

MEINERS OAKS COUNTY WATER DISTRICT

OJAI, CALIFORNIA

SPECIFICATIONS AND
CONTRACT DOCUMENTS
FOR
CONSTRUCTION OF ROLLED
EARTH DAM AND APPURTENANCES

-- o --

Board of Directors

Joe Wingate, Pres.	Ray Bower
Ralph Andruss	J. Robert McEntee
W. C. Brock	

-- o --

Jane E. See, Sec'y-Auditor

Delbert Amrine, Gen'l Manager

-- o --

John A. Dron, Reg. C. E. No. 224,	District Engineer
William T. Selby, Attorney at Law,	Legal Counsel

-- o --

March, 1950

TABLE OF CONTENTS

	<u>Page</u>
<u>PART I. INSTRUCTIONS AND CONTRACT DOCUMENTS</u>	4 - 27
Notice to Bidders	4 - 6
Proposal	7 - 9
Bidder's Statement of Financial Responsibility, Technical Ability and Experience	10
Bidder's Statement of Sub-Contractors	11
Contract	12 - 25
1.1 Agreement	12
1.3 Scope	12
1.4 Plans and Specifications	13
1.5 Schedule of Prices	13
1.6 Payment	15
1.7 Bond	15
1.8 Liability	16
1.9 Assignment of Contract	17
1.10 Failure in Contract	17
1.11 Changes of Work	18
1.12 Faulty Material	19
1.13 Maximum Hours	19
1.14 Wage Scale	20
1.15 Alien Labor	21
1.16 Sub-Contractors	22
1.17 American-Made Materials	22
1.18 Loss or Damage	23
1.19 Workmen's Compensation	23
1.20 Time Limit	24
1.21 Final Certificate and Payment	24
Signatures	25
Exhibit A - Prevailing Wage Scale	26 - 27
 <u>PART II. GENERAL PROVISIONS</u>	 28 - 38
SECTION 1. DEFINITIONS	28
SECTION 2. AWARD OF CONTRACT	29 - 30
2.1 Contract Documents	29
2.2 Copies of Contract.	29
2.3 Labor Bond	29

PART II. GENERAL PROVISIONS (Continued)

	<u>Page</u>
SECTION 2. (Continued)	
2.4 Performance Bond	30
2.5 Sub-Contractors	30
SECTION 3. LEGAL RELATIONS	30-31
3.1 Permits and Licenses	30
3.2 Insurance	30
3.3 Prevailing Wage Scale	31
3.4 Patent Suits	31
SECTION 4. SCOPE OF THE WORK	31-32
4.1 Intent of the Plans and Specifications	31
4.2 Special Work	31
4.3 Increased or Decreased Quantities	31
4.4 Extra Work	32
4.5 Cleaning Up	32
SECTION 5. CONTROL OF WORK	32-33
5.1 Interpretation	32
5.2 Checking Plans and Specifications	32
5.3 Changes in Work	32
5.4 Cooperation with Sub-Contractors or Others	33
5.5 Aids to Engineer	33
5.6 Suspension of Work	33
5.7 Extra Compensation	33
SECTION 6. PAYMENTS	33-35
6.1 Scope of Payment	33
6.2 Payments for Increased or Decreased Quantities	33
6.3 Payments for Extra and Force Account Work	34
6.4 Partial Payments	34
SECTION 7. PROGRESS OF WORK	35-36
7.1 Progress	35
7.2 Assignment	35
7.3 Competent Employees	35
7.4 Adequate Equipment	35
7.5 Suspension of Work	35
7.6 Extension of Time	35
7.7 Time Limit	36
7.8 Failure of Performance	36

PART II. GENERAL PROVISIONS (Continued) Page

SECTION 8. COMPLETION OF WORK.	36 -38
8.1 Testing	36
8.2 Work in Service	37
8.3 Final Clean Up	37
8.4 Completion and Acceptance of Work	37
8.5 Final Estimate and Payment	37
8.6 Release of Liability	38

PART III. SPECIAL PROVISIONS 39 -50

SECTION 1. GENERAL INFORMATION 39 -40

1.1 Location	39
1.2 Work to be Done	39
1.3 Utilities	39
1.4 Roads, Access	39
1.5 Supervision	39
1.6 Sanitary Provisions	39
1.7 Labor	39
1.8 Changes on Project	40
1.9 Water in Foundation	40

