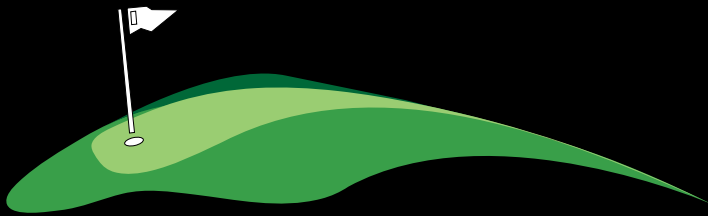


Above Expectations



■ site master planning ■ golf course design ■ feasibility studies ■ consulting

PCCD

Pacific Coast Design (PCD) for over 34 years has designed major golf projects throughout Asia, using a client focused approach they design golf courses that are beautiful, challenging, fun and that meet the needs and objectives of their clients.

- Established in 1986, to date PCD has completed golf course designs on over 56 major golf projects throughout Asia, along with thousands of minor consultancies.
- Focusing on the objectives of the client, PCD deliver designs that maximise the clients' investment return.
- Experienced in and understanding how, PCD make golf, resort and residential work together
- PCD has designed golf courses that;
 - are ranked in the worlds' top 100
 - are regularly listed in the top 5 of their respective countries
 - have won multiple industry awards accross asia
- PCD develop Master Plans using practical solutions to produce unique, exciting and sustainable results.
- Working as part of the clients' team PCD combine International experience with local expertise.
- PCD delivers International Standards, on time and at local cost structures.
- Are members of the Society of Australian Golf Course Architects.



“Ask our previous Clients, you can put your trust in PCD, we deliver”.



The Pacific Coast Design Difference

PCD recognises clients are faced with a variety of design choices when they are looking for an architect for their golf course. When making this decision the client should ask themselves;

'is this architect more focused about their golf course than the total project ?'

'is this architect a team player ?'

'has this architect got the variety of experience to produce a unique and project specific result ?'

'is this architects' fee structure complete or are there hidden extras'

'should we promote some architects' signature & be one of many, or

should the project become the signature'

The PCD Team

When you choose Pacific Coast Design to design your golf course the Directors you deal with are the designers who will work as part of your team throughout the design, construction and ongoing life of the project.

PCD Directors have:

- Built golf courses
- Managed golf courses
- Maintained golf courses



Team Profiles

Phil Ryan is a founding Director of PCD. From an engineering and design drafting background Phil went from constructing and managing golf projects to master planning & designing them, his depth of understanding of golf at all levels leads to the practical approach that has become the hallmark of PCD.



While Phil's work takes him frequently across Asia and allows him to investigate and play some of this region's most successful golf projects, his passion for golf has seen him review & play the best golf courses in Ireland, Scotland, England, Europe, Australia and the USA over the past 32 years.

He is an author, distinguished conference presenter, International coordinator for the Society of Australian Golf Course Architects, founding board member of the Indian Golf Industry Association and golf club member.

Paul Reeves began working on golf courses at the age of 16 and he has never really stopped. Originally working in the area of maintenance Paul spent several years as a Golf Course Manager, before returning to the field and spending a further 12 years constructing golf courses as Project Manager. On joining PCD as a Director he has moved his training, experience and passion into the area of golf course design.

Paul is a member of the Society of Australian Golf Course Architects and is also the Society's Honorary Secretary / Treasurer. Paul is also co-author of the book "Golf in India" and regular writer for Golf Digest as well as other golf publications.

Paul is passionate about golf, when he's not working in it, he's playing it. With a single figure handicap and several golf club memberships, he has played golf throughout the world. For Paul the opportunity to design a wonderful golf experience is a privilege, to do it as part of a team that produces a result that compliments the clients' objectives is what it is all about.

Vincent Pinto is Director (India) for PCD and first met other PCD Directors when he was project managing the highly successful Oxford Golf & Country Club, his involvement commencing from land acquisition, government approvals, team coordination, golf construction, golf maintenance through to ongoing management.

An experienced administrator, long time golfer / club member, GCSMAI life member and widely travelled Vincent has an in-depth knowledge of golf projects in the region and works closely with Clients to value add to the projects.

