City's Copy

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CITY OF NEWBERG
CITY RECORDER INDEX NO. 1096

5/17/48

NEWBERG, OREGON

CONTRACT FOR CONSTRUCTION

THIS AGREEMENT made and entered into this 17th day of May, 1948, by and between the City of Newberg, Oregon, a municipality incorporated and existing under the laws of the State of Oregon, by its Mayor and City Council, parties of the First Part, hereinafter called the City, and Hakon I. Bottner of 11544 N. E. Glisan, Portland, Oregon, Party of the Second Part, hereinafter called the Contractor.

WITNESSETH:

That the Contractor in consideration of the covenants, agreements and payments to be performed by the City, hereby covenants and agrees to furnish all labor, tools, materials, equipment and supplies required for, and to execute, construct and finish in full compliance with the Specifications, the construction of a water supply well for the City. Said contractor further agrees that he has fully examined said specifications and is familiar with same. It is understood and agreed that a copy of said specifications is on file in the office of the City Recorder of said City and that said specifications are by reference hereby made a part of this contract.

In consideration of full and complete performance by said contractor, as aforesaid, said City agrees to pay to said contractor in accordance with the following schedule to-wit:

Drilling 12" well, the sum of Eight and no/100ths Dollars ($8.00) per ft. of depth.

Furnishing 12" I.D. Well Casing, the sum of Three and 50/100ths Dollars ($3.50) per lin. ft.

Installing 12" Well Casing, the sum of No Charge

Perforating Casing and Developing Well, the lump sum of No Charge

Disinfection and Test Pumping, the lump sum of Two hundred fifty and no/100ths Dollars ($250.00)

IN WITNESS WHEREOF the parties hereto have caused these presents to be duly executed.

Attest:

J. J. Mueller

J. J. Mueller, City Recorder

CITY OF NEWBERG, OREGON
Party of the First Part

By Frank C. Colcord

Frank C. Colcord, Mayor

Approved as to Form:

Herbert Swift

Herbert Swift, City Attorney

Hakon I. Bottner

Hakon I. Bottner - Party of the Second Part

May 27, 1948

John W. Cunningham and Associates
1112 Spalding Building
Portland 4, Oregon

Attention: Mr. Carl E. Green

Dear friend Carl:

Please find enclosed contract and three copies for the Well Drilling job.

After Bottner has signed, please return the original and one copy, one copy is for Bottner, and you may have one for your files if you so desire.

Yours very truly

J. J. Mueller, City Recorder

JJM:MJW
Encl.

NEWBERG, OREGON

CONTRACT FOR CONSTRUCTION

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Attest:

J. J. Mueller
J. J. Mueller, City Recorder

CITY OF NEWBERG, OREGON
Party of the First Part

By Frank C. Colcord
Frank C. Colcord, Mayor

Approved as to Form:

Norbert Swift
Norbert Swift, City Attorney

Hakon I. Bottner
Hakon I. Bottner - Party of the Second Part

CITY OF NEWBERG
CITY RECORDER INDEX NO. 1096 5/48

5-W1
5-17-48

CITY OF NEWBERG, OREGON

SPECIFICATIONS & PROPOSAL

FOR

DRILLING WATER SUPPLY WELL

Valen I Bottner
Well drilling contractor

John W. Cunningham & Associates
Consulting Engineers
Portland, Oregon

499 - C.E.G.
May, 1948.

NOTICE TO WELL DRILLING CONTRACTORS

Sealed proposals for drilling a 12" water supply well for the City of Newberg, Oregon will be received until 7:30 PM, May 17, 1948. Proposals shall be addressed to the City of Newberg and mailed or delivered to the City Recorder.

The work consists of drilling, casing, developing and test pumping a well approximately 90' to 100' deep.

All proposals shall be on regular forms furnished by the City or its Engineers, John W. Cunningham and Associates, 1112 Spalding Building, Portland, 4, Oregon.

A certified check in the amount of five percent (5%) of the total bid shall accompany the Proposal. Should the successful bidder fail to enter into a contract within ten days after notice of award, the City will retain the check.

The City reserves the right to reject any or all bids and to accept the Proposal deemed in the best interest of the City.

By order of the Mayor and City Council of Newberg, Oregon.

