton Bros -  
Brandt and Ford - Subcontractors.

Item	Desc.	Quantity	Unit	Unit Price	Amount
1	Clearing	2	ac.	150.	300.00
2	Stripping	300	cy.	1.00	300
3	Embankment	11700	cy.	0.57	6669.
4	Side drain ditches	160	cy	2.50	400.
5	Struct. Excav.	36	cy	1.00	36
6	Conduit pipe - 16"				
	com. conc. laid -	110	l.f.	1.00	110
6a	act. 15" cent. spun				
	conc. pipe	110	l.f.	4.25	N.I.C. -
7	Concrete, reinf.	45	cy.	2.50	1125.
8	Reinf. Steel	1800	lb.	0.12	216
9	24" culvert pipe	300	l.f.	0.52	156
		2	each	48.10	96.20
10	Gate incl. inst.		hump		200
11	15" cent. spun pipe	600	l.f.	4.25	2550.00
					9608.20

⊗ Hot part of dam - Item 11.

JUL 21 1950

STATE OF CALIFORNIA  
Department of Public Works

SACRAMENTO  
May 4, 1950

ADDRESS REPLY TO  
DIVISION OF WATER RESOURCES  
PUBLIC WORKS BUILDING  
P. O. Box 1079  
SACRAMENTO 5

Mr. John A. Dron  
Gridley Road  
Ojai, California

SUBJECT: Meiners Oaks Dam No. 768

Dear Mr. Dron:

Enclosed is application No. 768, filed by you with this office on March 6, 1950, for approval of the plans and specifications for the construction of the Meiners Oaks Dam. This application was approved by the State Engineer on May 3, 1950.

Duplicate tracings, consisting of two sheets each, were also approved by the State Engineer on the above date. One set will be returned to you via Railway Express.

Very truly yours,

A. D. EDMONSTON, STATE ENGINEER

By T. R. Merryweather  
T. R. Merryweather  
Administrative Assistant

Enclosure  
Registered

cc J. V. Spielman  
Los Angeles Office

STB

RECEIVED

MAY 6 - 1950

STATE DEPARTMENT OF PUBLIC WORKS  
Division of Water Resources  
LOS ANGELES OFFICE

C  
O  
P  
Y

MEMORANDUM TO MR. W. H. HOLMES

Meiners Oaks Dam No. 768

Review of Plans

By W. A. Brown - April 14, 1950

On April 11, 1950, Mr. Spielman forwarded revised prints of the proposed Meiners Oaks Dam. Specifications will be forwarded later. The comments herein apply to the revised plans.

Section of Dam

The dam is 30 feet high with 3:1 upstream and 2:1 downstream slopes. Crest width is 10 feet. Sandstone derivatives will be used in the fill. A cutoff to sandstone bedrock is provided just upstream of the axis. The more pervious material will be placed in the downstream portion of the dam, and streambed boulders will be incorporated in the downstream portion. A drainage blanket of river sands and gravel will underlie the downstream one-quarter of the fill. It is believed the section of dam is well designed and adequate for this height of dam.

Reservoir Plan

The dam is laid out with a nearly right-angle bend in its alignment, apparently to effect the least yardage of fill and at the same time produce the greatest storage capacity.

The reservoir has a surface area of 0.94 acres. An interception ditch is provided around the perimeter of the reservoir to intercept surface runoff and convey it around the ends of the dam. The plan appears satisfactory, however, the spillway will be considered as if the interception ditches did not exist.

Spillway

A rectangular box spillway is provided at the right end of the dam. It is covered with a slab to provide a roadway over the dam crest. The spillway control section is 2 feet wide and 5 feet below the dam crest. Its capacity with water to the dam crest is computed at 69 c.f.s. The drainage area is 12.7 acres. It is estimated the crest flow would not exceed 60 c.f.s. which is at the rate of over 3000 c.f.s./s.m. The storage above the spillway crest will provide for 5 inches of runoff from the watershed with no release. Hence the spillway is amply large. A suitable inlet transition is planned.

Outlet Works

The outlet pipe will be a 15" concrete pipe encased in a minimum of 6" of concrete placed in an excavated trench without forms. The encasement is carried 3/4 of the way from the upstream toe toward the downstream toe and

W.A.H. APR 17 1950

Meiners Oaks Dam No. 768,

-2-

April 14, 1950.

suitably reinforced. For the remaining 1/4 of its length the pipe is supported on a concrete cradle with the trench backfilled with pervious material. A slide gate with stem running up the dam face is provided at the upstream end. The arrangement and design appears satisfactory.

Recommendations

It is recommended that Engineer Dron be requested to submit tracings for approval. A letter has been drafted for this purpose.

WAB:STB  
4-17-50

cc J. V. Spielman

APR 17 '50 W.A.B.

W.H.H. APR 17 1950

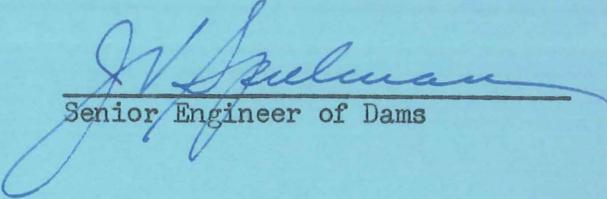
STATE OF CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS  
DIVISION OF WATER RESOURCES

## MEMORANDUM

TO Mr. W. H. Holmes DATE April 11, 1950  
FROM J. V. Spielman SUBJECT Meiner's Oaks  
Dam No. 768

Herewith are prints of drawings revised with regard to spillway and outlet pipe. If satisfactory please advise him to forward tracings for approval. I asked for some revisions on specifications and will forward them as soon as they are satisfactory.

JVS:H  
Enc.

  
Senior Engineer of Dams

W.H.H. APR 17 1950

APR 14 '50 W.A.B.

