

THE SPORTS TURF construction

ENTHUSIASTS



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LEADING GOLF COURSE CONSTRUCTION
in new zealand

ON THE MAP

since 1995

THE DUNES Golf Course

LAKES RESORT Golf Course

KAURI CLIFFS Golf Course

KINLOCH Golf Course

CAPE KIDNAPPERS Golf Course

ROYAL WELLINGTON Golf Course

WANAKA Golf Course

HAREWOOD Golf Course

MILLBROOK Golf Course

JACK'S POINT Golf Course

ORETI SANDS Golf Course



TIC (Turf & Irrigation Contractors Ltd) was established in 1995 by the current directors Geoff and Belinda Andrew, to provide an irrigation installation service to the sports turf industry.

TIC rapidly expanded from its initial undertaking to also encompass golf course and sports turf construction and bulk haulage of sports turf aggregates.

In 2004, in response to growth and increasing demand on services, the company was restructured into TIC Golf and Sports Group Ltd, which was comprised of 3 companies; TIC Projects Ltd, TIC Contracting Ltd and TIC Haulage Ltd.

In 2007 Geoff and Belinda set up head office in the South Island enabling them to better focus on golf construction throughout the whole of New Zealand.

Then in 2010, the General Manager in Auckland took over the ownership of TIC Contracting Ltd and TIC Haulage, allowing Geoff and Belinda to concentrate on large scale golf construction projects throughout NZ and golf upgrades and reconstruction works in the south.

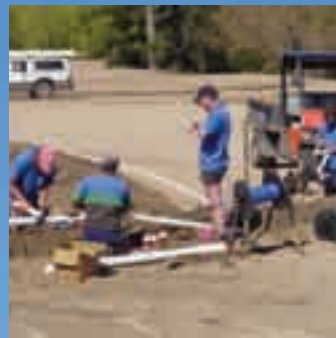
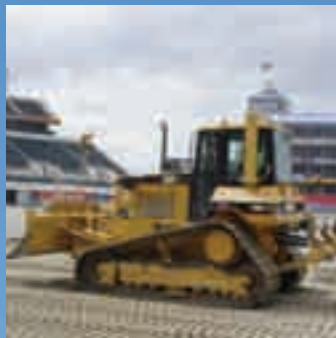
TIC Golf Projects Ltd manages the construction of new golf courses and re-construction of existing courses.

TIC have completed both large and small scale sports turf construction projects throughout New Zealand,

including the Jack Nicklaus Signature Course in Kinloch, Taupo, the highly acclaimed 18 hole championship golf course at Jack's Point, Queenstown, the 18 hole international golf course at Lakes Resort, Pauanui, the Waikato Stadium in Hamilton, Millbrook in Arrowtown and the AMI stadium in Christchurch.

TIC Golf Projects works on any golfing surface and includes the following within it's spectrum of business:

- Irrigation
- Drainage
- Bulk Earthworks and Shaping
- Golfing greens, bunkers, tees & fairways
- Landscaping
- Laser Levelling
- Seeding / Grassing



WHATEVER IT TAKES

TIC prides itself in the knowledge it has the most advanced and up to date equipment and resources to provide the best possible service to customers. The technology used at TIC Projects is constantly upgraded. This gives an enviable reputation within the sports turf construction and maintenance industry.

TIC is New Zealand's leading sports turf construction company. From the entire project management of the construction of New Zealand's premier golf courses and sports grounds to the drainage, irrigation or renovation of sporting facilities, TIC has the team, the technology and the experience to take on any sports turf related project.

TIC employs highly trained, experienced and committed staff, the majority of whom hold NZ Turf Qualifications. Our extensive range

of machinery uses the latest in technology, designed and utilized solely for the construction and maintenance of sports turf surfaces.

TIC is well resourced and is represented in both the North and South Islands, with offices in Auckland and Queenstown.

TIC has the expertise and flexibility to ensure that the finished project is completed on budget, on time and exceeds both industry specifications and client expectations.







