



Rich River Golf Club – Master Plan

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Club's Brief

1. Re establish the East Course as a **Top 100** Public access course.
2. **Retain** the East Course as a **championship course**.
3. Regenerate the West Course as a course that is **fun, playable and challenging** to golfers of all ages and standards
4. Variety of holes, especially short par 4's with **risk and reward** options.
5. Establish **'signature'** holes that are great to play and aesthetically pleasing.
6. **Review** the bunkering around the course, especially the fairway bunkers.
7. Ensure both greenside and fairway bunkers **drain well** after overnight rain or irrigation.
8. **Investigate** Driving Range options
9. Introduce **mini golf** course
10. Short game areas – **19th hole**
11. New **irrigation** system
12. **Composite Course**, the best 18 holes which can be routed between both courses



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TP Golf - Objectives

1. More golf to be played from **short grass**
2. Introduce **linking** of fairways, tees, surrounds
3. Establish cart path areas and improve **golfer traffic** where appropriate
4. Improve **landscape** around the course – especially around tees, out of play areas and backdrops
5. Improve the **relationship and aesthetics** between the green, greenside bunkers and surrounds
6. Use of water on **risk/reward** holes
7. Minimise **blind water** around the course
8. Ensure both the **men's and the ladies card** are consistent and represent the course
9. Responsible **irrigation** parameters
10. Responsible rough cutting and landscape areas – **minimising maintenance costs**
11. **Course Furniture** is consistent in style of good quality and positioned correctly – signs, markers, drink fountains, rubbish bins and buckets etc



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Quality Turf

One of the key features TP Golf see in improving both courses is having more fairway turf to play from.

- ☐ *improves playability*
- ☐ *adds variety to shot making*
- ☐ *looks great*
- ☐ *ease of mowing patterns*
- ☐ *improve speed of play*
- ☐ *linking of fairways/surrounds/tees*
- ☐ *responsible irrigation*
- ☐ *grassy hollows, underrated feature around greens*



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Turf – East Course

Current Golf Feature Areas

<input type="checkbox"/> Existing Maintained Turf	32.5ha
<input type="checkbox"/> Fairways	12.5ha
<input type="checkbox"/> Greens	1.05ha
<input type="checkbox"/> Bunkers	0.560ha
<input type="checkbox"/> Tees	0.9ha
<input type="checkbox"/> Rough	18ha
<input type="checkbox"/> 350meg irrigation per year	

Proposed Golf Feature Areas

<input type="checkbox"/> Maintained Turf	33.6ha
<input type="checkbox"/> Fairways	18.9ha
<input type="checkbox"/> Greens	1.25ha
<input type="checkbox"/> Bunkers	0.40ha
<input type="checkbox"/> Tees	1.35ha
<input type="checkbox"/> Rough	12ha
<input type="checkbox"/> 200meg irrigation per year	



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Turf – West Course

Current Golf Feature Areas

<input type="checkbox"/> Existing Maintained Turf	20.3ha
<input type="checkbox"/> Fairways	10.8ha
<input type="checkbox"/> Greens	0.9ha
<input type="checkbox"/> Bunkers	0.4ha
<input type="checkbox"/> Tees	0.6ha
<input type="checkbox"/> Rough	8ha
<input type="checkbox"/> 200meg irrigation per year	

Proposed Golf Feature Areas

<input type="checkbox"/> Maintained Turf	22ha
<input type="checkbox"/> Fairways	13.9ha
<input type="checkbox"/> Greens	1.00ha
<input type="checkbox"/> Bunkers	0.3ha
<input type="checkbox"/> Tees	0.8ha
<input type="checkbox"/> Rough	6ha
<input type="checkbox"/> 150meg irrigation per year	



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Signature Holes

Hole 17 East - Currently



Hole 17 East - Proposed



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Bunkers

“On many courses there are far too many bunkers. The sides of fairways are riddled with them and many courses would be equally interesting and infinitely more pleasurable if half were turfed over and converted into grassy hollows”
Alister MacKenzie Golf Course Architect.

Our goal at Rich River is to maximise the positioning of bunkers while removing bunkers that are out of play.
We will see improvement in;

- ☐ *playability*
- ☐ *access*
- ☐ *aesthetics*
- ☐ *drainage – kustombind where required.*
- ☐ *lower profile*
- ☐ *minimise maintenance*
- ☐ *irrigation control*



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Bunkers

- ☐ 123 Bunkers over both courses
- ☐ **East Course** – 41 Fairway Bunkers, 43 Greens Bunkers
- ☐ **West Course** – 5 Fairway Bunkers, 34 Green Bunkers
- ☐ Poor access
- ☐ Deep
- ☐ Turf quality
- ☐ Poor drainage
- ☐ Pool with water after rain/ irrigation
- ☐ 150hrs of labour per week – High Maintenance Cost

TP Response

- ☐ 79 Bunkers over both courses
- ☐ **East Course** – 22 Fairway Bunkers, 26 Greens Bunkers
- ☐ **West Course** – 9 Fairway Bunkers, 22 Greens Bunkers
- ☐ Improve bunker entrances
- ☐ Lower profile, improved playability
- ☐ Improve profile to enhance turf around the bunker
- ☐ KustomBind
- ☐ New irrigation system
- ☐ 75hrs of labour per week



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Good examples of bunkers



Poor examples of bunkers



www.kustombind.com.au



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Landscape

One of the key features TP Golf see in improving both courses is having a diverse landscape in and around the golf club. Rich River has a great opportunity to create environmental sanctuaries that allows the course to fit within these landscapes
“A game with nature” Peter Thomson.

- ☐ *indigenous plants*
- ☐ *boundary planting*
- ☐ *out of play areas*
- ☐ *course entrance*
- ☐ *wetland planting*
- ☐ *backdrops to greens*
- ☐ *around tees*
- ☐ *bordering cart paths*
- ☐ *increased birdlife*



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Ensure both the **men's and ladies card** are consistent and represent the course challenges, strategy and playability.

Men

Par 3 – 250 yards (230 m) and below

Par 4 – 251–475 yards (230–435m)

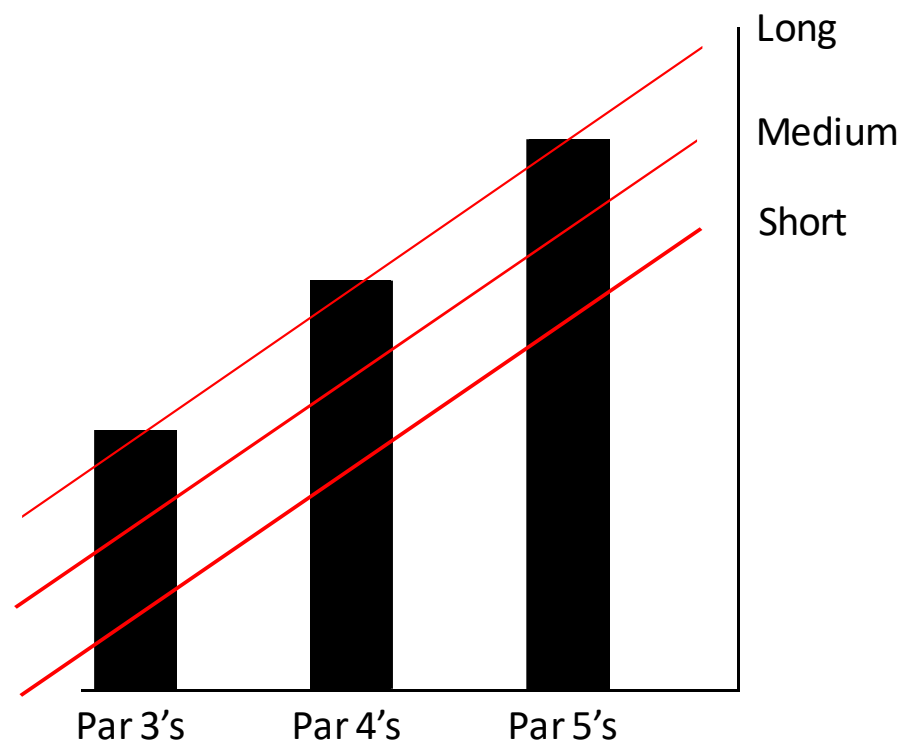
Par 5 – 476–690 yards (436–631 m)

