

# ***Headquarters U.S. Air Force***

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*Integrity - Service - Excellence*

## **Buckley AFB, CO Golf Course Feasibility Study & Concept Plan**

**Bill Bushman  
AFCEE/ECE**



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# *Project Tasking*

- **Determine the feasibility of an 18-hole golf course with all supporting facilities**
  - Clubhouse
  - Cart storage
  - Maintenance complex
  - Putting green
  - Practice area
  - Driving range
- **Provide concept plan(s) for the potential layout of course and supporting facilities**



- **Site Visit**
  - **Confirm customer requirements**
  - **Collect data**
  - **Conduct interviews**
  - **Perform site analysis**
  - **Identify key issues**
    - **Prairie dogs/burrowing owls**
    - **Landfills (IRP sites)**
    - **Water supply**
- **Design studies**
  - **Compile concept plan(s)**



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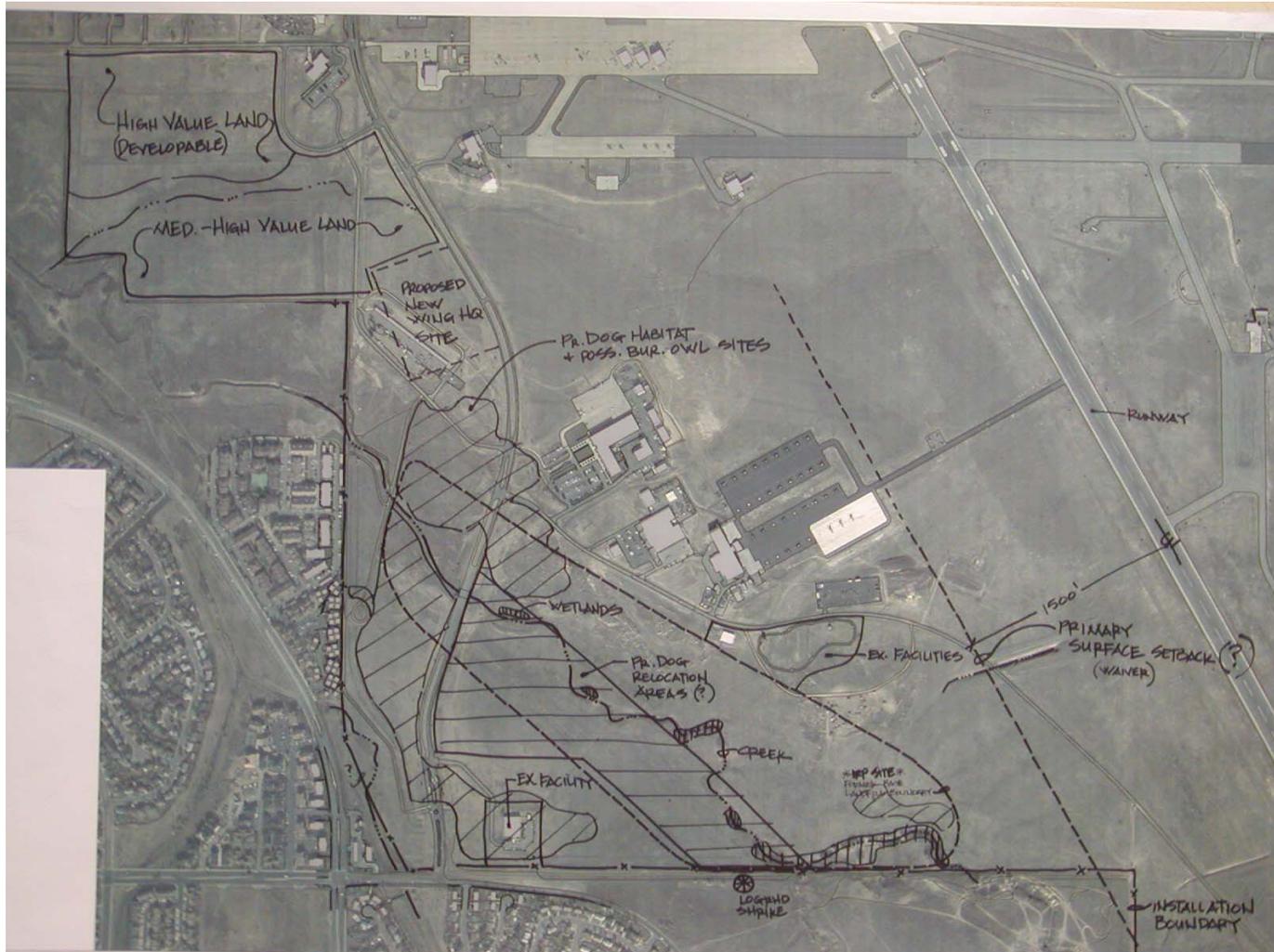
# ***Opportunities & Constraints***

