

# Sovereign Integration

## The Integration of Agriculture and the Urban Fabric





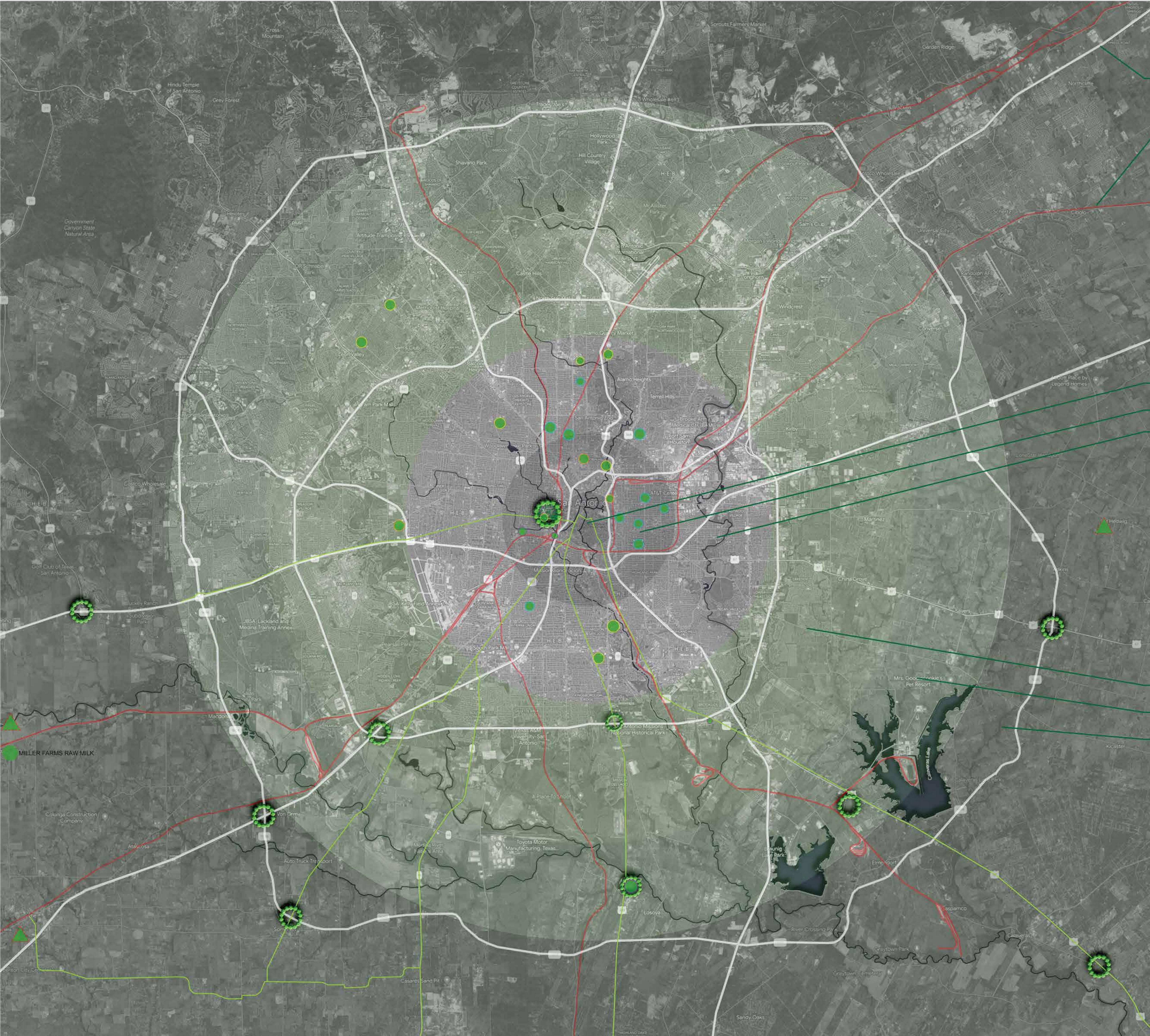
FOOD INSECURITY  
770,000,000 WORLDWIDE (9.75%)  
34,000,000+ AMERICANS (10.25%+)  
3,720,710 TEXANS (12.4%)  
20% OF TEXAS CHILDREN



FOOD WASTE  
119 BILLION POUNDS PER YEAR  
130 BILLION MEALS  
40% OF ALL FOOD IN AMERICA  
HOUSEHOLDS ACCOUNT FOR 39%  
35% OF ALL PRODUCE