STATE OF CALIFORNIA  
SAN FRANCISCO 11

Inter-Departmental Communication

To: State Engineer's Office  
Public Works Building  
Sacramento 5 California

From: Division of Fish and Game

File No.

Date: March 21, 1950  
Dam Application, #768  
Subject: Meiners Oaks Dam  
Ventura County

Field personnel of the Division of Fish and Game have investigated this application and find that fisheries resources will not be affected by construction of this dam.

The Fish and Game Commission therefore does not propose to take any action pursuant to Section 520, to 548, inclusive of the Fish and Game code.

Very truly yours,



E. L. Macaulay

Executive Officer

RMP:jg

1820 MAR 23 6 11 2 41

M.H.H. MAR 24 1950

RECEIVED  
DIVISION OF WATER RESOURCES  
SACRAMENTO

## MEINERS OAKS COUNTY WATER DISTRICT

Telephone 2114  
OJAI, CALIFORNIA

DON CULTON, General Manager

Mail Address  
Rt. 3, Box 492-A  
OJAI, CALIFORNIA

Emergency Phone 8051

Business Address  
Amaz & Maricopa Highway  
MEINERS OAKS, CALIFORNIA

March 23, 1950

State of California  
Department of Public Works  
Division of Water Resources  
803 California State Bldg.  
Los Angeles, 12, California

RECEIVED

MAR 24 1950

STATE DEPARTMENT OF PUBLIC WORKS  
Division of Water Resources  
LOS ANGELES OFFICE

Attention: Mr. J. V. Spielman, Senior Engineer

Dear Mr. Spielman:

I enclose the revised prints of the Meiners Oaks Dam and a copy of the specifications.

The following changes have been made:

1. Outlet conduit: Changed to common concrete pipe in reinforced concrete casing.
2. Spillway structure: (a) Changed to concrete box type 2'x5'.  
(b) Side ditch to discharge into spillway structure instead of around end.
3. Gate structure: Minor changes in mechanical detail.
4. Asphaltic membrane protection shown.
5. Increased size of drainage ditch discharge pipes to 24".

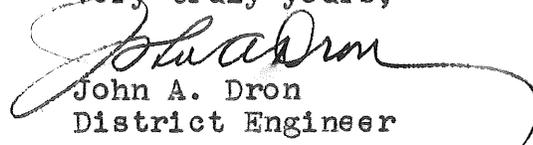
Note that I have not shown the encased conduit clear through the dam but have terminated it at 110 feet from gate structure, in pervious section. The remainder will be spun reinforced concrete pipe.

Your comments or suggestions on the specifications particularly as regards the requirements for compaction are invited.

Copies of a letter from the Division and my reply are enclosed.

Your early reply would be helpful as I am pressing the work to get the specifications completed by the 1st of April.

Very truly yours,

  
John A. Dron  
District Engineer

JAD:ah

C O P Y

MEINERS OAKS COUNTY WATER DISTRICT

Ojai, California

March 17, 1950

State of California  
Department of Public Works  
Division of Water Resources  
P.O. Box 1079  
Sacramento, 5, California

Gentlemen:

Answering your letter of the 15 relative to our proposed dam, I am of the opinion that any filing for an appropriation of water on the watershed in which the dam is to be built would be unnecessary and irrelevant to the purpose of the dam. This on the following grounds:

1st. The dam is solely for the storage and regulation of waters pumped into it from sources owned by the District.

2nd. The watershed area comprising approximately 12 acres is a barren rocky basin, without any springs and only exhibiting runoff in times of unusual or torrential rains.

3rd. Any water originating in the watershed will be bypassed around the reservoir basin by side ditches, as shown upon the plans, and will not enter the storage behind the dam.

I believe the foregoing will sufficiently explain the matter to justify my view that a process of appropriation should not be necessary.

Regarding the dam: I have had a conference with Mr. Spellman, and ironed out the various minor questions that were raised in your referral to him. Perhaps your suggestion regarding the appropriation may have arisen from some confusion regarding the basin on which the dam will be located. Mr. Spellman had it on a drainage lying immediately north of the actual one, which has perhaps  $\frac{3}{4}$  of a square mile of area, and on which there is an existing dam.

The balance of \$12.50 due on application is being forwarded within the next few days, and also a copy of specifications and revised plans.

Yours very truly,

John A. Dron  
District Engineer

JAD:ah

RECEIVED

MAR 24 1950

STATE DEPARTMENT OF PUBLIC WORKS  
Division of Water Resources  
LOS ANGELES OFFICE

A. D. EDMONSTON  
STATE ENGINEER  
CHIEF OF DIVISION

EARL WARREN  
GOVERNOR OF CALIFORNIA

C. H. PURCELL  
DIRECTOR

STATE OF CALIFORNIA  
Department of Public Works  
SACRAMENTO

March 22, 1950

ADDRESS REPLY TO  
DIVISION OF WATER RESOURCES  
PUBLIC WORKS BUILDING  
P. O. Box 1079  
SACRAMENTO 5

Mr. John A. Dron  
Gridley Road  
Ojai, California

SUBJECT: Meiners Oaks Dam No. 768

Dear Mr. Dron:

We wish to acknowledge and thank you for the additional fee in the amount of \$12.50 received in this office on March 21, 1950. Receipt No. 17942 for this amount is enclosed.

Mr. Spielman reports that you are to send revised plans and specifications for the Meiners Oaks Dam in the near future.

Very truly yours,

A. D. EDMONSTON, STATE ENGINEER

By \_\_\_\_\_  
W. H. Holmes  
Principal Engineer of Dams

Enclosure  
cc Mr. J. V. Spielman

W.H.H. STB

RECEIVED

MAR 23 1950

STATE DEPARTMENT OF PUBLIC WORKS  
Division of Water Resources  
LOS ANGELES OFFICE

W.H.H. MAR 22 1950

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STATE OF CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS  
DIVISION OF WATER RESOURCES

RECEIPT NO. 17942

DATE March 21 1950

RECEIVED Invoice # 50/150 Dollars (\$ 12.50)  
 Cash  Money Order  Check *Receipt contingent upon collection*  
 From Members Cobb County Water Dist  
Spice  
California

on account of items checked.

