

### **Project History**

- 2012: Phase 1 CIP Application Process Complete for Golf Course Master Plan
- 2012: Phase 2 CIP Application Process Complete with No Project Funding Award
- 2016/2017: Recreation Bond Efforts Including Funding for Golf Course Improvements Failed
- August 8, 2017: Council directed staff working with the Parks and Recreation Board to devise a plan that implements golf course improvements at a cost not to exceed \$4.524 million and implement it over a multi-year period.
- December 5, 2017: Council approved \$4.524 million budget for Golf Course Improvements.
   Project considerations included:
  - Reduce water usage by 25% = \$30,000 year
  - Safety netting will decrease liability at the driving range by reducing balls from reaching the golfers and citizens
  - Maintenance costs will not increase
  - The main goal of the Golf Course Project is to replace the irrigation system. All other elements to be prioritized as funding allows.
- May 2019 February 2021: Irrigation System Design & Installation (\$2.6M)

### Golf Course Improvements Status

### Established Site Development Project Priorities

- Safety Netting
- 2. Bunkers
- 3. Tees
- 4. Cart Paths
- 5. Greens
- 6. Restrooms

### Site Development Design

- October 2020 Agreement Executed
- May 13, 2021 Parks & Rec. Board Design Presentation
- June 2021 Design Complete
- July 2021 Bidding cancelled for additional discussions about the scope of the improvements

### Remaining Budget Available for Site Improvements: \$1.9M

### **Existing Range**

- 1. Length 156 to 257 yards
- 2. Poles approx. 40-50 ft. tall
- 3. Netting Inadequate range ball containment
- 4. Holes 2 & 3 close to hitting stalls
- 5. No natural grass hitting
- 6. Limited number of hitting stalls
- 7. Lack of improved target greens
- 8. Poor condition short game area green
- 9. No social connection to clubhouse patio

# GOLF COURSE ITEMS

#### HOW LONG SHOULD PARTS OF THE GOLF COURSE LAST?

ITEM	YEARS	пем	YEARS
reens (1) 15 – 30 years Cart Path		Cart Paths - concrete	15 - 30 years
Bunker Sand	5 - 7 years	Practice Range Tees	5 - 10 years
Irrigation System	10 - 30 years	Tees	15 - 20 years
Irrigation Control System	10 - 15 years	Corrugated Metal Pipes	15 – 30 years
PVC Pipe (under pressure)	10 - 30 years	Bunker Drainage Pipes (3)	5 - 10 years
Pump Station	15 - 20 years	Mulch	1 - 3 years
Cart Paths - asphalt (2)	5 - 10 years (or longer)	Grass (4)	Varies

NOTES: (1) Several factors can weigh into the decision to replace greens: accumulation of layers on the surface of the original construction, the slessre to convert to new grasses and response to changes in the game from an architectural standpoint (like the interaction between green spend and halo locations). (2) Assumes on-going maintenance beginning 1 – 2 years after installation. (3) Typically replaced because the send is being changed — vehile the machinery is there to change sand, it's often a good time to replace the drainage pipes as well. (4) As new grasses enter the marketplace — for example; those that are more drought and disease tolerant — replanting may be appropriate, depending upon the site.

Attachment D





### **Design Scenarios**

- 1. Front 9 Improvements High Safety Netting
- 2. Front 9 Improvements Expand Driving Range & Shorten Course
- 3. Front 9 Improvements Expand Driving Range & Course
- Back 9 Course & Cart Path Improvement Cost Estimate
- Restricted Flight/Low Compression Range Ball Analysis

#### **Evaluation Considerations:**

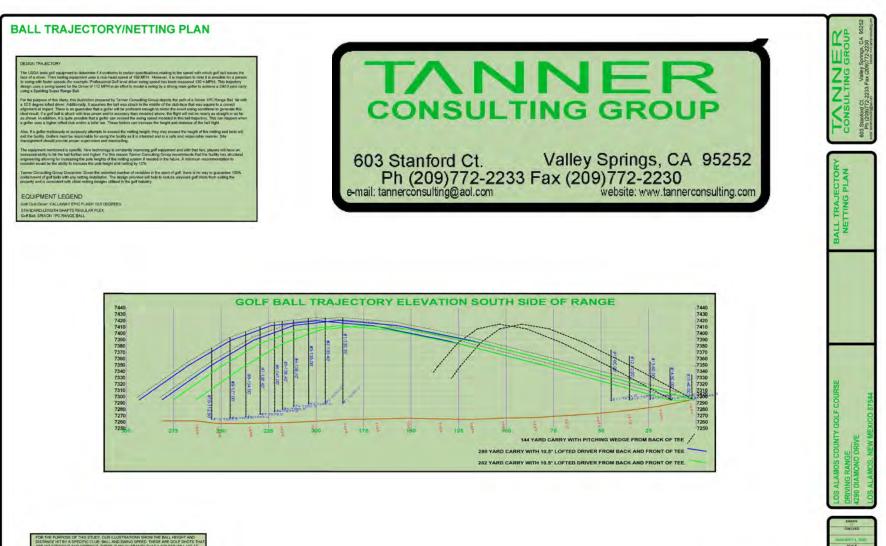
- Prior Council Direction
- Budget/Cost
- Customer Experience
- Operations & Maintenance

