The Town of Taos Alexander Gusdorf Eco-Park

FIFA-Regulation Tournament Fields

Engaging High-Desert Mountain Environment

Beyond LEED-Efficient Sports Park

Where will you practice in 2010?

Presented by: The Town of Taos: Community & Economic Development Board, Parks & Recreation Advisory Board | Taos Sports Alliance

ARCHITECTS

L I V I N G | Designs Group

ARCHITECTS
Available Tournament Location
- Fields can accommodate all age groups of soccer, lacrosse, and football
- The Eco-Park will be a sustainable energy site for recreation and education
- Within 1-day drive of most major Southwest Cities

Perfect Training Climate
- High-Altitude Training at 6,969 FT
- 10 Month Playing Season
- 300+ Sunny Days/Year
- Mild Summers with August Temps of High 70’s to Low 80’s
- Low Humidity Year-Round
- Year-Round Cross-Training Activities
- Unique & Beautiful High-Desert Setting

World-Class FIFA Fields
- 3 All-Condition Fields
- Evening/Night Play With Solar-Powered Field Lighting
- North-South Field Orientation
- Bathroom and Locker Facilities
- Initial Stadium Seating Capacity 1500 persons

Come Play at Salazar: Your High-Altitude Sports Destination
Come Play in Taos: Your High-Altitude Sports and Recreation Destination

...discover why New Mexico is hailed as The Land of Enchantment. Be awed in the Gorge, challenged at the Ski Valley, rejuvenated by the ancient and alternative therapies practiced within our diverse culture. Isolated yet accessible, complete with five-star accommodations and award-winning cuisine, you can experience Taos within a day’s drive of any major Southwest city, from a flight to Albuquerque, or from a flight to our local municipal airport.

If practice at 7,000 feet above sea level isn’t enough to take your breath away...

View from Site:
Looking North-East Toward the Sangre de Cristo Mountains

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Experimental, noiseless wind turbines featured around championship field will determine the feasibility of & be available for future wind power generation.*

Solar-Shaded Parking
Canvas-shaded Parking with integrated PV panels will keep cars cool while increasing the potential for energy capture.

Photovoltaics
will be utilized in a roof-top array and a viewable on-ground array to provide electricity for an annual net-zero energy exchange, benefiting the park & the greater community.*

Incidental Learning
will occur as the Eco-Park’s energy & water systems are demonstrated at interactive play stations located throughout the park.

* The issues of safety and security for wind generation & photovoltaics will be addressed through recommendation of the manufacturers.
Permeable Paving reduces run-off by permitting natural seepage. Harmful pollutants are filtered from the water before returning to the groundwater.

Xeriscaping utilizes natural vegetation requiring little-to-no supplemental irrigation, thereby conserving the water supply, a critical concern in a desert climate.

Stabilized Soil as strong as asphalt but made from on-site earth, stabilized soil reduces the amount of foreign material introduced to the site. By reflecting more thermal radiation than asphalt, it also stays cooler. Stabilized soil will be utilized for parking lot & meandering pedestrian pathways.

Underground Water Tanks can annually store 2 million gallons of rainwater harvested as run-off from the soccer fields. This water will supply bathroom facilities and the landscape.

Native Vegetation will be highlighted with Interpretive Signage.

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Alexander Gusdorf Eco-Park
Master Plan | Site Plan

- Main Entry &
- Mass Transit Drop-Off w/ Monumental Signage
- Solar-Shaded Parking (50 Spots)
- Salazar Rd
- Lighted Championship Stadium
- FIFA Regulation (240' x 360') All-Condition Turfed Fields
- Bleachers
- Concessions, Restrooms, Locker Rooms & Storage
- Playground Area
- Tennis Courts
- Permeable-Paved Parking
- Pedestrian Fitness Trail
- Juniper & Pine Wind-Break
- Solar Array
- 10,000 Gal Cistern
- St. Francis Rd
- Bicycle Parking

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LIVING Designs Group Architects
### Task Name