Re Dist # 17942

Seasons		Deposit
		Balance
		Total
<input type="checkbox"/>	Adjudication Assessment	
<input type="checkbox"/>	Referee Assessment	
<input checked="" type="checkbox"/>	Dams	\$ 12.50
<input type="checkbox"/>	Domestic	
<input type="checkbox"/>	Irrigation	
<input type="checkbox"/>	Power	
<input type="checkbox"/>	Municipal	
<input type="checkbox"/>	Mining	
<input type="checkbox"/>	Industrial	
<input type="checkbox"/>	Recreational	
<input type="checkbox"/>	Miscellaneous	
<input checked="" type="checkbox"/>	Filing Fee	\$ 1.00
<input type="checkbox"/>	Permit Fee	
<input type="checkbox"/>	Adjudication	
<input type="checkbox"/>	Water Master Service	
<input type="checkbox"/>	Copying, Comparing	
<input type="checkbox"/>	Certificate Fee	
<input type="checkbox"/>	Refund	
	Ck. No.	

By EDWARD HYATT State Engineer  
 Administrative Assistant

STATE OF CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS  
DIVISION OF WATER RESOURCES

DATE 3/22/50  
 To Mr Harry Weather  
Mr Baker

- For  ATTENTION  
 APPROVAL AND RETURN  
 APPROVAL AND FORWARD  
 REPORT AND RETURN  
 REPLY DIRECT  
 READING AND RETURN  
 READING AND FORWARD  
 READING AND FILING  
 FILING  
 COPYING

*All these call  
out of  
my call  
list.*

CALL UP DATE

Receipt No. 17871 was  
placed in uncleaned collectors  
on 3/6/50 as it was not  
in sufficient amount to cover fee.  
The additional fee (Rec # 17942)  
was paid on 3/21.  
The Rec 17871 may now be  
removed from uncleaned collectors  
and deposited for dams  
W. S. Holmes  
3/22/50

FROM  
 99229 12-32 5M CALIFORNIA STATE PRINTING OFFICE

RECEIVED  
 DIV. OF WATER RESOURCES  
 SACRAMENTO

~~Mr. Speilman~~  
~~Mr. Holmes~~  
File  
9/68

MEINERS OAKS COUNTY WATER DISTRICT

Telephone 2114  
OJAI, CALIFORNIA

Mail Address  
Rt. 3, Box 492-A  
OJAI, CALIFORNIA

DON CULTON, General Manager  
Emergency Phone 8051

Business Address  
Arnaz & Maricopa Highway  
MEINERS OAKS, CALIFORNIA

March 17, 1950

266.0  
Meiners Oaks

State of California  
Department of Public Works  
Division of Water Resources  
P.O. Box 1079  
Sacramento, 5, California

Gentlemen:

Answering your letter of the 15 relative to our proposed dam, I am of the opinion that any filing for an appropriation of water on the watershed in which the dam is to be built would be unnecessary and irrelevant to the purpose of the dam. This on the following grounds:

1st. The dam is solely for the storage and regulation of waters pumped into it from sources owned by the District.

2nd. The watershed area comprising approximately 12 acres is a barren rocky basin, without any springs and only exhibiting runoff in times of unusual or torrential rains.

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The balance of \$12.50 due on application is being forwarded within the next few days, and also a copy of specifications and revised plans.

Yours very truly,

*John A. Dron*  
John A. Dron  
District Engineer

APR 21 1950

JAD:ah

STATE OF CALIFORNIA  
Department of Public Works  
SACRAMENTO

ADDRESS REPLY TO  
DIVISION OF WATER RESOURCES  
PUBLIC WORKS BUILDING  
P. O. Box 1079  
SACRAMENTO 5

March 15, 1950

768

Mr. John A. Dron  
Meiners Oaks County Water District  
Gridley Road  
Ojai, California

Dear Mr. Dron:

Our attention has recently been directed to your proposed dam to be constructed in an unnamed stream tributary to Ventura River within the NE $\frac{1}{4}$  of the NW $\frac{1}{4}$  of Sec. 3, T 4 N, R 23 W, SBB & M.

Although this dam will be under the jurisdiction of the State Engineer as to safety, as evidenced by your application for that purpose, your attention is also directed to Division 2 of the Water Code which provides for filing an application to appropriate water to be stored behind the dam.

One set of application forms and of township plats, together with the latest copy of our Rules, Regulations and Information Pertaining to Appropriation of Water in California, is being forwarded under separate cover for this latter purpose.

Very truly yours,

A. D. EDMONSTON, STATE ENGINEER

MAR 15 1950 H.S.

By Harrison Smitherum  
Supervising Hydraulic Engineer

WRG AD

C  
O  
P  
Y

MEMORANDUM TO W. H. HOLMES

Meiners Oaks Dam No. 768

Conference with Mr. John A. Dron March 15, 1950

By J. V. Spielman

I met Mr. Dron at Ojai to discuss his application and plans for this dam.

1. Fee. Mr. Dron said that he had mailed the balance of the fee.

2. Section of Dam. I believe this section is adequate for the type of soil he will use. He has incorporated a sand and gravel drainage layer under the downstream portion at my suggestion. His location of cutoff he considered tentative and subject to change in the field after stripping the site. As he believes the sandstone ledge is quite tight the cutoff trench should be founded on it as far as possible.

He said he intended to partially face the upstream slope with asphalt for wave action. A note to that effect was suggested.