- **Opportunities**
  - Use installation property that may be largely unusable for other uses
  - Use state-of-the-art design, construction, management methodology to minimize potential environmental impacts
- **Constraints**
  - Prairie dogs/burrowing owls/loggerhead shrikes
  - Landfills (IRP sites)
  - Wetlands/floodplains
  - Proposed facility & airfield construction
  - Lack of identified long term water supply



# Opportunities & Constraints Map

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# Alternative A







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# Alternative B





## ■ Advantages

- Both nines start & finish near new Multi-Use Complex which will overlook entire golf course
- No conflicts with proposed taxiway

## ■ Disadvantages

- Wing HQ is not within walking distance
- Uses scarce & valuable land near proposed Wing HQ for the golf course

## ■ The Card

Alternative B																						
Hole	1	2	3	4	5	6	7	8	9	Out	10	11	12	13	14	15	16	17	18	In	Total	
Par	5	4	4	4	3	4	3	4	5	36	5	4	4	3	5	3	4	4	4	36	72	
Middle Tee	510	425	370	460	170	435	120	435	520	3445	585	400	390	240	520	140	465	405	385	3530	6975	





## ■ Advantages

- Locates Multi-Use Complex & practice area within walking distance of proposed Wing HQ
- No conflicts with proposed taxiway

## ■ Disadvantages

- Only #1 starts & #18 finishes near Multi-Use Complex (9 holes can be done by playing 1-7 and then 17 & 18)
- Uses scarce & valuable land near proposed Wing HQ for the golf course

## ■ The Card

Alternative C																							
Hole	1	2	3	4	5	6	7	8	9	Out	10	11	12	13	14	15	16	17	18	In	Total		
Par	5	3	5	3	4	4	4	4	4	36	4	4	3	4	3	3	5	5	4	36	72		
Middle Tee	520	140	525	170	400	415	385	490	425	3470	370	460	170	435	120	435	520	585	420	3515	6985		



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# Alternative D





## ■ Advantages

- Operates from a stand alone clubhouse with practice areas
- No conflicts with proposed taxiway
- Does not use scarce & valuable land near proposed Wing HQ for the golf course

## ■ Disadvantages

- Starting holes are not nearby new Wing HQ or Multi-Use Complex

## ■ The Card

Alternative D																						
Hole	1	2	3	4	5	6	7	8	9	Out	10	11	12	13	14	15	16	17	18	In	Total	
Par	5	3	4	5	4	4	3	4	4	36	4	3	4	4	4	3	5	4	4	35	71	
Middle Tee	510	205	400	500	395	470	190	450	485	3605	380	175	420	304	375	170	525	400	415	3165	6770	



- **Review, critique, and potentially adopt one of the four alternatives as the official installation action plan**
- **What's next? Implement!**
  - **Integrate into General Plan**
  - **Pursue adequate long-term recycled water supply from city of Aurora**
  - **Resolve environmental issues**
  - **Initiate funds acquisition process**



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# *Further Assistance*

- **AFCEE's Golf Support Unit**
  - **Facilitate compilation of environmental impact analysis document**
  - **Acquire & manage golf course architectural services**
  - **Acquire & manage golf course construction, grow-in, golf course maintenance plan, & environmental management**
  
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