CITY OF NEWBERG, OREGON

SPECIFICATIONS

for

DRILLING A WATER SUPPLY WELL

1. General

The work to be done under this contract includes the drilling, casing, development, and testing of a water supply well to be located near Newberg, Oregon. The well site is suitable for setting up a standard drilling rig and disposing of material bailed from the well. The well shall be cased for the full depth and the casing perforated at the water-bearing formations in accordance with the instructions of the engineer. A 6" test well has been drilled on the site and the water-bearing material is river gravel and sand.

A log of the test well drilled in the area in which the proposed well is to be located is available for inspection by the bidders. Bidders shall not consider the available log as a true indication of the underground material at the well site, but as indicative of the type of material apt to be encountered. He shall satisfy himself of the conditions obtaining locally and bid accordingly.

2. Depth and Capacity

The desired capacity is in the order of 500 gallons per minute. The water shall be clear and shall carry neither silt or sand at normal pumping rates. While no depth limitation is implied, it is believed that a satisfactory supply will be obtained within a depth of 100 feet. The exact finished depth shall be determined by the engineer, based upon conditions and formations encountered during the drilling of the well.

3. Drilling Equipment

The Contractor shall provide and shall use on the work a standard make drilling machine of ample capacity for the work on hand and a complete set of tools for drilling, bailing, and handling casing. The drill rig and tools shall be in good condition. Badly worn tools shall not be permitted on the job. All cable and cordage shall be in good condition.

4. Method of Construction

The Contractor shall first drill the well to the full depth, determining by samples and tests the character of the formations and the flow of water encountered. The casing shall then be perforated at a point or points opposite the desired formations. The number, length, and character of the perforations shall be determined by the Engineer, depending upon the character of material encountered.

The Contractor shall develop the well by surging or agitating the water by means of a plunger and other suitable tools, or by compressed air, at the same time periodically bailing out sand which is drawn into the well. The development operation shall be continued until the gravel around the perforations is clean and there is substantially no sand or silt drawn into the well.

It is considered particularly important that surface water be excluded from the well, and all reasonable precautions shall be taken to prevent flow along the outside of the cased well.

5. Casing

The well shall be cased for the full depth with standard weight, screw joint, black steel pipe, National Tube Company or equal, subject to the approval of the Engineer. The casing shall be provided with a forged steel drive shoe. The hole and casing shall be truly vertical and straight, to

permit the placing and operation of a turbine type pump. The maximum limit of deviation from the vertical shall be 5 inches per 100 feet of depth.

6. Log of Well

The Contractor shall keep a complete and detailed record of the hours worked, operations performed, progress made, flows of water, and materials encountered in the well. He shall preserve samples of the bailings from each foot of depth, which from time to time shall be turned over to the Engineer. All data shall be open to the inspection of the Engineer, and at the completion of the work a complete and correct log of the well shall be furnished to the Engineer by the Contractor.

7. Testing Well

Upon the completion of the well, the Contractor shall make a test of its capacity. The test shall be planned to indicate the reasonable capacity of the well with a moderate drawdown and the test shall be conducted for a period of at least eight hours. The test pump shall have a capacity of not less than 1,000 gallons per minute. The Contractor shall endeavor to forsee the conditions, and shall have on the ground the necessary pump, power, pipe, fittings, valves, weir, orifice or meter and all accessories necessary for such test. The test shall be carried out under the general instructions of the Engineer who shall be the sole judge of the sufficiency and completion of the test. The work shall be done by the drilling crew, and the Contractor shall furnish his supervision. A full record and log of all operations connected with the test shall be keptand a copy shall be furnished to the Engineer as heretofore provided in the case of the drilling log. This data shall include static water level and drawdown at various pumping rates.

8. Well Disinfection

Before the Contractor shall install the test pump in the well, he

shall add to the well a quantity of either sodium or calcium hypochlorite which is equivalent to one pound of free chlorine. After the pump has been installed, the pump shall be started and operated until the chlorinated water comes to the top of the pump column. The pump shall then be shut down immediately and the water allowed to run back into the well. This operation shall be done several times and the pump and well allowed to stand idle for a minimum period of four (4) hours. The test pump may then be started.

9. Water Samples

During the course of the test pumping operation, samples for laboratory analysis will be collected by the Engineer or his representative.

10. Maintenance and Cleanup

The Contractor shall confine his operations to an area reasonably required for the drilling operation. No camp shall be maintained, and the only building shall be one necessary to house small tools, samples, and records. Water discharged during the test shall be ditched and conducted away from the well. The well casing shall be capped at an elevation above the ground required by the engineer. Holes shall be filled, rubbish removed, unused gravel scattered, and the ground levelled up to leave the premises in neat and presentable condition. The space around the upper end of the casing shall be thoroughly puddled with impervious material or shall be filled with cement grout.