## Scenario #1

# Front 9 Improvements: High Safety Netting



## Range Ball Flight Study



SCALE 1°=40° 40' 0 40' 80° 120'





### Flight Study Recommendations

- 1. Rear Netting
  - 112-141 ft. x 400 ft.
  - 10 Steel Poles
- 2. Tee Deck
  - 40-80 ft. x 200 ft.
  - 5 Wood Poles

\*Study Utilized Srixon 1PC Range Ball – 80% Compression, Currently in Use





### **Scenario #1 Cost Estimate**

Design Scenario #1 - Front 9 Improvements: High Safety Netting								
	Quantity	Unit	Unit Price		Amount			
Safety Netting	1	LS	\$	922,800.00	\$	922,800.00		
Rear: 112-141 ft. x 400 ft., 10 Steel Poles								
Tee Deck: 40-80 ft. x 200 ft., 5 Wood Poles								
Driving Range Improvements	1	LS			\$	-		
Other Improvements								
Bunkers	7000	SF	\$	47.00	\$	329,000.00		
Tees	20	EA	\$	7,500.00	\$	150,000.00		
Cart Paths		SF	\$	5.00	\$	-		
Greens	9	EA	\$	5,000.00	\$	45,000.00		
Restrooms	2	EA	\$	75,000.00	\$	150,000.00		
				Subtotal	\$	1,596,800.00		
Total w/NMGRT						1,713,566.00		
Total w/Contingency						1,876,354.77		
Additional Design Costs					\$	\$ 1/10 to		
GRAND TOTAL						1,876,354.77		
Attachment D AVAILABLE PROJECT BUDGET					\$	1,887,000.00		

### Scenario #1 Highlights

- Addresses Safety
- Retains Current Course Layout
- Negative Aesthetics/View Shed Impacts
- High Initial & Maintenance Netting Cost (\$60K Every 5-7 Years)
- Limits Funding for Other Course Improvements
  - Majority of Funds for Netting
  - Bunkers, Tees & Greens Limited to Front 9 Only
  - 2 New Restrooms Included (1 Front, 1 Back 9)
  - No Cart Path Improvements
- Minimal Customer Experience Improvement

<sup>\*</sup> This Scenario is Not Recommended by Golf Course Design Professional

## Scenario #2

# Front 9 Improvements: Expand Driving Range & Shorten Course





### **Scenario #2 Cost Estimate**

	Quantity	Unit	Unit Price		Amount	
Expand Driving Range	1	LS	\$	1,238,341.96	\$	1,238,341.96
Renovated Holes 3, 4, 5, 6						
8 New Bunkers						
Other Improvements						
Bunkers	4500	SF	\$	47.00	\$	211,500.00
Tees		EA	\$	7,500.00	\$	-
Cart Paths		SF	\$	5.00	\$	-
Greens		EA	\$	5,000.00	\$	-
Restrooms	2	EA	\$	75,000.00	\$	150,000.00
				Subtotal	\$	1,599,841.96
Total w/NMGRT					\$	1,716,830.40
Total w/Contingency					\$	1,876,495.63
Additional Design Costs					\$	# E 1/1/0
GRAND TOTAL					\$	1,876,495.63
AVAILABLE PROJECT BUDGET					\$	1,887,000.00

## Scenario #2 Highlights

- Addresses Safety
  - Lengthens & Widens Driving Range
  - Provides Natural Grass Tees w/Targets
  - Includes Short Game Area
  - Additional Hitting Stalls
  - Improved Integration with Clubhouse
  - Expanded Revenue Potential
- Improved Driving Range Customer Experience
- Eliminates Netting Maintenance Costs
- Front 9 Improvements (mix of new and rehabilitated holes)
  - Four Renovated Holes
  - Eight New Bunkers
  - Additional Bunker Renovations
  - 2 New Restrooms Included
  - No Cart Path Improvements (New gravel paths for renovated holes only)
- Within Current Council Project Approval Parameters
- Shortens Course 307 yards

## Scenario #3

# Front 9 Improvements: Expand Driving Range & Course

### **Expand Driving Range**

Design professional explored alternative designs that eliminate high cost of netting but satisfied needed driving range safety improvements.