FOOD SYSTEM  
GLOBAL ABOVE LOCAL  
QUANTITY OVER QUALITY  
INDUSTRIAL PRODUCTION OVER INDIVIDUAL NEED



ROADWAY NETWORK

UNION PACIFIC RAIL NETWORK

CITY CORE

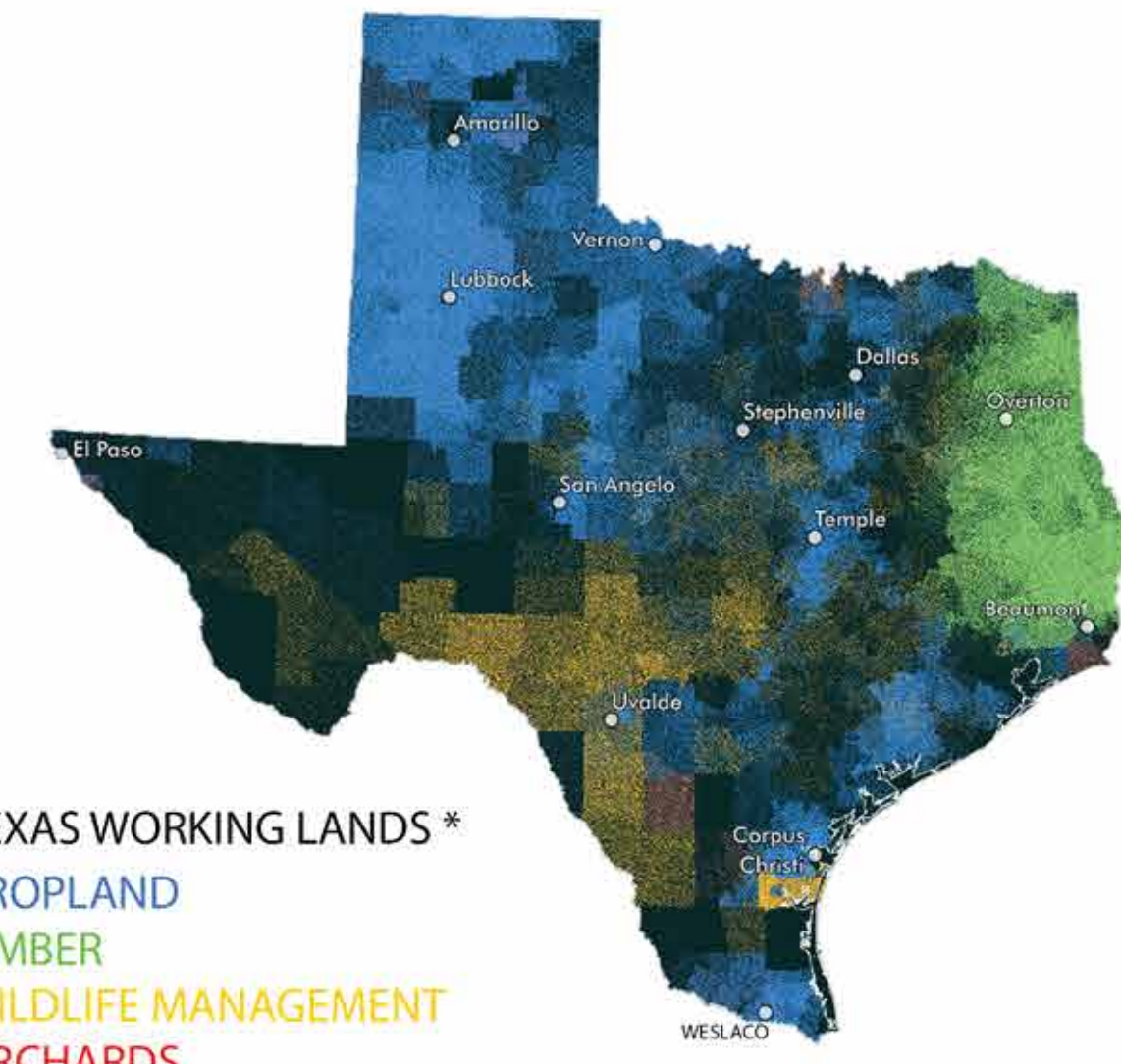
INNER URBAN

SUBURBAN

URBAN FRINGE

URBAN PERIPHERY

RURAL HINTERLAND

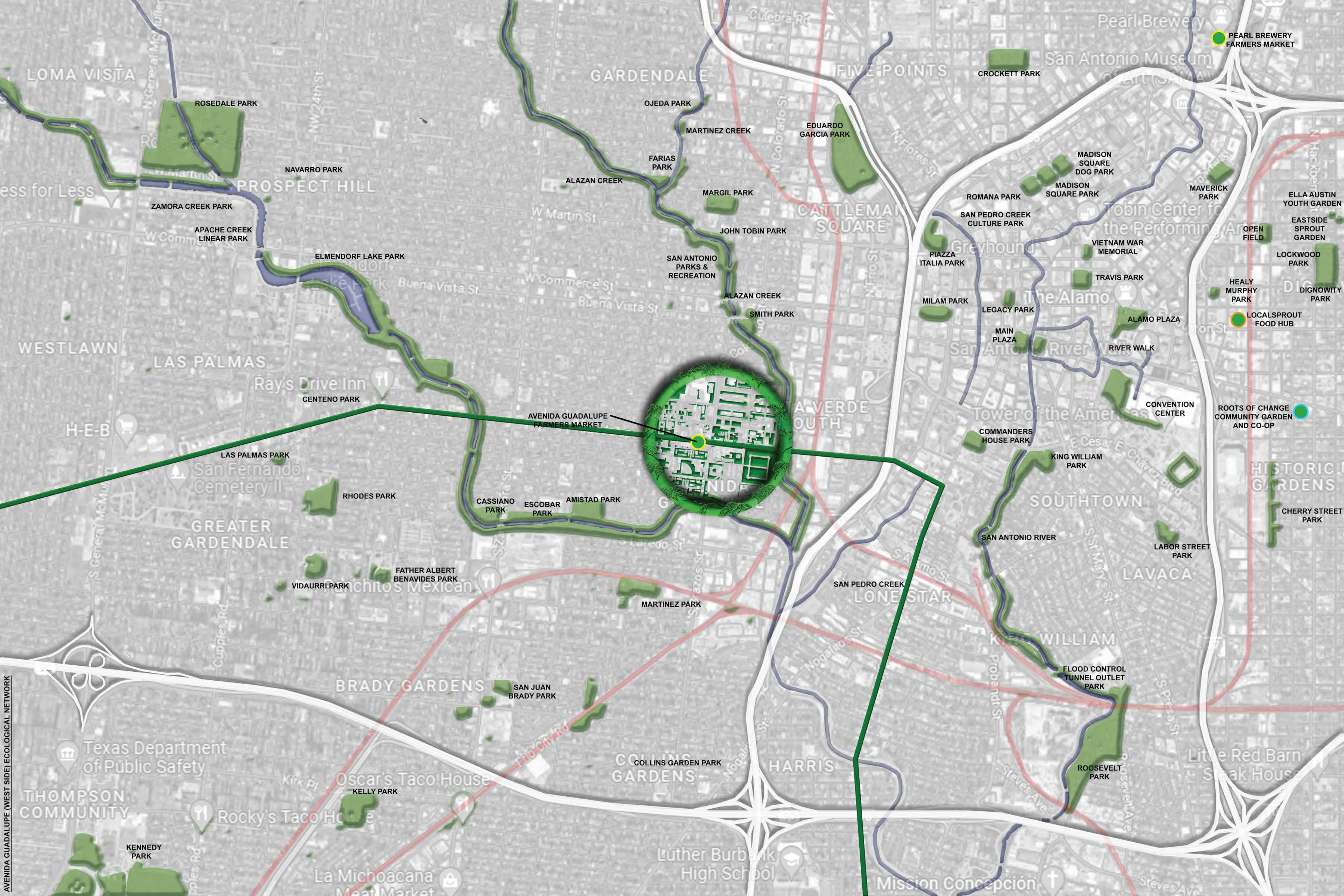


TEXAS WORKING LANDS \*  
 CROPLAND  
 TIMBER  
 WILDLIFE MANAGEMENT  
 ORCHARDS  
 LABELED CITIES INDICATE AGRILIFE RESEARCH AND EXTENSION CENTERS

TEXAS AGRICULTURE TRANSPORTATION:  
 - COMMERCIAL VEHICLES  
 - GRAIN  
 - CORN  
 - SOYBEANS  
 - FEED  
 - FARM EQUIPMENT  
 - FERTILIZER  
 - BEANS  
 - WHEAT/WHEAT MIDDS  
 - DRY DISTILLED GRAINS  
 - RAILWAY TRANSPORT  
 - CORN  
 - WHEAT  
 - SOYBEANS

60 PRODUCE CARRYING STORES NORTH OF URBAN CORE (H-E-B, WALMART, WHOLE FOODS, SPROUTS, TRADER JOES)  
 14 PRODUCE CARRYING STORES SOUTH OF URBAN CORE (13 URBAN AND 1 RURAL)

