

ample funds for preventive treatment are provided.

This past spring I started out with the plan of spraying my greens every two weeks with disease and insect preventive treatment. I did not use the recommended dosages of either material but cut the amount to a third of each and applied insecticide and fungicide at the same time. Treatment was applied every two weeks.

This was my first year of this practice and the results have been completely satisfactory all through the year. The procedure may not do so well next year. Who knows? But on my patients, the greens at Amsterdam, it has been successful.

Some Water System Answers

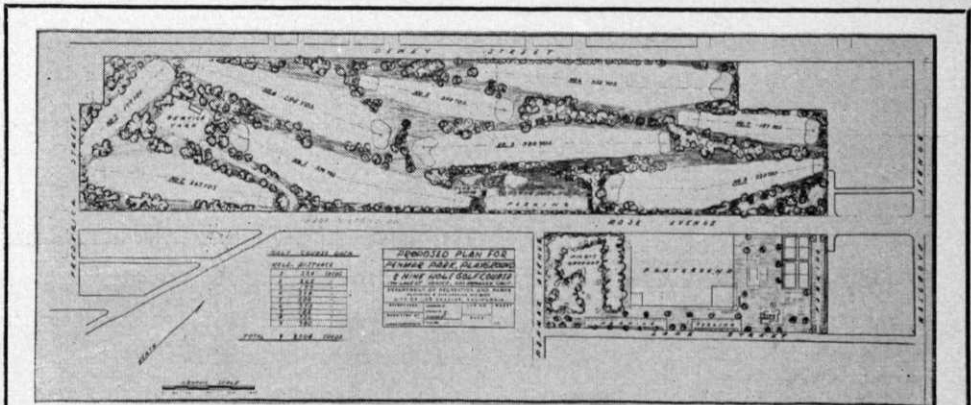
WATER QUANTITY and RATE OF FLOW — One acre inch of water contains 27,080 gals. If you have a pond that measures 208.7 ft. by 208.7 ft. this would be equal to one acre or 43,560 sq. ft. If this pond was 15 inches deep, you would have 15 acre inches of water or 27,080 gals. times 15, or 416,200 gals. in your reservoir. If this pond is stream fed and your rate of flow in

this stream is one cubic ft. per second, you would be supplying one acre inch per hour, or 450 gals. per minute to your pond. 27,080 gals. of water is the average amount used in your home over a 5-month period.

HEAD PRESSURE, POWER and ENERGY — If your water requirement of irrigation system is 300 gals. per minute and suction lift is 12 ft. and the pressure gauge at pump house is 80 lbs. per sq. inch, (p.s.i.) and the 18th green at clubhouse is 69 ft. elevation above pump house, your pressure at the 18th green outlet would be 50 lbs. p.s.i., i.e. if 2.31 ft. equals 1 lb. p.s.i., then 23 ft. equals 10 lbs. p.s.i., and 69 ft. equals 30 lbs. p.s.i. This means that your pressure loss in 69 ft. is 30 lbs. p.s.i., or 50 lbs. p.s.i. at the 18th outlet.

For practical measures, if electricity costs .03 cents per Kilowatt hr. and you operate this pump of 30 H.P. it would cost you .03 cents times 30 H.P., or 90 cents per hr.

—PROF. H. N. STAPLETON,
Head of the Dept. of Agricultural Engineering, University of Massachusetts, at Northeastern NY Golf Course Supts.' Assn. meeting.



NEW 9-HOLE SHORT GOLF COURSE FOR L.A.

Golfers of Western Los Angeles, who have been without public golf facilities since the war-time conversion of the old Santa Monica course into a defense plant site and the subdivision of the former California Country Club, will again have a golf course if recently announced plans of the City Recreation and Park Department bear fruit. The proposed Penmar Golf Course, a 9-hole, 2504 yard layout, will be an integral part of Penmar Playground, a new district park, which will include an athletic field, picnic and children's playground facilities and attractive landscaping. Work is already in progress at the playground facility which is being built on 26 acres of city-owned land combined with an adjacent 13 acres recently acquired for the purpose. Actual work on the Penmar golf course is waiting on the result of current negotiations for the purchase of an additional 18 acres of privately owned, unimproved land next to the playground which has been earmarked for the golf links. General Manager George Hjelle emphasized that the Recreation and Park Department is entirely satisfied that the expected patronage of the new course, particularly by golfers of Venice and Palms-Mar Vista areas will support the new links without aid from tax funds. Yardage of individual holes will be: No. 1—334; 2—265; 3—177; 4—294; 5—200; 6—352; 7—182; 8—320; 9—380.