ORDINANCE NO. 172

gon, and the construction of pipelines and reservoir, and providing the terms and conditions thereof.

The gity of Medford doth ordain as

Section 1. That the mayor and re-corder of the city of Medford are here-by authorized and instructed to make, enter into and execute, on behalf of said city, an agreement with I. L. Ham-ilton, in words and figures as follows, towit:

This agreement, made and entered

This agreement, made and entered into this ... day of November, 1908, by and between I. L. Hamilton, of Jackson county, Oregon, hereinafter called the contractor, and the city of Meditord, Oregon, a municipal corporation, hereinafter called the city.

Witnesseth, That, wher as, the said contractor has hereitofore submitted to the people of said city and to the city council thereof a proposal to furnish to the said city 300 inches of water and to furnish and build a pipeline and reservoir, according to the terms and reservoir, according to the terms and conditions in said proposal set forth, which proposal is hereto annexed and marked "Exhibit A" and made a part of this agreement, and

of this agreement, and
Whereas, the said proposal has been
accepted by a majority vote of the people of said city and by the city council

New, therefore, the said contractor New, therefore, the said contractor hereby undertakes and agrees to fur-nish to the city of Medford a perpetual flow of 300 inches (Seven and one-half cubic feet per second) of water at the intake of the pipeline hereinafter men-tioned, on the north fork of Little Butte creek, and to furnish all labor and materials for and construct and complete a pipeline from said intake to the reservoir hereinafter mentioned, the cetablished near said city, to furto be established near said city, to the nish all labor and materials for and construct and complete said reservoir and a pipeline connecting same with the distributing system of said city, all such construction to be along the lines and grades which shall be furnishlines and grades which shall be furnished by the supervising engineer of said city, and according to the specifications furnished by said supervining engineer, which specifications are hereto annexed and marked "Exhibit B," and made a part of this agreement, and upon the terms and conditions expressed in said proposal marked "Exhibit A."

And the said contractor further un And the said contractor further undertakes and agrees to furnish to said city, immediately after the execution of this agreement, an agreement between the Fish Lake Water company and said city, whereby the said Fish Lake Water Company agrees to furnish said water as above set forth, and guarantees the said city against all litigation that that may arise out of such furnishing of said water to said city, and agreement to be secured by a satisfactory surety bond in the sum of fifteen thousand dollars, conditioned upon the faithful performance of said upon the faithful performance of said agreement by said Fish Lake Water Company; And said contractor further agrees to

And said contractor further agrees to furnish to said city a satisfactory sure ty bond in the sum of one hundred thousand dollars, conditioned upon the faithful performance of all that part of this agreement relating to furnish-ing of materials and labor and construc-tion as herein provided, according to

of this agreement relating to furnishing of materials and labor and construction as herein provided, according to the terms and conditions hereof and of said proposal and specifications.

It is further agreed that all work done and services performed hereunder shall be done and performed subject to the supervision and approval of the supervision and approval of the supervision end either a performance of this agreement as here in provided, the city undertakes and agrees to pay therefor to said contractor, in full compensation therefor, the sum of two hundred and fifty-four thousand one hundred dollars (\$254,100,00), said sum to be paid as follows, to wit: Fifteen thousand dollars thereof for the waterfurnished under this agreement, in three furnished under this agreement, in three dred dollars (\$254,100,00), said sum to be paid as follows, to-wit: Fifteen thousand dollars thereof for the water furnished under this agreement, in three equal payments, one therof upon delivery to said city of the agreement with the Fish Lake Water Coupany here inbefore referred to, and the bond there in provided; another upon July 1, 1909, and the third of said payments thirty days after the work has been finished to the satisfaction of the sapervising engineer of said city; the remainder of said compensation, to-wit: two hundred and thirty-nine thousand one hundred dollars, to be paid as provided in said proposal and specifications.

In Witness whereof, the said cantractor has hereunto set his hand and seal, and the said city has caused these presents.

onsed on the engineer's estimate as follows:

90 per cent of the value of material furnished and work done to be paid on er about the first of each month for the material furnished and work done during the preceding month.