11. Starting and Prosecution of Work

The Contractor shall move onto the site with his full equipment as soon as possible after the contract has been signed and approved. He shall provide casing on the premises in addition to the string in the well. The work shall be prosecuted vigorously in order that the well may be completed in the shortest possible time.

12. Units for Payment

The drilling, developing, and testing of the well shall be done on a unit price basis, and all materials, equipment and labor for the complete well shall be furnished under the following units:

A. For drilling a well of sufficient size to receive a 12 inch diameter casing; a lineal foot basis from the ground surface to the bottom of the well.

B. For furnishing and placing 12 inch diameter, standard, screw joint, black steel pipe for casing; a lineal foot basis for furnishing casing; a lineal foot basis for casing left in place.

C. For perforating the casing and developing the well to the full reasonable capacity of the waterbearing formation; lump sum price for 12 inch well.

D. For furnishing a test pump, the necessary power for operating the pump, and all material and accessories necessary for making the test, and also for furnishing the services of a drilling crew of two men for placing and removal of the pump and making the test; a lump sum as bid.

PROPOSAL (Estimated depth 90' to 100')

1. Drilling 12" well, the sum of 7 on 100 ft
Eight Hundred ——— Dollars ($ 8.00) per ft. of depth.

2. Furnishing 12" I.D. Well Casing, the sum of 7 on 100 ft
Three hundred fifty Dollars ($ 3.50) per lin. ft.

3. Installing 12" Well Casing, the sum of no charge.
Dollars ($) per ft. of depth.

4. Perforating Casing and Developing Well, the lump sum of no charge.
Dollars ($)

5. Disinfection and Test Pumping, the lump sum of Two hundred
fifty Dollars ($ 250.00)

COMPLETE AS PER SPECIFICATIONS $1400.00

Accompanying this Proposal is a certified or cashier's check on

_____ of _____
(Bank) (City)

in the sum of CASH SEVENTY AND NO/100

_____ DOLLARS ($ 70.00).

If this Proposal shall be accepted by the City, and the undersigned shall fail to execute a satisfactory contract within ten (10) days (Sundays excepted) from the date of notification, then the City may at its option determine that the undersigned has abandoned the contract and thereupon this Proposal shall be null and void, and the cash or certified check accompanying this Proposal shall be forfeited to and become the property of the City, otherwise the check accompanying this Proposal shall be returned to the undersigned.

The full name and residence of all persons and parties interested in the foregoing bid as principals are as follows:

NAME	RESIDENCE
HAKON I BOTTNER	11544 N.E GLISAN PORTLAND 16 ORE.

The principal items of construction equipment which are available for and are intended to be used on the proposed work are:

NEW STAR 71- DRILLING MACH.

The undersigned bidder has heretofore completed the following work of a similar nature to that contemplated:

JOB	LOCATION	DATE
STATE HIGH WAY - WAPINISHA - CUT OFF	ORE.	
JEWEL ICE CREAM - ST. HELENS	ORE.	
PETER PAN ICE CREAM.	PORTLAND	ORE.
CLAKAMAS COUNTY.	ORE CITY	ORE.

Name of Bidder Hobart J Bateman

Address of Bidder 11544 NE Glisan

Signature of authorized agent _____

Title _____

Dated at _____

_____ 194___.

Hugh G. Purcell Co.

5/48

CITY OF NEWBERG, OREGON

WATER WORKS MATERIALS

NOTICE TO BIDDERS

INSTRUCTIONS TO BIDDERS

MATERIAL & EQUIPMENT SPECIFICATIONS

PROPOSAL

499 - C.E.G.
May 1948

John W. Cunningham & Associates
Consulting Engineers
Portland, Oregon

NOTICE TO BIDDERS

CITY OF NEWBERG, OREGON

WATER WORKS MATERIALS

Bids are invited for furnishing F.O.B. job site, Newberg, Oregon water works materials as follows:

