PANGEA DESIGN | BUILD

Executive Summary for the [community name] Community Proposal

The proposed [community name] Community represents a groundbreaking sustainable development in Taos County, designed to showcase off-grid living, environmental stewardship, and cultural integration. Adjacent to the historic Taos Pueblo, this community serves as a beacon of modern ecological living, rooted in the rich heritage and traditions of the Tiwa people. Spearheaded by Pangea Biotecture, this initiative integrates innovative design, renewable energy, and community-centric services to create an unparalleled living experience. **Affordable housing is the cornerstone of this development, ensuring accessibility for local residents while fostering a thriving, inclusive community.**

Key Features and Benefits

Community Arts & Cultural Center

At the core of the development is a vibrant Community Arts & Cultural Center, serving as an embassy for the Tiwa Native Americans. This space celebrates Tiwa heritage, fosters cultural exchange, and supports community gatherings with the philosophy that "Art is Healing." Revenue-sharing initiatives with Taos Pueblo ensure economic collaboration, while immersive visitor experiences highlight Tiwa traditions and values.

Sustainable Infrastructure

The [community name] Community prioritizes off-grid living through:

- **Renewable Energy:** Solar power, micro-hydro systems, and wind modules ensure energy self-sufficiency.
- **Water Management:** Rainwater harvesting, greywater, and blackwater botanical cells provide sustainable water solutions without groundwater contamination.
- **Passive Climate Control:** Buildings leverage passive solar and thermal dynamics for heating and cooling.
- **Eco-Friendly Design:** Minimal night lighting reduces light pollution, maintaining harmony with the Taos Pueblo view-shed.
- **Waste Management:** Comprehensive trash, recycling, and compost services promote a circular economy.

Integrated Food Production

Sustainable food systems include Earthship Walipinis and small-scale organic farms, governed by permaculture principles. Food production supports:

- Community residents and restaurants.
- Taos Pueblo through direct supply and revenue sharing.
- CSA (Community Supported Agriculture) programs.
- Animal synergy practices for holistic farm management.

Community Residential Home Packages

Residents will enjoy a suite of modern amenities and services, including:

- **Affordable Housing:** The community is committed to providing accessible, cost-effective living solutions for local families.
- **Education:** Schools teaching holistic and sustainable living practices.
- **Health Services:** A medical and spa center offering acupuncture, chiropractic care, physical therapy, and Native American traditional healing.
- **Room Service and Smart Homes:** Convenient and connected living solutions.
- **Housekeeping & Maintenance:** Comprehensive home, greenhouse, and landscaping care.

Tourism and Economic Development

Two sustainably operated hotels will enhance local tourism, offering:

- Close access to Taos Ski Valley and Taos Pueblo experiences.
- Immersive eco-tourism through animal synergy and sustainable food practices.
- Waste vegetable oil recycling to produce biodiesel for local residents and businesses.

Recreation and Community Engagement

Facilities and experiences include:

- An amphitheater for events and movies.
- Sports courts, fields, ice-skating, horseback riding, and a natural swimming pool.
- A petting zoo, naturalist excursions, and a wellness-focused spa.