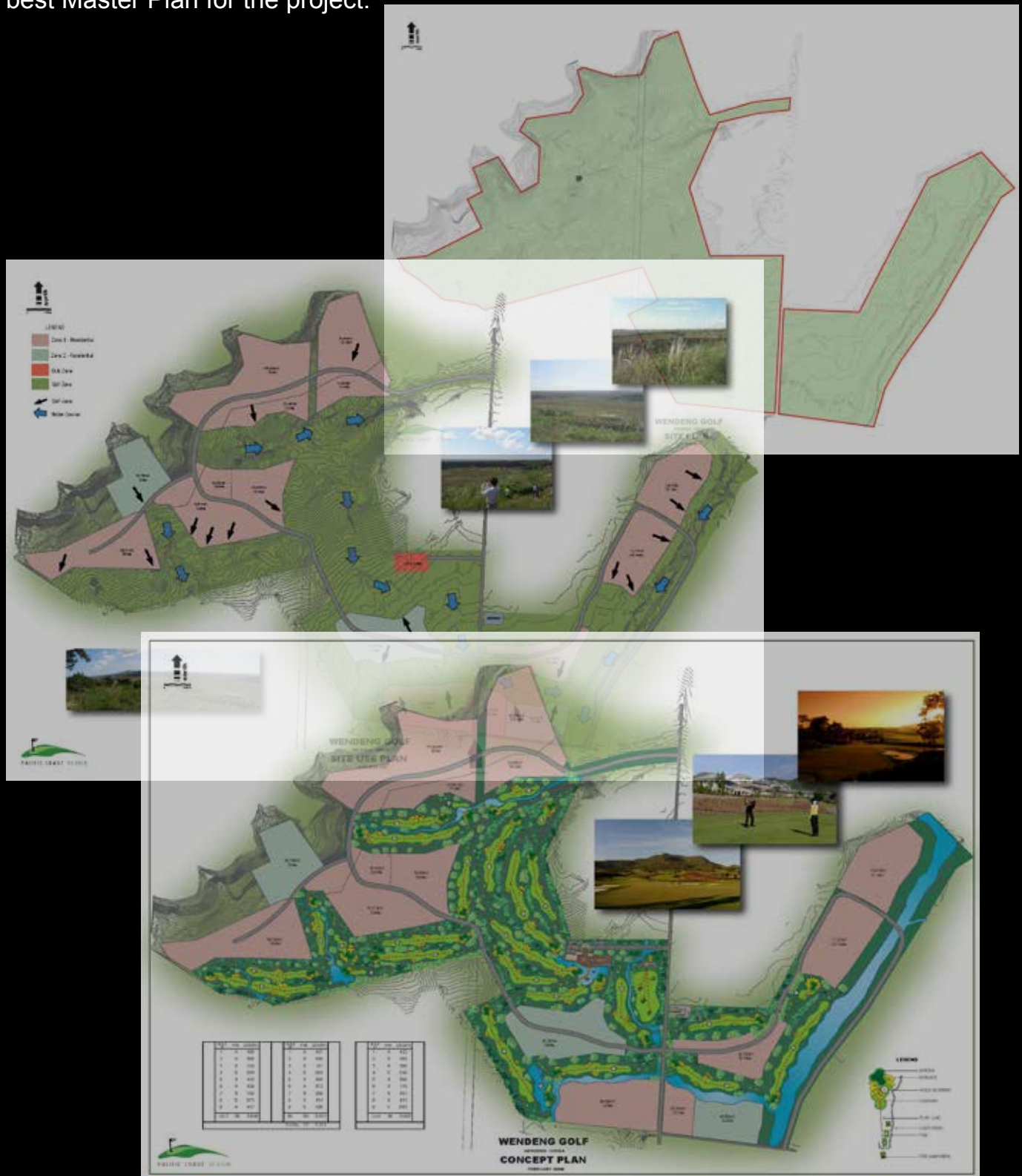


Site Planning

Modern golf projects are more than just golf courses, they are now an exhilarating blend of golf and commercial ventures that complement one another to create inspiring places that people want to be part of. Pacific Coast Design understand this and work with the client to identify the market and how best to mix these opportunities.

Working in close association with the client and other consultants, PCD looks for innovative ways to maximise the potential of the land allocated for the project.

Utilising a workshop based approach PCD works through the issues with the client team to reach a consensus in developing concepts that meet the clients' objectives and create the best Master Plan for the project.





Golf Course Design

Pacific Coast Design has a passion for the game of golf, for the fun and challenge it offers, however they realise that many modern golf projects have other significant components.

PCD believes and have designed projects that prove great golf experiences can be built as a stand-alone project or alongside residential / resort facilities. A PCD designed project puts all the pieces together to ensure the sustainability of the project.