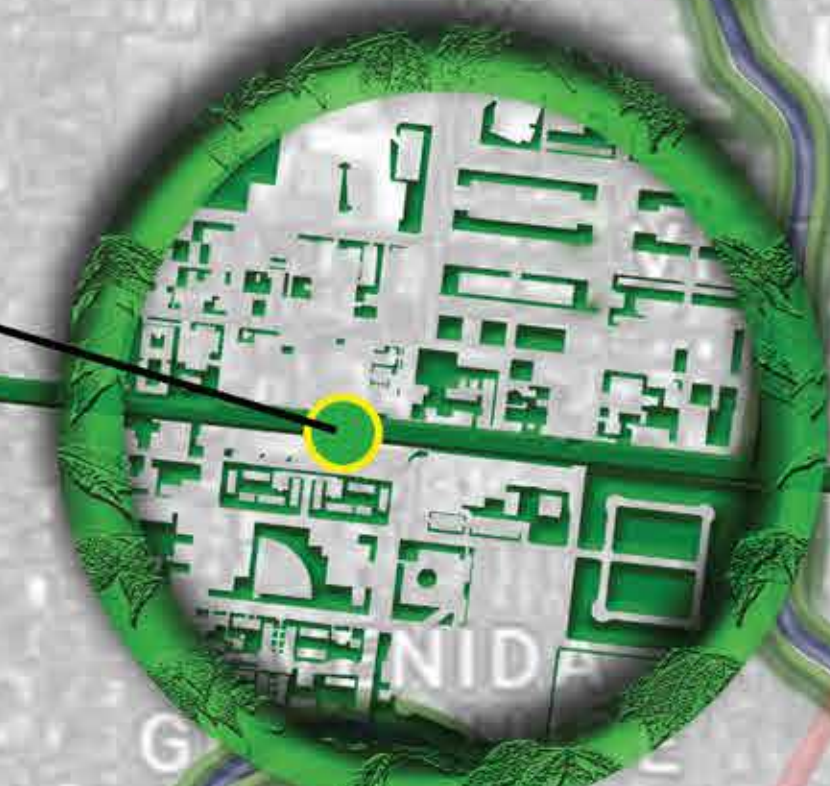
-  PRODUCTIVE ZONE OF URBAN AGRICULTURE
-  FARMERS MARKETS
-  COMMUNITY GARDENS
-  FOOD BANK / FOOD CENTER / FOOD HUB
-  WHOLESALE FOOD MARKET
-  GRAIN ELEVATORS



PEARL BREWERY FARMERS MARKET

LOCALSPROUT FOOD HUB

ROOTS OF CHANGE COMMUNITY GARDEN AND CO-OP



AVENIDA GUADALUPE FARMERS MARKET

AVENIDA GUADALUPE (WEST SIDE) ECOLOGICAL NETWORK

LOMA VISTA

GARDENDALE

FIVE POINTS

PEARL BREWERY

PROSPECT HILL

WESTLAWN

GREATER GARDENDALE

THOMPSON COMMUNITY

CATTLEMAN SQUARE

LA VERDE SOUTH

COLLINS GARDENS

EDUARDO GARCIA PARK

LA VERDE SOUTH

HARRIS

ROMANA PARK

TOWER OF THE AMERICAS

WILLIAM

MADISON SQUARE PARK

SOUTH TOWN

LAVACA

ELLA AUSTIN YOUTH GARDEN

HISTORIC GARDENS

LITTLE RED BARN STEAK HOUSE

ZAMORA CREEK PARK

LAS PALMAS PARK

KENNEDY PARK

NAVARRO PARK

CENTENO PARK

OSCAR'S TACO HOUSE

ELMENDORF LAKE PARK

RHODES PARK

ROCKY'S TACO HOUSE

ALAZAN CREEK

CASSIANO PARK

SAN JUAN BRADY PARK

MARTINEZ CREEK

ESCOBAR PARK

KELLY PARK

MARGIL PARK

AMISTAD PARK

LA MICHIOACANA MEAT MARKET

JOHN TOBIN PARK

MARTINEZ PARK

LUThER BURBANK HIGH SCHOOL

SAN PEDRO CREEK CULTURE PARK

COMMANDERS HOUSE PARK

MISSION CONCEPCION

VIETNAM WAR MEMORIAL

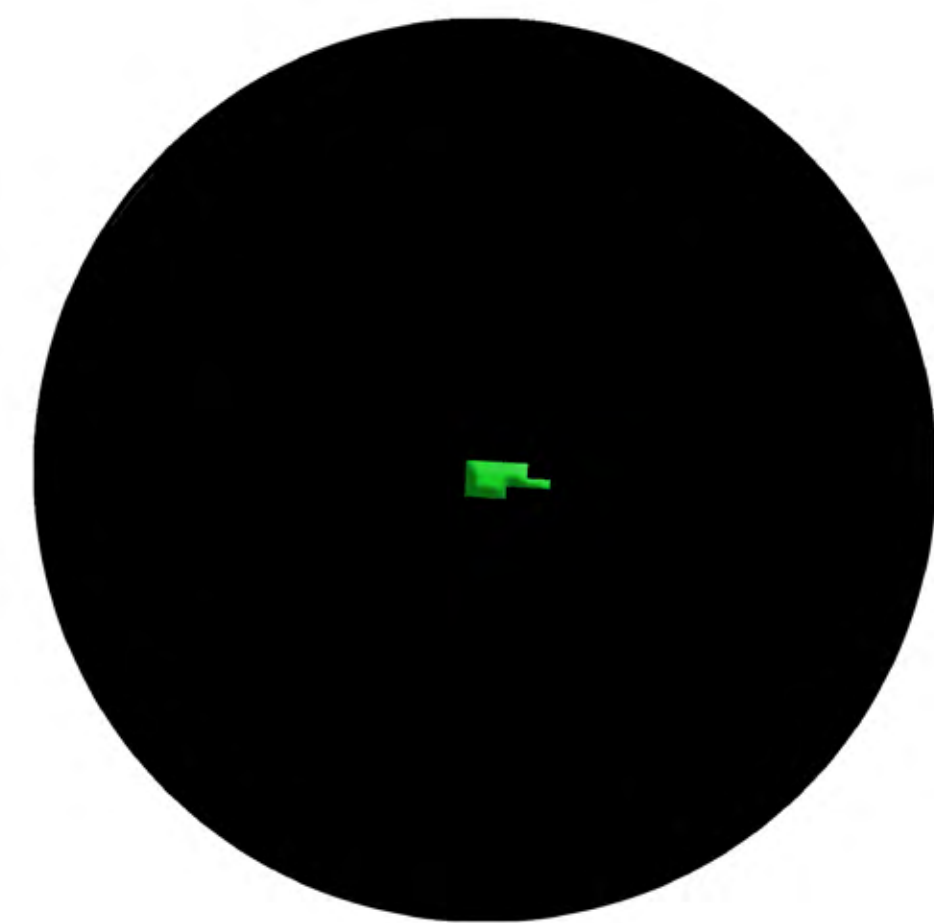
KING WILLIAM PARK

ROOSEVELT PARK

OPEN FIELD

CHERRY STREET PARK

STEVES AVE



~1,700,000 sq.ft. within 1/4 mile radius  
 Potential Land For Agricultural Conversion (Front, Side, Back Yards and Fields)  
 (Excludes Parks and Playing Fields)

