

starts. He should check and inspect all construction work and keep the club informed of its progress, the contractor's performance in following the specifications, and advise the club on accepting the work done by the contractor. He should look after the club's interests and keep officials informed of problems that may arise during construction.

Where topsoil overlays subsoil, the topsoil should be removed and stockpiled before grading operations are started. Following grading, topsoil shall be uniformly distributed over the graded area. All filled areas should be free of stumps, brush or any other material which will decompose and cause settlement of the fill. Rocks or stones must be at least 24-ins. below the finished surface. All fills shall be compacted as stated in the specifications. All finished surfaces must drain as shown on the drawings and no depressions or pockets which hold water should exist. If subsoil drainage is required it shall be installed during construction before the surface is finished.

All slopes should be graded as indicated on drawings and stated in the specifications, with all surfaces finished smooth. No humps or berms shall remain which can't be mowed with standard course powered mowing equipment without scalping the turf. All contours shall be finished in a like manner.

Tiling Specifications

Where tile drainage lines are specified they should be installed according to the drawings. Tile lines shall be adequate in size, ditches properly graded and tile aligned and covered as stated in the specs. Cleanouts should be provided at not more than 200 ft. intervals to permit rodding in both directions with a 100 ft. tape or rod. Outlet structures should be built at all tile outlets and protected with a suitable screen or gate to keep out rodents and small animals. Where tile lines carry surface water, catch basins shall be constructed at the elevations specified.

All berms at catch basins shall be graded so that they can be mowed with power mowing equipment without scalping the turf. All cleanout and catch basin covers shall have openings in them small enough to prevent a golf ball from entering the system. All surface contours should be designed to conform to the drainage system design. All stream and ditch banks shall be graded to permit use of power mowing equipment.

Where trees and/or shrubs are re-

44 Courses in Allegheny County

In reply to Golfdom's request for information pertaining to the number of courses in various counties throughout the country, James H. Potts, assoc. sec. of the Pennsylvania Golf Assn., Pittsburgh, says there are 44 courses located in Allegheny county. According to Elizabeth Lake, asst. sec. of the Cleveland Dist. GA, there are 30 clubs in Cuyahoga county. It is expected, however, that several semi-private courses in the county will soon be out of business because of sales of their land for subdivisions.

moved, all roots to a depth of eight inches should be removed. Cultivation is an important item of maintenance and roots can cause expensive repairs to cultivating equipment. All roads and service drives shall be graded and drained; if paved they should be constructed to stand up under anticipated loads. Electric car paths shall be constructed as indicated on the drawings and should be designed for anticipated loads and climatic conditions.

Elevated tees should have slopes that can be maintained with standard power mowers. Adequate surface drainage shall be built into each tee. Topsoil used in construction should be tested for fertility and if deficient, it should be modified while the tee is under construction.

Traps should be constructed so as to drain all surplus water quickly. If necessary, tile drains should be installed at the time of construction. Slopes should not be excessive and should be flat enough to retard washing of the sand during normal rains. External grass slopes of the traps should be graded so that they can be mowed with power equipment. Traps should be spaced to avoid a traffic pattern which leaves only one entrance or exit to and from the green.

Grading of Rough

All areas of the rough should be graded to give good surface drainage. No depressions which will hold water should be permitted to remain. Tree and shrub plantings should be laid out to a landscape plan which shall take into consideration the strategy of the game, and maintenance by power equipment.

(Continued on page 92)