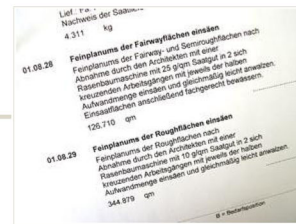




PHASE 1 - CONCEPTUAL DESIGN

During this planning phase we meet you at the site to take a good look at it, answer your questions and analyse your project from as many angles as possible. You may already know exactly what you want, or you're still making decisions. The more information we have at this stage, the sooner we can present the optimum planning for your project.

PHASE 1 Golf Course Conception Process			
	Client's Involvement	Golf Designer's Input	3rd Parties' Input
Design guidelines	<ul style="list-style-type: none"> 1) Target Market <ul style="list-style-type: none"> a) private b) daily fee c) municipal d) resort 2) Construction Volume <ul style="list-style-type: none"> a) number of holes b) practice facilities 3) Budget 4) Schedule 5) Settling of permission restrictions 	<ul style="list-style-type: none"> 1) Playability 2) Flexibility 3) Challenge 4) Memorability 5) Aesthetic qualities 6) Walkability 	
Site Suitability	<ul style="list-style-type: none"> 1) Size and shape 2) Right of disposal 3) Vehicular and utility access 4) No protected areas <ul style="list-style-type: none"> a) nature b) water c) historical monuments d) game reserve 	<ul style="list-style-type: none"> 1) Topography 2) Soil 3) Vegetation 4) Hydrology 5) Water quality 6) Climatology 	<ul style="list-style-type: none"> 1) Environmental Impact Study 2) Feasibility Study 3) Soil Tests 4) Water Analysis 5) Land Survey
Preliminary Golf Course Routing Plan	<ul style="list-style-type: none"> 1) Accurate Boundaries and Elevation 2) Housing & other Space Requirements 3) Amenity Relationships 4) Approval to Preliminary Routing Plan 	<ul style="list-style-type: none"> 1) Routing Alternatives 2) Cost Estimate 3) Preliminary Permit Process 	



PHASE 2 - DESIGN

Next we draw up the design, building on the draft agreed with you. This is where the CAD software comes in that we developed specially for planning golf courses. It takes the existing site contours, then plans earthmoving, drainage and other details for the various holes. Next we use our program to fine-tune the size, position and shape of tees, holes, greens, bunkers and hazards. And we pay special attention to future upkeep, visual impact and golf course surroundings.

To pave the way for planning permission, we often cooperate with local landscape planners. And of course we do the groundwork for you by providing the plans and information required for applications for planning permission. Before you award the contract to a construction company, we draw up an extensive list of specifications. Then we evaluate the bids and issue a price comparison so you can choose a construction company. Last but not least, we supervise the construction and design quality of the contractor to ensure you get the best possible golf course.

PHASE 2 Golf Course Design Process			
	Client's Involvement	Golf Designer's Input	3rd Parties' Input
Detail Planning	<ul style="list-style-type: none"> 1) Approval to Final Routing Plan 2) Negotiation with Authorities 3) Approval to Cost Calculation 4) Approval to Construction Schedule 	<ul style="list-style-type: none"> 1) Final Routing Plan 2) Permit Process 3) Detail Plan for: <ul style="list-style-type: none"> a) greens, tees, fairways, bunkers b) practice facilities c) earth movements (cut & fill) d) water features, lakes, creeks e) cart paths f) irrigation g) drainage h) grassing i) tree & bush planting j) site clearing k) erosion control l) staking 4) Construction schedule 5) Cost Calculation 	<ul style="list-style-type: none"> 1) Detail Plan for: <ul style="list-style-type: none"> a) clubhouse b) parking c) maintenance facilities d) driving range buildings e) shelters f) bridges g) streets h) fences i) utilities j) floodlight
Contracting	<ul style="list-style-type: none"> 1) Budgeting 2) Construction Contracts 3) Construction schedule 4) Payment Schedule 	<ul style="list-style-type: none"> 1) Preparation of Contract Documents, in particular Specifications 2) Request of Biddings 3) Bidding Negotiations 	
Construction	<ul style="list-style-type: none"> 1) Payment according to Construction Progress 	<ul style="list-style-type: none"> 1) Supervising 2) Invoice Control 	



PHASE 3 - CONSTRUCTION

We believe good golf courses are not just devised on computer screens. It's also necessary to take decisions during construction supervision to achieve the best possible result. We connect with the terrain and modify our design during ongoing construction because that's the best time to perfect certain golfing and landscape aspects. The winners are us, you and ultimately your golf players.

PHASE 3 Golf Course Construction Process	
▼ Golf Course Construction Firm(s)	
Staking	▶ Centerlines, Points in the Staking Plan, Property Lines, Roadways
Clearing	▶ Install Erosion Control, Clearing & Removal, Burying, Chipping & Hauling
Earthwork	▶ Strip & Stockpile Topsoil, Lake Excavation, Borrow Areas, Bulk Cuts & Fills
Drainage	▶ Develop Lake System, Culvert Pipes and Inlets, Fairway Drain Tile
Shaping and Contouring	▶ Greens, Tees, Fairways
Greens Construction	▶ Subsurface Drainage, Planting Bed Mixture
Irrigation System	▶ Power Source, Pumping System, Automatic Spray
Finish Shaping, Contouring, Grading & Cleaning	▶ Greens, Tees, Fairways
Maintenance Facility	▶ Access, Utilities
further Infrastructure	▶ Carts, Trail, Landsc. Shelters, Bridges
Grassing	▶ Greens, Tees, Fairways, Bunkers
Completion - / Pre-Opening Maintenance	▶