1% ARIABLE LAND CONVERSION = 17,000 SQFT

PROPOSED SITE = 35,000 SQFT (2%)

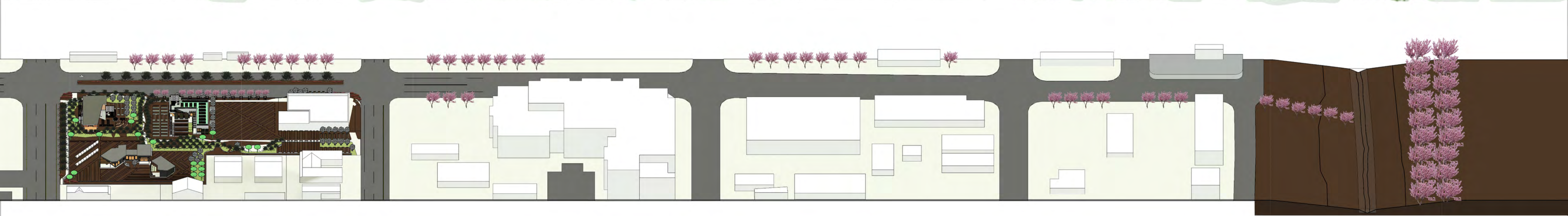
250 SQFT SUITABLE FOR 1 PERSON/YR

**SUITABLE TEXAS CROPS  
 (YEAR ROUND PRODUCTIVITY)**

- |                     |                |
|---------------------|----------------|
| GREENHOUSE TOMATOES | SWEET POTATOES |
| SWEET PEPPERS       | HOT PEPPERS    |
| TURNIPS             | FIELD PEAS     |
| MUSHROOMS           | HERBS          |
| CUCUMBERS           | CARROTS        |
| CABBAGE             | ARTICHOKE      |
| OKRA                | WATERMELON     |
| PUMPKINS            |                |

SMALL AGRICULTURAL ENDEAVORS CAN ACHIEVE A PRODUCTION RATE OF NEARLY \$1,000 PER 1,000 SQFT.  
 DIVERSIFICATION OF CROP CAN INCREASE THE OUTPUT RATE TO NEARLY DOUBLE (\$2,000 PER 1,000 SQFT.)

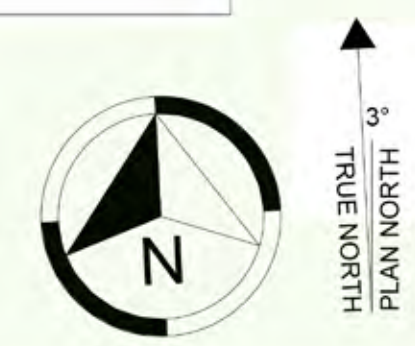






EL PASO STREET

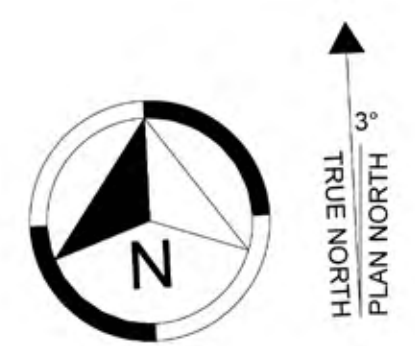
GUADALUPE AVENUE



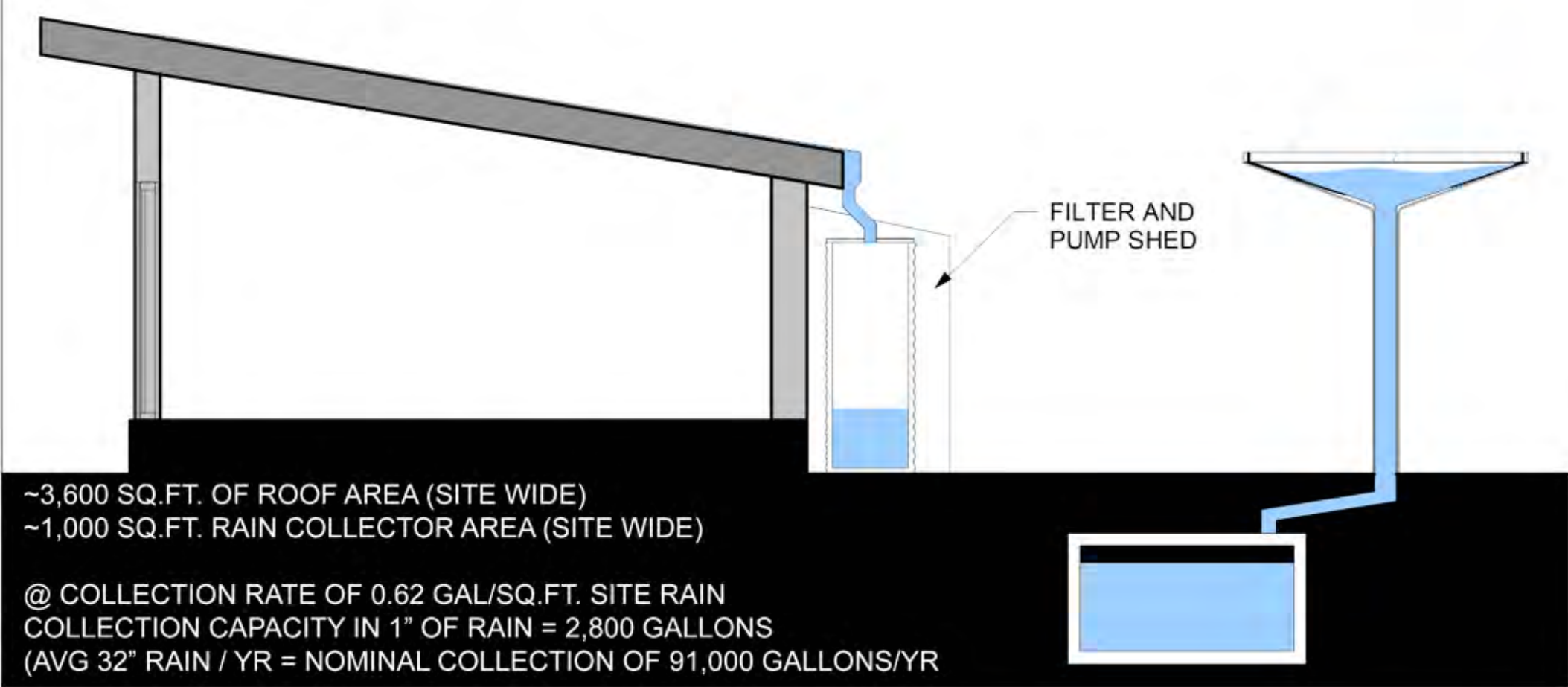


1 LEVEL 01 - SITE PLAN  
1/16" = 1'-0"

AREA OF EXISTING PROPERTY SOUTH OF SITE (CENTER 1/3 OF BLOCK) = ~40,000 SQ.FT.  
 AREA OF POTENTIALLY PRODUCTIVE LAND CONVERSION = ~23,000 SQ.FT.