The TIC Projects team are highly qualified in the construction of exceptional sports turf surfaces, the majority of them holding NZ Turf qualifications. As seen in many of the projects, the team are very adaptable, easily moving locations for any period of time. Most of the team have been with TIC Projects for many years reflecting their loyalty and passion for what they do. They have an excellent eye for detail and a strong work ethic which ensures that any project taken on is completed to the best possible and most efficient way.

The TIC Directors

The Directors of TIC have a passion for their industry. With over 15 years of hands-on experience, specialised industry knowledge, high levels of management and analytical skills, and not least a love of sport, the Directors lead from the front with equally dedicated, competent and professional staff completing the team at TIC Projects.

GEOFF ANDREW Director

Before TIC

12 years as a qualified engineer involved in the design and manufacture of agriculture and irrigation machinery; 5 years in sales of engineering and pumping equipment; 5 years in sales and installation of turf irrigation systems.

At TIC

15 years as Director of TIC.

Contact: Mobile 0274 444 048 Email: geoff@turf.co.nz



BELINDA ANDREW Director

Before TIC

5 years garden centre management involved in garden design and implementation of residential properties; 2 years wine industry sales

At TIC

15 years as Director / Financial Controller

Contact: Mobile 027 275 0165 Email: belinda@turf.co.nz



it's how we roll



Customers that TIC have worked with over the past 16 years

Golf Clubs

Akarana Golf Club

Arrowtown Golf Club

Auckland Golf Club

Chamberlain Park Golf Course

Clarks Beach Golf Club

Cape Kidnappers Golf Course

Cromwell Golf Club

Formosa Golf Resort

Gulf Harbour Country Club

Golf Today Driving Range

Harewood Golf Club

Helensville District Golf Club

Howick Golf Club

Hauapai Golf Club

Jacks Point Ltd

Kauri Cliffs Golf Course

Kinloch Golf Resort

Kerikeri Golf Course

Lochiel Golf Club

Manukau Golf Club

Maramarua Golf Club

Maungakei Golf Club

Mercury Bay Golf Club

Millbrook Country Club

Mt Maunganui Golf Club

Muriwai Golf Club

North Shore Golf Club

Oreti Golf Links

Omaha Golf Club

Pakuranga Country Club

Papakura Golf Course and Driving Range

Pauanui Lakes Resort

Pauanui Sports and Recreation Club

Pukekohe Golf Club

Pupuke Golf Club

Remuera Golf Club

Redwood Park Golf Club

RNZAF Auckland Golf Club

Royal Wellington Golf Club

The Dunes Matarangi

Taupo Golf Club

Titirangi Golf Club

Twin Oaks Driving Range

The Grange Golf Club

Wairakei International Golf Club

Waitakere Golf Club

Waitemata Golf Club

Whitford Golf Club.

Wattle Downs Golf Club

Whangaparua Golf Club

Wanaka Golf Club



GROWING A steady base

Sports Fields

Afriston College
 Arrowtown School
 Auckland Grammar
 AMI Stadium
 Birkenhead College
 Bombay Rugby Club
 Counties Manukau Rugby Football Union
 Central United Football Club
 College Rifles Rugby Club
 Dawsons Primary School
 Eden Park
 Edgewater College
 Glenfield College
 Hauraki North Football Club
 Hauraki Plains College
 Kings School
 Kowhai School
 Karaka Sports Complex
 Long Bay College
 Macleans College
 Manurewa High School
 Marist Brothers Old Boys Rugby Club
 Mount Smart Stadium
 Northcote Primary School
 North Harbour Stadium
 Otahuhu College
 Oceana Football Confederation
 Owairoa Primary School
 Papatoetoe High School
 Parnell District School
 Pinehurst School
 Point View School

Queenstown Primary School
 Rotorua International Stadium
 Takapuna Grammar School
 Taupaki School
 St Kentigerns College
 Sunnyhills Primary School
 Victoria Avenue School
 Waikato Stadium and Events Centre
 Wesley School
 West Lake Boys High School
 Westpac Stadium

Race Courses;