Item	Approximate Quantity
12" Cast Iron Pipe, Class 150 12" Steel Pipe 12" Cement Asbestos Pipe, Class 150	
Total length of 12" pipe	11,000 lin. ft.
Cast Iron Fittings	12,000 lbs.
Steel Fittings	1,000 lbs.
12" Dresser Couplings	175
12" Gate Valves	10
6" Gate Valves	16
4" Gate Valves	5
3" Gate Valves	2
Fire Hydrants	10
Valve Boxes	33

Sealed proposals addressed to the City of Newberg, Oregon, and marked "Proposal For Furnishing Water Works Materials," will be received until 7:30 P.M. June 14, 1948, and thereafter will be publicly opened and read. All proposals shall be made upon regular blank forms furnished with the specifications, both of which may be obtained free of charge from the Consulting Engineers, John W. Cunningham and Associates, 1112 Spalding Building, Portland 4, Oregon, or from the City Recorder, Newberg, Oregon.

The City reserves the right to reject any or all bids, to waive informalities, split the awards for different materials and to accept the proposal or proposals deemed best in the interest of the City, considering quality of materials, bid prices and time of delivery.

By order of the Mayor and City Council

of Newberg, Oregon.

INSTRUCTIONS TO BIDDERS

AND

ESTIMATE OF QUANTITIES

1. General

Bids will be considered for furnishing pipe, fittings, couplings, gate valves and valve boxes for use in connection with a proposed source of supply south of the City.

Bidders shall clearly indicate the type and quality of material bid and by whom it is to be manufactured. In determining the type of material to be purchased, consideration will be given to carrying capacity, probable life, suitability for the service intended, experience with the material or product as well as bid prices and delivery dates.

2. Price Quotations

If escalator clauses are included with the bid proposals, the bidders shall specify the maximum prices which will obtain at the time of delivery, and bids will be compared on that basis.

3. Estimate of Quantities

The quantities herein given are approximate only and may increase or decrease in the discretion of the City. The total amount of 12" pipe may also be split between different materials as may be determined by the Engineers or the City. Should steel pipe be purchased, the number of couplings will be determined by the laying lengths of the pipe to be furnished.

Estimate of Quantities

12" Pipe	11,000 lin. ft.
Cast Iron Fittings	12,000 lbs.
Steel Fittings	1,000 lbs.
12" Dresser Couplings	175
12" Gate Valves	10
6" Gate Valves	16
4" Gate Valves	5
3" Gate Valves	2
Fire Hydrants	10
Cast Iron Valve Boxes	33

4. Delivery

The prices bid herein shall include delivery to job site along the route of the proposed improvement, all of which follows established roads and streets within and adjacent to the City limits of Newberg.

Material and Equipment Specifications

1. Cast Iron Pipe

Bids may be submitted for furnishing the following Class 150 cast iron pipe:

a. Bell and spigot cast iron pipe conforming with Federal Specifications for Cast Iron Water Pipe, as described in Section 4, Part 5, of the Federal Standard Stock Catalog designated WW-P-421, dated July 21, 1931, and all revisions thereof, including Amendment No. 1 dated November, 1934 and Amendment No. 2, dated January, 1937.

b. Bolted joint type cast iron pipe conforming with manufacturer's specifications.

2. Steel Pipe

a. General: Bids are invited upon both "Mill Pipe" and "Fabricated Pipe" for use with mechanical joint, plain end couplings. The pipe shall be made of all new material and shall comply with the Standard Specifications for Steel Water Pipe of the American Water Works Association, designation 7A.4-1943.

b. Size, Thickness and Weight: Bidders shall indicate the nominal inside diameter and outside diameter of the pipe bid. Consideration will be given to both 3/16" and U.S. #7 gage steel pipe in both I.D. and O.D. sizes, but comparison of the different sizes of pipe and different wall thicknesses of metal is not implied on bid prices alone.

All 12" steel pipe shall have a minimum metal thickness of 0.179 inches. Bidders shall indicate the weight of pipe per foot of length as well as wall thickness and laying lengths in the proposal.

c. Chemical Properties of Steel: Steel used for Mill Pipe shall be of good welding quality and may be made by the acid bessemer process or the open hearth process and shall conform to the following requirements:

Element or Property	Bessemer	Open Hearth	
		Lap or Butt Welded Pipe	Seamless or Electric Welded
Manganese, not under	0.30%	0.30%	0.30%
Phosohorus, not Over	0.11%	0.045%	0.045%
Sulphur, not over	0.065%	0.06%	0.06%
Tensile strength,p.s.i.	50,000	45,000	48,000
Yield point, p.s.i.	30,000	25,000	30,000
Elongation in 8"	18%	22%	—
Elongation in 2"	—	—	30%

Steel plates used in Fabricated Pipe shall conform to the physical properties for Grade B plates as specified in standard A.S.T.M. specifications designated A 78.