Ladies

Par 3 – 210 yards (190 m) and below

Par 4 – 211–400 yards (193–366 m)

Par 5 – 401–575 yards (367–526 m)



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East Course Hole by Hole Comparison

Black Course/ Mens Course/ Ladies Course/ Yellow Course

Par 3's	Par 3's	Par 3's	Par 3's	Hole
135	125	110	100	16
140	135	115	85	8
170	165	150	115	13
185	175	155	125	3

Par 4's	Par 4's	Par 4's	Par 4's	
285	265	230	210	4
315	300	265	235	17
340	325	280	255	15
350	330	290	260	7
350	335	290	265	14
355	345	310	290	6
360	350	315	300	10
380	370	340	300	9
390	380	340	320	12
430	410	360	330	2

Par 5's	Par 5's	Par 5's	Par 5's	
470	460	385	350	11
505	480	415	370	1
520	495	415	380	5
535	500	440	395	18

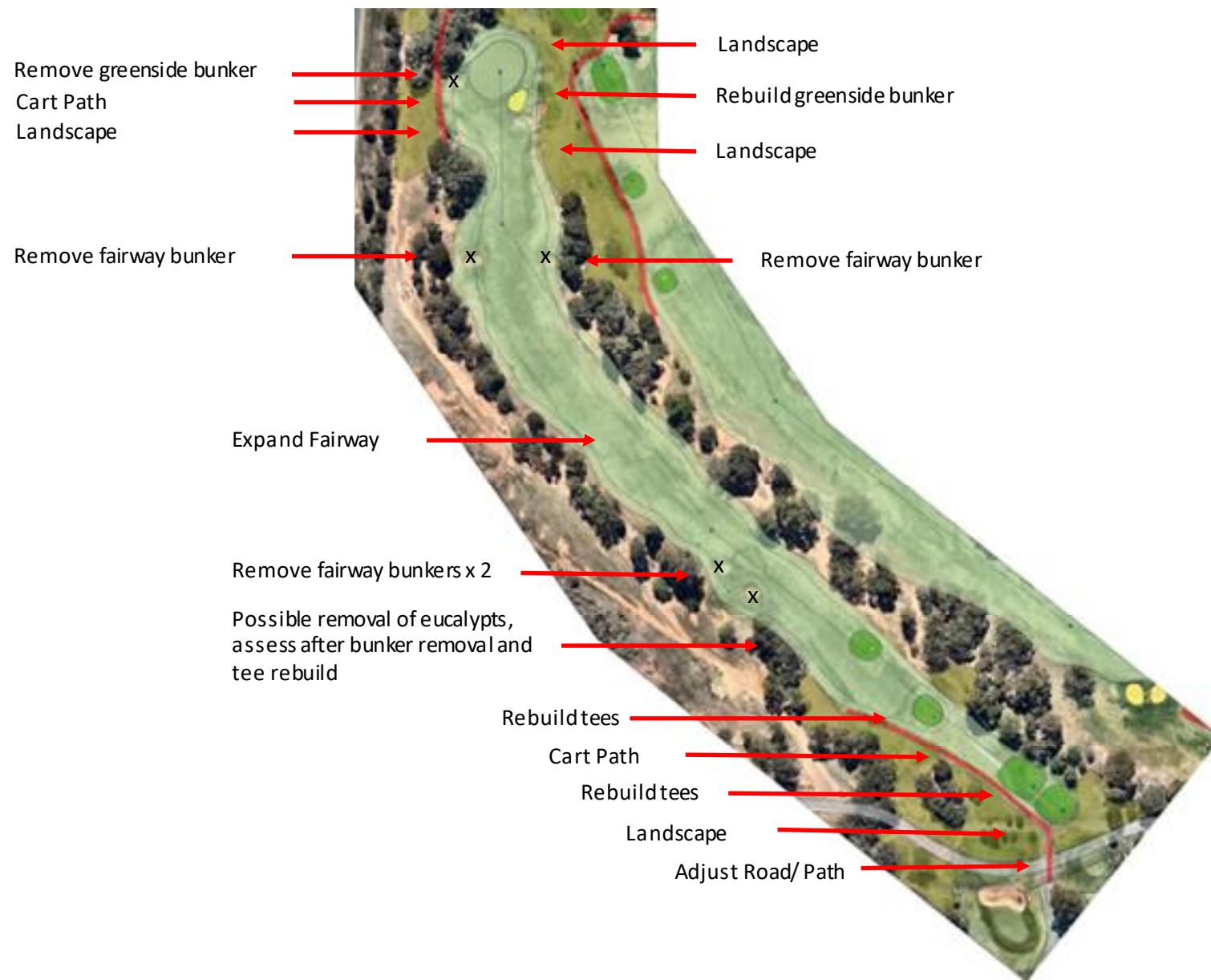


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Rich River East Course MasterPlan 2018



East Course Hole 1

505m Par 5 (B)
480m Par 5 (M)
415m Par 5 (L)
370m Par 5 (Y)

The first hole sets the scene for any round of golf. Over the last thirty years the trees that border the hole have now matured and frame the hole nicely. With selective tree editing and bunker rationalisation the first hole will still be a challenge, while allowing golfers to get started. The landing area will be enlarged however accuracy will still be required. Lowering the tees will ideally not tempt players to play down the eighteenth hole. The greenside bunker will ideally be built closer to the edge of the green and challenge players when playing to the flag.



East Course Hole 2

430m Par 4 (B)

410m Par 4 (M)

360m Par 4 (L)

330m Par 4 (Y)

New back tee and new forward tee,
modify tees where required,
Re align path, landscape

Expand/ Extend fairway

Remove fairway bunker

Modify greenside bunkers



Landscape

Link fairway

Rebuild fairway bunker

Remove greenside bunker

The longest of the par 4's at Rich River.

We plan to open this hole up by linking the second fairway with the seventeenth fairway. This will give golfers a little more room from the tee and aesthetically look a lot more appealing. The current fairway bunker on the right side of the fairway will be rebuilt, while the bunker to the left will be removed. The bunker to the right of the green will be filled and turfed - grassy hollows will fit nicely into this area. Short turf can be added behind the green linking to the next tee.



View of the existing second green and bunkers



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View of the proposed second green and bunkers



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East Course Hole 3 185m Par 3 (B) 175m Par 3 (M) 155m Par 3 (L) 125m Par 3 (Y)

A long downhill par 3, which requires a well struck shot to the green.

This hole can be improved significantly.

Lifting the left side surrounds and improving the quality of turf will enhance the hole considerably. We plan to link the turf with the fourth and tee and the back left bunker will balance the hole in better fashion.

Still a long par 3 but should be more enjoyable and aesthetically more pleasing.



Remove fairway bunkers x 2

Reshape mounding/
expand fairway



Re align cart path

Rebuild greenside bunkers x 1

Rebuild greenside bunkers x 2

Landscape

Rebuild fairway bunker x 2

Extend and expand fairway

Landscape

Build new tees x 4

Link surrounds and tees

East Course Hole 4

285m Par 4 (B)

265m Par 4 (M)

230m Par 4 (L)

210m Par 4 (Y)

After three tough opening holes a short risk/ reward par 4 is now in play. This hole has been reduced by 40m to encourage players to attack the pin and be rewarded. Some players may be able to reach the green in one blow however for the majority of golfers with accurate drivers and approaches will give themselves a chance at a birdie. Golfers who lay up will need to play close to the fairway bunkers getting the best angle into the hole. This hole should present a fun challenge to members, golfers and social players.



East Course Hole 5
520m Par 5 (B)
495m Par 5 (M)
415m Par 5 (L)
380m Par 5 (Y)

A long par5 with an opportunity to introduce an elevated back tee. The hole is quite narrow and requires at least two well struck shots prior to reaching the green. The green and surrounds have been identified to be rebuilt in time as it is one of the weaker complexes on the course. The current fairway bunkering system requires rationalisation and the fairway could be expanded giving golfers more room to wield the driver. The shot into the layup area will be more forgiving but playing near the fairway bunker will give the golfer the best approach to score well.