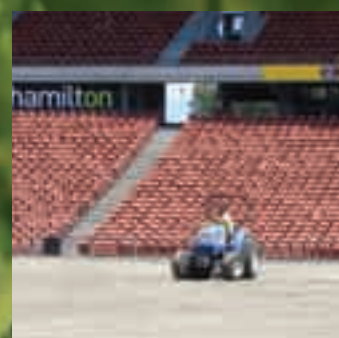
Counties Racing Club
 Ellerslie Race Course
 Franklin Racing Club

Councils

Auckland Regional Council
 Franklin District Council
 Hamilton City
 Hauraki District Council
 North Shore City Council
 Queenstown Lakes District Council

Other

Brett Thomson Design
 Chris Pitman Golf Course Architecture Ltd
 Department of Conservation
 Ministry of Education
 NZ Sports Turf Institute
 Advanced Irrigation Systems (Rainbird)
 Parklands (Toro)
 Transit New Zealand
 Turner Macpherson Golf Design



BRINGING IT ALL together



Over the following pages we have showcased some of our completed work to present the range and quality of jobs TIC work on.

MILLBROOK

NORTH SHORE

CAPE KIDNAPPERS

WAIKATO STADIUM

KINLOCH

HAREWOOD

KAURI CLIFFS

EDEN PARK

JACK'S POINT

THE DUNES

WANAKA

PRIVATE COURSES

LAKES RESORT

ORETI

ROYAL WELLINGTON



A wide-angle photograph of a golf course. In the foreground, a golfer in a white shirt and dark shorts is captured mid-swing on a lush green fairway. To the left, a white golf cart with several people inside is parked. In the background, a wooden bridge crosses a small stream, surrounded by dense green trees and rolling hills under a bright sky.

TAKING ON tough ground



MILLBROOK CORONET 9

27 Hole Golf Course

Arrowtown

Central Otago



In an alpine environment at an altitude of 392 metres, the golf course at Millbrook features a variety of grasses and cut heights, all manicured for technically and visually exciting golf. The 'Coronet Nine' will form part of three 18-hole combinations, where any two out of the three 'nines' can be played together, flowing through a new half billion dollar resort homes development. For more information go to www.millbrook.co.nz/golf

TIC Projects - Brief:

Expanding on the existing 18 holes to allow further residential development of 59 house sites. 'Coronet 9': 9 newly constructed championship golf holes at 'Millbrook West Stage 1 Development'. Plus 4 holes from the original Bob Charles designed 18 hole course received extensive re-configuration and re-alignment.

Construction Challenges:

- Completing the works to the required, tight timeframes
- Winter conditions under perma frost / ice and snow





KINLOCH

18 Hole Golf Course

Kinloch
Lake Taupo

The signature Jack Nicklaus designed course at Kinloch was completed in May 2007 and voted one of the top 10 new golf courses in the world the same year by US Travel and Leisure magazine. The course rumbles across a dramatically undulating landscape punctuated by exposed rock – overlooking the moody Lake Taupo. It's fairways are contoured and conditioned for ground play and flecked with disheveled bunkers. For more information go to www.kinloch-golf.co.nz

TIC Projects - Brief:

Once the shaping was completed TIC Projects was involved in the full construction process of the Kinloch golf course including installation of the full course irrigation and drainage systems. TIC projects also provided machinery and operators to assist in the construction of the greens, tees, bunkers, fairways and lakes, as well as the finishing and preparation of the fairways, rough and out of play areas, and the seeding of the course and subdivision areas. Working alongside Kinloch staff and the Nicklaus international design and construction crew, meant sharing of knowledge and skills and the fostering of ongoing relationships.

Construction Challenges:

- Establishing a full team in a remote location for 2 ½ years
- Working on a pumice base
- Working with a high profile designer with high expectations
- Installation of highly specified computer controlled irrigation system



WELL ROUNDED construction





TAKING THE CHALLENGE
to a new level



JACK'S POINT

18 Hole Golf Course

Lake Wakatipu

Central Otago



Jacks Point Golf Course is an 18 hole championship course nestled between the Remarkables mountain range and Lake Wakatipu near Queenstown. It opened in 2008 to very positive reviews - most claiming this to be the best golf course in New Zealand. For more information go to www.jackspoint.com

TIC Projects - Brief:

TIC Projects were employed to provide specialist shaping, drainage and construction services for the golf course features encompassing the greens, tees, bunkers, and fairways. TIC Projects have also completed the cricket oval and soccer fields at Jack's Point.