Steel sheets or coils used in Fabricated Pipe shall conform to the physical properties of Grade A material as specified in Standard A.S.T.M. specifications designated A 245.

d. Pipe Coating: Bidders shall specify in detail the pipe coating to be used. Coating material may be either a coal tar or asphaltic compound having the properties of adhesion to metal, toughness without tendency to crack or become brittle in cold weather, permanence and resistance to soil & water corrosion. The material used shall comply with the A.W.W.A. Standard Specifications 7A.6 or other compounds such as Biturene #7005, Hermastic, Mineral Rubber #225, Petrolastic X, Unolax 1-c or other compounds approved by the Engineer.

All pipe shall be thoroughly cleaned inside and outside of loose mill scale, paint, grease, oil or other foreign substance before the coating material is applied. Coating material shall be applied in accordance with methods specified in A.W.W.A. Standard Specifications 7A.6 or as approved by the Engineer. The proposals shall clearly indicate the type of material to be used and the method of application.

e. Pipe Wrapping: All Steel Pipe shall be wrapped with 23½ lb. asbestos felt, 40 lb. rag felt, or other material approved by the Engineer, and the same shall be saturated with either coal-tar or an approved asphaltic compound.

3. Pipe Testing

After installation all pipe will be tested to a pressure of not less than 250 pounds per square inch for a period of not less than two hours. The pipe shall withstand such test pressures without leakage. Suppliers of mechanical, bolted joint cast iron pipe shall guarantee the water tightness of joints.

4. Cast Iron Fittings and Specials

Cast Iron pipe fittings and specials for cast iron pipe shall conform to the Standard Specifications and Standard Dimensions of the American Water Works Association for Class 150 fittings. Payment shall be made on actual scale weights, but in no case shall weights be allowed more than five percent (5%) in excess of weights given in standard tables. All fittings and specials shall be weighed at the foundry and the weight painted on each fitting or special so as to permit easy checking.

5. Steel Pipe Fittings and Specials

Fittings and specials for steel pipe shall be made with plain ends for use with Dresser or similar mechanical couplings. Fittings and specials

shall be thoroughly cleaned, coated and wrapped in accordance with the requirements for steel pipe hereinbefore specified.

6. Dresser Couplings

Couplings for steel pipe shall be Dresser Style #38 or equal, and they shall fit accurately the type and size of steel pipe bid.

7. Cement Asbestos Pipe

Cement asbestos pipe shall be Class 150 pipe complying with Federal Specifications SS-P-351. Couplings may be either of the cement asbestos collar and rubber gasket type or the metal collar type.

Each pipe and each coupling shall have sufficient strength under internal pressure to withstand two and one-half ($2\frac{1}{2}$) times the applicable working pressure.

8. Fire Hydrants

Fire hydrants shall be of the "Corey" type complying with the Standard Specifications for Fire Hydrants of the American Water Works Association adopted January 17, 1940. They shall be provided with two standard $2\frac{1}{2}$" hose connections and one steamer connection. The main connection shall be a hub for six inch (6") cast iron pipe. The size of valve opening shall be five inches (5") in diameter. The barrel length shall be provided for a depth of cover over connecting pipe of thirty inches (30").

9. Valve Boxes

Valve boxes shall be of the cast iron, two piece type of sufficient length for use with pipes having a cover of thirty inches (30") with a minimum overlap of three inches (3") in the two pieces. The lower section shall have a minimum inside diameter of barrel of $5\frac{1}{4}$" and an expanded bottom with flange to fit over the top of valve. The top section shall have an adequate intermediate flange to hold the valve box in place, and the lids shall seat closely and have lugs to prevent displacement. Boxes shall have a minimum wall thickness of 5/16" and shall be smooth castings which are workmanlike in all details.

10. Gate Valves

Valves three (3) inches and larger shall be iron body, brass mounted, conforming to the latest standard specifications adopted by the American Water Works Association. Valves two and one-half ($2\frac{1}{2}$) inches and smaller unless otherwise specified shall be brass bodied double disc gate valves with rising stem and shall have screwed ends with standard pipe threads. Valves shall open by turning to the left and shall have an arrow showing the direction of opening cast on the top of gland or operating nut. All iron bodied valves shall be painted before shipment with a shop coat of coal tar pitch varnish. Valves shall be guaranteed to operate under a service pressure of 175 pounds per square inch. They shall be tested before leaving the factory to at least 300 pounds per square inch.