East Course Hole 6

355m Par 4 (B)

345m Par 4 (M)

310m Par 4 (L)

290m Par 4 (Y)

The narrow Par 4 is a tough hole. The bunkers on the right side of the fairway exaggerate the slope which sees many balls running off and into the trees in the left side rough. The fairway bunkers will be removed and the excess material will assist in balancing the fairway and giving golfers a greater chance to play from the short grass. The fairway of hole 6 and 7 will be linked while the greenside bunkers will be converted to grassy hollows. The green has an odd shape and angle and by allowing players to attack the pin either on the ground or via the aerial route will improve the hole.

Remove greenside bunkers and link surrounds to seventh tees

Remove fairway bunkers x 2

Re align back tee, modify tees where required,
Re align path



Link fairway

Landscape



East Course Hole 7
350m Par 4 (B)
330m Par 4 (M)
290m Par 4 (L)
260m Par 4 (Y)

Renovate tees where required,
 enhance with wetland grasses.

Link fairway Rebuild fairway bunker

Build greenside bunker and
 fill greenside bunkers x 3



Expand fairway,
 Possible tree removal

Minor mounding
 required

Link surrounds
 and eighth tees

Building new tees along the water's edge and playing towards the water will give this hole a better feel. Currently holes 5, 6 and 7 play very much up and back. The seventh will require an accurate shot to the edge of the water with a new greenside bunker replacing the two current bunkers. The green is very narrow and by playing close to the water will give the hole a better shape. The landing area is quite large when the fairway expands to the water's edge. Some minor fairway reshaping maybe required.



Current view of seventh green



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Proposed view of seventh green



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East Course Hole 8
140m Par 3 (B)
135m Par 3 (M)
115m Par 3 (L)
85m Par 3 (Y)



Landscape

Remove greenside bunkers
X 4 and re shape

Re shape landing area

Enlarge lake and bring into
play – clean waters edge

Current lake edge

Landscape waters edge

Possible forward tee

Landscape waters edge

Re align Cart Path

Bringing the water into play by removing the current moguls and bunkers prior to the green will be a big improvement on this hole. The green is large and when pins are placed in the right half of the green it will be a fun challenging hole. Some remodelling of the green and surrounds will be required to make everything work. The tees will require an increase in size as many players will use lofted irons. Behind the green is a large space and it would be wise to plant with shrubs and the occasional tree improving the backdrop.



Proposed view of eighth green



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Soften surrounds

New fairway bunker x 1

New fairway bunker x 1

Remove fairway bunker,
assess mounding and trees

New fairway bunker x 1

Expand lake/ link fairway

Remodel tees

East Course Hole 9

380m Par 4 (B)

370m Par 4 (M)

340m Par 4 (L)

300m Par 4 (Y)

One of the tougher driving holes on the course. Currently the fairway bunker on the inside corner of the dogleg is a little obscured from the tee and should be removed. Placing a pair of bunkers on the outside of the fairway allows us to bunker into the existing mounds and will be more visible from the tees. A sneaky bunker will be added just short of the green, this bunker will mean players have to attack this hole from the tee and get past the fairway bunkers to get the best possible angle into the green. The surrounds are quite busy and should be rationalised.





Green and Greenside Bunker

Expand lake

Fairway Bunker

Fairway Bunker

East Course Hole 10
360m Par 4 (B)
350m Par 4 (M)
315m Par 4 (L)
300m Par 4 (Y)

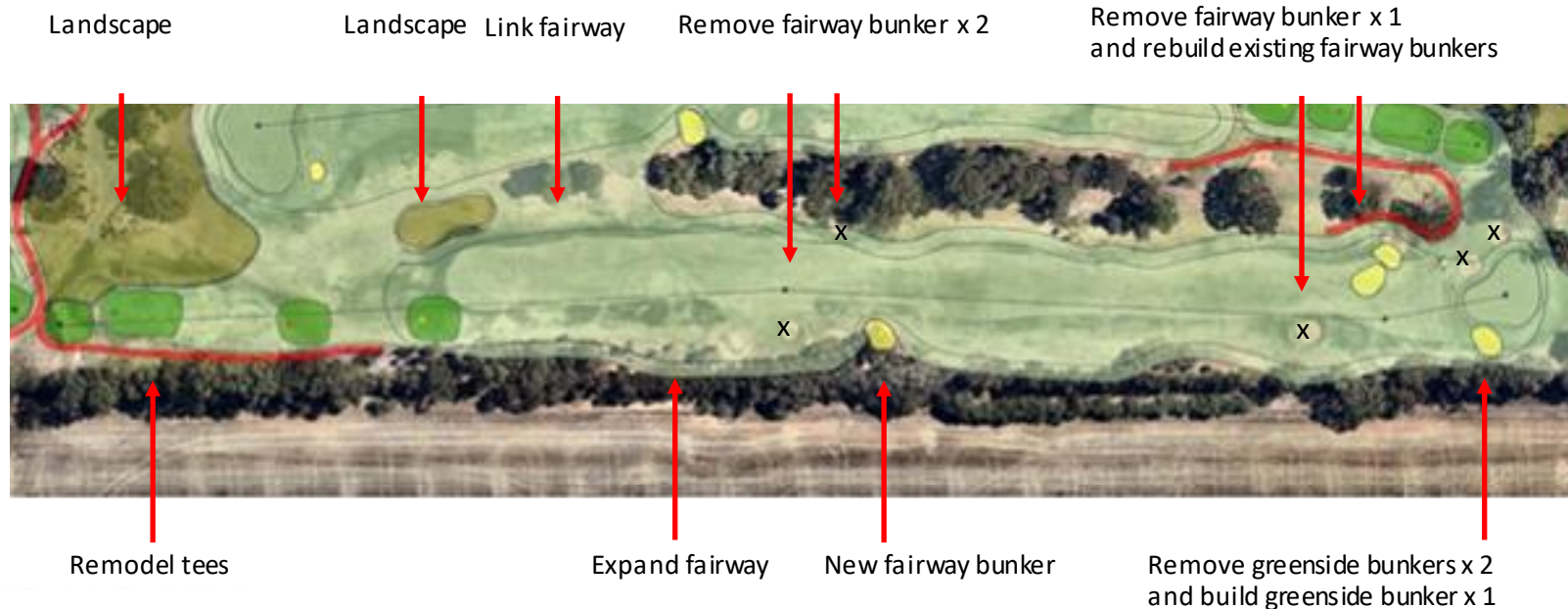
Playing from almost the same position as the current 10th tees the new tenth would use the existing land of the maintenance facility. The hole will be of similar character to the other holes on the east course and use a piece of land which would have been difficult to develop. The material excavated from the expansion of the lake will be used to help shape and build the hole.

***The maintenance facility is planned to be relocated – the current facility is ageing and quite small for today's working requirements.*



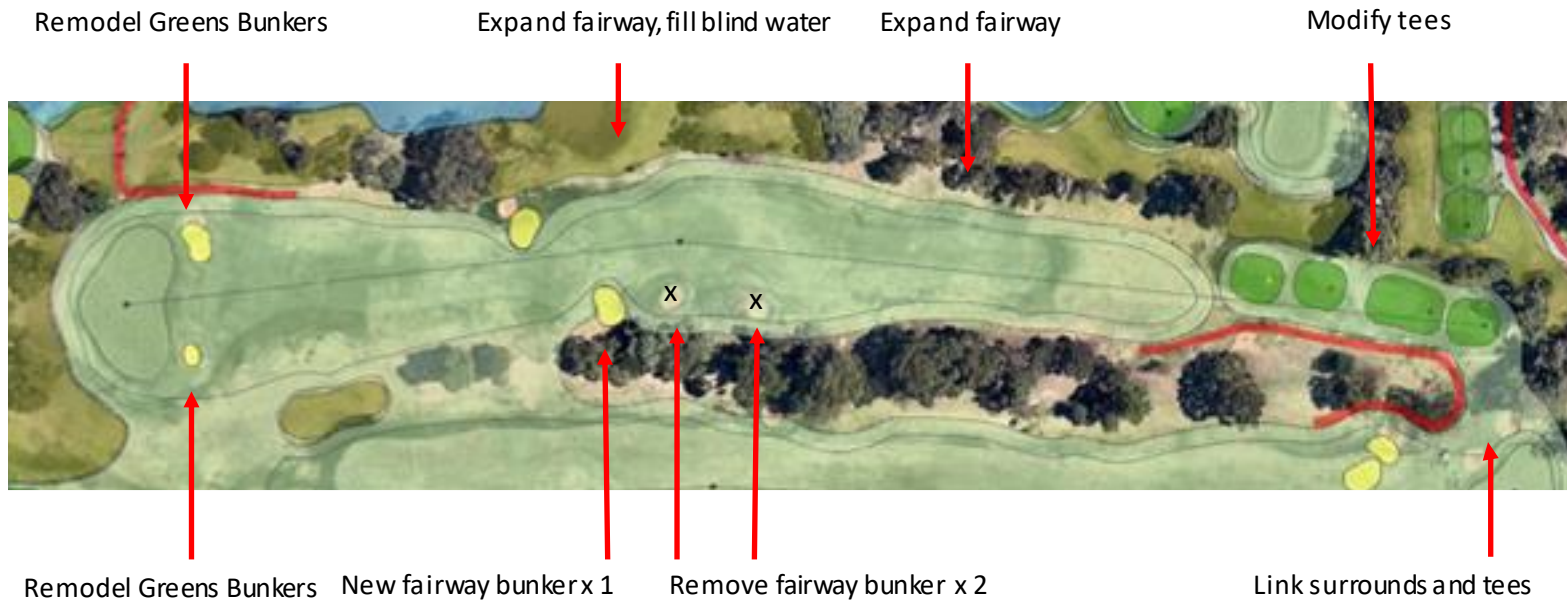
East Course Hole 11
470m Par 5 (B)
460m Par 5 (M)
385m Par 5 (L)
350m Par 5 (Y)