Construction Challenges:

- Minimal earthworks where required so as not to disturb the natural contours of the land
- Re-interpreting the golf course plan to accommodate the rock and rugged terrain
- Meeting the strict budget and timeline in an area with a relatively harsh climate
- Flat pipe drainage which was the first installation of this type across a full course





LAKES RESORT
Golf Course
18 Hole Golf Course
Pauanui
Coromandel

Lakes Resort Golf Course, just 10 minutes from the popular Coromandal seaside resort of Pauanui lies amidst the preserved pristine forested landscape. This visually stunning valley with its abundance of wildlife inspired the creation of a natural course which is private, and uninterrupted.

For more information go to www.lakesresort.com/golf

TIC Projects - Brief:

Our contract was to construct a turn key 18 hole international standard golf course with the handover in a playable condition.

Construction Challenges:

- To work around a large area of wetlands including reclaiming swampland
- The property is at the high tide mark which means it is prone to flooding which required some unique solutions to solve drainage issues across the site

IT'S ALL IN

NORTH SHORE Golf Club
27 Hole Golf Course, Waitemata Harbour, Auckland



North Shore Golf Club features 27 tree lined holes offering players three different 18 hole layouts. The scenic aspect of the club encompasses rural views poised above the natural backdrop of the Lucas Creek escarpment.

For more information go to www.northshoregolfclub.co.nz

TIC – Brief:

TIC's relationship with NSGC goes back many years and throughout this period TIC has been contracted to complete

the on-going course redevelopment, including the new lake complex, five complete new holes as well as installing sand carpeting to green approaches and fairways and additional drainage throughout the course.

Construction Challenges:

Meeting time and budget constraints whilst still working on a course open to play for members to enjoy

HAREWOOD Golf Club

36 Hole Golf Course, Christchurch, Canterbury



Eventually Harewood Golf Course in Christchurch will have 27 holes, with 18 reconfigured holes on the Woodland Course and 9 holes on the Plains Course. The two golf courses appear to have relatively flat fairways but are, in fact, deceptively undulating. For more information go to www.harewoodgolf.co.nz

TIC Projects – Brief:

Harewood Golf Course employed the services of TIC Projects

to reconstruct and upgrade the 18 hole woodlands golf course (built after the 2nd world war) to accommodate the extension of the east/west runway at Christchurch airport.

Construction Challenges:

Working with a fixed priced contract to provide the club with an outstanding result and a stand out course in the Christchurch area.

THE DUNES

Golf Resort

18 Hole Golf Course

Matarangi

Whitianga



The Dunes is set in glorious surroundings, with sea and harbour views from most of the holes and the Coromandel ranges forming a spectacular backdrop. For more information go to www.thedunesmatarangi.co.nz

TIC Projects - Brief:

The reconstruction of 12 of the existing 18 holes after the removal of 250,000m³ of sand. This included a complete irrigation upgrade, tee and bunker rebuilding and some re-modelling of existing greens on the rest of the course.

Construction Challenges:

- Due to the need to excavate a large quantity of sand and to create lakes for the storage of irrigation water the golfing corridors were considerably reduced requiring careful planning of the new layout
- Hydromulching complete fairways to stop the seed from being blown out to sea



our approach

ORETI Golf Club

The worlds southern most Links Course, Oreti Sands, Southland



The recent new holes, renovations and alterations to the links have put Oreti Sands fairly and squarely on the stage as not only the southernmost links in the world, but also one of the finest in the southern Hemisphere.

TIC Projects - Brief:

To construct new holes to a tight budget with minimal disturbance to the natural surrounding contours and vegetation.