The need to build a special golf course is never lost on the PCD team. Each course is individually crafted to provide the client with a unique golf experience. PCD courses are designed to be fun experiences that make golfers want to come back and play the course again. The courses are designed to be beautiful journeys where the golfer is challenged, thrilled, intimidated and excited no matter their experience or proficiency.

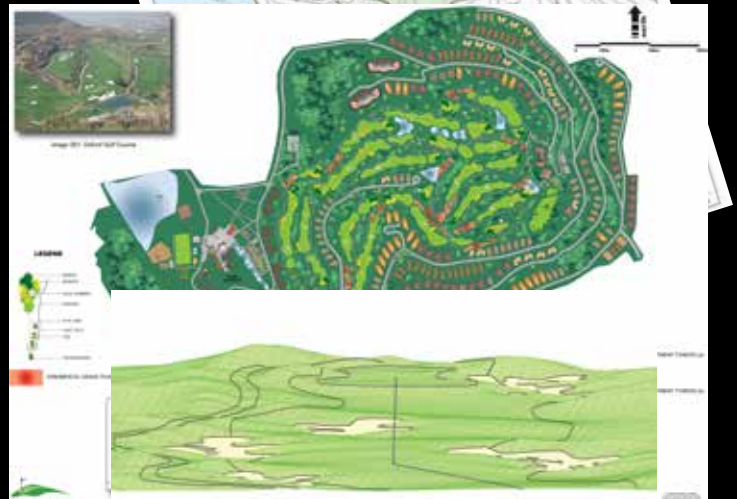
Behind this beautiful golf course is the recognition that the design must enhance the environment, produce income, meet market requirements and be easy to maintain. When PCD designs a course to be sustainable they design a course that has the capacity to endure, be it economically, environmentally or commercially.



Design Technology

Building a challenging and beautiful golf course that meet the needs of the client is an important part of the PCD process. But PCD understands the unseen parts that make the difference between good and great.

- **Site Analysis** – PCD will inspect the site looking to identify the features and opportunities of the location and how to best utilise these.
- **Statutory Requirements** – PCD will work with the client and other consultants to assist the client with the development of documents, plans and information as required for permits etc.
- **Feasibility Analysis** – PCD will investigate the local economic environment and recommend the most sustainable model for a project.
- **Computer Aided Design** - While the Directors actually hand draw the design, PCD also utilises modern technology to assist with quantity modeling, 3D imagery, project engineering and site set out.
- **Environmental Sensitivity & Sustainability** - PCD designs respect the naturalness of the site / region and seek to enhance all aspects
- **Safety** – PCD design the golf course to ensure both the safety of the user and adjoining properties
- **Maintenance** – Designing for ongoing maintenance of the finished golf course is part of the PCD design process



Section 3 - Fine Shaping

TYPE 1 PIPE - SECTION "A"

100mm CLEAR TRENCH

100mm TYPE 1 PIPE

10mm

10mm

6.7 Trench Drainage material
Trench drainage material is to be 6mm to 10mm clean (washed) gravel (free from silt & clay) for drainage pipes. A minimum of 75% of the material is to be of the 10mm range.

Very Coarse Sand	Coarse Sand	Medium Sand	Fine Sand	Very Fine Sand, silt & clay
20mm	10mm	5mm	2.5mm	< 0.075mm
0%	0-20%	0-50%	0-70%	> 70%



PCD Services



Site Master Planning

- Residential, Commercial, Resort / Golf related Projects
- Master Plans, Concept Plans, Feasibility Reports, Information Memorandums

Golf Course Design

- New Golf Courses / Private, Residential, Resort & Public
- Redesign of existing Golf Courses
- Design Services
 - Detailed Design
 - Grading Plans(Cut / Fill / Volumes)
 - Feature Design
 - 3D views
 - Landscape Design
 - Irrigation Strategy
 - Drainage Design
 - Grassing Design
 - Golf Construction Specifications



Consulting

- Feasibility Reports
- Market Research
- Agronomy Consulting
- General Consulting

Championship Golf Courses

PCD design golf courses where the focus is to produce a memorable golfing experience, suitable for Professional Championships as well as satisfying the golf membership.



Residential Golf Courses

Golf courses that complement the residential objectives of the project require a different design approach, PCD works with clients in designing exciting golf projects that are great places to live.



Executive Golf Courses

Not all golf markets or clients have the land to support full sized golf courses, PCD works with clients to develop golf courses that support their commercial objectives yet still provide exciting and safe golf venues.



Golf Course Redesign

Not all golf courses stand the test of time, PCD assist existing courses to update, renovate or restore their golf courses to attract new players and provide alternative income streams.