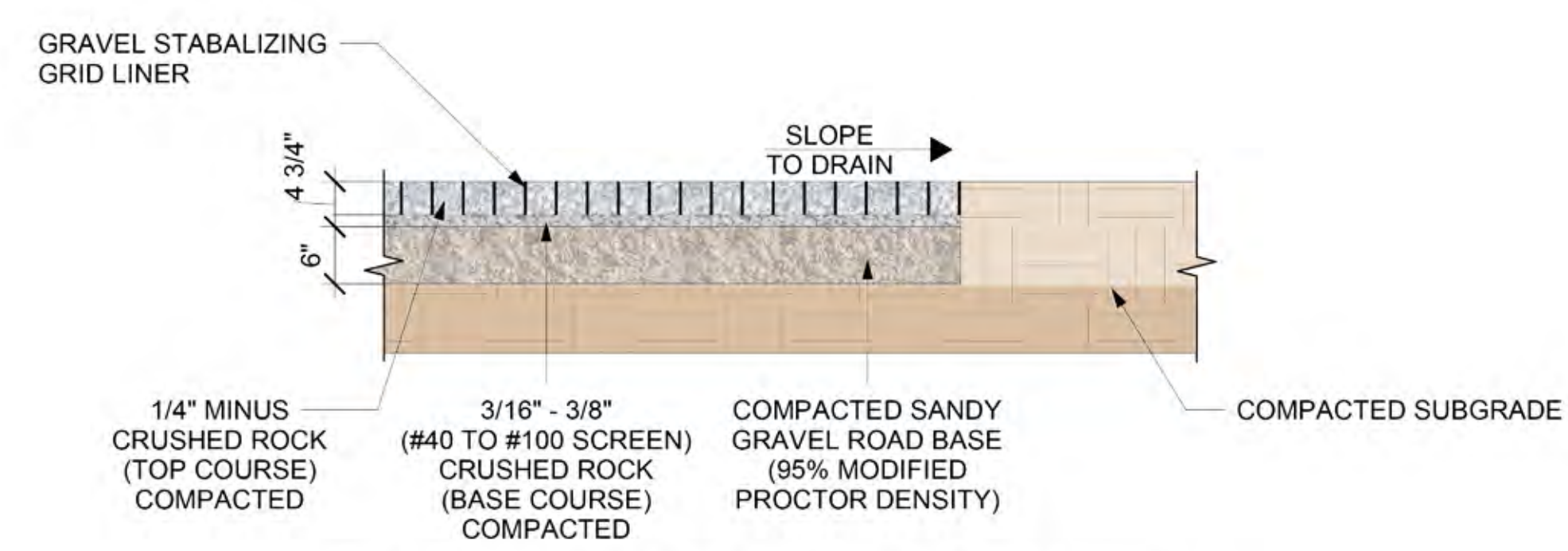






TYPICAL INDIVIDUALS SPEND \$3,000 - \$5,000 ON FOOD PER YEAR, WITH FAMILIES OF 3 SPENDING NEARLY \$10,000 EACH YEAR. AT 85% PRODUCTION SUCCESS, A 2,100 SQFT MINI-FARM WOULD HAVE AN ECONOMIC BENEFIT OF ~\$8,200 PER YEAR, EQUIVALENT TO A PRETAX INCOME OF \$12,200.

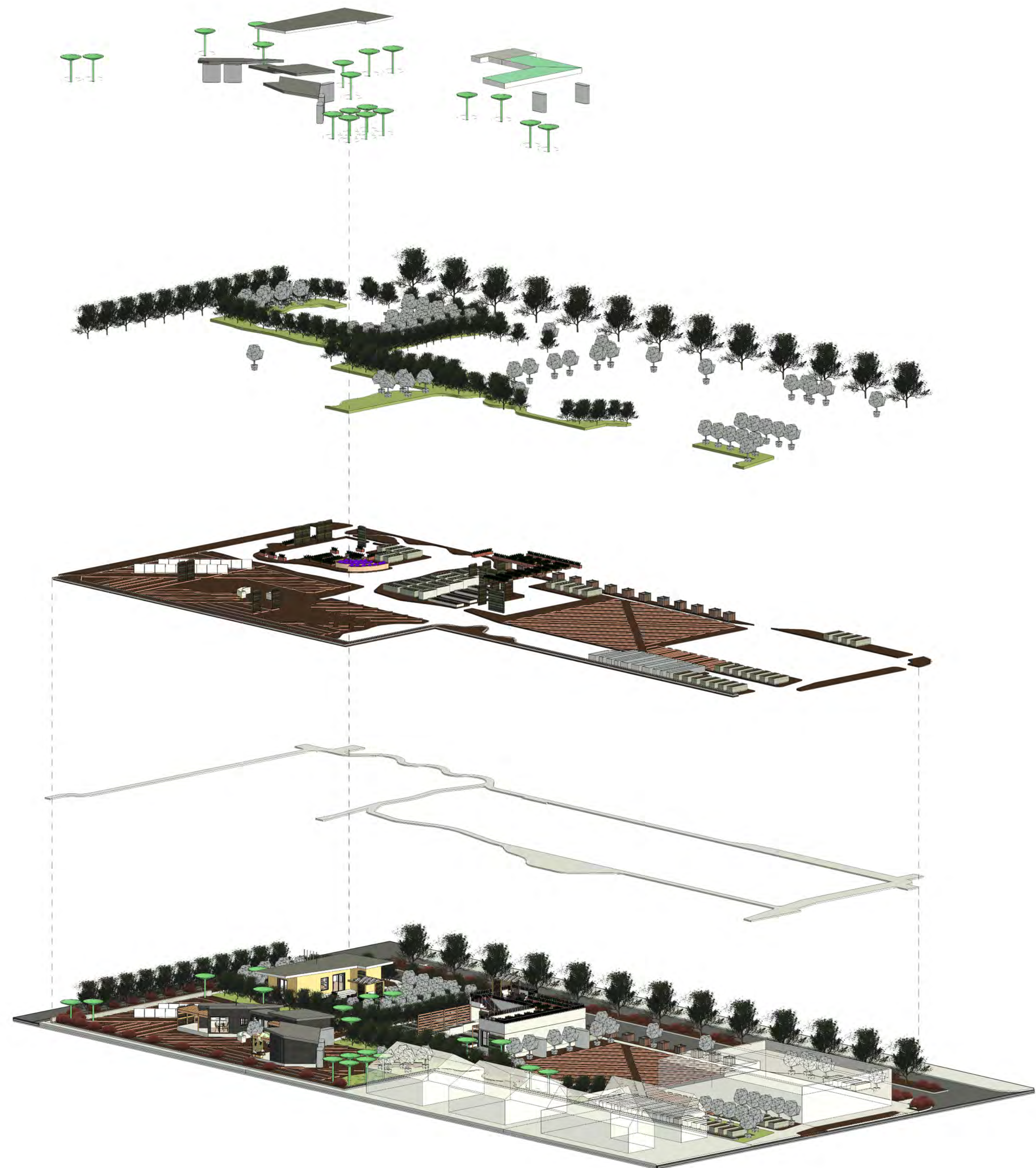
A 2,100 SQFT MINI-FARM HAS THE POTENTIAL TO PRODUCE GOOD EQUIVALENT TO \$10,000 IN SALES WITH ONLY 10 HOURS OF WORK PER WEEK. THAT'S \$51.00 PER HOUR OF INPUT. IN ADDITION TO THE OFFSET IN FOOD COSTS, THE TOTAL ECONOMIC VENEFIT PER 2,100 SQFT IS AS HIGH AS \$15,000 PER YEAR. WITH INPUT FROM COMMUNITY MEMBERS ENROLLED IN A COMMUNITY SUPPORTED AGRICULTURE (CSA) PROGRAM, THIS FIGURE CAN BE MUCH HIGHER.