#### Lease Approval & Execution

- **Duration:** 5 wks
- **Start:** Thu 3/12/09
- **Finish:** Wed 4/15/09

#### Master Plan

- **Duration:** 2 wks
- **Start:** Fri 2/20/09
- **Finish:** Tue 3/3/09

#### Civil Design

- **Duration:** 9 wks
- **Start:** Mon 6/1/09
- **Finish:** Fri 7/31/09

#### Gathering Civil Data

- **Duration:** 17 wks
- **Start:** Mon 4/6/09
- **Finish:** Fri 7/31/09

#### Final Presentation

- **Duration:** 0 wks
- **Start:** Mon 4/6/09
- **Finish:** Mon 4/6/09

#### Construction Document Production

- **Duration:** 13 wks
- **Start:** Mon 6/1/09
- **Finish:** Fri 8/28/09

#### Construction Document Completion

- **Duration:** 0 wks
- **Start:** Fri 8/28/09
- **Finish:** Fri 8/28/09

#### Construction Bid Process

- **Duration:** 6 wks
- **Start:** Mon 8/31/09
- **Finish:** Fri 10/9/09

#### Groundbreaking Ceremony

- **Duration:** 0 wks
- **Start:** Fri 10/23/09
- **Finish:** Fri 10/23/09

#### Field 2 Opening Ceremony

- **Duration:** 0 wks
- **Start:** Fri 10/8/10
- **Finish:** Fri 10/8/10

#### Phase 3 Construction

- **Duration:** 25 wks?
- **Start:** Mon 10/11/10
- **Finish:** Fri 4/1/11

#### Park Completion Ceremony

- **Duration:** 0 wks
- **Start:** Fri 4/1/11
- **Finish:** Fri 4/1/11
## Alexander Gusdorf Eco-Park
### Master Plan | Engineering

**Preliminary Engineer Estimate* - Complete Project**

<table>
<thead>
<tr>
<th>ITEM NO.</th>
<th>DESCRIPTION</th>
<th>QTY.</th>
<th>UNIT</th>
<th>UNIT PRICE</th>
<th>TOTAL</th>
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*Current survey data for topography & existing conditions not yet obtained. Estimates based on historical data.

**Updated 17 April 2009**  

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# Preliminary Engineer Estimate* - Phase I

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**ITEM SUBTOTAL** $2,272,550.00  
**10% CONTINGENCY** $227,255.00  
**ESTIMATE SUBTOTAL** $2,499,805.00  
**NMGRT @ 7.9375%** $198,422.02  
**PHASE I TOTAL ESTIMATE** $2,698,227.02

*Current survey data for topography & existing conditions not yet obtained. Estimates based on historical data.*
Additional Information

Obtaining additional usage information will have significant impacts on the design and cost of Taos Eco-Park electrical systems. Aspects such as parking lot lighting levels, time-of-day lighting shut-off, Concession and locker room design and solar system design can all be tailored to work most efficiently with the expected use of the facility. It is our goal to provide a working, conscientious design employing renewable systems at a cost not excessive for intended use.

Certain information will be particularly useful for our master plan design. If available, we request from you the following:

- Record of monthly electrical costs from similar athletic fields with night lighting
- Record of monthly electrical costs for concession, locker room, and maintenance buildings from similar athletic parks
- Usage statistics for similar athletic field support facilities which may be represented as the following
  - # of days facilities were unlocked
  - # of days with scheduled events
  - Typical days and hours of facility use
- Types of Equipment required for concessions
- Size information of similar facilities such as floor area, number of showers, stalls, lockers

Athletic Field Lighting
- Luminare design to reduce light spill and light pollution
- Eight poles with forward throw lighting to reduce glare
- Balanced-spectrum lighting (reds and blues instead of only blues)
- Very low maintenance
  - Softlighting: 12 yr lamplife, no realignment, $11,000 savings in 12-yr cycle
  - MUSCO: 25yr warranty includes lamps, realignment & maintenance

Parking Lot & Grounds Lighting
- Provided at all parking lots, pathways and main plaza
- Full cut-off for dark skies
- Full level lighting during events
- Lower (safety) levels at other use times

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Landscape
Plan
• modeled on local, natural plant mosaics
• ‘plant islands’ w/in pathing and/or water delivery systems
• respond to site conditions
  - sun exposure
  - south/southeast winds
  - heat from non-permeable surfaces

Plant Materials
• low-water-use and low-maintenance
• largely native but including xeric plants appropriate to site needs
• fast growing windbreaks
• fast growing shade
  - counteracts heat from non-permeable surfaces by creating cooler microclimates
  - sun protection

Rainwater Harvesting & Delivery
• ditches or ‘dry streambeds’ to distribute water to landscape
• detention basins to detain water for plant use
• wick under permeable paving to harvest rainwater and slowly release to adjacent plant material
• use of organic mulches to retain water
• cisterns & drip irrigation as an efficient way to establish plant material and for supplemental use in times of drought

Hardscape (exclusive of fields)
Paving
• local materials
• permeable
• organic layouts

Play Areas
Amenities
• shade by trees and structures
• seating for parents – recycled materials
• drinking fountains

Play Structures
• newest technologies
• highest safety standards
• recycled materials
• ISO 14001 certified
• manufacturer committed to environmental stewardship
• lowest carbon footprint
• durable materials
• recycled play surfacing

Interpretive Opportunities
Native & Xeric Plant Material
• low-water use and low-maintenance alternatives to more conventional landscaping choices

Rainwater Harvesting & Delivery Methods
• alternative to using drinking water on the landscape
• efficient and sustainable irrigation methods
• organic mulches to retain water

Wildlife Habitat
• importance of beneficial insects and birds to the environment
• Community Wildlife Habitat certification from the National Wildlife Federation
• post interpretive signage in the landscape to educate about the importance of wildlife habitat within the community
• demonstrate traditional/cultural uses of native plants