POULTRY CENTERED REGENERATIVE AGROFORESTRY
A SYSTEM-LEVEL DESIGN

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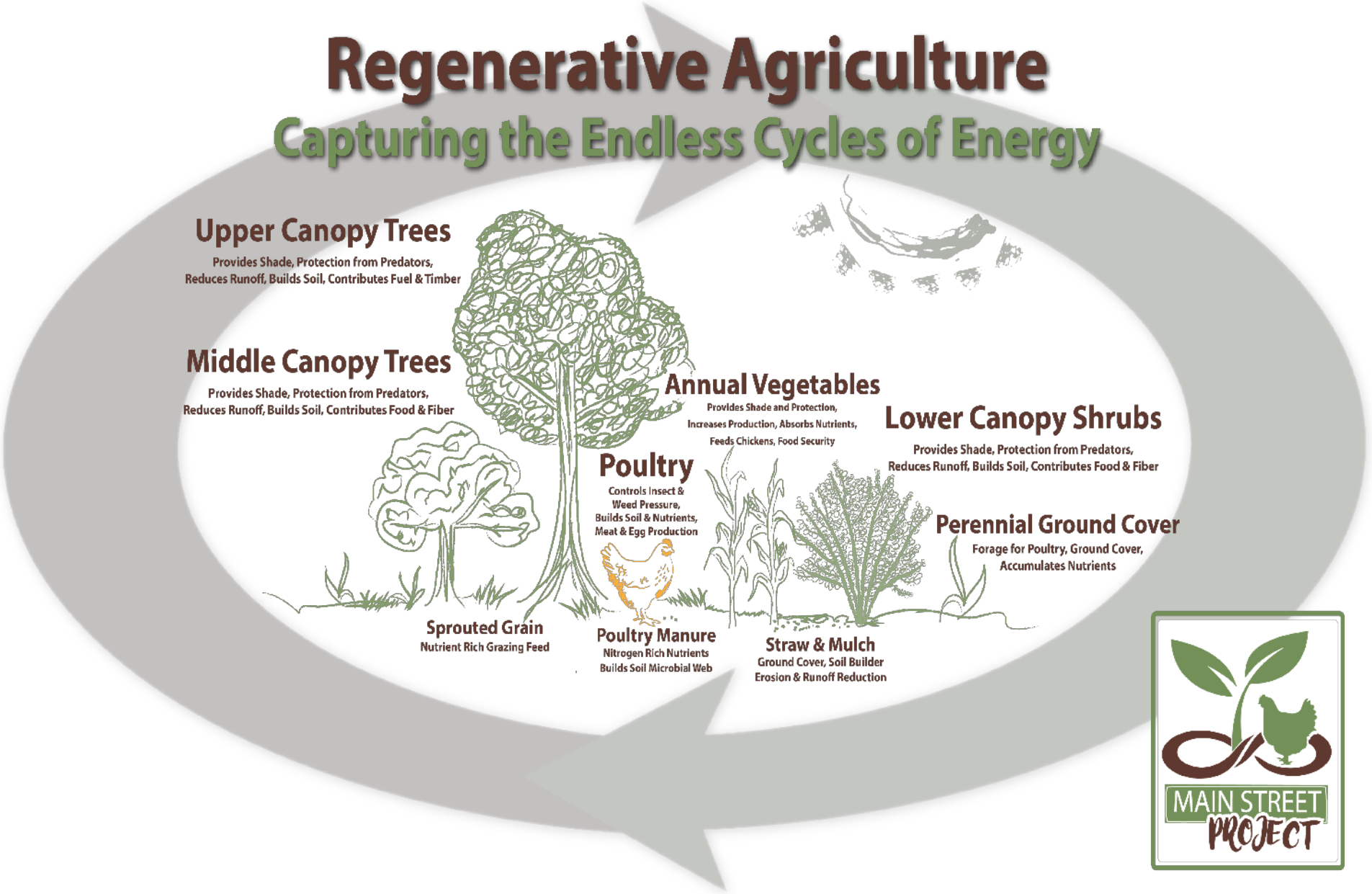
NO VISION EVER MATERIALIZES WITHOUT THE RIGHT PEOPLE INVOLVED
OUR MINNESOTA-BASED TEAM

A jungle fowl).