10 per cent or whatever may then remain to be paid thirty days after the work has been finished to the satisfaction of the engineer.

Owing to the upward trend in market prices for the materials involved in this construction, I must make this proposal subject to acceptance on or before November 15, 1908.

I must also stipulate that in case this proposal is accepted the city

le force November 15, 1908.

I must also stipulate that in case this proposal is accepted the city through its proper authorities shall propose duce satisfactory assurance that the accessary funds are available to pay for this construction.

As evidence of good faith, I herewith attach certified check to the amount of five thousand dollars, made payable to the recorder of the city of Medford, which is to be returned in case this proposal is accepted only until such time as a contract in due form, embodying the terms of this proposal can be executed.

Respectfully submitted.

I. L. HAMILTON.

Exhibit B.

Specifications—Medford Water Works.

Exhibit B.

Specifications—Medford Water Works.
General clauses:

1. The work herein contracted to be done must be commenced within 15 days after the date of this contract,

days after the date of this contract, and sufficiently completed on or before the first day of Angust, 1909, to enable the main pipeline below the "Bradshaw Drop" to supply the city of Medford uninterraptedly; and the entire contract must be completed on or before November first, 1909.

2. Time being an essential part of this contract, there will be charged by the city of Medford, to the contractor, after August 1st, 1909, the amount of \$50 for each and every day that the main pipeline, below Bradshaw Drop, does not supply water at the full rate possible according to size and pressure, and the amount of \$50 for each and every day that the work is not wholly completed after November 1, 1909, such charges being hereby agreed to becompleted after November 1, 1909, such charges being hereby agreed to between the parties to the contract as the liquidated damages for which the contractor shall be liable to the city of Medford, in the event of his failure to complete the work as specified. If the contractor shall have finished the work sufficiently to enable supplying water at the full rate as stated above, from the Bradshaw Drop to the city, prior to the 31st day of July, 1909, at 12 p. m., but not before the 10th day of July, 1909, he shall be paid \$50 for each and every day that the main pipeline supplies the city with water uninterruptedly between said dates.

3. Where in the opinion of the engin-

minterruptedly between said dates.

3. Where in the opinion of the engineer for the city, the employment of skilled laborers is necessary for the successful completion of the work to be done under this contract, then only such as lave had experience in and can show themselves to be skilled in their particular line of work, shall be employ-

rubbish as designated by the engineer, also remove all implements and plant from the site of the work and leave the finished portion in a neat and presentable condition.

13. Defective work or material may be condemned by the engineer at any time before the final completion of any portion of the work, or the release of ten (10) per cent reserve. When any work has been condemned, it shall be immediately forn down by the conany work has been condemned, it shall be immediately forn down by the contractor and done over again in accordance with the plans and specifications. When defective material has been condemned, it shall be immediately removed from the work to some place designated by the engineer, where it can be kept under his charge or otherwise disposed of to his satisfaction. In case the contractor shall neglect or refuse to replace any rejected work or material after being served with a written notice so to do by the engineer, such work or material shall be removed or replaced by the engineer at the contractor's expense. ractor's expense.
14. The contractor shall provide suit-

tractor's expense.

14. The contractor shall provide suitable passageways for traffic over all streets or roads, where such traffic is interrupted by the progress of the work, such passageways to be made to the satisfaction of the engineer.

15. At all times when the work is in progress, either the contractor himself, or a competent foreman, must be in direct charge of the work; a complete set of plans and specifications must also be kept upon the work, and any orders given to a foreman or superintendent will be considered as having been given to the contractor himself.

16. Oversight or failure on the part of the engineer or any of his authorized agents to immediately condemn or reject faulty or bad work or material shall not be implied or construed as an acceptance of the same, if such faulty work or material becomes evident before the final acceptance of the work and release of the contractor from his obligation.

17. No claim for extra work will be

and release of the contractor from his obligation.