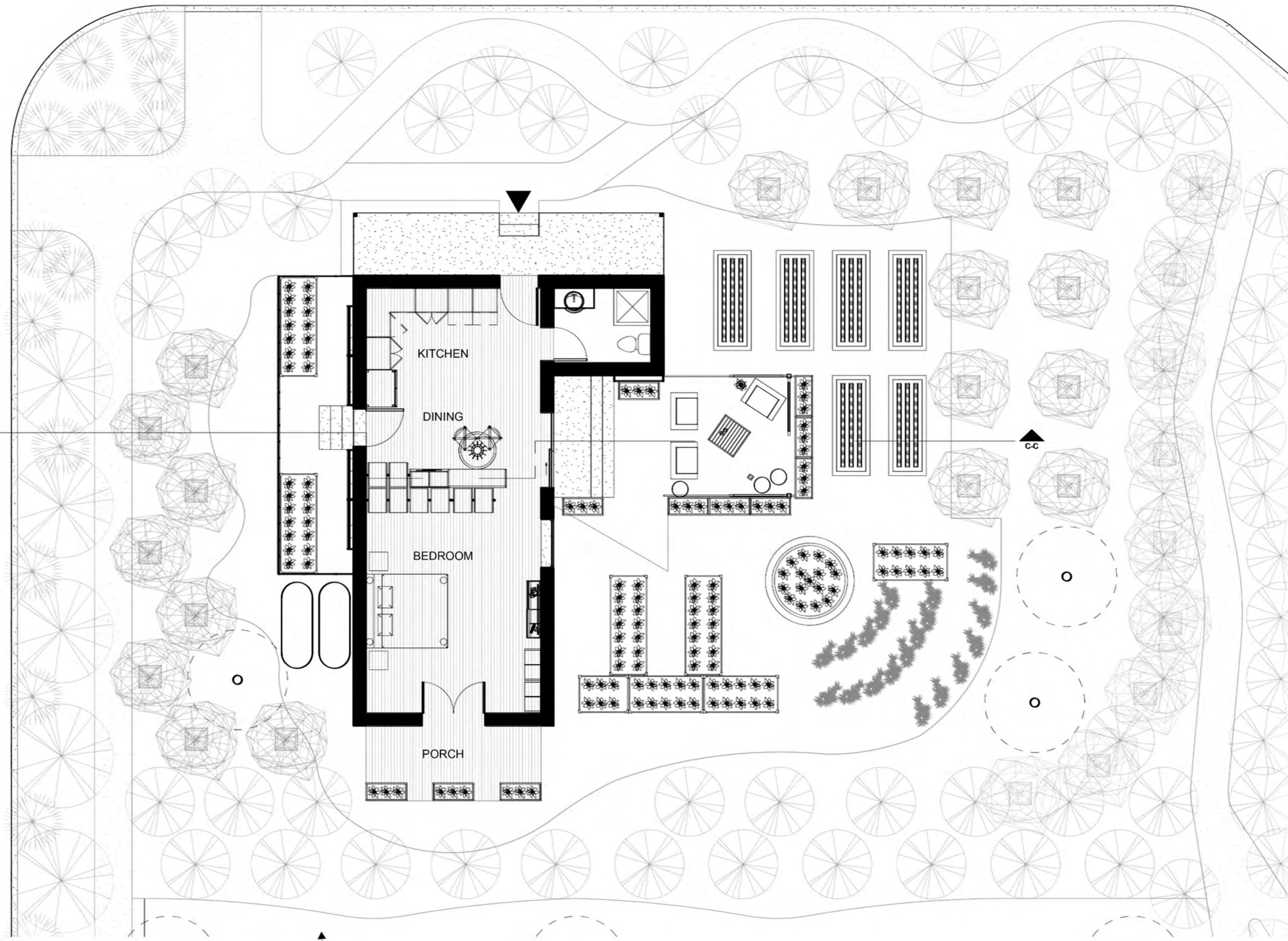


STABILIZED GRAVEL PATHWAYS

**SITE USAGE:**

26,500 SQ.FT.	ALLOCATED TO PRODUCTIVE SURFACES	(75%)
2,700 SQ.FT.	ALLOCATED TO RESIDENTIAL SPACE	(8%)
3,600 SQ.FT.	ALLOCATED TO SITE CIRCULATION	(10%)
1,700 SQ.FT.	ALLOCATED TO STREET-SIDE LANDSCAPE	(5%)
500 SQ.FT.	ALLOCATED TO PUBLIC GATHERING SPACE	(1.5%)
<b>35,000 SQ.FT.</b>		<b>(100%)</b>