3. Soil Tests. I talked both to Mr. Dron and Walter Loban regarding the tests the latter made. The test was made according to the highway standard. I believe this is about 40,000 f.p. per c.f. of compaction energy. The test indicates that for an I.S.P.R. of 300 p.s.i. a dry density of 119 p.c.f. is necessary. I am assuming a specific gravity of 2.65 to get this. Mr. Loban said he might get some new equipment soon and he would then run a specific gravity determination. For the present I suggested to Mr. Dron that he specify a dry weight of 119 p.c.f. This may be difficult to obtain.

4. Outlet. Mr. Dron agreed to incase the outlet in concrete with some longitudinal bars and the pipe will be reinforced for the reservoir head.

5. Spillway. I am attaching a "Ventura" quad sheet to show the location of the dam. The drainage area stated of 12.7 acres is probably about correct. As you pointed out, the 5 foot freeboard provided will absorb 5" of rainfall on the area; therefore any reasonable size of spillway would be satisfactory. I suggested a rectangular concrete box spillway 5' high which would have less chance of getting plugged up than the proposed pipe. You suggested a side channel entrance into the storm drain but there is always a danger of the ditch discharging into the reservoir. Also he wants a road around the reservoir which would interfere with the side channel entrance.

See Dron's letter of March 17th. stating the fee would be made sent in a few days  
W.H.H. 3/24/50

Mr. Holmes

March 16, 1950

6. Specifications. These are being written and will be submitted before approval on the application is necessary.

7. Plans. I suggested that Mr. Dron send me one print of his revised plan which I will forward to you if I believe it satisfactory.

JVS:bl  
3-16-50

1950 MAR 17 PM 3 35  
SACRAMENTO  
DIV. OF WATER RESOURCES  
RECEIVED

MAR 20 '50 W.A.B.

W.H.H. MAR 20 1950

STATE OF CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS  
DIVISION OF WATER RESOURCES

## MEMORANDUM

TO Mr. J. V. Spielman DATE March 9, 1950  
FROM W. H. Holmes SUBJECT Meiners Oaks Dam No. 768

W.H.H. MAR 9 1950

We have received an application and 4 sets of plans for Meiners Oaks Dam.

A copy of the application and plan is enclosed.

As the capacity of the reservoir is in excess of 15 acre-feet and the height greater than 25 feet, the dam is subject to supervision of this office.

The drainage area is given as 12.7 acres. A storm drain encircles the reservoir. The reservoir area is about one acre and with 5 feet freeboard, a runoff of 5 inches from the drainage area could be retained as temporary storage above spillway. The spillway is one 24 inch pipe through the fill. Would it not be a more simple design to lower the storm drain near the dam and have a side channel spillway discharge into the storm drain ditch?

The outlet is a 15" concrete pipe, laid in trench. The trench should be backfilled with concrete.

The cutoff trench is located just upstream from the axis. Is there any necessity for locating the cutoff farther upstream?

Does Mr. Dron intend to have any specifications for the job? No specifications were enclosed.

One compaction curve was submitted and is enclosed. The Proctor needle reading curve is not the normal shape. Also, we are in need of a specific gravity to determine the minimum placing dry weight. A discussion with Walter Loban may quickly clarify compaction standards.

The estimated cost is given as \$7,500.00 and a filing fee of \$100 was submitted. The fee is not 1.5% of the estimated cost. Please request Mr. Dron to either correct his estimate or send additional fee as we cannot take any action on his application until the proper fee is filed.

RECEIVED

MAR 10 1950

STATE DEPARTMENT OF PUBLIC WORKS  
Division of Water Resources  
LOS ANGELES OFFICE

*Danger of  
flow with  
reservoir.*

*will come*

# MAXIMUM DENSITY & RELATIVE COMPACTION

TEST NO. \_\_\_\_\_

GRADING ANALYSIS							DIST. VII CO.		RTE.		SEC.		CONT. NO.		FAP NO.	
WT.	SIZE	WT. RET.	%RET.	%PASS	ADJ %PASS	IMD BUILD UP	LIMITS		RES. ENGR.		CONTRACTOR		SAMPLED FROM		DEPTH	
	3/4"					100	SAMPLE OF <i>Soil</i>				<i>Reservoir Site</i>					
	1/2"						SOIL CLASS									
	3/8"						ORIGINAL SOURCE OF SUPPLY <i>Borrow Pits &amp; Silt.</i>				QUANTITY REPRESENTED					
	#28		1	99			OWNER OR <i>MR. Meiners Docks Co. Water Dist.</i>				FOR USE IN <i>Application For State Approval.</i>					
	TOTAL		DATE			BY	SAMPLED BY <i>John A. Dron</i>		TITLE <i>Dist. Engr.</i>		DATE		DATE REC'D.		REPORTED	

## RELATIVE COMPACTION

VOLUME OF HOLE				WEIGHT OF SOIL				OPTIMUM MOISTURE CONTENT
A	GROSS WT. SAND			F	GROSS			
B	TARE + RESIDUE			G	TARE			
C	CONE + SHIELD +			H	WET SOIL			
D	NET WT. SAND @ D <sub>1</sub>	#/CF		I	DRY SOIL			
E	VOL. OF HOLE			J	H <sub>2</sub> O			
NOTE: D = A - (B + C)		J = H - I		K %H <sub>2</sub> O		MAXIMUM DENSITY		
E = D ÷ D <sub>1</sub>		K = J ÷ I		L WT./CF IN PLACE				
H = F - G		L = I ÷ E = ID <sub>1</sub> ÷ D		N REL. COMP.		%		
N = L ÷ MAX. DEN.				DATE		BY		