SECTION 2. CLEARING AND GRUBBING OF FOUNDATION OF
DAMSITE, SPILLWAY AND BORROW PIT AREAS. 40 -41

2.1 Trees and Other Growth	40
2.2 Limits of Clearing	40
2.3 Payment	41

SECTION 3. EXCAVATION 41 -42

3.1 Dam and Spillway	41
3.2 Earth Excavation	41
3.3 Structural Excavation	41

SECTION 4. STRIPPING BORROW AREAS AND SITE OF DAM
EMBANKMENT 42

SECTION 5. EMBANKMENT 42 -44

5.1 Preparation of Foundation	42
5.2 Materials Used	43
5.3 Addition of Moisture and Compaction	43
5.4 Tamping	43
5.5 Placement of Material	44
5.6 Pervious Material	44
5.7 Amount of Shrinkage	44
5.8 Payment for Embankment	44
5.9 Additional Borrow Pits	44

PART III. SPECIAL PROVISIONS (Continued)

Page

SECTION 6. DAM FACING AND ROCK TOES	44 -45
6.1 Material Used	44
6.2 Payment	44
6.3 Sand and Gravel Blanket	45
SECTION 7. CONDUIT INSTALLATION	45
7.1 Conduit Description	45
7.2 Trenching and Pipe Laying	45
7.3 Concrete Casing around Conduit and Concrete Cut-off Walls	45
7.4 Backfill	45
SECTION 8. REINFORCED CONCRETE STRUCTURES	46 -47
8.1 Structures to be of Concrete	46
8.2 Payment	46
8.3 Portland Cement Concrete (Specifications)	46
8.4 Reinforcing Steel	47
SECTION 9. GATE INSTALLATION	47
SECTION 10. DRAINAGE DITCH AND CONDUITS	47 -48
SECTION 11. FENCING INSTALLATION	48
SECTION 12. DRESSING OF INTERIOR OF RESERVOIR BASIN	48
SECTION 13. OUTLET CONDUIT EXTENSION	48 -49
SECTION 14. FIELD TEST FOR PRESSURE PIPE	49
SECTION 15. GUARANTEE	49 -50

NOTICE TO BIDDERS

Sealed proposals will be received by the Secretary of the Meiners Oaks County Water District up to _____, April _____, 1950, for the CONSTRUCTION OF ROLLED EARTH DAM AND APPURTENANCES, in accordance with the plans and specifications on file in the office of the District. On that date they will be publicly opened and read in the District office.

The name and location of the work covered by these specifications is Meiners Oaks County Water District Dam (State No. 768) located about one mile north of Meiners Oaks, California.

The work to be done consists, generally, of excavating for and constructing a rolled fill earth dam, with a concrete spillway on the right abutment, a sixteen inch (16") concrete pipe conduit through the dam, and appurtenant works as enumerated hereunder.

Contractor shall furnish all labor, implements, tools, machinery, and materials, except as may be herein otherwise specified, required for construction complete in every detail, and to the satisfaction of the Meiners Oaks County Water District Board of Directors.

Each bid must be accompanied by a check, certified or cashier's or by a bid bond executed by a corporate surety, in the sum of not less than ten per cent (10%) of the total amount of the bid as a guarantee that the bidder will enter into the proposed contract if it be awarded him. Such guarantee is to be forfeited should the bidder to whom the contract is awarded fail to enter into the contract.

All bids are to be compared on the basis of the District Engineer's estimate of the quantities of work to be done.

No bid will be accepted from a contractor who has not been licensed in accordance with the provisions of Chapter 791, Statutes of 1929, as amended.

Prospective bidders desiring copies of the plans and specifications may obtain the same from the Secretary of the District upon payment of \$25.00 per set, which sum will be refunded to bidders and to non-bidders upon return of the documents in good condition within thirty days after date on which bids are received.

The District shall have the right to retain all bids for a period of 15 days, for examination and comparison, and reserves the right to reject any and all bids.

No bid will be considered unless it is made in accordance with the provisions of the instructions to bidders and on forms furnished by the District.

