

# Oyate Omniciye | Oglala Lakota Plan

A new beginning of green infrastructure



October 28, 2014

BNIM

# Regional Initiatives



**Regional  
Planning Office**



**Model  
Community  
Development**



**Land Use**



**Governance**



**Health and  
Wellness**



**Environment and  
Ecosystems**



**Language**



**Education,  
Training, and  
Outreach**



**Communication**



**Youth and  
Young Ones**



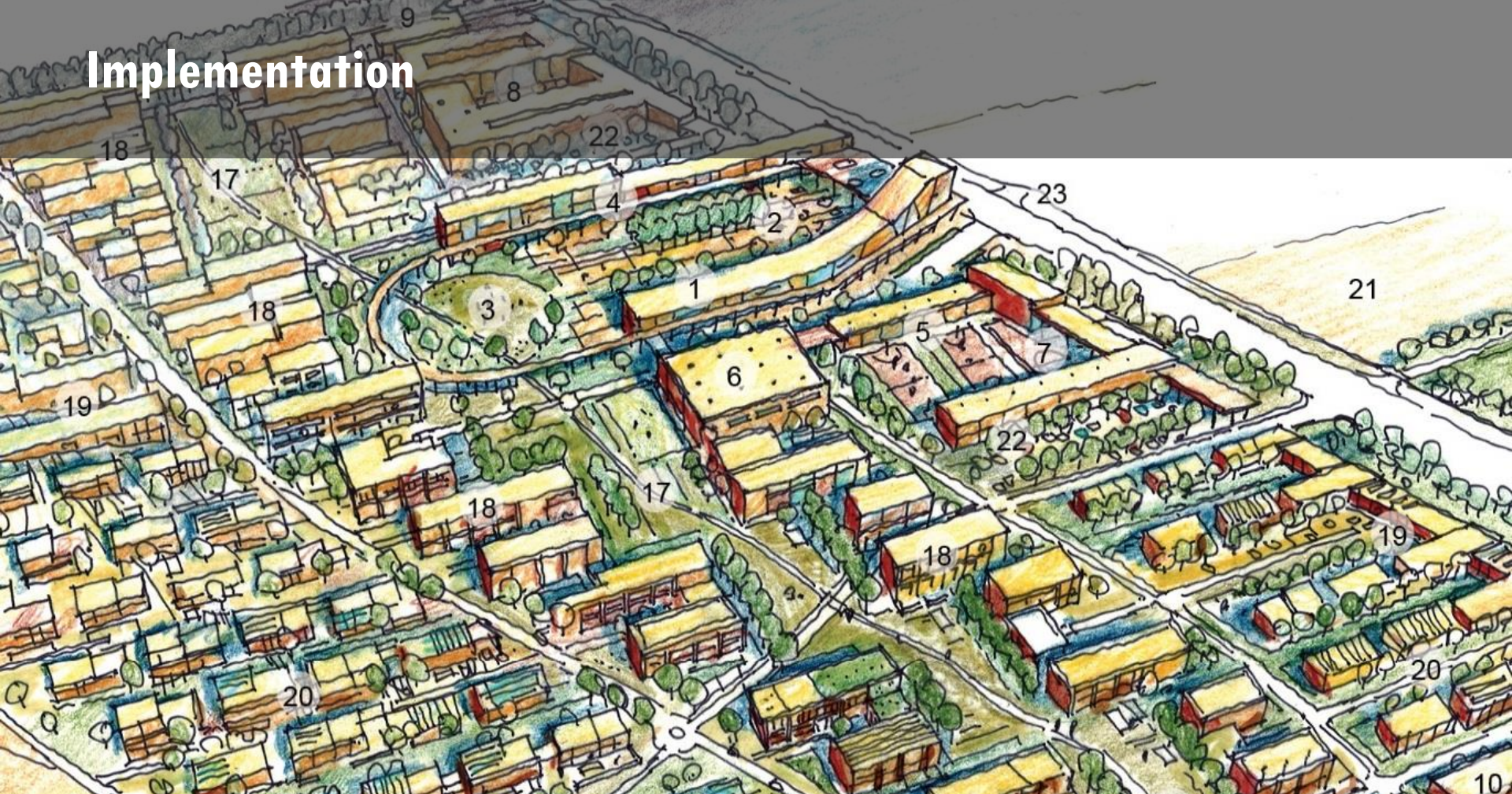
**Economy**



**Transportation**



# Implementation





## Model Community Development

Create sustainable and interconnected communities that provide better housing, places for businesses to thrive, and a healthy and supportive environment for youth, elderly, and families. Use model communities as living laboratories to build skills, knowledge, and capacity for residents. Explore and refine new ways of living that build on traditional Lakota values to develop innovative, homegrown Native solutions to a variety of challenges.