17. No claim for extra work will be considered or allowed unless said work has been previously ordered by the entry doing the same agreed upon by the parties to the contract in advance. All claims for extra work so ordered must be presented on or before the 3d day of the month succeeding that in which the work was done. In ease any extra work so be presented on or before the 3d day of the month succeeding that in which the work was done. In ease any extra work has to be done, the city reserves the right to let the contract for doing the same to whomsoever it sees fit, unless an agreement upon the prices for doing such extra work can be speed, ily reached between the city and contractor.

18. It is hereby distinctly understood that the measurements and estimates of the engineer are to be taken as final and conclusive evidence of the amount of work performed by the contractor. The full measure of compensation to be received by the contractor. The estimate is to be hased upon the proposal for the labor performed and material furnished under the contractor. The estimate is to be hased upon the proposal for the labor performed and material furnished under the contractor. The estimate is to be hased upon the proposal for the labor performed and material furnished under the contractor. The estimate is to be hased upon the proposal for the labor performed and material furnished under the contractor. The estimate is to be hased upon the proposal for the labor performed and material furnished under the contractor. The estimate is to be hased upon the proposal for the labor performed and material furnished under the contractor. The estimate is to be hased upon the proposal for the labor performed and material furnished under the contractor. The estimate is to be hased upon the proposal for the labor performed and material furnished under the contractor. The estimate is to be hased upon the proposal for the labor performed and material furnished under the contractor. The obligation. 17. No claim for extra work will be

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Attest:

Research:

In presence of:

Research:

Resea

inches and shall conform with the spectrum of the contract of

the brush and small trees now covering the ground along the right of way. This clearing will be made for a width of 20 feet, or wider if the engineer shall be cut close to the surface of the ground and removed as the work proceeds. No burning will be required. No grubbing will be necessary except for space occupied by the trench.

Timber.

eupied by the trench.

Timber.

All sawed or hewed timber used in any part of the work, except for pipeline, may be of common native fir, sound and free from decay.

Cast Iron.

All iron castings, unless otherwise specified, shall be made from a superior quality of iron having a tensile strength of not less than 18,000 paunds per square inch. All enstings shall conform to the shape dimensions required by the detailed drawings to be furnished by the engineer, and shall be clean and perfect, without defects of any kind. All castings are to be scatch with a paint of asphaltum or other approved mixture.

Coment.

The cement used shall be the best

proved mixture.

Cement.

The cement used shall be the best quality of Portland cement, dry and free from lamps and all foreign material, delivered in the original packages, in good condition, properly labeled annd well protected from rain and dampness. It shall be delivered on the work in such quantity in advance as shall afford the engineer opportunity for making tests of its quality before being used. The tests required by the city of Portland for acceptance will be acceptable on this contract.

Sand.

The sand used for making mortar, concrete or plaster, shall be coarse, sharp-grained sand, free from deleterious foreign matter.

Gravel and Broken Stone.

Either clean screened gravel, quartizite, basalt or granite when free from miss may be used for concrete work. Acceptable sizes for gravel or broken stone will be such as will pass a screen 214-inch mesh and be rejected by a screen of 14-inch. Earthy matter must be removed by washing.

Standard of Measurement.

In making mortar or concrete, a barrel of cement of not less than 400

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ess of the stave.

Air-Valves.

At such summits along the line as much be indicated by the engineer two much automatic air valves shall be placed by the contractor. The valve to be fixed must be equal in all respects to the Coffin Antomatic air valves manu factured by the Coffin Valve company of lioston, Mass.

Stand-Pipes

Where the wood stave pipe is located less than 30 feet below the hydraulic grade line there shall be placed 2-inch galvanized iron stand-pipes, with a 2-inch service cock located near the pipe. These stand-pipes shall be boxed in and have the box filled with sawdust. Testing and Acceptance.

The testing of the pipeline will consist of filling the same with water, from settling basin to reservoir, and from reservoir to distributing system, and closing any leaks showing after.

from reservoir to distributing system, and closing any leaks showing after three weeks under full pressure. The final acceptance of the pipe will be made only after the same shall have been in satisfactory operation for 30 days after the closing of all beaks.

Refilling Tranches.