The attention of bidder is called to the Form of Contract attached to the specifications and made a part thereof and to the requirements, among other things, for submitting names of Sub-Contractors, for the supplying of security bonds and for compliance with all labor regulations and all other regulations required to be complied with by persons doing public work.

The Board of Directors of Meiners Oaks County Water District has ascertained the general prevailing rate of wages applicable to the work to be done to be as follows:

<u>Job</u>	<u>Rate of Wage</u>
Carpenter	2.12
Shingler	2.25
Floorlayer	2.32
Millwright	2.32
Saw Filer	2.20
Table Power Saw Operator	2.20
Pile Driver Foreman	2.55
Pile Driver Man-Bridge or Dock Carpenter	2.25
Pile Driver Man - Derrick Bargemen	2.07
Pile Driver Man - Head Rock Slinger	2.22
Pile Driver Man - Rock Slinger	2.02
Cement Finisher	2.20
Reinforcing Iron Worker	2.20
Laborers, General or Construction	1.57
Operators and Tenders of Pneumatic and Electric Tools, Vibrating Machiners, and Similar mechanical tools not separately classified herein.	1.77
Cribbers or Shorers	1.92
Powderman	1.92
Asphalt Raker and Ironer	1.77
Drillers (Core, Diamond or Wagon)	2.00
Drillers (All other)	1.85
Sewer Pipe Catulker (using caulking tools)	1.75
Sewer Pipe Caulker (cement joints)	1.62
Apprentice Engineer, including Fireman, Oiler, Greaser	1.75
Air Compressor Operator	1.87
Concrete Mixer Operator -paving type and mobile mixer	2.22
Concrete Mixer Operator - Skip Type	2.00
Roller Operator	2.07
Skip Loader Operator - Wheel Type	2.00

<u>Job</u>	<u>Rate of Wage</u>
Tow Blade or Grader Operator	2.00
Tractor Hi-Lift Shovel Operator	2.32
Tractor Operator - Bulldozer, Tamper, Scraper or Drag Type Shovel or Boom Attachments	2.12
Tractor Scraper or Drag Type Shovel- Tandem	2.50
Trenching Machine Operator	2.20
Universal Equipment Operator (Shovel, Drag- line Derrick, Derrick-Barge, Clamshell or Crane)	2.32
Welder	
Drivers of Trucks-Legal Payload Capacity less than 6 tons	1.65
Drivers of Trucks-Legal Payload Capacity between 6 and 10 tons	1.67

Positions not listed above will be allocated in accordance with prevailing wage rates in this area in accordance with said Section 1770 of the Labor Code.

The minimum wage to be paid all unskilled labor for which rates are not shown shall be not less than \$1.57 per hour.

Overtime shall be one and one-half ($1\frac{1}{2}$) times the above rates.

Sundays and holidays (except for watchman, flagman and guards) shall be one and one-half ($1\frac{1}{2}$) times the above rates.

Not less than the prevailing rate of per diem wages shall be paid, but nothing in Section 1770 of the Labor Code, prohibits the payment of more than the prevailing rate of wage to any workman employed on this public work.

Daily wage eight times the hourly wage shown.

PROPOSAL
FOR THE CONSTRUCTION OF

ROLLED EARTH DAM AND
APPURTENANCES

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

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	
2.	300 cu. yds.	Stripping borrow pit area	
3.	11,700 cu. yds.	Embankment in place	
4.	160 cu. yds.	Side drain ditches	

Item No.	Approximate Quantity	Items with unit price Written in Words	Unit Price Written in Figures
5.	36 Cu. yds.	Structural excavation	
6.	110 lin. ft.	Conduit pipe. 16" common concrete pipe, encased in concrete. (as included in Item 7).	
or 6a. (alternate)	110 lin. ft.	15" centrifugally spun concrete pressure pipe encased in concrete. (included in Item 7.)	
7.	45 cu. yds.	Concrete, reinforced. In place.	
8.	1800 lbs.	Reinforcing steel.	
9.	300 ft.	24" iron pipe drainage, install- ation, and 2 - 24" Armco end sec- tions, or equal.	
10.	Lump sum	Gate and gate installation in- cluding flanged steel elbow.	