9.9  
126

## COMPACTION TEST DATA

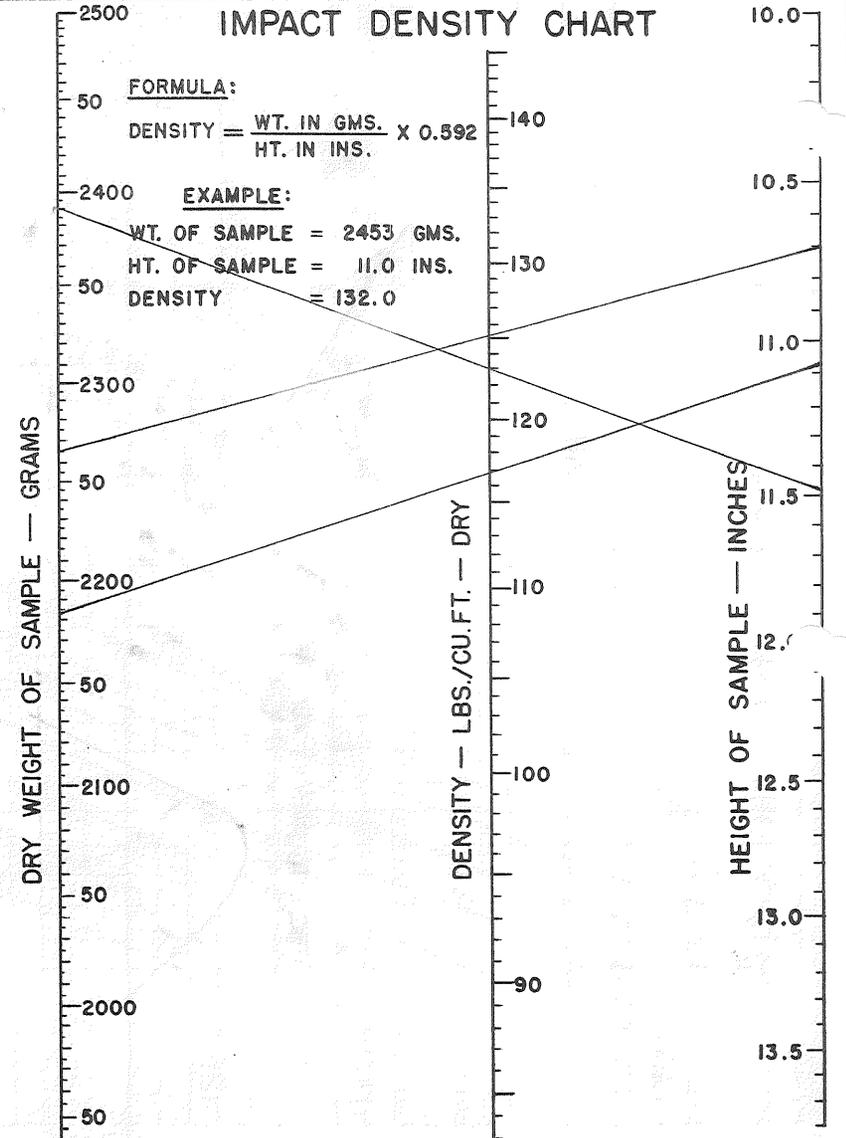
CYL. NO.	COMPACTION TEST DATA			MOISTURE SAMPLES		
	IMD	RC		IMD	RC	
WET SPEC.	2537	2500	2500	WET SOIL		
GROSS WET				DRY SOIL		
TARE				WT. H <sub>2</sub> O		
NET WET	2537	2500	2500	% H <sub>2</sub> O		
NET DRY	2390	2266	2183	DATE		
WT. H <sub>2</sub> O	147	234	317	BY		
% H <sub>2</sub> O	6	10.3	14.3	FIELD OR LAB. REMARKS:		
HT. SPEC.	11.5	10.7	11.1			
DRY WT. LBS/CF	123	125	117			
DATE	2-22-50					
BY	W/L.S.					

### REPORT REMARKS:

*Tests made were of Sample No. 1 which is considered representative of the material to be used for the embankment.*

*Tests run by MR. Walter Lubon  
Asst. Engineer  
County of Venkna*

## IMPACT DENSITY CHART



March 9, 1950

Mr. John A. Dron  
Gridley Road  
Ojai, California

SUBJECT: Meiners Oaks Dam No. 768

Dear Mr. Dron:

Receipt is acknowledged of your letter, dated March 2, 1950, transmitting four copies of an application for approval of plans and specifications for construction of Meiners Oaks Dam; four sets of plans; one compaction test sheet and a check for \$100 as the fee.

It is noted that you transmitted four copies of the application. We give each applicant four copies of the form but we require only filing in duplicate. The Fish and Game Commission requires the applicant to file one copy of the application at their San Francisco office in the Ferry Building. The fourth copy is for the applicant's file. We are returning the two extra copies.

One set of plans is being mailed to Mr. J. V. Spielman in our Los Angeles office, Room 803, California State Building.

You have stated the estimated cost as \$7,500. The proper filing fee is 1.5% of the estimated cost, or in this case, \$112.50. If the estimated cost is correct, \$12.50 is due before we can act upon your application. Receipt No. 17871 for the fee submitted is enclosed.

We have requested Mr. Spielman to discuss the plans and specifications with you and make recommendations thereon.

Very truly yours,

A. D. EDMONSTON, STATE ENGINEER

By \_\_\_\_\_  
W. H. Holmes  
Principal Engineer of Dams

Enclosures 3

cc Mr. J. V. Spielman

WHH:STB

W.H.H. MAR 9 1950

MAR 16 '50 W.A.B.

March 9, 1950

To: Mr. Gordon Zander

Supervising Hydraulic Engineer in Charge of Water Rights

From: Mr. W. H. Holmes

Supervising Engineer of Dams

Name of Dam: Meiners Oaks Application No. D 768

On March 6, 1950, Mr. John A. Dron, agent for Meiners Oaks  
County Water District, Gridley Road, Ojai, California

filed with this office an application for approval of plans and  
specifications for the construction, ~~enlargement~~ of an earth

dam to be 29 feet in height, with a storage capacity of  
15.9 acre-feet at an estimated cost of \$7,500.00.

situated on unnamed watercourse tributary to Ventura River

NE<sub>4</sub> of  
in NW  $\frac{1}{4}$  of Sec. 3, T. 4N., R. 23W., S.B.