Construction Challenges:

Constructing and growing in new golf holes in one of New Zealand's most extreme landscapes and climates

WORKING WITH



CAPE KIDNAPPERS Golf Course 18 Hole Golf Course Hawkes Bay

Completed in 2004, this spectacular golf course has been hailed as one of the great modern marvels in golf! Cape Kidnappers course is currently ranked the 41st best golf course in the world by Golf magazine. Set atop 6,000 rolling acres of pastureland with 180 degree panoramic views of the Pacific Ocean it is plain to see why this course has received such outstanding accolades. For more information go to www.capekidnappers.com

TIC - Brief:

TIC was again engaged to provide specialised drainage services to heavy traffic areas on and around the golf course after the grow-in phase of the course had being completed.

Construction Challenges:

To undertake work on this high profile course without disruption to play and without any visual impact

KAURI CLIFFS

Golf Course
18 Hole Golf Course
Matauri Bay
Northland



The par 72 championship golf course offers fifteen holes with a spectacular view of the Pacific Ocean – six of which are played alongside the cliffs which plunge to the sea. The remaining beautiful inland holes wind through marsh, forest and farmland. For more information go to www.kauricliffs.com

TIC - Brief:

TIC visited over a two year period to add additional specialised drainage to high traffic areas around greens, tees and fairways

Construction Challenges:

To undertake work on this high profile course without disruption to play and without any visual impact



local legends

WANAKA Golf Club
18 Hole Golf Course
Wanaka
Central Otago



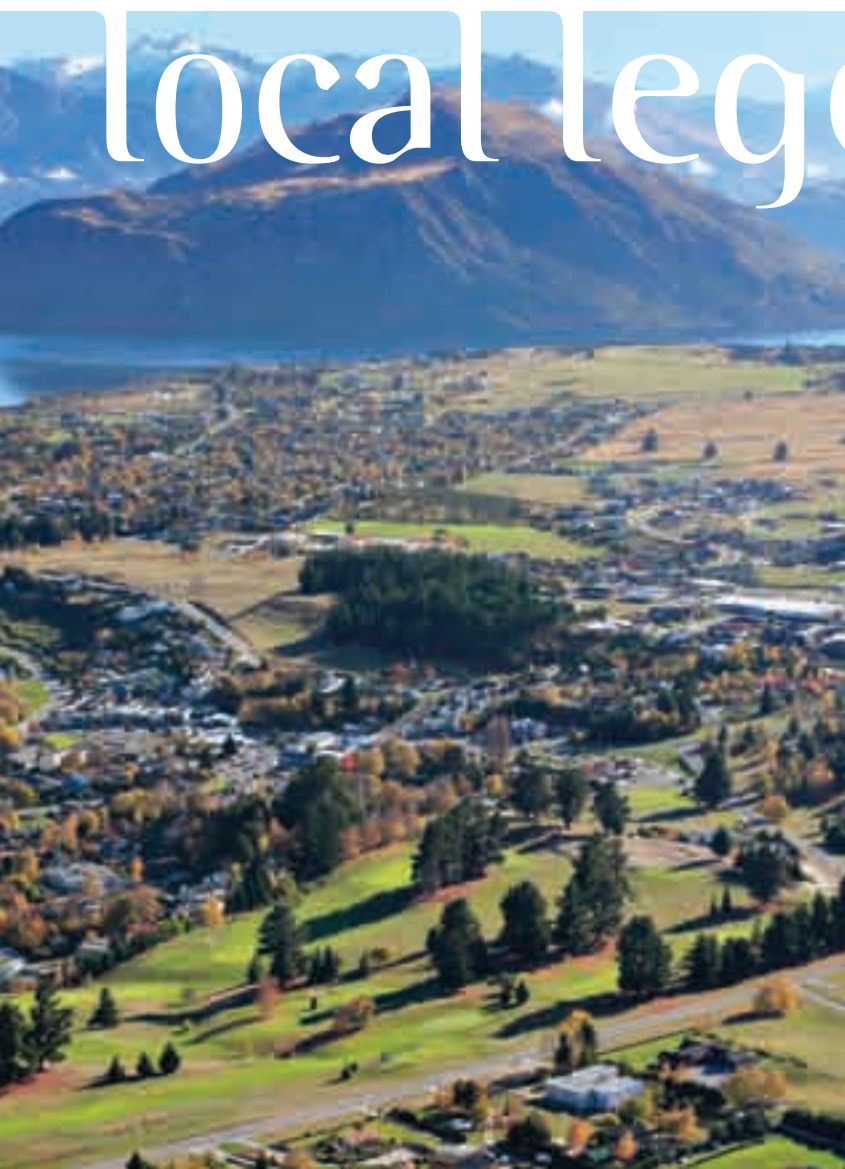
The Wanaka Golf Club is a picturesque 18 hole golf course surrounded by mountains, overlooking the lake, nestled above the township of Wanaka. For more information go to www.wanakagolf.co.nz