A medium length par 5 which will be a good scoring hole for many golfers, especially with the prevailing wind. The rationalisation of fairway bunkers will see one bunker being re instated some extra 20m further down the fairway. By altering the position of the fairway bunkers changes the strategy significantly. The fairway bunker short and right of the green will be moved to the left half of the fairway leaving a gap for players to accurately place their ball. The two bunkers short of the green will encourage players to play over them to a green that slopes from back to front.



East Course Hole 12
390m Par 4 (B)
380m Par 4 (M)
340m Par 4 (L)
320m Par 4 (Y)

Playing in the opposite direction to the eleventh hole, the twelfth is a challenging long par 4. The current fairway bunkering are a little out of place for today's bombers and hence the need to push one bunker back into the existing landform. The bunkers at the neck of the fairway will require golfers to play accurately from the tee and give themselves the best chance of playing safely to a green that rewards good shots. The green is large and has a great variety in pin placements.



Current view of twelfth green



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Proposed view of twelfth green



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Manly Golf Club



Improve surrounds

Build greenside bunker x 3

Fill blind water and
landscape/ turf

Fill water and turf/ landscape

Assess trees and shrubs

Forward tee

Bridge – ideally out of view
from tee shots

Modify tees x 4 and landscape

East Course Hole 13
170m Par 3 (B)
165m Par 3 (M)
150m Par 3 (L)
115m Par 3 (Y)

The current 13th hole has always been a tough hole and has seen a number of changes over the years. Currently the hole is very busy with water on all sides. The green is large and the undulations around the green are remnants of the original bunkers. By shortening the hole we believe the hole will be much improved and give the set of par 3's on the east course greater variety. The whole area around holes 9,10 and 13 will be much more in character with the east course once complete, with great views around the lake.



A better angle to play hole thirteen.





East Course Hole 14

350m Par 4 (B)
335m Par 4 (M)
290m Par 4 (L)
255m Par 4 (Y)

Another good hole. Bringing the water into play down the right side of the fairway will improve the hole. Increasing the fairway width will allow lesser players to stay well clear of the waters edge. Ideally the better players will be challenged hitting across the water with their second shots to a well protected green. Tees, landscape and cart path require conformation with positioning.





Enhance backdrop

Link surrounds and tees

Cart Path

Mounding landscape

Build fairway bunkers x 2

Remove fairway bunkers x 1

Build fairway bunkers x 1

Remove fairway bunkers x 3

Selected areas of water plants

Link Fairways

Forward tee

Landscape

Modify tees x 4

East Course Hole 15

340m Par 4 (B)

325m Par 4 (M)

280m Par 4 (L)

255m Par 4 (Y)

With the significant improvement in drivers and balls the first group of fairway bunkers have become obsolete in challenging the better players while frustrating golfers with less ability. Consequently the fairway bunkering will be altered to make players think from the tee. Four tees will give the hole variety and hence the staggering of fairway bunkers.

The greenside bunker has been eliminated and will convert to a grassy hollow. Golfers who play alongside the water's edge will get the best line into the green.





Mounding and landscape

Re shape surrounds

Cart Path

Enlarge lake

Current lake edge

Landscape

Modify tees x 4

Landscape

East Course Hole 16

135m Par 3 (B)

125m Par 3 (M)

110m Par 3 (L)

100m Par 3 (Y)

A short par 3 playing to a large receptive green. This hole like the thirteenth can be greatly improved. Bringing the water into play will balance the par 3's on the back nine. The water's edge is a simple and cost effective solution that will increase the challenge and enjoyment of the hole. The current arrangement surrounding the bunkers and water's edge is a little busy.



Current view of sixteenth green



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Proposed view of sixteenth green



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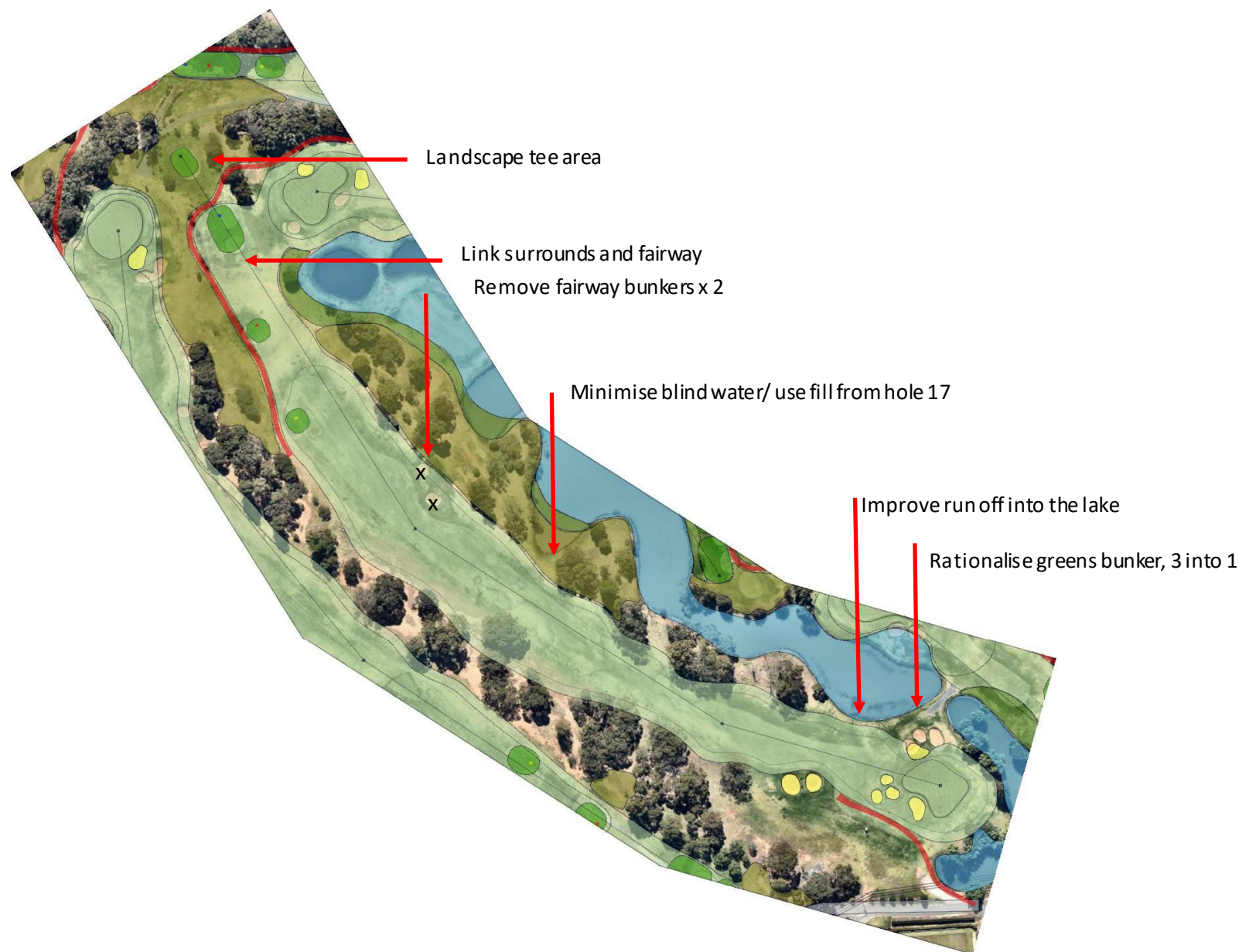


Proposed view of seventeenth hole



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East Course Hole 18

535m Par 5 (B)

500m Par 5 (M)

440m Par 5 (L)

395m Par 5 (Y)

The final hole of the east course will see golfers playing to a wider landing area free of bunkers. Accomplished players who can draw the ball will be significantly advantaged and now be tempted to play for the green in two.