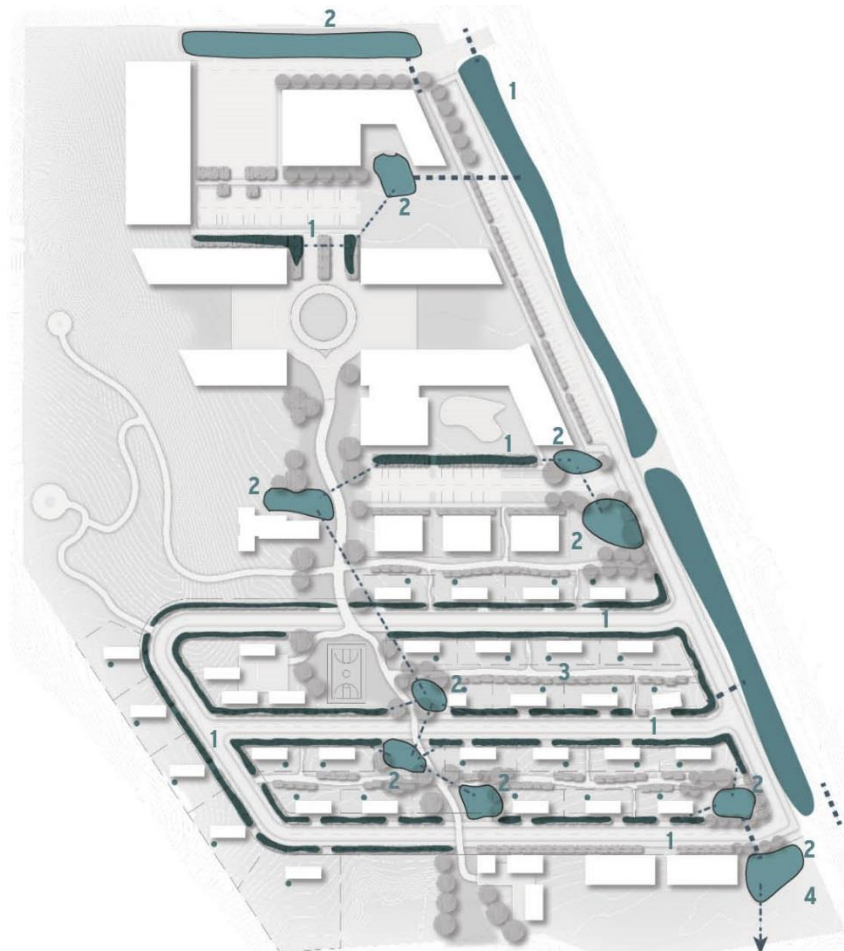
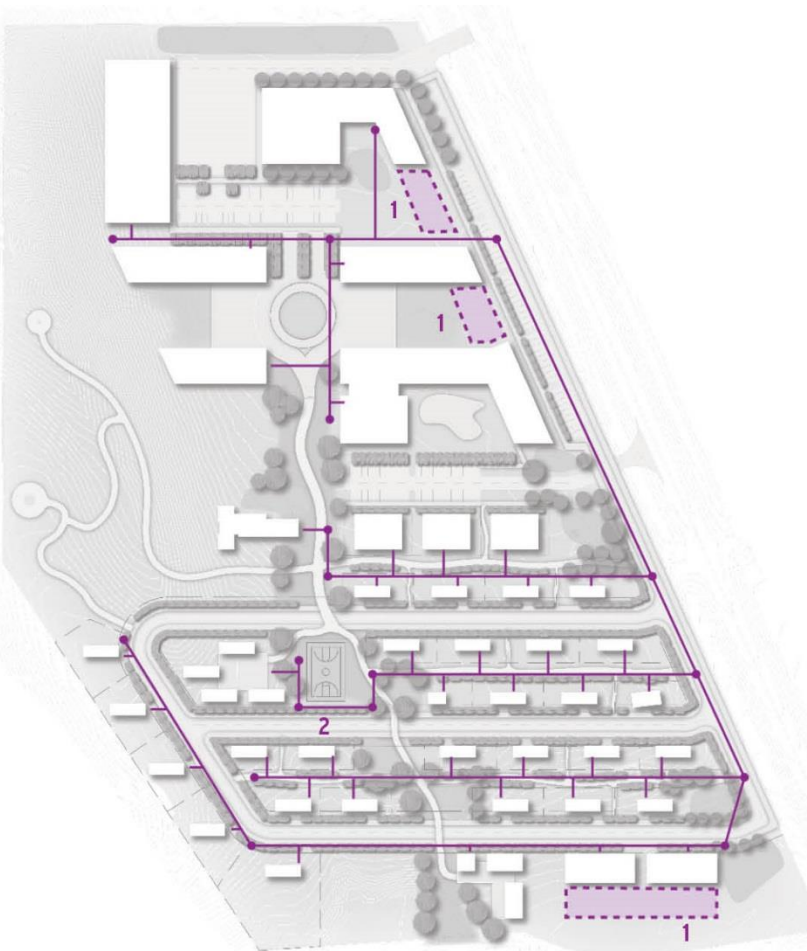


