

Answering the Question: How Will the \$400,000 Be Spent?

Detailed Drawing of Proposed System Is Explained in Full in Order That Residents in Original City Limits May Know What City Will Deliver Providing Citizens Vote "YES" on Water Bonds, September 25

That the public-spirited citizens and officials who are strongly in favor of a publicly-owned and operated water system are determined to SHOW and EXPLAIN what the residents in the original city limits will obtain in such a water collection and distribution system becomes self-evident with this engineer's drawing depicting important details of the publicly owned water system which comes before the people Thursday, September 25.

On September 4, the Herald published a general drawing and description of the physical properties involved in the proposed new city-owned water system. These were the wells producing the water; the treatment plant for its proper purification and aeration; the huge covered and cleanable reservoir; and the 250,000 gallon elevated storage tank to provide adequate pressure and a reserve supply at all times.

Three-Fold Protection

Today the Herald continues its accurate, detailed and understandable description of the proposed plant. The building on the

right contains a tank which will hold 38,000 gallons into which the fresh water from the wells will be discharged. As the water consumption in Torrance is about 52,000 gallons per hour, this water stays in this tank about three-quarters of an hour, allowing any sand to settle to the bottom.

All wells discharge into this tank, but in case of some unforeseen emergency, there is a pipe-line running from the wells across the tightly-covered reservoir direct to the pumping plant or mains. This makes it possible to conduct water from either the wells or the tank DIRECT to the cistern on the left of the picture or DIRECT to the mains or DIRECT to the pumps and then into the mains. This is a THREE-FOLD guarantee that there will be ample water for use at any point covered by the system at all times.

Automatically Controlled Throughout

From the tank on the right, the water cascades into the reservoir through an efficient aerator. This is vital as oxygen is necessary to make water palatable, healthful, and safe. Deep well water contains almost no oxygen. Several days supply is stored in the COVERED AND CLEANABLE reservoir, allowing a reserve and

permitting of more settling if necessary. Covering a reservoir prevents growth of organic matter which requires light and prevents debris from falling or blowing into the huge basin.

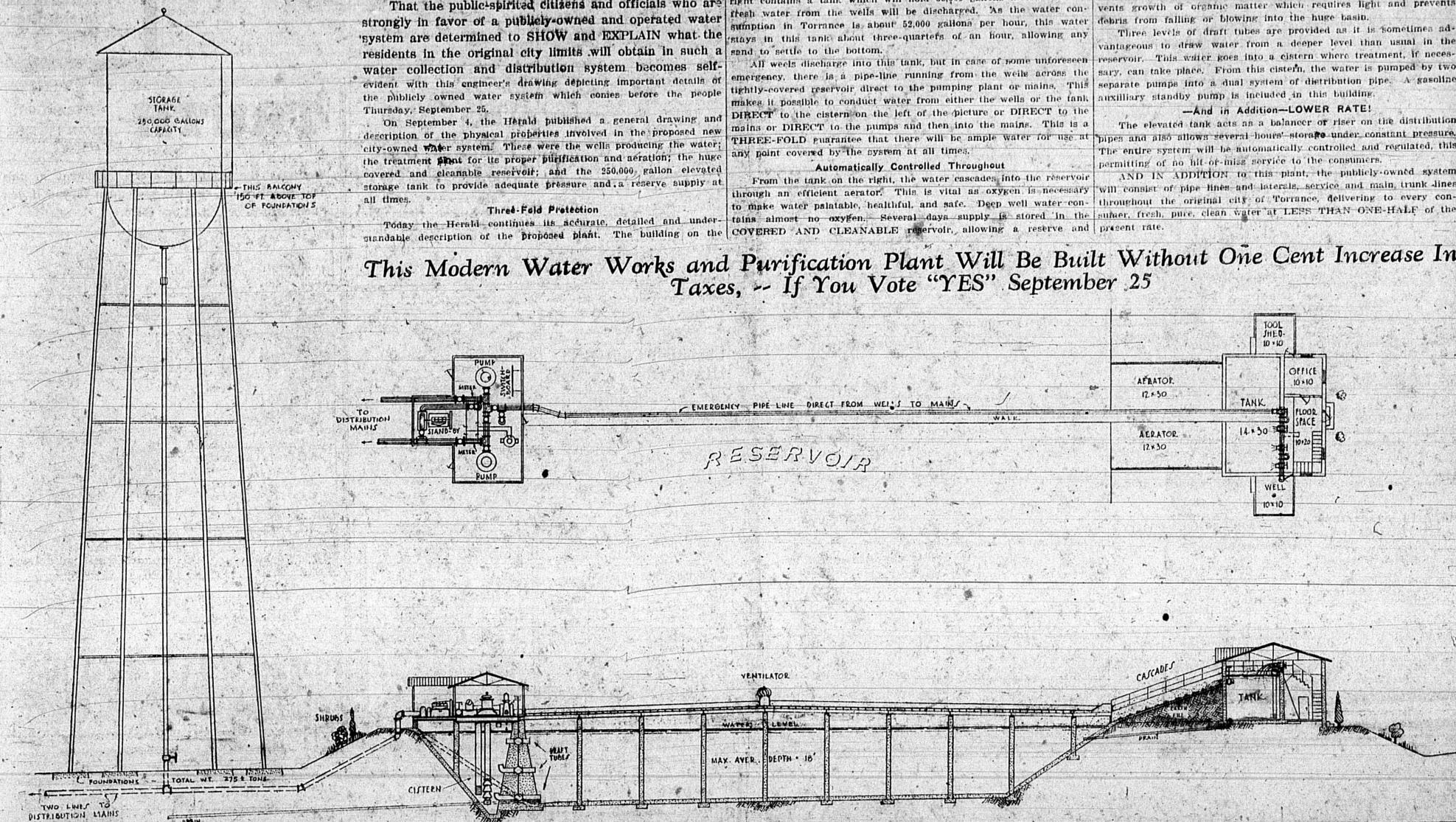
Three levels of draft tubes are provided as it is sometimes advantageous to draw water from a deeper level than usual in the reservoir. This water goes into a cistern where treatment, if necessary, can take place. From this cistern, the water is pumped by two separate pumps into a dual system of distribution pipe. A gasoline auxiliary standby pump is included in this building.