All players will have a better chance to score well if the hole is played sensibly. The right hand side greenside bunkers are good examples of the bunker complexes envisaged for the rest of the course. A long par 5 that will still be tough.



East Course Score Card

	Black	Men	Ladies	Yellow	Par
1	505	480	415	370	5
2	430	410	360	330	4
3	185	175	155	125	3
4	285	265	230	210	4
5	520	495	415	380	5
6	355	345	310	290	4
7	350	330	290	260	4
8	140	135	115	85	3
9	380	370	340	300	4
O	3150	3005	2625	2350	36
10	360	350	315	300	4
11	470	460	385	350	5
12	390	380	340	320	4
13	170	165	150	115	3
14	350	335	290	265	4
15	340	325	280	255	4
16	135	125	110	100	3
17	315	300	265	235	4
18	535	500	440	395	5
In	3065	2940	2575	2335	36
O	3150	3005	2625	2350	36
T	6215	5940	5200	4685	72



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West Course Hole by Hole Comparison

Black Course/ Mens Course/ Ladies Course/ Yellow Course

Par 3's	Par 3's	Par 3's	Par 3's	Hole
140	125	115	110	4
145	140	125	100	16
175	165	140	120	8
Par 4's	Par 4's	Par 4's	Par 4's	
285	275	240	200	15
285	285	275	225	10
310	300	275	210	12
325	315	270	240	11
335	315	290	270	13
340	330	290	280	2
355	350	300	270	9
355	340	310	270	1
360	345	315	275	7
370	355	315	305	18
375	350	330	300	3
390	380	345	300	14
415	395	350	320	5
Par 5's	Par 5's	Par 5's	Par 5's	
455	440	390	360	6
480	460	405	390	17



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Rich River West Course MasterPlan 2018



New large green with complimentary hollows humps and swales around the green

Expand and extend fairway

Possible tree removal and linking of fairway

Tee complex and paths to be simplified.
Tees to link 9th green surrounds
– select trees to be kept.

West Course Hole 1

355m Par 4 (B)
340m Par 4 (M)
310m Par 4 (R)
270m Par 4 (Y)

The opening hole on the west course at Rich River will get rounds underway with little trouble. The fairway and green are bunker free. We would recommend to rebuild a new green complex that is large and receptive with a variety of pin positions. A back drop of shrubs and trees will give the opening hole a lift in stature. Linking the opening tees with the ninth green will open up the views of the course and give the feeling of a course with plenty of room to play.



West Course Hole 2

340m Par 4 (B)

330m Par 4 (M)

290m Par 4 (R)

280m Par 4 (Y)

The second hole is one that sits nicely amongst the well established trees that line the fairway. The green is quite small and difficult to maintain, our recommendation is to rebuild the second green. The green would be larger in size with a variety of pin positions and require just the one bunker. The hole has been shortened due to the potential safety issue with the eighth green.



West Course Hole 3
375m Par 4 (B)
350m Par 4 (M)
330m Par 4 (L)
300m Par 4 (Y)

After two gentle opening holes the third hole is one that will require good play to score well. Both the men's and ladies tees will play as mid/ long par 4's. The fairway has gentle undulations and the additional pair of fairway bunkers will challenge players from the tee. The bunker just forward of the green will be rebuilt and be more pronounced, the greenside bunkers will be removed.





Link fairway to next fairway

New greenside bunker x 2

Existing bunker to be converted to grassy hollows

Expand and extend fairway

Modify cart path

Landscape

Discuss tee enhancement

West Course Hole 4

140m Par 4 (B)

125m Par 4 (M)

115m Par 4 (R)

110m Par 4 (Y)

Playing to the same large green the bunkering arrangement will change significantly. This hole will give all players an opportunity to score well. The bunkers will be rebuilt to the right side of the green while the existing large bunker will be converted to a grassy hollow. The tree to the left of the green will be retained. The following photo's demonstrate that by removing one or two trees to the right of the teeing ground will open up the hole.



Current view of fourth hole

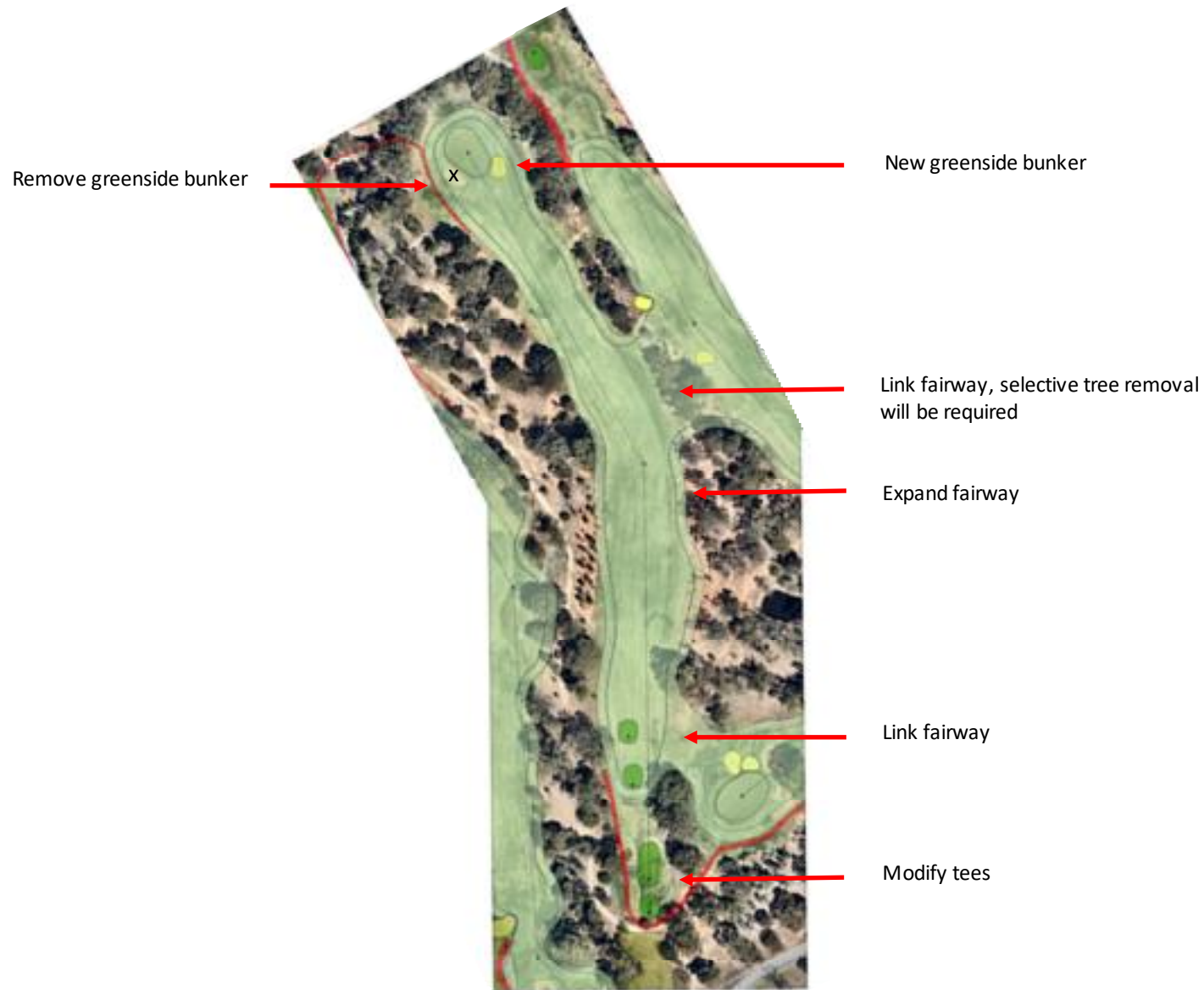


Proposed view of the fourth hole



West Course Hole 5
415m Par 4 (B)
395m Par 4 (M)
350m Par 4 (L)
320m Par 4 (Y)

A long par4 for both the men's and ladies. The tees will be modified slightly and the ladies will play this hole as a par4. The large eucalyptus tree is the cornerstone of the hole, while the landing area will be enlarged. Playing down the right side of the fairway will give the golfer plenty of room, however a new bunker will be added on the right half of the green. The bunker on the left of the green will be removed.