B&M., Ventura County

to be used for storage & regulation

for municipal, domestic purposes.

Remarks:

Form 24a

5-1-46

W.H.H. MAR 9 1950

Name of Dam Meiners Oaks Application No. 768

State Division of Fish and Game  
Ferry Building  
San Francisco, California

Gentlemen:

Application was filed on March 6, 1950, by  
John A. Dron, agent for Meiners Oaks County Water District, Gridley Road, Ojai,  
California for approval

of plans and specifications for the construction of  
an earth dam 29 feet in height with a storage capacity  
of 15.9 acre-feet at an estimated cost of \$7,500.00  
situated on unnamed watercourse tributary to Ventura River  
in NE $\frac{1}{4}$ , NW $\frac{1}{4}$ , Sec. 3 , T. 4N. , R. 23W. , S.B. B & M , Ventura County

Description of work \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Please acknowledge promptly the receipt of this notice in the space provided  
below and return one of the two copies which are enclosed.

Please advise as soon as possible whether the Fish and Game Commission proposes  
to take action pursuant to Section 520 to 548, inclusive, of the Fish and Game  
Code, and if any, the nature and character thereof.

Very truly yours,

~~EDWARD HYATT~~ A. D. EDMONSTON

\_\_\_\_\_  
State Engineer

Acknowledged by \_\_\_\_\_

Date \_\_\_\_\_

Form #47  
12-11-47

W.H.H. MAR 9 1950

STATE OF CALIFORNIA  
DEPARTMENT OF PUBLIC WORKS  
DIVISION OF WATER RESOURCES

RECEIPT N<sup>o</sup> 17871

DATE March 6 19 50

RECEIVED One Hundred + no/100 Dollars (\$ 100<sup>00</sup>)  
 Cash     Money Order     Check *Receipt contingent upon collection*

From

Miners Oak Co. Water Dist.  
40 John G. Brown  
Escondido, Calif.

W.H.M. MAR 9 1950

on account of items checked.

Re Uncleared Collections

Seasons \_\_\_\_\_

- |  |   |   |
|--|---|---|
| <input type="checkbox"/> Adjudication Assessment | } | <input type="checkbox"/> Filing Fee { DEPOSIT BALANCE FULL } \$ _____ |
| <input type="checkbox"/> Referee Assessment      |   | <input type="checkbox"/> Permit Fee . . . \$ _____                    |
| <input type="checkbox"/> Dams                    |   | <input type="checkbox"/> Adjudication . . . \$ _____                  |
| <input type="checkbox"/> Domestic                |   | <input type="checkbox"/> Water Master Service \$ _____                |
| <input type="checkbox"/> Irrigation              |   | <input type="checkbox"/> Copying, Comparing \$ _____                  |
| <input type="checkbox"/> Power                   |   | <input type="checkbox"/> Certificate Fee . . . \$ _____               |
| <input type="checkbox"/> Municipal               |   | <input type="checkbox"/> Refund                                       |
| <input type="checkbox"/> Mining                  |   | Ck. No. _____ \$ _____  |
| <input type="checkbox"/> Industrial              |   |   |
| <input type="checkbox"/> Recreational            |   |   |
| <input type="checkbox"/> Miscellaneous _____     |   |   |

A. D. EDMONSTON    EDWARD HYATT, *State Engineer*

By J. H. [Signature]  
*Administrative Assistant*

(For full information concerning the filling out and filing of this form send for Rules and Regulations of the Division of Water Resources Governing the Supervision of Dams)

STATE OF CALIFORNIA—DEPARTMENT OF PUBLIC WORKS  
DIVISION OF WATER RESOURCES  
STATE ENGINEER

Application No. 768 Filed March 6, 1950  
Applicant must not fill in the above blanks

APPLICATION FOR APPROVAL OF THE PLANS AND SPECIFICATIONS FOR THE CONSTRUCTION OR ENLARGEMENT OF A DAM

This application involves in no way the right to appropriate water  
To secure the right to appropriate water, application should be made to this department on forms which will be furnished upon request.

I, John A. Dron of Ojai  
Name of applicant Post office  
County of Ventura State of California, hereby make application for the approval of the plans and specifications for the ~~enlargement~~ <sup>construction</sup> of Meiners Oaks dam.  
Strike out one Name of dam  
The owner of the dam is Meiners Oaks County Water District  
Name of owner  
of Ojai County of Ventura State of California  
Post office  
Is the owner a Public Utility? Yes  
Yes or no  
If the owner is a corporation, give name and address of president and secretary—

The applicant is acting for the owner in the legal capacity of agent  
Agent, Lessee, Trustee, etc.

Location of Dam

1. The dam is located on unnamed watercourse which is a tributary of Ventura River  
Creek or river Lot 3 of NE 1/4 of Creek or river  
in Ventura County and in the NW 1/4, Sec. 3, Tp. 4N., R. 23W., SB B. & M.

Description and Dimensions of Dam

(If for an enlargement, the data given below are for the enlarged dam)

2. Type of dam Earth 3. Length of crest 280 ft.  
Concrete arch or gravity, earth, rockfill, etc.  
4. Height streambed to spillway crest 29 ft. 5. Height foundation to spillway crest 26 ft.  
6. Freeboard 5 ft. 7. Thickness at top 10 ft. 8. Thickness at bottom 150 ft.  
Spillway crest to top  
9. Slope upstream\* 3:1 10. Slope downstream\* 2:1 11. Upstream facing\* asphaltic  
\* This information to be supplied for earth or rockfill dams. Concrete or rock paving, etc.  
12. Amount of material in dam 10,500 cu. yds. 13. Estimated cost \$ 7,500.00  
Fee will be based on this figure  
14. Spillway data 24" corr. iron pipe - 10% grade  
Type, capacity, etc.  
15. Outlet data 15" centrifugally spun concrete pipe "D 2100"  
Type, capacity, etc.  
16. Elevation of crest of dam 910 above U.S.G.S. datum  
Approximate elevation to be given if true elevation not available  
17. Area of reservoir at spillway level 1.14 acres. 18. Capacity of reservoir 15.9 ac. ft.  
19. Drainage, area (12.7 acres) 0.02 sq. mi.

