MATKOVICH

GOLF

COURSE MAINTENANCE

SOUTHBROOM

GOLF CLUB

PLANNING AND PROGRESS OF VARIOUS UPGRADES TO SOUTHBROOM GOLF COURSE

OVERVIEW OF UPGRADES

Greens	Irrigation upgrades
Drainage	Pruning
Cart Paths	Desilting

MANAGING *POA ANNUA* AND PROMOTING PASPALUM & BENTGRASS

- ✓ Main Goal: Restoring Grass Cover
- ✓ Decision: Introducing Bentgrass
- ✓ Challenges: Incompatibility with chemical applications for Poa

MANAGING *POA ANNUA* AND PROMOTING PASPALUM & BENTGRASS

LONG TERM GOAL – Reducing Poa from the greens so that the putting surface is between 70-90% Poa free

1. Chemical treatment of the Poa
2. Water management on the greens
3. Cultural practices carried out at the time of the year that promotes Bentgrass over Poa
4. Comprehensive fungicide program
5. Over-seeding with new variates of bentgrass

Future Plans

1. Nursery development, including trial plots of bentgrass

PROMOTING PASPALUM AND BENTGRASS

- Summer and winter advantage - Performance and growth
- Structured and targeted approach
- Utilization of sulphate fertility programme
- Interseeding with newer varieties of Bentgrass

SOUTHBROOM GREENS CONDITION
26TH JAN 2023

SOUTHBROOM GREENS CONDITION
4TH OCTOBER 2023

EXPERIENCED TEAM

- Followed the same strategy at San Lameer
- Clinton Fouche and Hein Koch on-site weekly with Sizwe full time
- Experienced in the Bentgrass conversion process

DRAINAGE

Drainage is and has been a problem at Southbroom from inception – Southbroom was built in an area that is prone to ground water seepage as well as storm water flooding.

DRAINAGE

Installation Details:

- Total length of solid pipe: 36 meters
- Length of perforated pipe: 30 meters
- Unblocked two drains on the 9th and one at the 6th
- 3 loads dump rock back of the 5th and other small areas
- Cleaned left and right hand side drainage trenches on the fourth and fifth

DRAINAGE

Purpose of Installation:

- Improve course conditions and playability
- Prevent waterlogging and ensure efficient water drainage
- Enhance overall aesthetics of the affected areas

DRAINAGE

Problematic areas to be worked on:

- No. 9 Fairway and surrounding areas
- Various areas on and around the 2nd, 3rd 4th, 5th, 6th, 7th and 8th hole
- Stream behind the 11th green

CART PATHS

Cleaning and edging of the cart paths

IRRIGATION REPAIRS AND INSTALATION

All green-side sprinklers were assessed. Some greens received additional heads while other green side sprinklers were either repaired or replaced. There is still a lot work to be done!

- 10th green irrigation was split for better pressure
- Turf valves installed at greens without hose connections – in progress

IRRIGATION INSTALATION

PUMP STATION UPGRADE

1. New pump was added
2. New manifold
3. DB board upgraded
4. Sealed the pump house from flooding
5. Installed roof access
6. Cleaned sump

CLEANING THE SUMP

IRRIGATION REPAIRS AND INSTALATION

Still to be done:

- Inline screens
- Control boxes
- Additional FW irrigation
- Automation

Time and Labor Efficiency:

- Water conservation
- Enhanced playability
- Reduced turf stress

TREE PRUNING

- Clearance for structures and traffic
- Improved visibility
- Maintenance access
- Light penetration
- Aesthetic considerations

CROWN LIFTING

- Clearance for traffic
- Encourages canopy growth
- Maintenance access
- Light penetration
- Improved air circulation

DESILTING DAMS

- Enhanced water storage capacity
- Improved water quality
- Prevention of sedimentation-related issues
- Increased irrigation efficiency
- Mitigation of flood risk

DESILTING DAMS

DAM OVERFLOW

HAPPY GOLFING!

Looking forward to a prosperous 2024