Current view of fifth green



Proposed view of fifth green





Landscape

New greenside bunker

New fairway bunker

Mounding/ landscape

Expand fairway, rework mounding

Expand and extend fairway

Modify tees x 4

West Course Hole 6

455m Par 5 (B)

440m Par 5 (M)

390m Par 5 (L)

360m Par 5 (Y)

The first of the Par 5's for both the men's and ladies. The tee shot requires great accuracy. Players wishing to play at the green in two will require the ability to fade the ball from the tee and draw the ball back into the green. The second landing area has a well placed bunker and will determine how aggressive shots into this area are played. Playing this hole sensibly will see players rewarded when playing to a receptive green.





Assess cart path system

Link surrounds to tees

Rework bunker and mounding

Pruning of branches may be required - assess

Expand fairway

Landscape/ Mounding

Landscape/ Mounding/ Cart Path

Modify tees x 4

West Course Hole 7

360m Par 4 (B)

345m Par 4 (M)

315m Par 4 (L)

275m Par 4 (Y)

A medium par 4 that is quite narrow but opens up at the landing area. Once on the fairway the approach to the green sets up nicely with subtle undulations and trees that over hang the fairway. In time editing of some of the trees may be required. Shots to the green can be played in a variety of ways – high lofted shots can be played while low running shots can be as equally effective. The bunker to the left requires rebuilding and additional mounding will help to minimise balls trickling down near the waters edge.





Link Surrounds and tees

Cart Path and landscape

Remove Greenside bunkers x 2

New Greenside bunker

Potential mounding/ landscape

Extend and expand fairway

Link Surrounds and tees

Modify tees x 4, landscape, cartpath

West Course Hole 8

175m Par 3 (B)

165m Par 3 (M)

140m Par 3 (L)

120m Par 3 (Y)

The current par 3 is quite narrow and does not allow the hole to reach it's potential. With some selective editing of trees the green will sit nicely amongst the humps, bumps and hollows giving golfers of all standards a chance of recovery. One bunker is planned to be added to the right half of the green. Some fill will be used to add mounding and separation between the eighth green and the second tees.





Rework path system and possible planting of shrubs to act as a backdrop to cart shed.

Link surrounds and tees

Rebuild greenside bunkers x 2

Remove greenside bunker x 1

Build new fairway bunkers x 2

Link fairway

Assess over hanging trees

Modify tees x 4

Landscape/ Mounding/ Cart Path

West Course Hole 9

355m Par 4 (B)

350m Par 4 (M)

300m Par 4 (L)

270m Par 4 (Y)

With the shortening of the second hole an opportunity to lengthen the ninth should be explored. The tee shot from the elevated tee to a receptive fairway sets up nicely, adding two fairway bunkers will give the golfer the choice whether to play aggressively or conservatively. The greenside bunkers will be rebuilt showing more teeth from the fairway. The exit from the green will be on the left side of the green and allow for a better bunker complex and to tie the turf in with the adjoining first tee.





Reconfigure Cart Path

Link fairways

Rebuild greenside bunkers x 2

Remove greenside bunker x 1

Build new fairway bunkers x 1

Expand fairway

Re shape mounding

New tee's

New tee's

West Course Hole 10

285m Par 4 (B)

285m Par 4 (M)

275m Par 4 (L)

225m Par 4 (Y)

Another riskreward short par 4. Moving the tees to in front of the clubhouse will shorten the hole and give golfers a chance to play from an elevated tee position. The hole is relatively straight forward with the preferred line of play down the right half of the fairway. The greenside bunkers will be rebuilt and hug the greens edge. Playing from the left side of the fairway will require a more precise shot to the narrow gutted green.



Remove greenside bunkers x 1



Landscape

Remove greenside bunkers x 1

Rebuild greenside bunkers x 1

New Cart Path

Build new fairway bunker

Expand fairway where achievable

Re shape fairway bunkering

Expand fairway where achievable

Link fairway

New tee's

Tee, path and landscape modifications

Modify tee's

West Course Hole 11
325m Par 4 (B)
315m Par 4 (M)
270m Par 4 (L)
240m Par 4 (Y)

A great little par 4 with plenty of options from the tee. The bunkers currently are oversized and require some rationalisation. The green is quite large and golfers can determine whether to attack the hole or play conservatively. A new bunker has been added to the left half of the fairway and playing from this area will give golfers the best angle to the pin. The back drop can be improved with appropriate planting.





West Course Hole 12

330m Par 4 (B)
320m Par 4 (M)
270m Par 4 (L)
240m Par 4 (Y)

One of the keyholes at Rich River and certainly one of the tougher holes of the West Course.

The new green will move forward into a position hugging the waters edge.

The hole will be played to the corner as it currently is but with a short shot into the green. Depending on the pin position will determine how much water to carry.

By moving the green forward we will have more room within the clubhouse precinct for a PCG, Mini Golf, 19th Hole and PPG.

These changes will be positive for the clubs future but importantly the 12th hole will be a better golf hole.



This topographic map shows a lake area with various contour lines and elevation markers. A prominent red line runs vertically on the left side, possibly indicating a boundary or a path. The map includes several contour lines with numerical values such as 94.0, 94.2, 94.4, 94.6, 94.8, 95.0, 95.2, 95.4, and 95.6. A large green area is located in the center, and a smaller yellow area is situated to its left. The lake is depicted in light blue on the right side. Elevation markers like 'WL 93.8' are present near the lake's edge. The map also features several small circles and arrows, likely indicating specific points of interest or flow directions.