20. State what provisions will be made to divert flood flows during construction ditch and pipe

If necessary to clarify this feature, drawings showing the temporary diversion works will be required.

### Precipitation and Flood Data

21. Rainfall. If records of rainfall other than those published by the U. S. Weather Bureau are available, state the location and names of the stations and the maximum intensity of rainfall for 1, 12, 24 and 48 hours. (Use extra sheets or exhibits if necessary.)

Max. rec. rainfall at Shelton Ranch 1/2 mi. dist. 1.12 in. per hr. (from information by Mr. Richard Jameson, Hydrologist.)

22. State the estimated maximum rainfall on watershed 2 inches of rain in 1 hours.

23. Flood data. If records of flood flow other than those published by the U. S. G. S. are available state: location and dates of measurements; maximum flow in cubic feet per second; duration in hours of crest flow and of the flood. State the estimated maximum flood flow in cubic feet per second and duration of flood and of crest flow in hours. (Use extra sheets or exhibits if necessary.)

No flood data on this small basin

Estimated runoff 1 cu. ft. per sec. per acre

### General Information

24. State the purpose of the dam Storage & regulation, municipal water supply  
Diversion only; storage only; storage and diversion; debris storage, etc.

25. State the use that is to be made of water Municipal domestic  
Municipal, domestic, irrigation, power, mining or recreation

26. Engineers John A. Dron, A.S.C.E.; Reg. CE No. 224 Calif.  
Chief Engineer Resident Engineer  
None  
Consulting Engineer

27. If the proposed dam is to be built under Federal license or permit, state what department has jurisdiction  
none

28. The maps, plans and specifications and filing fee of \$100.00 accompanying this application are a part thereof.

[SIGNED] John A. Dron  
Applicant  
this 2nd day of March 19 50

### APPROVAL OF APPLICATION NO. 768, INCLUDING THE PLANS AND SPECIFICATIONS

This is to certify that Application No. 768, including the plans and specifications for the Meiners Oaks dam has been examined and the same is hereby approved, subject to the following conditions:

1. Construction work shall be started within one year from date.
2. No foundations or abutments shall be covered by the material of the dam until the department has been given an opportunity to inspect the same.

Witness my hand and the seal of the Department of Public Works of the State of California

this 3d day of May 19 50

A. D. EDMONSTON, State Engineer

copy - JVS

# MEINERS OAKS COUNTY WATER DISTRICT

Telephone 2114

OJAI, CALIFORNIA

DON CULTON, General Manager

Emergency Phone 8051

Mail Address  
Rt. 3, Box 492-A  
OJAI, CALIFORNIA

Business Address X  
Arnaz & Maricopa Highway  
MEINERS OAKS, CALIFORNIA

March second  
1 9 5 0

Address reply or  
correspondence to  
John A. Dron  
Gridley Road, Ojai  
Calif.

State of California  
Department of Public Works  
DIVISION OF WATER RESOURCES  
Sacramento, Calif.

Gentlemen:

I submit for your consideration an application for the approval of plans for the construction of an earthen reservoir or dam to be built in connection with a municipal water supply system for the above District.

This application has been drawn up after consultation with Mr. Speilman, your Los Angeles representative, who recently visited the site with me and who is familiar with the project.

With the application I am also submitting density and compaction tests as made by Mr. Walter Loban, Asst. Engineer from the office of the County Engineer of Ventura County.

It is believed that the data set forth upon the plans and the application form will be sufficient to determine the character of the proposed construction, but if any further information is required it will be promptly supplied. It was Mr. Speilman's suggestion that we submit the initial prints, and that the final drawings as required by the governing Act, could be made up in final for and submitted after any changes or corrections had been made. We are accordingly sending four copies of the prints under separate cover.

Inasmuch as it is important that we complete construction before the onset of the dry season, we ask that you expedite consideration of the plans. We expect to restrict the contract to bidders who are able to show experience in this type of construction, in much the same way that the State Highway requires for major highway work.

Yours very truly

Meiners Oaks County Water Dist.

per *John A. Dron*  
John A. Dron  
District Engineer

Enclosures:  
4 copies Application form  
Check for \$100.00 fee  
Compaction Test sheet

MAR 16 '50 W.A.B.

*copy for L.A. office*

W.A.B. MAR 9 1950

MEMORANDUM TO W. H. HOLMES

PROPOSED DAM FOR MEINERS OAKS COUNTY WATER DISTRICT

Conference January 23, 1950

By J. V. Spielman

*250.0  
Meiners Oaks*

At the request of Mr. John A. Dron, Civil Engineer of Ojai, the writer met him at the City Hall in Ojai, and accompanied him to the site of the proposed dam.

Mr. Dron is engineer for the newly formed Meiners Oaks County Water District. This unincorporated area lies just west of Ojai and near the Ventura River. The population is about 2,500. The area has been served by a mutual water company until formation of the county water district. The distribution system is inadequate and dis-integrating and a bond issue, for \$200,000 plus, has been passed for a new distribution system and a small reservoir.