# Wastewater and Stormwater Systems

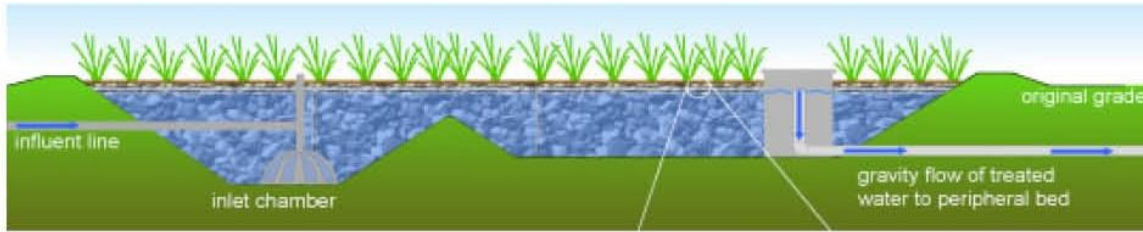
-  PIPES WITH MANHOLES
-  UNDERGROUND EXTENT OF CONSTRUCTED WETLAND BIOREACTORS
- 1 CONSTRUCTED WETLAND BIOREACTORS
- 2 SANITARY PIPE SYSTEM FOR GENERATED WASTEWATER

-  RAIN BARREL
-  REINFORCED CONCRETE PIPE CULVERTS
-  UNDERGROUND PIPE CONNECTIONS
-  SURFACE DRAINAGE SWALE

- 1 SURFACE BIOSWALE AT PARKING / ROADS
- 2 SURFACE RAIN GARDEN / WATER COLLECTION
- 3 RESIDENTIAL COLLECTION - RAIN BARRELS AT EACH HOME
- 4 OVERFLOW INTO CREEK BED



# Systems studied





# Vision for a healthy community

## OUTDOOR MARKET

This large outdoor space is located between the Empowerment Center and Business Incubator. The space provides residence with a large outdoor flexible space but also allows for a space for tourists to shop for goods produced by local artisans

## EMPOWERMENT CENTER

This facility houses cultural and community services.

## GYMNASIUM

Indoor basketball court, doubles as a storm shelter. This facility is connected to the Empowerment Center / Fitness Center.

## BASKETBALL COURT

## YOUTH SHELTER

Adjacent to many of the activities available at Thunder Valley, the facility provides youth guest rooms and counseling services

## ROPES COURSE

## SKATE PARK

## SOLAR PANEL GATEWAY

This canopy produces energy in addition to creating a shaded outdoor space



This conceptual illustration shows the heart of Thunder Valley. The Empowerment Center and surrounding market, powwow grounds, and studio space create a cultural and community center.

## TRADITIONAL POW WOW GROUNDS ARBOR

## POWWOW GROUNDS

Located along the central green space

## ARTIST STUDIOS AND LOFTS

Lower floor opens out onto the central green and provides flexible space for artists and other activities. Second level has apartments.