Senior Living

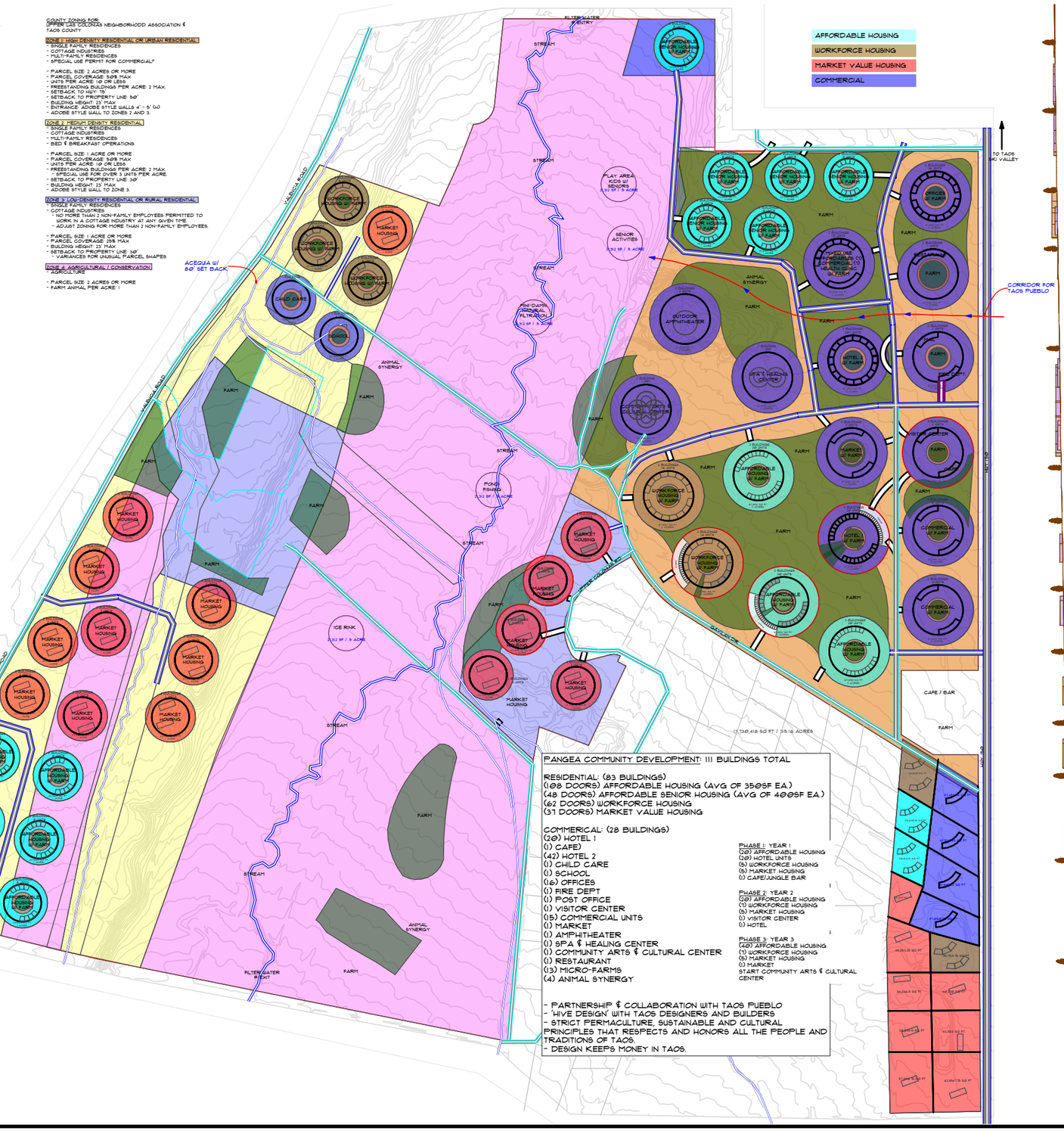
Affordable assisted and unassisted senior housing options encourage multigenerational living and integrate elder care into the fabric of the community.

Collaborations and Partnerships

- **Taos Pueblo Partnership:** Collaborative initiatives with the Tiwa community for cultural preservation and shared economic benefits.
- **UNM-Taos Partnership:** Joint research on food production, animal synergy, and field studies to advance sustainable practices.
- **Local Artisans and Builders:** Community involvement in design and construction.

Vision for the Future

The [community name] Community is a forward-thinking, sustainable development that champions ecological responsibility, cultural preservation, and community wellness. By blending innovative biotecture with the profound wisdom of the Tiwa people, this project aims to set a new standard for harmonious living, benefiting current and future generations in Taos County and beyond. **With affordable housing as its top priority, this community ensures that sustainability is accessible to all.**



ARCHICAD EDUCATION VERSION

SUSTAINABLE, OFF-GRID
CATCHWATER, GREYWATER, BLACKWATER, SOLAR POWER,
PASSIVE SOLAR, THERMAL DYNAMICS, FOOD PRODUCTION.
* LOW IMPACT *



MARKET-VALUE HOUSING

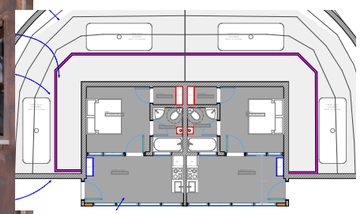


EAST ELEVATION

WORKFORCE HOUSING







AFFORDABLE HOUSING DUPLEX

PANGEA BIOTECTURE

PANGEA COMMUNITY DEVELOPMENT

SITE PLAN
VER8 12/28/24
SD2