—And in Addition—LOWER RATE!

The elevated tank acts as a balancer or riser on the distribution pipes and also allows several hours' storage under constant pressure. The entire system will be automatically controlled and regulated, thus permitting of no hit-or-miss service to the consumers.

AND IN ADDITION to this plant, the publicly-owned system will consist of pipe lines and laterals, service and main trunk lines throughout the original city of Torrance, delivering to every consumer, fresh, pure, clean water at LESS THAN ONE-HALF of the present rate.

This Modern Water Works and Purification Plant Will Be Built Without One Cent Increase In Taxes, -- If You Vote "YES" September 25



DETAILS OF PROPOSED WATER SYSTEM SHOW VALUE TO CITY

Whole Public-Ownership Plan Provides Important Safeguards for Health; Units of System are Calamity Proof and Guarantee Uninterrupted Service

THE QUESTION: "Do we, the people residing in the original city limits of Torrance want (1) better, sweeter and purer water; (2) water that will come from our own system without interruption or service; (3) water which will not cost us one cent in assessments or increased taxes; and (4) water which will be less than one-half the cost of our present bills?"

THE ANSWER: Vote "YES" on the Water Bonds at the special election to be held Thursday, September 25, with the City Hall as the single polling place. Proof that a publicly-owned water system can produce and distribute water to consumers at a rate considerably LESS than a privately owned company is contained in a story on Page 1 of today's Herald. It is the purpose of this story to convey to the voters in the original city limits just what they will receive in a publicly-owned utility such as a water system for Torrance.

No Break in Service It is an engineering fact, absolutely undisputed, that the proposed city system will be calamity-proof. Ample water will be available at every hour of the day or night with no disturbance to cause annoyance to consumers.

At the present time, damage to the ONE LONE pipe-line used by the Torrance Water, Light and Power company to serve its customers here with odorous water at higher rates than any other city of a similar size in Southern California, would render the city without water while necessary repairs were made. It is self-evident that this is not satisfactory.

And yet such a perilous condition exists. Plans for the proposed publicly-owned system absolutely eliminate this situation. Service pipe lines will be connected to an infallible system of main trunk lines, direct from a 250,000 gallon elevated pressure tank near the site of the COVERED AND CLEANABLE reservoir.

Two Important Units This last unit in the proposed system is probably the second most vital point in the whole plan. The first is the plant for the automatic treatment, if necessary, of the water after it is withdrawn from the wells. This reservoir,

into the clean, covered reservoir.