Landscape will be required to improve backdrop

Rebuild greenside bunker

Expand fairway where achievable

Landscape may be required - assess

Landscape may be required - assess

Modifications to the tee and the cart path will be required

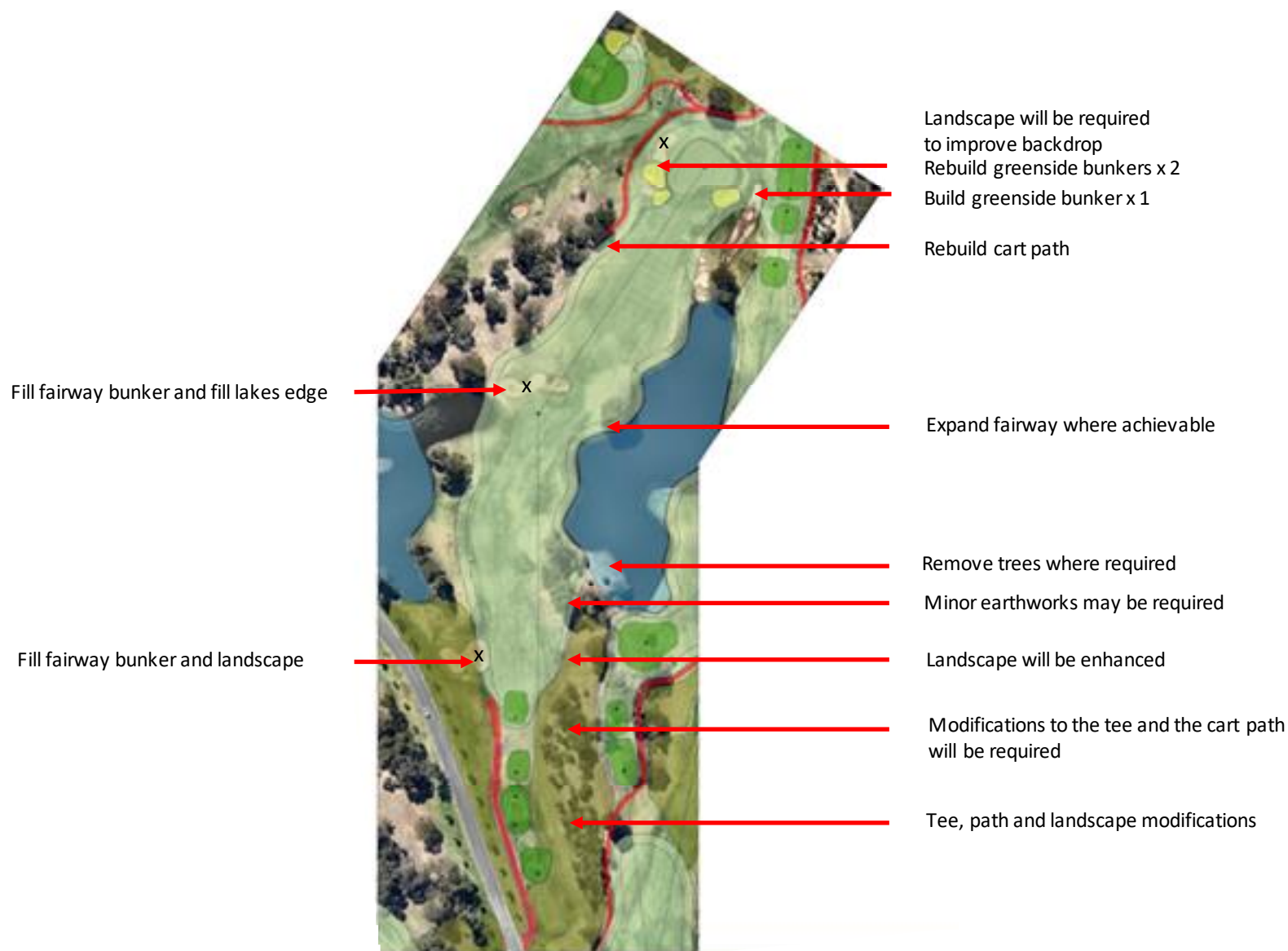
West Course Hole 13
335m Par 4 (B)
315m Par 4 (M)
290m Par 4 (L)
270m Par 4 (Y)

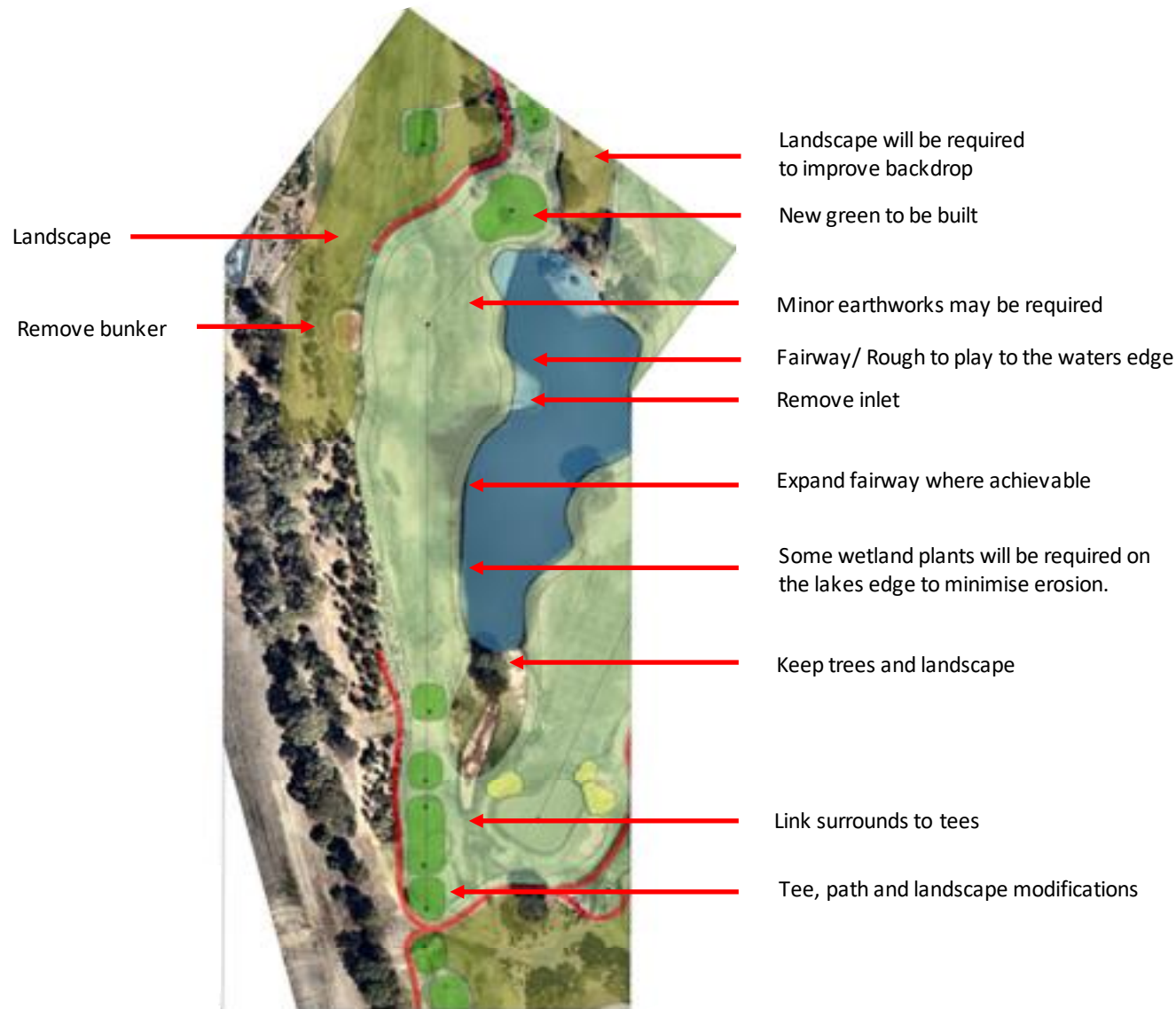
Played currently as the 14th on the west this hole will receive minor modifications. The main change will be the greenside bunker which needs better access and improved visibility from the fairway. The backdrop of the green can be enhanced with extra tree and shrub planting.



West Course Hole 14
390m Par 4 (B)
380m Par 4 (M)
345m Par 4 (L)
300m Par 4 (Y)

On completion of the new 15th green we will assess the current tees and safety parameters. Currently the water is not visible from the tees and the fairway bunkers are not in keeping with the style of the course. This hole will play as a long par 4 with the challenge of playing close to the water's edge giving golfers the best angle to the hole. Minor tree removal will be needed to open up the water's edge. The greenside bunkering will tie in with the current green complex. A good strong golf hole that will be improved.





West Course Hole 15

285m Par 4 (B)
275m Par 4 (M)
240m Par 4 (L)
200m Par 4 (Y)

The new fifteenth hole which we hope will be very popular amongst golfers whom play at Rich River. A total risk reward hole where many golfers will be tempted to drive the green. The camber of the fairway sets up nicely for a green to be positioned on the edge of the current lake system. Players who layup will be faced with a delicate pitch to the pin. Over the years many birdies/ eagles and possibly a hole in one will be scored on this bunker free short par 4.





- Landscape will be required to improve backdrop and co exist with cart path
- Greenside bunker to be rebuilt x 1
- Keep current green
- Greenside bunkers to be built x 2
- Minor adjustments to fairway
- Low growing landscape will be required between houses and golf course
- Keep as many trees as possible during tee construction
- New tee, path and landscape

West Course Hole 16

145m Par 3 (B)
140m Par 3 (M)
125m Par 3 (L)
100m Par 3 (Y)

A new hole playing to the existing 16th green.
 The green sets up nicely as a par 3 green with plenty of pin positions with a variety of play from alternate teeing grounds. The front bunkers will be built within the current landform and will be a great addition to the hole. The backdrop needs some landscaping to improve the setting required for a quality par 3.



Proposed view of sixteenth green



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West Course Hole 17
480m Par 5 (B)
460m Par 5 (M)
405m Par 5 (R)
390m Par 5 (Y)

We are back on familiar ground with the current seventeenth hole. The only Par 5 on the back nine of the west course and is quite a challenging penultimate hole. Once the fairway has been found the golfer then must decide from where is the best place to play to the green. The green is long and narrow with new bunkering positions for the hole. The current bunkers are not visible and do not use the existing landform as well as they could. The surrounds at the back of the green will link with the next tee and can be improved considerably.