The site of the dam is in a small draw having a very small drainage area. A rather massive soft sandstone and conglomerate formation is exposed at the damsite. Mr. Walter Loban, of the County Engineer's office, was present and had made some compaction tests (by highway standards) on the soil, getting dry weight of 120 and 123 p.c.f. The soil is a fine sandy material having perhaps a small percentage of clay. There is probably not sufficient soil available for the dam and some of the local sandstone may need to be used. However, with rollers heavy enough to crush it, a suitable pervious fill will probably be obtained. The writer suggested a permeability test on the natural soil.

The dam is proposed to be 29 feet high to spillway crest with a reservoir capacity of 15 acre-feet. As they may wish to raise it later the directors of the district wish state supervision.

Mr. Dron's preliminary plans showed a section having 1 on  $3\frac{1}{2}$  and 1 on  $2\frac{1}{2}$  upstream and downstream slopes respectively with 3' free-board and 12' crest. The writer suggested that a 1 on 3 upstream slope would probably be satisfactory but that increased freeboard would be desirable. Spillway and outlet details were discussed.

The writer gave Mr. Dron copies of Form 3 and has also sent both him and Mr. Loban copies of "Notes on Soil Compaction and Specification Outline".

JVS:H  
1-26-50

REC'D CIVIL ENGR 1/23/50

DIV. OF WATER RESOURCES

W.H.H. JAN 30 1950

JAN 30 '50 W.A.B.

State of California  
Department of Public Works  
DIVISION OF WATER RESOURCES  
401 Public Works Building  
Sacramento

ORDER AUTHORIZING USE OF DAM

Application No. 768  
Name of Dam Meiners Oaks  
Stream Tributary of Ventura River  
Legal Subdivision NW<sub>2</sub>, Sec. 3, T. 4N., R. 23W., SB B&M  
County Ventura

Meiners Oaks County Water District  
Ojai, California

TO: ATTENTION: Mr. John A. Dron, District Engineer

WHEREAS, application for permission to make use of the above dam, bearing date of October 24, 1950, has been received by the State Engineer, pursuant thereto you are hereby authorized to make use of said dam pending issuance by the State Engineer of Certificate of Approval thereof, upon the conditions, and subject to the limitations upon the nature and extent of such use as follows:

1. This authorization shall be subject to revocation at any time in the discretion of the State Engineer.
2. The State Engineer shall be fully and promptly advised of any sudden and/or unprecedented flood and/or unusual or alarming circumstance or occurrence affecting said dam.
3. Full, complete and careful observations shall be taken and kept of any and all data, circumstance, occurrence and/or condition affecting, relating to or in anywise appertaining to stream flow, whether under normal or flood conditions; foundations and abutments; structure and appurtenant works, which do or may affect the stability, permanency and/or safety of said dam or the said authorized use thereof.
4. Water may be stored behind said dam up to the elevation contemplated in the application for the approval of plans and specifications for the construction of said dam, filed with the State Engineer on March 6, 1950. That in the event of sudden floods or other unforeseen or uncontrollable cause, said waters should rise above such elevation, sluice gates shall be opened, or other means shall, as soon as possible, be taken to lower the said storage to the said permitted elevation.

WITNESS my hand and the seal  
of the Department of Public Works  
of the State of California this  
8th day of November 1950.

\_\_\_\_\_  
A. D. EDMONSTON, STATE ENGINEER

NOV 13 1950 W.A.B.

W.H.H. NOV 9 1950

cc J. V. Spielman--

Form 7A  
3-28-50

Allen's  
PRESS CLIPPING BUREAU  
Established 1888

LOS ANGELES  
San Francisco - Portland

Ventura, Cal.  
Star Free Press  
(Cir. 9,802)

SEP 16 1947

768



(Star-Free Press Photo)

**MEINERS OAKS' WATER**—Here is a picture of the entire water supply for the Meiners Oaks area. This diversion ditch, in the riverbed just above the community it serves, takes from the river what water still trickles after a below average rainfall and a hot, dry summer. The Rancho Ojai Mutual Water company which serves the area has no wells, save for an auxiliary sump well which feeds a small amount of water into the aqueduct via the firehoses shown at right of the entrance channel. The only storage of water is the capacity of the gravity flow pipe.

## MEINERS OAKS WATER SEVERE.

Meiners Oaks' water supply grows more meager by the minute as the annual meeting of the board of directors and stockholders draws near, and water—or the lack of it—is the principal conversation up and down the streets of the little community.

Robert Anderson, manager of the Rancho Ojai Mutual Water company from which the area gets its water supply, said that all sorts of rationing plans have been used to conserve and equally distribute the water but added that the supply has dwindled to such a point now that there isn't enough to ration.

"At this time of year, Meiners Oaks needs more than 200 inches of water. Our pipeline out of the river will carry 202 inches. In April, the supply dropped to 180. In August, it dropped to 62. At present there is 36 inches coming in out of the river," Anderson ex-

CALIFORNIA  
**VENTURA QUADRANGLE**

GRID ZONE "G"

1:125000)

20

WHEELER HOT SPRINGS 0.1 MI.

R 23 W

119°15' 34"30"

(MT. PINOS  
1:125000)

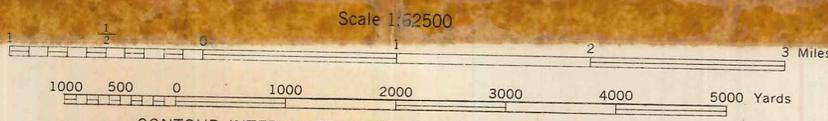


Hantgin  
Dam  
(Memo to follow.)

Meiners Oaks  
No 768

SANTA PAULA 17 MI.  
FILLMORE 26.3 MI.

(SANTA PAULA)



CONTOUR INTERVAL 50 FEET -- DATUM IS MEAN SEA LEVEL

NOTE: OFFICERS USING THIS MAP WILL MAKE NECESSARY CORRECTIONS AND REPORT THEM TO THE CHIEF OF ENGINEERS, WASHINGTON, D. C.

**VENTURA, CALIF.**

N3415-W11915/15

T 3 N