ANCESTORS OF MODERN POULTRY.
Foreground: The Red Jungle Fowl (Gallus ferugineus).
Background: The Grey Jungle Fowl (Gallus sonnerati) and the Ceylon Jungle Fowl (Gallus lafayetti).
The Red is generally considered the progenitor of our domestic poultry.

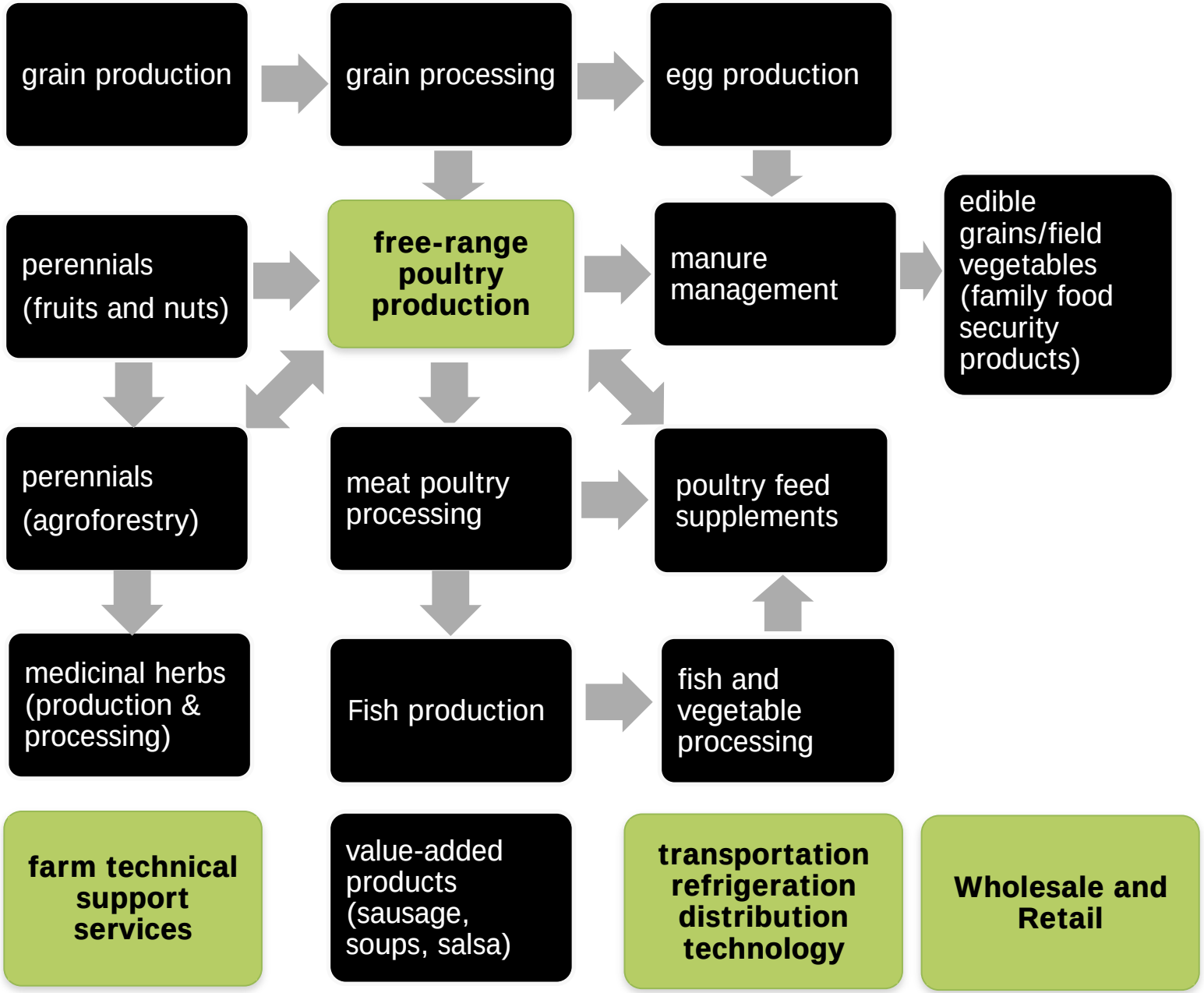
Red jungle fowl (*Callus gallus*).
Painting by Murrell Butler