PROPOSAL

Mayor and City Council
Newberg, Oregon

Gentlemen:

The undersigned bidder declares that he has examined the specifications included herewith and proposes to furnish and deliver to the City water works materials in accordance with the Unit Prices hereinafter written. The bidder further understands that the prices herein written are firm prices holding at time of delivery unless otherwise stated. If an escalator clause is included with any prices on the materials bid, such clause shall include a maximum which shall in no case be exceeded.

The Bidder submits the following unit prices with the clear understanding that they shall apply whether or not the total amount of pipe is split into orders for two or three types of material.

1. Furnishing 12" Cast Iron Bell and Spigot Pipe, Class 150, Federal Specification WW-P-421, the sum of Four + 36/100 Dollars ($4.36) per lin.ft.

1a. Furnishing 12" Cast Iron Bolted Joint Pipe, Class 150, manufactured by United States Pipe & Foundry Co., the sum of Four + 61/100 Dollars ($4.61) per lin.ft.

1b. Furnishing 12" I.D. Steel Pipe having a wall thickness of _____ inches, weighing _____ lbs. per ft. having laying lengths of _____ ft., having coating of _____ and a wrap of _____ and manufactured by _____, the sum of No Bid Dollars ($—) per lin. ft.

1c. Furnishing 12" O.D. Steel Pipe having a wall thickness of _____ inches, weighing _____ lbs. per ft. having laying lengths of _____ ft., having coating of _____ and a wrap of _____ and manufactured by _____, the sum of No Bid Dollars ($—) per lin. ft.

1d. Furnishing 12" I.D. Cement Asbestos Pipe and Collars or Couplings complying with Federal Specifications SS-P-351, Class 150, and manufactured by the _____, the sum of No Bid Dollars ($—) per lin. ft.

2. Furnishing Bell & Spigot Cast Iron Standard Fittings, Class 150, for use with Cast Iron pipe, the sum of Thirteen Cents ($0.13) per lb.

2a. Furnishing Bolted Joint Cast Iron Standard Fittings for Cast Iron Pipe, Class 150, the sum of Seventeen Cents ($0.17) per lb.

2b. Furnishing Cast Iron Fittings, Class 150, for use with cement asbestos pipe, the sum of No Bid Cents ($0.____) per lb.

2c. Furnishing Steel Fittings and Specials, Dipped and wrapped, the sum of No Bid Cents ($0.—) per lb.

3. Furnishing style 38 Dresser Couplings for 12" I.D. Steel pipe, the sum of No Bid Dollars ($—) each.

3a. Furnishing style 38 Dresser Couplings for 12" O.D. Steel pipe, the sum of No Bid Dollars ($—) each.

4. Furnishing 12" Hub End Gate Valves, Class 175, manufactured by _____ the sum of No Bid Dollars ($—) each.

5. Furnishing 6" Hub End Gate Valves, Class 175, manufactured by _____ the sum of No Bid Dollars ($—) each.

6. Furnishing 4" Hub End Gate Valves, Class 175, manufactured by _____ the sum of No Bid Dollars ($—) each.

7. Furnishing 3" Hub End Gate Valves, Class 175, manufactured by _____ the sum of No Bid Dollars ($—) each.

8. Furnishing "Corey Type" Fire Hydrants having 2-2½" hose connections and one steamer connection, 6" hub end main connection and 5" valve opening, manufactured by _____, the sum of No Bid Dollars ($—) each.

9. Furnishing Cast Iron Valve Boxes manufactured by _____ the sum of No Bid Dollars ($—) each.

The undersigned bidder agrees to make delivery of the bid items in accordance with the following schedule:

Item — Date of Delivery

Prices are firm and are f.o.b. trucks jobsite, Newberg, Oregon.

As now situated we can make complete delivery of this material in 19 to 21 months after receipt of order, subject to prior sale of manufacturing space and the possibility of delays from causes beyond our control.

Bidder UNITED STATES PIPE & FOUNDRY CO.

By Hugh T. Sweet Title SALES AGENT

Address #323 COLMAN BLDG. SEATTLE, 4, WASH. Date June 11, 1948