

White Mountain Wildlife and Nature Center, Inc.

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VISITOR/PROGRAM CENTER DESIGN CONCEPTS

December 1, 2008

INTEGRATION WITH MASTER SITE PLAN

The location and construction of a Nature Center visitor/program center must be appropriately integrated with all elements of the Master Site Plan for the 10 acres under Nature Center control, including associated road access, parking, landscaping, trails, pavilions, and other elements and done in an environmentally sensitive manner.

BUILDING STYLE

- Utilize a cost-effective style of construction similar to that prevalent in the White Mountains area emphasizing use of wood and other natural materials (e.g., rock), combining elements of various styles including log cabin, timber frame, and chalet, etc.
- Utilize a highly flexible and modular building design such that the building can be readily expanded while maintaining its functional integrity and attractiveness.
- The visitor/program center must be fully barrier-free accessible and compliant with the Americans with Disabilities Act (ADA).

VISITOR/PROGRAM CENTER PRIORITY COMPONENTS

Our first phase should be approximately 3,250 ft², with the following approximate allocation:

- | | | |
|---|-----|--------------------------|
| • Display/interpretation area(s) | 38% | (1,250 ft ²) |
| • Gift and book shop (library) | 7% | (250 ft ²) |
| • Classroom/lab facilities with partition (for up to 25 people) | 15% | (500 ft ²) |
| • Office space (3 offices)* | 12% | (400 ft ²) |
| • Volunteer lounge with kitchen and storage facilities | 7% | (250 ft ²) |
| • Restrooms, utilities, mechanical (furnace, electrical, etc.) | 21% | (700 ft ²) |

*Depending on no. of renters (e.g., The Nature Conservancy, U of A Extension, USF&WS, etc.)

Dedicated to connecting people with wildlife and nature through educational experiences that inspire appreciation, responsibility, and respect for the natural world we share.

INTEGRATION OF “GREEN BUILDING” TECHNOLOGY

- Use the visitor center to demonstrate applications of readily applied (e.g., and this readily accepted) green building technologies and principles, embodying Leadership in Energy and Environmental Design (LEED) principles; emphasize not only “building green” but promoting sustainable green building principles throughout the White Mountain region.
- Green Building elements include:
 - ✓ Proper site selection (avoid sensitive habitats, maximize solar interception, etc.)
 - ✓ Use of environmentally-friendly sustainable materials (e.g., certified lumber)
 - ✓ Use of energy efficient building materials
 - Low E windows
 - Prefabricated foam-core stress panels
 - ✓ Solar panels for alternative power generation
 - ✓ Solar water heater
 - ✓ Pellet furnace for heating
 - ✓ Storm water harvesting system for landscape irrigation
 - ✓ Attached greenhouse
 - ✓ Natural lighting of interior
 - ✓ Low water toilets
- Integrate all green building elements such that they are readily visible to visitors to demonstrate and interpret their application and utility
- Cooperate with the Kerr-Cole Sustainable Living Center on integrating green building elements and interpretation into the visitor center
- Cooperate with green building vendors on obtaining materials at reduced cost in lieu of public demonstration and interpretation using their products

INTEGRATION OF EDUCATIONAL PROGRAMS IN CONSTRUCTION

- Pursue cooperative venture with the Northland Pioneer College (NPC) Carpentry Skills Program and the Northern Arizona Vocational Institute of Technology (NAVIT) and Blue Ridge Unified School District Career Technical Education (CTE) carpentry skills programs.
 - ✓ Gain “buy in” and interest from the future leaders in our community
 - ✓ Obtain cost-effective means to build visitor center, including student labor and reduced cost on building materials

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- ✓ Generates community interest in and commitment to the Nature Center
- Integrate green building techniques and applications into learning modules/classes at NPC and NAVIT/CTE
- Integrate green building techniques and applications into public workshops and weekend workdays

PUSUE COOPERATIVE VENTURES WITH UTILITY PROVIDERS

- Cooperate with Navapache Electric Cooperative on alternative energy programs including solar power generation
- Seek reduced utility hookup fees consistent with our non-profit organization status from each of these companies:
 - ✓ Navapache Electric Cooperative for electric hookup
 - ✓ Arizona Water Co. for water hookup
 - ✓ Pinetop-Lakeside Sanitary District for sewer hookup