As soon as the pipe is constructed and approved by the engineer the tranch shall be refilled by the best of excavated must refine the construction of the constructi

shall be refilled by the heat of excavated and material, the earth being beroughly tamped to the middle diameter of the uppe. Care shall be exercised in backfilling that no injury is caused to pipe by careless refilling with losse stone. All of the material exeavated from the trench shall be placed over the pipe in backfilling.

Measurements of Pipe.

All measurements of pipe shall be

All measurements of pipe shall be nels parallel to the axis of the pipe old in trench, connected and ready

Machine-Banded Pipe. Machine-Banded Pipe.

If machine-banded pipe is used the pecifications for staves used in communous stave pipe shall apply. The historesses for the several heads used includes for the several heads used all conform to the thickness sub-itled by the manufacturer and ap-roved by the engineer before proposals we opened, and will be approximately 4 inches thick for lowest heads and 3 8 inches for maximum heads, being tried to correspond to the besids for this is a superior of the besids for

The ends of all pipe shall be sawed off square and turned smoothly to correspond with the couplings. The ends hall be made of proper size to make right fit when the pipe is driven into he coupling, gate or fitting.

The pipe shall be made in sections of from 8 to 16 feet in length, and not-note than 10 per cent of sections shall be less than ten feet in length. The thickness of all shells for couplings shall be the same as the pipe with which it is to serve.

Wire.

The pipe shall be banded wire with retrained wire having a female.

arrive having a Icasile and a above.

An 18-inch sized, pipe, about 100 feet long wire shall correspond to Washburn & Music standard gauge, as follows:

No. 1-0.2830 inch diameter.

Banding.

In winding the bands must have sufficient ferness to impress the wire lightly into the starce, but wire broken the starce, but wire land will be set as a followed with the starce.

cient tension to impress the wire ghtly into the stares, but wire that a broken the fiber of the wood will securely fasten the end of the

same material as the pipe sections they at the intersection of Sevents are intended to connect. Couplings for and Reosevelt avenue will be 12-16sentic lines, both outside and inside, all the 6 inches in length, and for all the oliges shall be planed to true ratial planes.

Staves may be milled from 1½x4, 2x4 or 2x6 inch immber.

The thickness for 16-inch pipe shall be not less than 1½ inches for heads up to 150 feet, and shall be greater than 1½ inches, but not greater than 150 feet.

Erection.

The pipe when laid shall conform is alignment and grade to the stakes given by the engineer.

Blow-offs.

Blow-offs.

Blow-offs.

Blow-offs.

Blow-offs.

Blow-offs four inches its diameter, said such captures and paying inches the bottom of the pipe at such depressions as the engineer mild be outed with a mixture of asphalt fluxed with a mixture of asphalt fluxed with suitable onaterial, of proper consistency, applied bot, by dipping in bath. The transled a four inche gate valve, six feet of heavy Matheson pipe 4 inches in diameter, and a short cast iron valve ax.

Air-Valves.

Is other heads up to 100 feet including fittings, gates, and bydractic shall be compliant, and for inches in length, All the couplings shall be banded with in dividual bands of round mild steel, 3-8 inch in diameter, each band having a shole of malicable cast iron or drop forge steel, which shall securely hold the threaded end of band and head of band in such manner that the band may be checked to its proper position. The cine the band may be checked to its proper position. The cuter surface of the pipe, as well as the banding, shall be contend with a mixture of asphalt fluxed with suitable outcrist, of proper consistency, applied bot, by dipping in bath. The transled a four inch gate valve, six feet of heavy Matheson pipe 4 inches in diameter, and a short cast iron valve as a fire threaded end of band in specified.

Coating.

The outer surface of the pipe, as well as the banding, show the conting. The centing must adhere the work with a mixture of asphalt fluxed with the first of each month of work because the banding show in the contract of the contract of the contract of the contract

	16 inch	t 50 foot	48 equals 3	1114
	16	100	34	
	16	150	23	
	16	200	17	
i	100	200	17	
i	001	*354 * 3 # 000	13	
	10.7		11	
ı	1.0	300	3.1	
H	16	3,cc+, (\$50)	10	3 7
ı	16	490	8 equals 1/2	ine
ı	vn		Couplings,	
y	Gang	Yel-	Band.	N
1		41 	% inch	
١	No. 1	AND ASSESSED.		
ı	No. L		Barinel	
J	2402 311		Mr. Inch	
J	No. 1.		262 110 16	
1	No. L.		778 SAMON	
ı	CNOS II		C 4 - C 7 M - 4 4 1 K 4 4	
١	No. 1.		Winch	

Head Works.

y eleaned and sprinsted with a leavy eating of next cement.