Here the water will be allowed to settle for the second time in each of the three million gallon units of the double-constructed reservoir. There is nothing even approaching this system in operation by the Torrance Water, Light and Power Company. No such safeguards to public health are provided consumers at the present time. The water company's reservoir can only be cleaned by draining it completely—and that would leave the city in a weakened condition. The company's reservoir was not built for periodic cleaning.

Cuts Pumping Costs By the publicly-owned plan, the two-unit reservoir may be scrubbed as clean as the family table within a few hours after it is drained. The little refuse or silt which is found in the bottom of every reservoir after a period of use may be brushed and washed away through the spill-ways, leaving a storage basin ready to serve the people with healthful water.

From the reservoir, the water will be pumped to an elevated storage tank, capable of storing 250,000 gallons. This tank will serve a double purpose. It will regulate the pressure because of its height and pressure flow and will provide an emergency storage basin in case of any kind of a disaster. It will be calamity-proof because it will be built of steel mounted on a strong under-structure and imbedded in deep re-inforced concrete—no fear here that the tank will cause a disruption in supply as it may be entirely cut off from the rest of the system and the water directed into the mains right from the reservoir.

Besides this service, the elevated tank, by reason of its pressure controlling possibilities, will eliminate high pumping costs at peak periods of consumption. An even flow of water will enable the city to install pumps large enough to meet the demand and which will be evenly used. Heretofore, pumps were bought by water companies and cities having publicly-owned systems in sizes and capacities far beyond the actual needs of the system in order that they could be run at their capacity loads to meet the peak demand.

Vote "Yes" September 25 This causes a high consumption of power and the preliminary outlay of a great amount of money for the larger pumps. With the proposed Torrance system of pumping, storing and distribution, this high power cost and expensive initial outlay is eliminated. From the elevated storage tank the water will be directed into mains, from the mains to the service connections and thence to the people. A system unequalled in scope and service. The entire

storage plant will be attractively landscaped and will be a credit to the beauty of the city. A publicly-owned system giving clean, sweet, palatable water at a constant pressure, day or night, for less than one-half of the present rates—that's the water system you are asked to vote "YES" on at the election, September 25.

Walteria P. T. A. Starts Work For Year at Session

New Teachers Welcomed in Program; Plans For Term Are Laid

WALTERIA.—The first meeting of the Walteria P. T. A. was held at the school Thursday with Mrs. O. B. Hamilton presiding. The new principal, M. J. Helbach, was elected second vice president of the association. Mr. Helbach welcomed the members and officers and discussed plans for the school for the coming year.

Mrs. Hamilton presented Mrs. Moore, first and second grade teacher, who told of the playground schedule and asked the co-operation of parents in securing a supervised playground for Saturday.

Plan Reception Mrs. R. E. Lesley, councillor of the Lomita-San Pedro council gave a report of the tenth district meeting and extended an invitation to the members to attend the next session scheduled for Richard Henry Dana Junior High school, San Pedro, October 2.

Mrs. A. J. Flint, membership chairman outlined plans for the membership drive. The hostesses Mesdames A. Wilson, George McKinley and A. Flint served refreshments. They decided to give a reception for the teachers of the Walteria schools in the form of a Halloween party, October 31.

LOS ANGELES COUNCIL IN MOVE TO IMPROVE STREETS

The assessment district map for improvements along 25th street, between Belle Porte avenue and the west Los Angeles city boundary, was adopted by the Los Angeles city council this week, according to A. E. Hennings, councilman for the 15th District. The assessment for the opening widening, extending and laying out of Figueroa street from Manchester avenue to 190th street was filed in the office of the city clerk, he reported.

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Bids Are Opened For Avalon Blvd.

To Be Shortest Route From Harbor to Los Angeles

KEYSTONE.—Interest is keen here over the proposed completion of Avalon boulevard. Bids were opened this week for the remaining strip of road which will connect with the present completed boulevard which ends at a point south of Palm avenue, Gardena, and the strip through Keystone and Wilmington which ends a short distance north of Carson street. This contract calls for completion of this shortest boulevard from downtown Los Angeles to the Wilmington harbor by the first of the year.

The interested property owners have made this possible by depositing \$270,000 with the county in order to carry the project through within a short time. This project has been under consideration for nearly five years and will assure motorists of the shortest route from the heart of Los Angeles to the harbor. It will be 18 miles in length, three miles shorter than Main street.

The bid calls for two 30-foot strips with a 30-foot right-of-way in the center for the use of the Municipal Bureau of Power and Light to carry a transmission line to the harbor.

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