surface. Its light weight, shatterproof qualities are great advantages on site. A 10 ft. length of 4 inch pipe weighs 25 lbs. and an 8 ft. length of 6 inch pipe weighs only 44 lbs.

Purpose of Drainage

Effective sub surface drainage is simply the control of unwanted water. Rain not disposed of by surface run-off, absorption by vegative cover, evaporation or transpiration, is unwanted water. Rain enters the ground and seeks a given water table. Topography, soil types and strata profiles are the basic factors which determine the hydraulic shape of the water table. Water tables are rarely consistent, seasonal fluctuations can affect the shape and height considerably.

Effective sub surface drainage ensures that the water table is stable, has increased soil bearing strength, minimal frost heave, optimum soil aeration and low soil erosion.

Soil water can be shown to consist of three main types.

Hydroscopic Water (undrainable). A thin film of water adhering to soil particles which does not affect soil water or vegative growth.

Capillary Water (undrainable). A film of water around each soil particle providing moisture for vegetable growth which does not affect soil bearing strength.

Gravitational Water (drainable). This follows the path of least hydraulic resistance, entering fissures, capillary interstices, seepage zones, underground rivers, etc., until it establishes a ground water table at impervious strata. This type of water fills soil voids below the water table, displaces oxygen, reduces soil bearing strength and discourages the activity of micro organisms. The main purpose of surface drainage is, therefore, to remove and control gravitational water.

Why use Pitch Fibre Pipe?

Pitch fibre perforated pipe has been used very successfully for the drainage of golf course greens, tees and fairways. Clay tiles have been extensively used in the past for this type of drainage, but green keepers are now recognising the advantages of pitch fibre pipe. Pitch fibre pipe, although initially more expensive, over a period of say 50 years shows considerable cost savings because clay tiles lose their effectiveness and quickly silt up. Tiles used under adverse conditions are practically useless after 5 years.

Key Terrain have been manufacturing perforated pitch fibre pipe and conventional drainage pipe for nearly 20 years at their Larkfield factory, having built up considerable expertise in their use. The Technical Service Department of Key Terrain Limited, Larkfield, Maidstone, Kent, are pleased to answer specific questions in the use of pitch fibre pipe.

SITUATION VACANT

ROYAL LYTHAM & ST. ANNES GOLF CLUB

Assistant Head Greenkeeper

required for Championship course, excellent opportunity for suitable applicant.

apply with full details to:-

The Secretary Royal Lytham & St. Annes Golf Club Links Gate, Lytham St. Annes, Lancs,

December 1972

Head Greenkeeper

required by

HARTLEPOOL GOLF CLUB LIMITED

House provided Salary to be negotiated

Apply giving details of experience, age and present employers to the

Secretary Hart Warren Hartlepool CHIPPING SODBURY GOLF CLUB

HEAD GREENKEEPER

Experienced and qualified applicant A new 18-hole Meadowland course Accommodation or housing will be arranged if required.
Salary negotiable

Apply stating age, experience to:

The Secretary

Chipping Sodbury Golf Club

Chipping Sodbury Bristol BS176PU

RURAL DISTRICT COUNCIL OF DONCASTER CROOKHILL PARK GOLF COURSE

Appointment of Head Greenkeeper

Within Misc. V - £1,311 - £,1428

Applications are invited from experienced persons for the above post at the Council's new 18 hole Golf Course at Crookhill Park near Doncaster, due to open during 1973.

Housing accommodation will be made available.

Further details may be obtained from the Engineer and Surveyor, Nether Hall, Doncaster to whom applications giving details of qualifications and experience, should be returned by Monday, 4 December, 1972

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Used Golf Balls Bought. Any quantity. Price 20p per dozen. Solid and perished balls no value. Sparkbrook Golf Ball Co. Ltd., 29 Highgate Road, Birmingham 12.

For Hire. Sisis Autoturfman Aerator, £25 per week – do it yourself. For contract prices telephone Burnell, Eaglescliff 780647.

Lawn Mower Spares. Gazelle, Autocretes, Minor and Lightweight. Surplus Ransome, Genuine spare parts. List less 80% Relf and Kendall. Telephone: 01–688 0578.