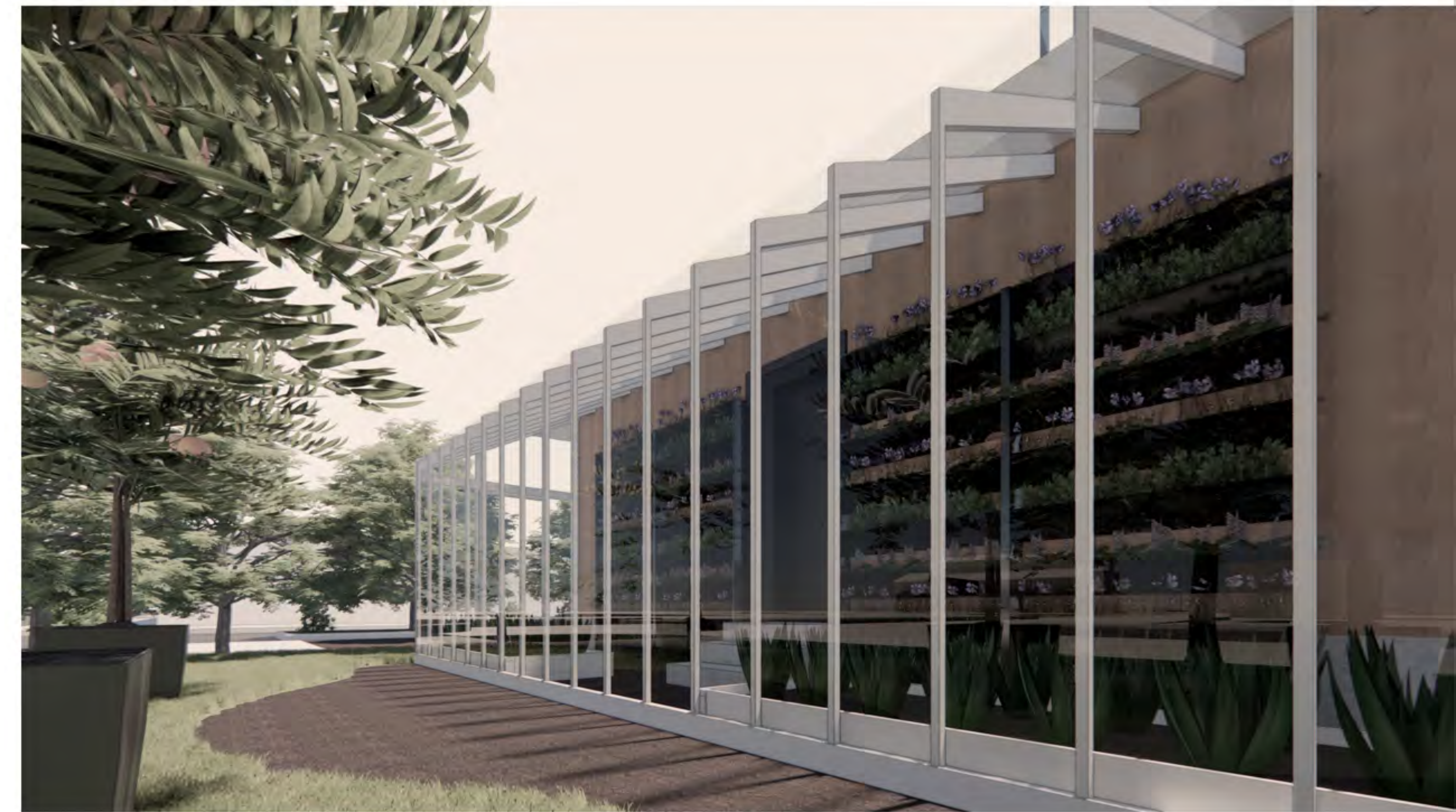


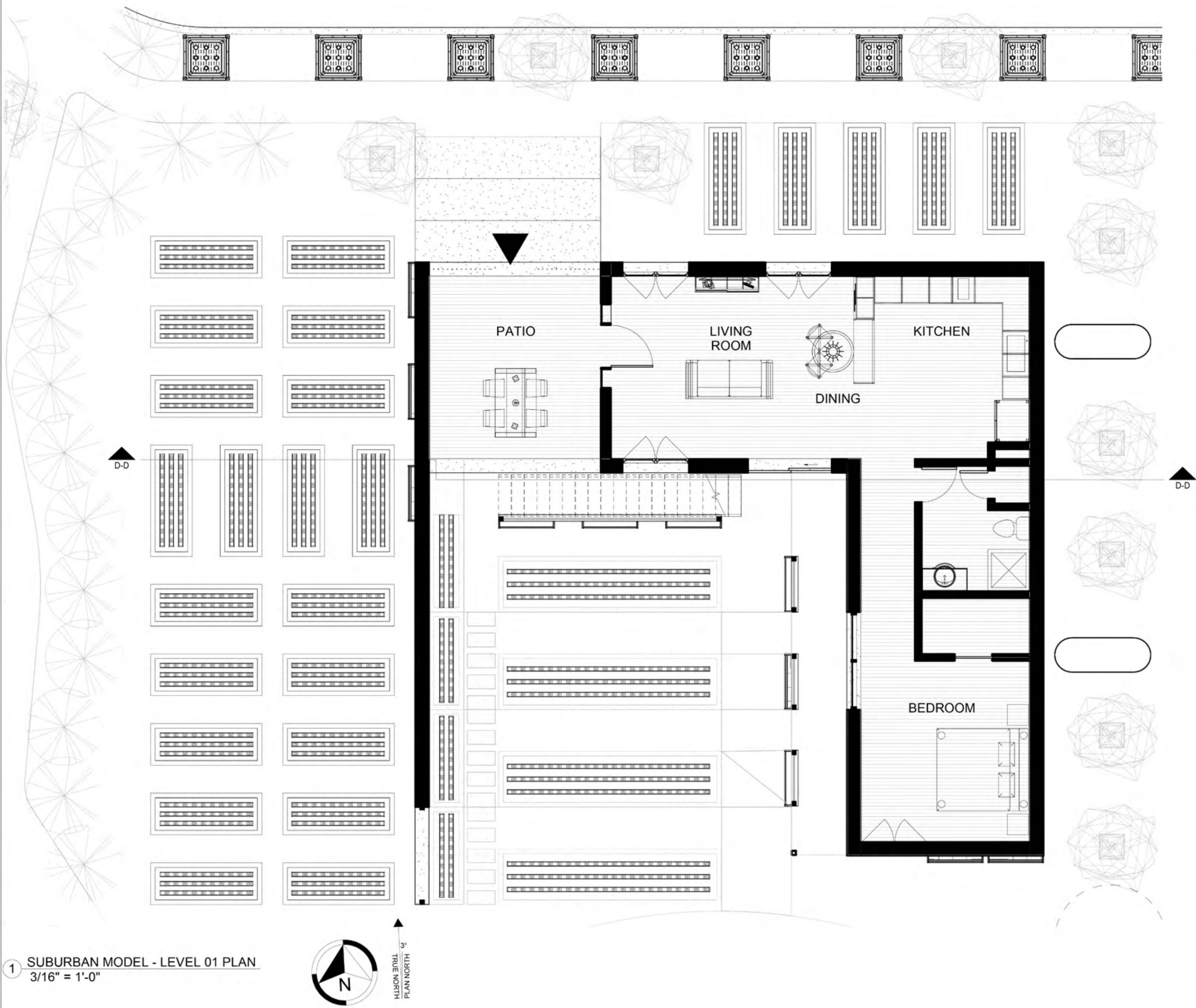


1 URBAN GARDEN MODEL - LEVEL 01 PLAN  
3/16" = 1'-0"

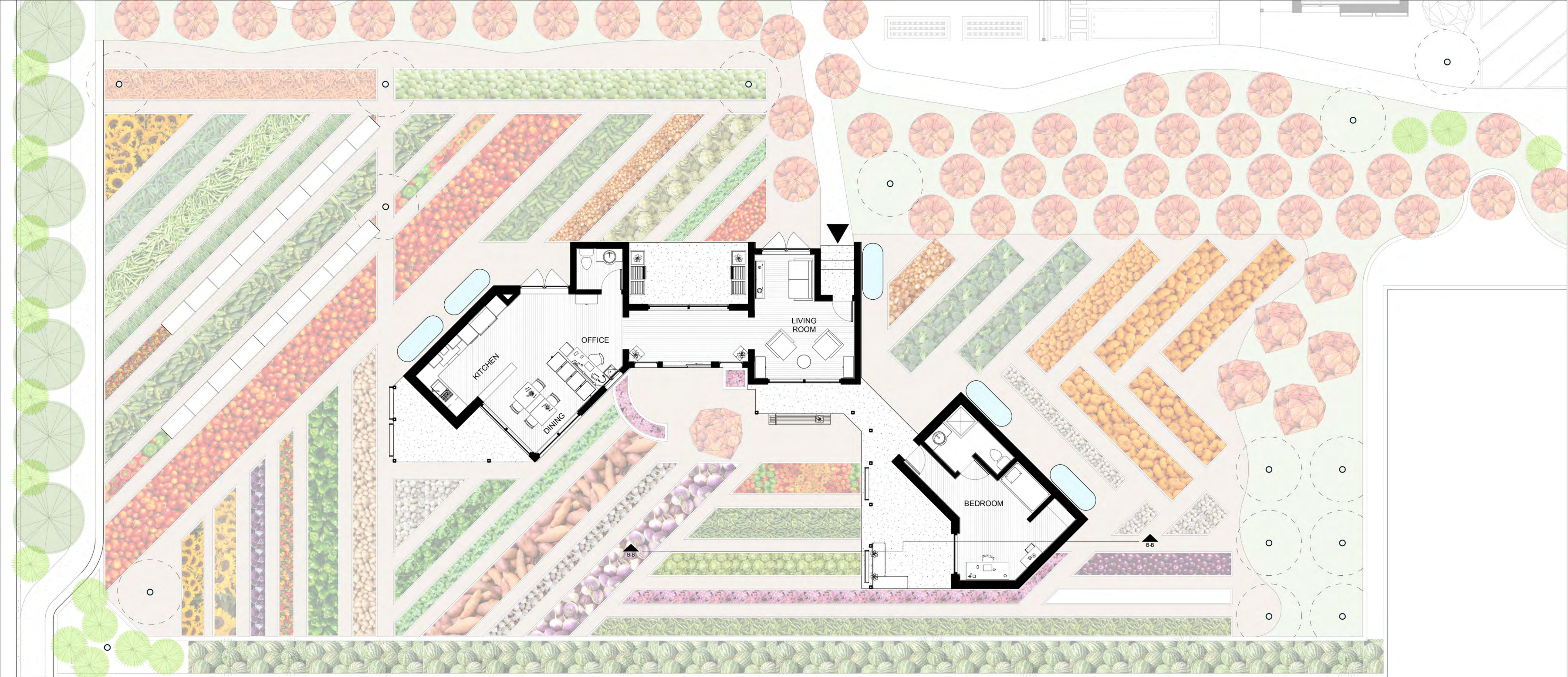