### **Scenario #3 Cost Estimate**

Design Scenario #3 - Front 9 Improv	ements: l	Expand I	Drivi	ng Range & (	Cou	rse
	Quantity	Unit	Unit Price		Amount	
Expand Course	1	LS	\$	710,000.00	\$	710,000.00
Expanded Hole 1, New Holes 2 & 3						
Tree Clearing & Earthwork						
Irrigation System						
Expand Driving Range	1	LS	\$	300,000.00	\$	300,000.00
Other Improvements						
Bunkers	5500	SF	\$	47.00	\$	258,500.00
Tees	14	EA	\$	7,500.00	\$	105,000.00
Cart Paths		SF	\$	5.00	\$	-
Greens	7	EA	\$	5,000.00	\$	35,000.00
Restrooms	2	EA	\$	75,000.00	\$	150,000.00
		•	•	Subtotal	\$	1,558,500.00
Total w/NMGRT					\$	1,672,465.31
Total w/Contingency						2,020,338.10
Additional Design Costs					\$	167,246.53
GRAND TOTAL					\$	2,187,584.63
THE VIEW AND MAN THE WAY OF THE W	AVAILABLE PROJECT BUDGET				\$	1,887,000.00
Attachment D VARIANCE				\$	300,584.63	

### Scenario #3 Highlights

- Addresses Safety
  - Lengthens & Widens Driving Range
  - Provides Natural Grass Tees w/Targets
  - Includes Short Game Area
  - Additional Hitting Stalls
  - Expanded Revenue Potential
- Improved Overall Customer Experience
- Eliminates Netting Maintenance Costs
- Lengthens Course
- Exceeds Council Authorized Project Scope and Budget
- Modifies Existing Trail
- Removal of ~100 Mature Trees
- Additional Water Use for Irrigation (~8 acres, 2.5M gallons annually, 150 sprinkler heads)
- Additional Operations & Maintenance Costs

# Back 9 Course & Cart Path Improvement Cost Estimate

Back 9 Renovations	+ Cart Pa	ths Thro	ough	out		
Other Improvements - Back 9						
Bunkers	10000	SF	\$	47.00	\$	470,000.00
Tees	25	EA	\$	7,500.00	\$	187,500.00
Cart Paths (New 8 ft. Asphalt)	160000	SF	\$	5.00	\$	800,000.00
Greens	9	EA	\$	5,000.00	\$	45,000.00
Restrooms		EA	\$	75,000.00	\$	-
Subtotal Back 9						1,502,500.00
Subtotal						1,502,500.00
Total w/NMGRT						1,612,370.31
Total w/Contingency						1,934,844.38
Additional Design Costs, 10%					\$	161,237.03
GRAND TOTAL					\$	2,096,081.41
GRAND TOTAL W/ONE YEAR ESCALATION					\$	2,221,846.29

# Restricted Flight/Low Compression Range Ball Analysis

# AWAITING TANNER REPORT

### Restricted Flight Ball Pros & Cons

- + Addresses Safety
- + Maintains Existing Course Layout
- + Provides more funds to apply to renovation existing tee boxes, bunker renovations, and drill and fill application to greens.
- Diminishes Driving Range Customer Experience
- Driving Range Becomes a Warm-Up Range
- Limits Driving Range Teaching Capabilities and for Game Improvement Practice
- Increased Cost of Restricted Flight Balls
- Unknown Ball Durability/Replacement Cycle

### Design Scenario Summary

- 1. Front 9 Improvements High Safety Netting
  - Within Current Budget
  - Accommodates Front 9 Course Renovations (excludes cart paths)
  - Not recommended by design consultant (negative visual and customer experience)
- 2. Front 9 Improvements Expand Driving Range & Shorten Course
  - Within Current Budget
  - Accommodates Front 9 Course Renovations (excludes cart paths)
  - Not supported by LAGA
- 3. Front 9 Improvements Expand Driving Range & Course
  - Accommodates Front 9 Renovations
  - Requires PRB & Council Approval of Course Expansion
  - Requires Council Budget Authorization of Additional ~\$300K
  - Requires Council Budget Authorization of Additional Ongoing Operational Costs

\*Adding Back 9 course renovations plus cart path improvements would require an additional \$2.5M added to the current capital project budget subject to final bid costs received.