The diverting weir will be a concrete tructure, and with an intake and screen ag chamber as will be shown by plans. The quality of concrete work to be here shall be equal to that specified for he reservoir lining.

Reinfurcement to be used as required.

The ambalt conting to be applied will

The asphalt coating to be applied will strespond with that specified for the

eservoir.

Racks and gratings: A grating made rom bars 5.16 inches by 2 inches from a steel, 3 feet long, of 18 pieces, is a be placed in front of the intake pipe, a the interior of the settling basin or accepting tank will be placed two sets of galvanized wire screen, one set to set of No. 18 wire having 8 meshes to

The city will construct and equip a talephone line along the right of way, connecting the load works and city, within 60 days after the signing of the centract, for its own use, but the consentrace, for its own uses, but the con-ractor will be allowed the ease of same luring the constinction of the work

ire. Wood Couplings. Cast Iron Distribution Extensions.

Wood couplings shall be made of the lack machine bankel stree pipe coding

16 inch pipe for heads up to 100 feet chas D cast iron, for about 2200 feet shall be 6 inches in length, and for including fittings, gates, and bydracts

tion of the contract.

Thickness of Shell, Machine Barded
Pipe.

Referring to page 7: "Machine banded pipe," the thicknesses for the heads
contemplated will be as follows: "
16-inch, 50-100-100 feet heads, 144.
16-inch, 200-250 feet heads, 15-18.
16-inch, 200-350 feet heads, 13-3.
Section 2. The agreement for furnishing water to said city by the Fise
Lake Water Company, this day present
ed to the council, is hereby approved as
to form, contents and substance; whit
the mayor and recorder are hereby as
thorized and instructed to endors the
acceptance of the city thereos.

Section 3. The mayor and recorder
are hereby further instructed to accept
the bonds of the United States fuffilly
and Guaranty Company when furnished
by the said I. L. Hamilton and the Fise
Lake Water Company, in the amounts
and upon the conditions respectively a
the foregoing agreement provided.

Section 4.—All ordinances and page
of ordinances in conflict herewith are
hereby repealed in so far as they cash

Section 4.—All ordinances and parts of ordinances in conflict between the hereby repealed in so far as they carried the hereby repealed in so far as they carried the hereby repealed in so far as they carried the hereby repealed by the city council Novamber 11th, 1908, Trowbridge voting aye, Macriek aye, Elfert aye, Olwell aye, Hafer as sent, Wortman absent. Approved November 11th, 1908. J. F. REDDY, Mayer.

BENJ. M. COLLINS, Recorder. SPRAY YOUR ORCHARDS NOW

For Sana Jose Scale, and Use Sampse Concentrated Lime and Sec-phur Solution. round. Don't forget this. As the of scale dies the new is ready to carry

The scale is less vigorous in the fall than in any other season of the year.

Therefore now is the Best time to at tack and kill it. If you spray and many a valuable tree will be saved that otherwise, because of the scale, would not retain life enough to start up b

the spring. less wind to scatter and waste the spray, and make it hard to cover arealy part. Then, too, you cannot tell wast may happen to prevent therough projing in the fall.

But, above all, the result of fall

spraying are absolutely certain.

Sulphur Solution.

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We claim no wonderful chemical discovery in this spray, but we do claim

ost emphatically that: Sampson's lime and sulphur solution always produces satisfactory results, and does no injury. There is no better spray manufactured than Sampson's

ime and sulphur solution. Sampson's lime and sulphur solution is a clear, cherry-colored solution from from sediment. It is guaranteed test 30 degrees Baume. If your deal ers cannot supply you, write to us.

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