C-C

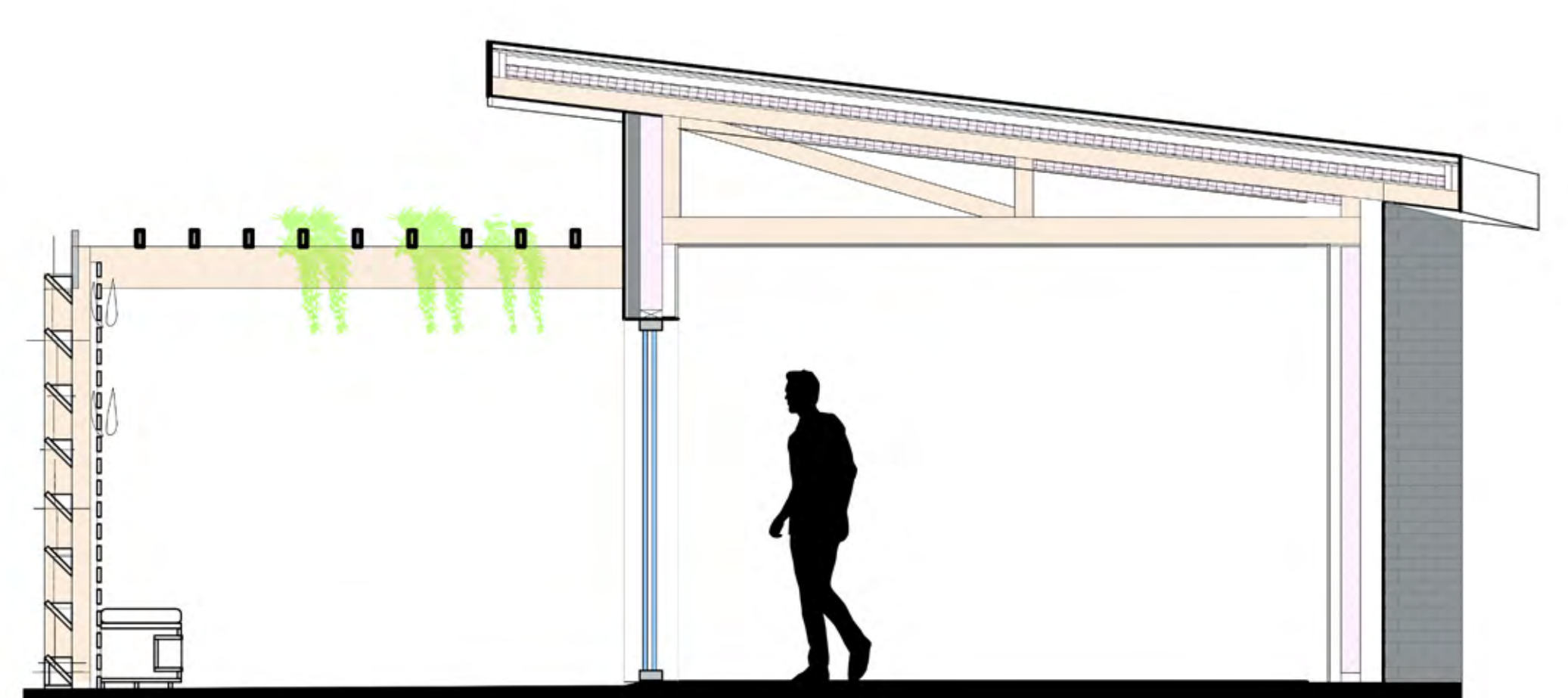
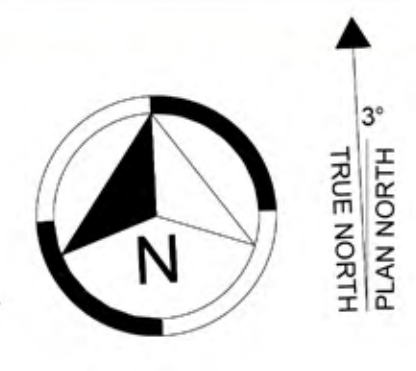




D-D



1 URBAN AGRICULTURAL HOUSE - LEVEL 01 PLAN  
 3/16" = 1'-0"



B-B