TIC Projects - Brief:

TIC Projects have now started on reconstruction works based on a masterplan the club has had produced for future development of the course.

Construction Challenges:

Constructing new holes whilst keeping 18 holes open for play on a very busy course



ROYAL WELLINGTON Golf Club



TIC Projects were successful in securing the contract to reconstruct 18 holes of the prestigious Royal Wellington Golf Club.

Work includes the construction of new holes, and the upgrading of some existing holes to eventually allow the course to expand into the construction of 27 modern championship holes.

This will allow the club flexibility for championship, club or twilight 9 hole golf to the highest standard.

Work commenced in Feb 2011 and is programmed to take three years, while still allowing members to play 18 holes during the construction period.



WAIKATO Stadium Rugby Stadium, Hamilton



Waikato Stadium has earned its reputation as one of New Zealand's premier venues for international and national sports, live performances and functions. The stadium opened in 1925 as Rugby Park and holds a proud history through the years. For more information go to www.waikatostadium.co.nz

TIC - Brief:

Full pitch construction including installation of drainage, irrigation system, sand layer, zeolite and loksand application

Construction Challenges:

- Completed over 10 week period whilst stadium stand construction was underway
- Engineered a purpose built Loksand Spreader for this job





EDEN PARK Stadium

Rugby and Cricket Stadium, Kingsland, Auckland



Eden Park is New Zealand's largest stadium; every year hosting half a million local and international sports fans. Eden Park has been the home of Auckland Cricket since 1910 and Auckland rugby since 1925. Most recently, Eden Park was named the finals venue for the Rugby World Cup 2011. For more information go to www.edenpark.co.nz

TIC - Brief:

Preferred contractors for upgrading and ongoing works on the stadium field, No.2 ground and Cricket Blocks.

Construction Challenges:

Working to tight deadlines on a busy high profile sports complex with the 'rugby mad' eyes of the nation upon us

great and small



PRIVATE GREENS Golf in your own backyard

Over the years TIC Projects have been fortunate to be asked to construct a number of exclusive golf facilities on private properties. These have ranged from putting greens and

practice areas to multi tee 'short' courses equal to any high-end course world wide. Regardless of scope TIC apply the same passion and expertise from start to finish.

From the smallest construction contract to entire project management, the hallmarks of TIC's work include:

- Passion for what we do
- Meticulous attention to detail
- A good dose of Kiwi Ingenuity
- The highest standards of workmanship, resources and equipment, and pride in all that we do
- Innovative industry leaders
- Long established
- Team approach both within the company and with our clients

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References

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Peter Boyd	Pakuranga Country Club, Superintendent ph 027 486 9302
Alan Copeman	The Dunes Matarangi ph 021 874 222
Murray Dick	North Harbour Stadium, Facilities Manager ph 09 414 0154
Simon Foreshaw	Lakes Resort & Jacks Point Course Manager ph 027 222 4731
Peter Foskin	Aviation Country Club, Superintendent ph 025 756 417
Karl Johnson	Waikato Stadium, Stadiums Manager ph 021 513 957
Rod Latham	Harewood Golf Club, General Manager ph 0274 368046
Steve Marsden	Kinloch Golf Resort & Cape Kidnappers Course Manager ph 0211 901 196
Ben O'Malley	Millbrook Country Club, Property Manager ph 021 397 608
Mark Perham	Eden Park, Turf Manager ph 0275 710 444
John Spraggs	Royal Wellington Golf Club, Course Manager ph 021 749 035
Greg Turner	Turner Macpherson Golf Design ph 021 353 618
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