Energy-based, Poultry-Centered Regenerative Agroforestry

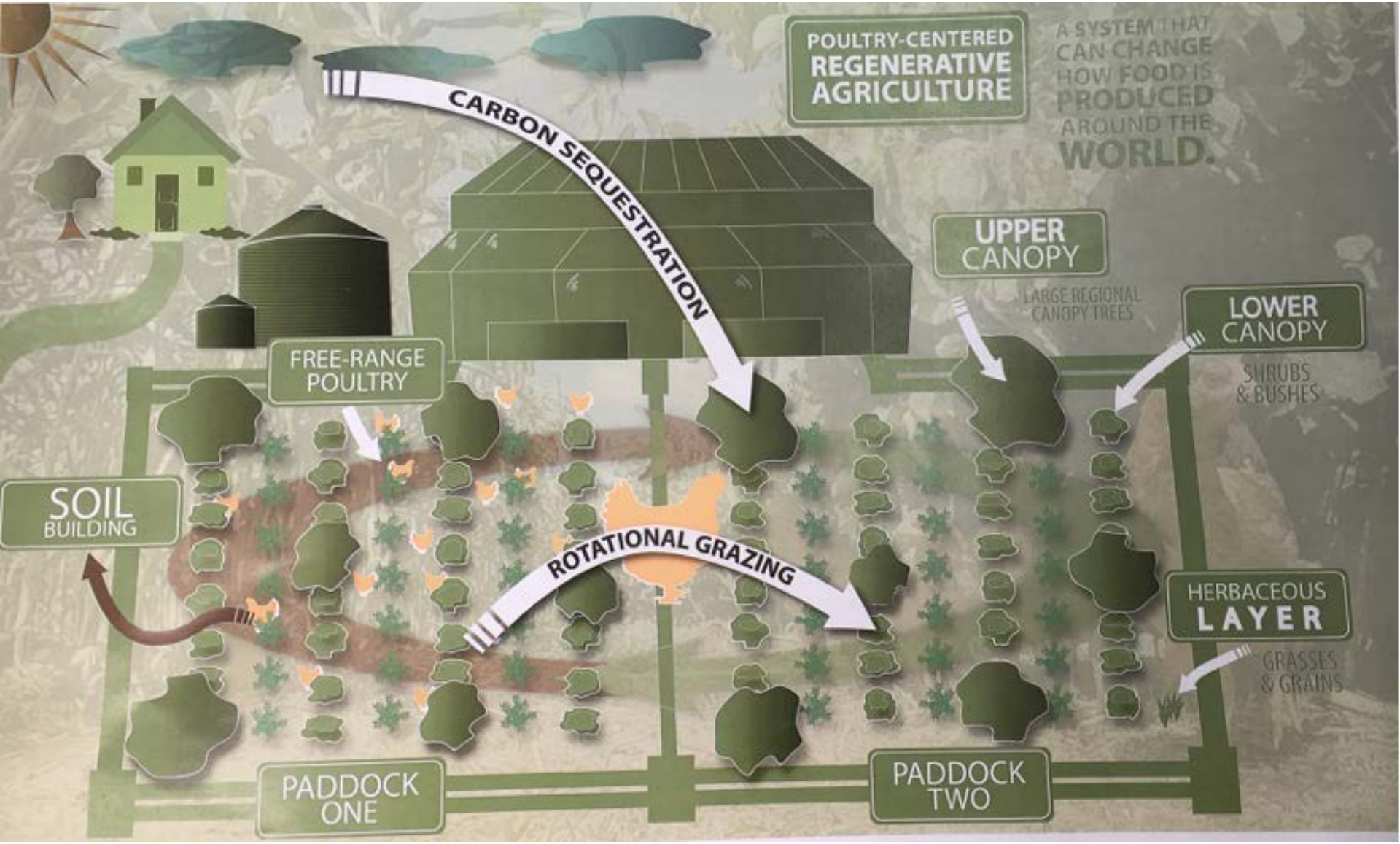


MAIN STREET PROJECT

System Level Enterprise Sectors Integration

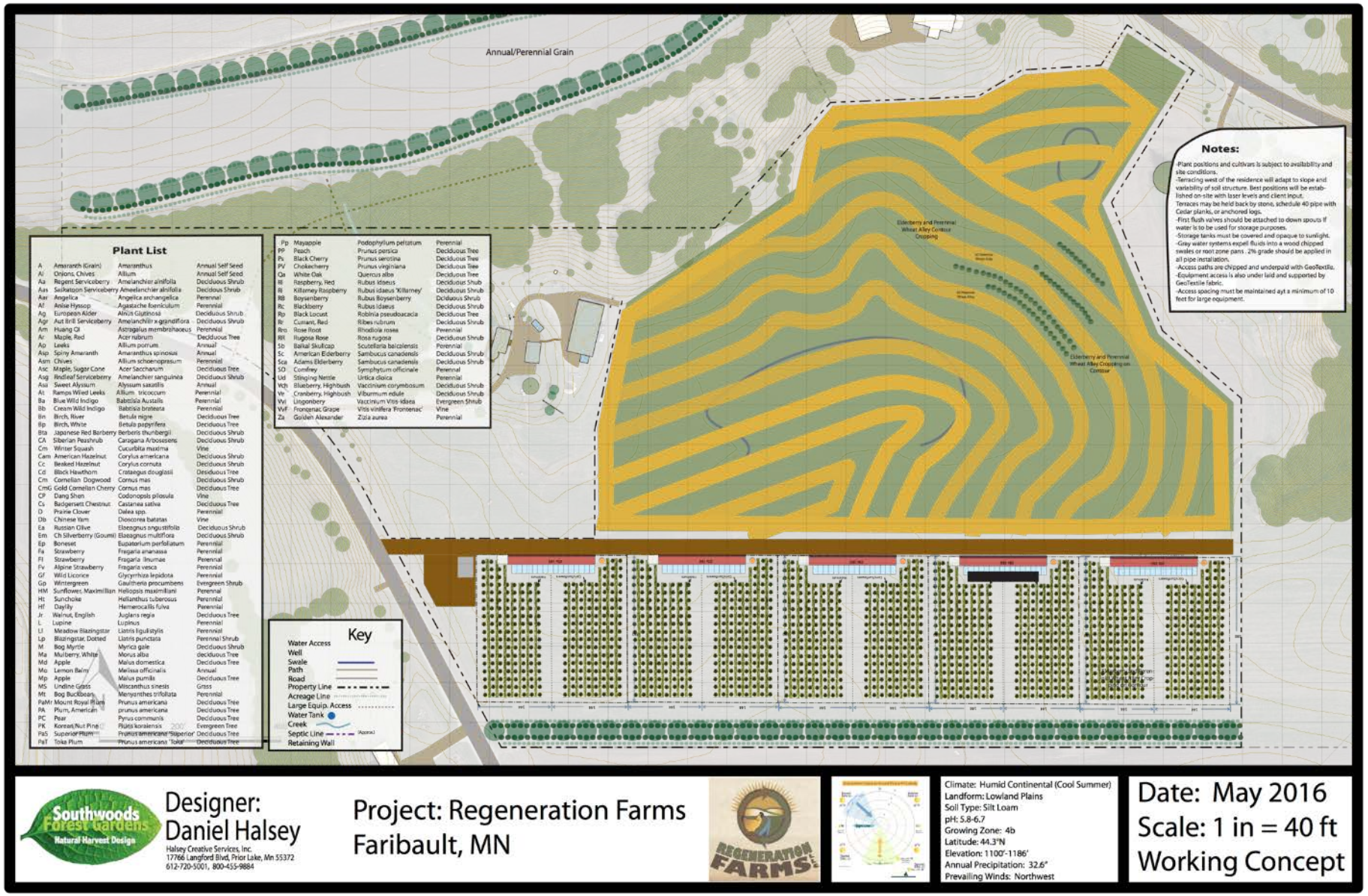


Production Unit and Energy Flows Engineering



THE PROTOTYPE PU

FARM-LEVEL COMMERCIAL PROTOTYPE



Southwoods Forest Gardens
Natural Harvest Design

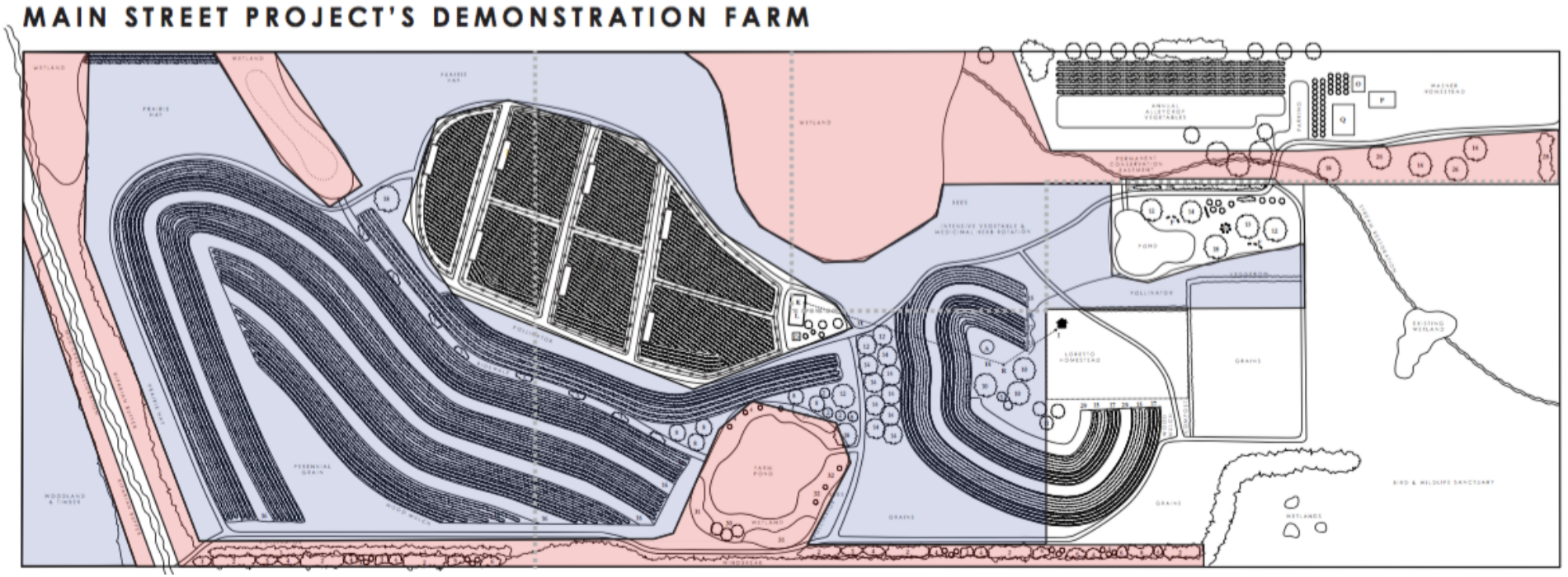
Designer:
Daniel Halsey
Halsey Creative Services, Inc.
17766 Langford Blvd, Prior Lake, Mn 55372
612-720-3001, 800-455-9884

Project: Regeneration Farms
Faribault, MN

Climate: Humid Continental (Cool Summer)
Landform: Lowland Plains
Soil Type: Silt Loam
pH: 5.8-6.7
Growing Zone: 4b
Latitude: 44.3°N