Delhi Golf Club - Peacock Nine



before



after

Koorungal Golf Club



construction



finish

Poona Golf Club



before



after

Thana City Golf



before



after

Mini Golf

PCD is involved with new mini golf developments in several countries and has experience in designing, sourcing materials, supervising, and assisting with the construction of these exciting facilities.



Major Project Listing

Australia

Gardiners Run Golf, Chirnside Country Club, Victoria (18)
The Capital Golf Club, Victoria (18)
Waterford Valley Golf, Victoria (18)
Hidden Valley Golf & Country Club, Victoria (18)
Patterson River Country Club, Victoria (18)
Mt Derrimut Golf (Sunshine GC), Victoria (18)
Cannon Hill Community Links, Queensland (18)
Nelson Bay GC, New South Wales (27)
Scone Golf Club, New South Wales (9)
Eagle Ridge Golf, Victoria (Master Plan & Redesign 18)
Freeway Golf, Victoria (Master Plan & Redesign 18)
Koorringal Golf Club, Victoria (Master Plan & Redesign 18)
Headland Golf Club, Queensland (Master Plan & Redesign 18)
Garfield Golf Club, Victoria (Master Plan & Redesign 18)
Bagara Golf Club, Queensland (Masterplan & Redesign 18)
Morack Golf, Victoria (Redesign)
Tocumwal Golf Club, NSW (Redesign 27)
Midlands Golf Club, Victoria (Redesign)
Drouin Golf Club, Victoria (Redesign 18)
Fremantle Golf, Western Australia (Redesign 9)
Malvern Valley Golf, Victoria (Redesign 18)

China

Tianma Golf & Country Club, Shanghai (27)
Phoenix Course, Lake Hill Resort, Haining (18)
Amai Golf & Country Club, Fuzhou (27 hole – redesign)
Longshan Lake Golf, Nanjing (18)
CiTee Golf Club, Beijing (18)
Chengdu Country Club, Chengdu (27)
Zhangjiajie Golf, Wulingyuan, Zhangjiajie, Hunan (18)
Chongzuo City Golf, Chongzuo (36)
Mianyang Xianhai Golf, Sichuan Province (27)
North Hill Golf, Sichuan Province (18)
Gentle Uptown Golf, Nanning (18)
The Hong Kong Golf Club, (Master Plan & Redesign)
Shek O Golf Club, (Master Plan & Redesign x 18)

Myanmar

Dagon Golf, Yangon (18)
Royal Myanmar Golf Course, Naypyitaw (18)

Iran

Tehran International Golf, Iran Land, Tehran (18)

India

18 Hole Golf Projects

Oxford Golf & Country Club, Pune
Vooty Golf Resort, Hyderabad
Eagleton Golf Village, Bangalore
Clover Greens Golf, Bangalore
Bangalore Golf Club, Karnataka
Poona Club Golf Course, Pune
JW Golf Club, Mysore
Kharghar Valley Golf (CIDCO), Navi Mumbai
Chikmagalur Golf Club, Karnataka
The Palace Resort, Mysore (Eagleburg)
Kashmir Golf Club, Srinagar (Redesign x 18)
Mayfair Golf Resort, Raipur
Haldi Golf County, Hyderabad
Dwarka Golf, Delhi (18)

9 Hole & Par 3 Golf Projects

Karma Lakelands Golf, Gurgaon
Delhi Golf Club, New Delhi, (Peacock Nine Redesign)
Unitech Country Club, Noida
Calcutta Riverside Golf, Kolkata
Blue Ridge Golf, Maharashtra
Kimmene Resort, Shimoga
MTC Royal Jaipur Golf, Jaipur
Uplands Arvind, Ahmedabad
Khandala Golf, Navi Mumbai
Kolhapur Golf Resort, Kolhapur
The Highlands, Godrej City, Panvel

Thailand

Black Mountain Golf, Hua Hin (18)
Thana City Golf, Bangkok (Redesign x 18 holes)
Aquella Golf & Country Club, Phuket (18)
Dragons Breath Golf, Hua Hin (9)
My Ozone Resort, Khao Yai (18)
Alpine Golf, Bangkok (Redesign x 18)
Bangkok Golf, Bangkok (Redesign x 18)

Vietnam

Mountain View Course, Kings Island Golf, Hanoi (18)
Ruby Tree Golf Resort, Do Son (18)
Heron Lake Golf Club, Hanoi (18)
Tuan Chan Island Golf Resort (18)



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