**Course Review –
West Course Hole 18
370m Par 4 (B)
355m Par 4 (M)
315m Par 4 (L)
305m Par 4 (Y)**

The last at Rich River and only minor changes will occur. The tees, path and landscape require some enhancement befitting of the last hole. The tee shot is to a vast fairway, however the major challenge is playing to the two tiered green and finding the correct level. As with the first hole which is bunker less the eighteenth will follow suit with humps and hollows preferred around the green. The current bunker arrangement is a little forced and by blending in the natural landform we will get an improved finishing hole.



West Course Hole 19 145m Par 4 (M) 125m Par 4 (L)

The current thirteenth hole will make way for the new configuration of the west course.

The hole itself will not be lost and will come into play as the nineteenth hole for either the west and east courses.

Having a 19th hole gives the club great flexibility and whether by luck or good planning this hole sits perfectly for both courses.



Soften back portion of green

Rebuild greenside bunkers x 2

Cart Path

Tees to co-exist with proposed mini golf



West Course Scorecard

	Black	Mens	Ladies	Yellow	Par
1	355	340	310	270	4
2	340	330	290	280	4
3	375	350	330	300	4
4	140	125	115	110	3
5	415	395	350	320	4
6	455	440	390	360	5
7	360	345	315	275	4
8	175	165	140	120	3
9	355	350	300	270	4
O	2970	2840	2540	2305	35
10	285	285	275	225	4
11	325	315	270	240	4
12	330	320	270	240	4
13	335	315	290	270	4
14	390	380	345	300	4
15	285	275	240	200	4
16	145	140	125	100	3
17	480	460	405	390	5
18	370	355	315	305	4
In	2945	2850	2520	2285	36
O	2970	2840	2540	2305	35
T	5915	5690	5060	4590	71



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Practice Facilities, Nursery, Bowls and Croquet Club



Clubhouse Precinct 2019



Mini Golf

- ☐ Clubhouse precinct
- ☐ Area - 1500m2
- ☐ Lighting
- ☐ Murray River theme
- ☐ Landscape



Clubhouse Precinct Future Vision



Driving Range

- ☐ 300m Range
- ☐ Targets
- ☐ Lighting
- ☐ Short Game Area
- ☐ Mini Golf





Future Vision

- ☐ 300m Range
- ☐ Targets
- ☐ Lighting
- ☐ Short Game Area
- ☐ Mini Golf

The back nine of the west course would be re routed to allow for the driving range and take in two holes of the East course.

The back nine would become a par 36 with 2 par 3's and 2 par 5's.

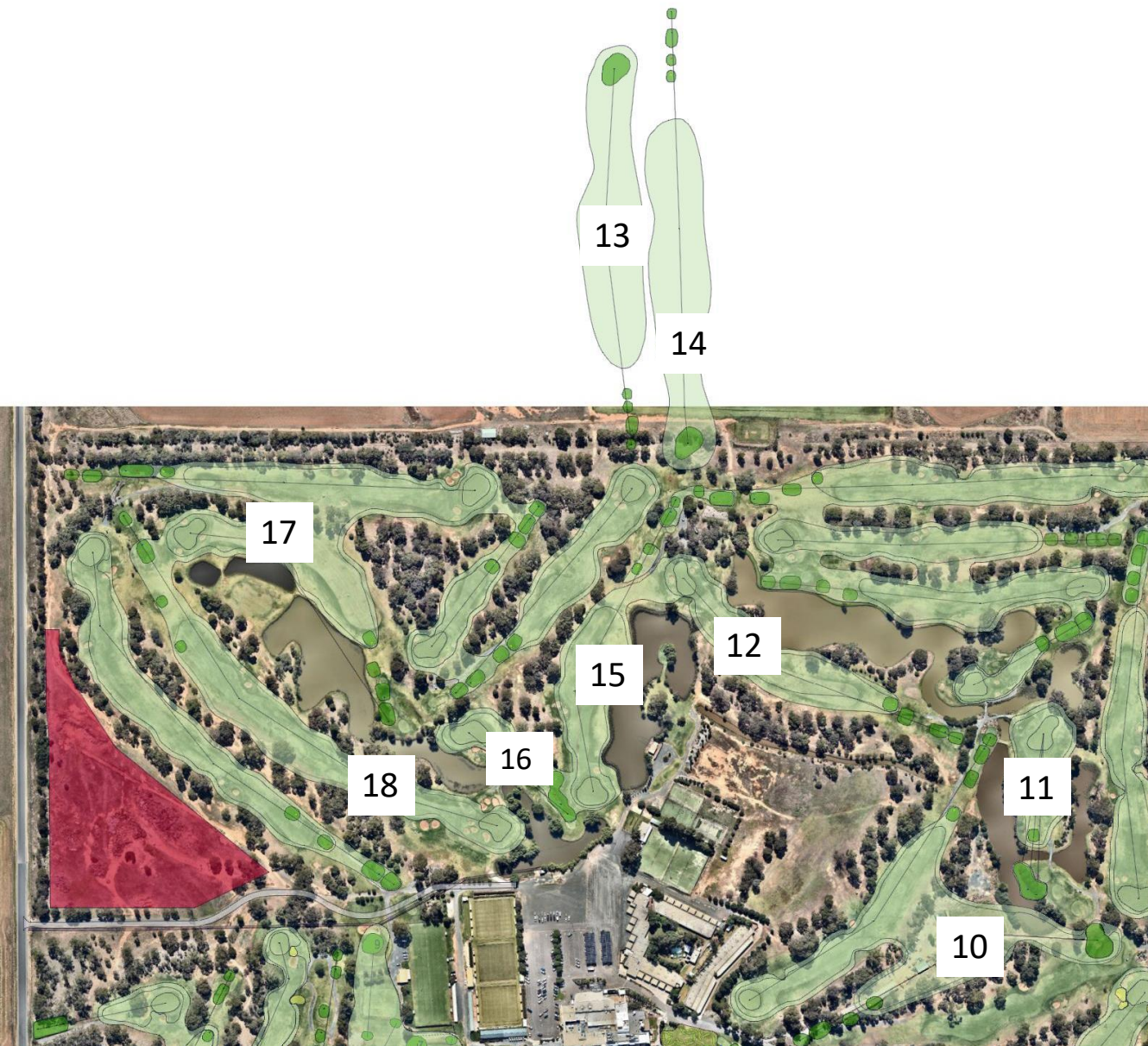
How does this effect the East course?



Future Vision

How does this effect the East course?

Two new holes would have to be built into the clubs neighbouring land. These holes would replace hole 11 and 12. Ideally these holes would be similar make up to the current holes.





Composite Course

1 – 355/ 310	4
2 – 340/ 290	4
3 – 375/ 330	4
4 – 140/ 115	3
5 – 505/ 415	5
6 – 430/ 360	4
7 – 185/ 155	3
8 – 315/ 265	4
9 – 535/ 440	5
O – 3180/ 2680	36

10- 135/ 110	3
11- 285/ 230	4
12- 520/ 415	5
13- 140/ 115	3
14- 380/ 340	4
15- 360/ 315	4
16- 285/ 240	4
17- 480/ 405	5
18- 370/ 315	4
I – 2955/ 2485	36
O- 3180/ 2680	36
T - 6135/ 5165	72





MasterPlan 2018 – Rich River



Club's Brief

1. Re establish the East Course as a **Top 100** Public access course.
2. **Retain** the East Course as a **championship course**.
3. Regenerate the West Course as a course that is **fun, playable and challenging** to golfers of all ages and standards
4. Variety of holes, especially short par 4's with **risk and reward** options.
5. Establish **'signature'** holes that are great to play and aesthetically pleasing.
6. **Review** the bunkering around the course, especially the fairway bunkers.
7. Ensure both greenside and fairway bunkers **drain well** after overnight rain or irrigation.
8. **Investigate** Driving Range options
9. Introduce **mini golf** course
10. Short game areas – **19th hole**
11. New **irrigation** system
12. **Composite Course**, the best 18 holes which can be routed between both courses



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Many Thanks.

Thank you for the opportunity to work with the Rich River Golf Club Resort.



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