Elevation: 1100'-1186'
Annual Precipitation: 32.6"
Prevailing Winds: Northwest

Date: May 2016
Scale: 1 in = 40 ft
Working Concept

MAIN STREET FARM TRAINING CENTER AND R&D



MAPPING OUT A SUB-REGION

A 12 State Midwest Alliance for Regenerative Agroforestry

PRODUCTION UNIT FINANCIALS

MAIN STREET PROJECT

PERENNIAL CROPS AS A BY-PRODUCT OF THE PRODUCTION UNIT

Poultry-Centered Regenerative Agroforestry System
A Scalable Business Opportunity
Profile of a Meat Production Unit (1.5 acres)

- 1,500 birds/3 flocks/year = 4500 birds.
- 18,000 lb/year/PU
- Gross market value of chickens $58,500
- Farmer's gross income at farm-gate $33,750
- After establishment (5 years) 951 hazelnut bushes x 2.5 lbs in-shell nuts/bush Harvest = 2160 lb.
- Farm-gate value of in-shell nuts = $1 = $2160/year
- Total estimated gross income per PU = $35,910

Poultry-Centered Regenerative Agroforestry System
A Scalable Business Opportunity
Profile of an Egg Production Unit (3 acres)

- 3,000 egg layers = 175 dozen/day
- Total production per year = 63,875 dozen
- Estimated farm-gate value of eggs per dozen = $2.90
- Estimated gross farm-gate value per PU= $185,237
- Hazelnuts planted per egg PU = 1,585
- Production of in-shell nuts per PU = 3962 lb.
- Estimated gross value of hazelnut production per PU = $3962
- Estimated gross farm-gate production value per PU = $189,199
- Estimated gross income per acre $63,066