



Bidwell photo

## SPEED-UP IN COURSE CONSTRUCTION THIS YEAR

More than 102 golf courses are under construction or have been finished this year; greatest golf building activity since the '20s. Extensive use of fast, labor-saving machinery and new methods are offsetting higher costs of materials, and producing better construction. View is on Indian Valley CC, Lansdale, Pa., where Wm. F. Gordon & Co. are doing the building. Alex Bryce, formerly of Atlantic City (N. J.) CC, is supt. of construction. Ed Riley, formerly of Springfield CC, Media, Pa., has been engaged as course supt.

In background as bulldozer grades topsoil of green, are Tony Mascaro, Alex Bryce and Dave Hulzhauser.

top soil consisting of:

60% coarse sharp approved (Muskogee) sand, coarser than concrete sand.

25% approved soil (Tulsa Cemetery soil).

15% fibrous peat (like Eli Colby brown hypnum peat).

*NOTE: The mixture will vary slightly if any other sand is used other than the one used in making the tests as it contains a small amount of fines. Further tests will be run for exact percentages of mixture after final approval of all materials to be used.*

Tile used for draining traps shall also be laid in trenches, using the same procedure as above but the tile should only be laid 6 to 8 in. below the sand and the top 2 in. of the backfill shall be approved friable soil.

### APRONS

An 8 ft. apron shall be provided as a buffer and to facilitate proper playing conditions between the putting green proper and the shoulders of the green. The apron is to be known as No. 1 buffer zone. This area does not necessarily need the gravel blanket but the gravel blanket may be feathered out over the area in construction. The gravel blanket shall contain a small amount of fines or if crushed rock is used it shall contain sand.

This area shall then be covered to an 8 in. depth with an imported prepared topsoil consisting of approximately 60% (Muskogee) sand, 25% (Tulsa Cemetery) soil and 15% (Eli Colby brown hypnum)

peat in accordance with future testing of approved materials.

Immediately outside of No. 1 buffer zone there shall be provided an area 6 ft. wide that shall be hereafter known as the No. 2 buffer zone. This zone shall be covered to at least a 6 in. depth with an approved topsoil, medium sandy loam in nature that would not contain any material that would be deleterious to plant growth, to blend into and be a part of the surrounding area.

The shoulders of the green adjacent to No. 2 buffer zone shall be of an approved topsoil made available on the site of the golf course and shall blend into the surrounding terrain.

The putting green proper, the No. 1 buffer zone and No. 2 buffer zone shall be fertilized as follows: Per 1000 sq. ft.

60 lbs. Milorganite

30 lbs. superphosphate 20% grade

8 lbs. muriate of potash 60% grade

4½ lbs. Nu-Green or 6 lbs. ammonium nitrate

Also to be incorporated per 1000 sq. ft.:

50 lbs. dolomite

10 lbs. arsenate of lead

Any changes in these recommendations will be in accordance with the analytical results of soil samples tested and any future analytical results of approved materials.

Three-fourths of these materials shall be mixed with the prepared topsoil at the time of its thorough mixing and before placing. One-fourth of the material shall