# STREET PLANTERS FOR DOWNTOWN

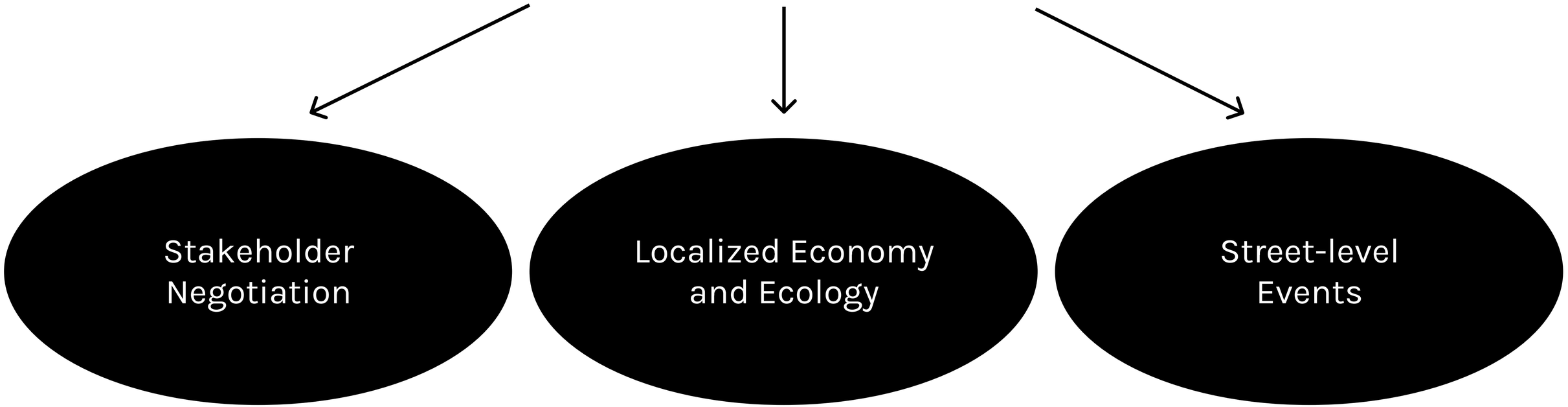


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UT 230 / DESIGN & URBAN INQUIRIES

# How can we build community interactions on the street level?

**How can we build community interactions on the street level?**



street planters / inquiry / **object selection**

Object **availability** gives citizens agency in how they experience their community.

**economy**

**ecology**

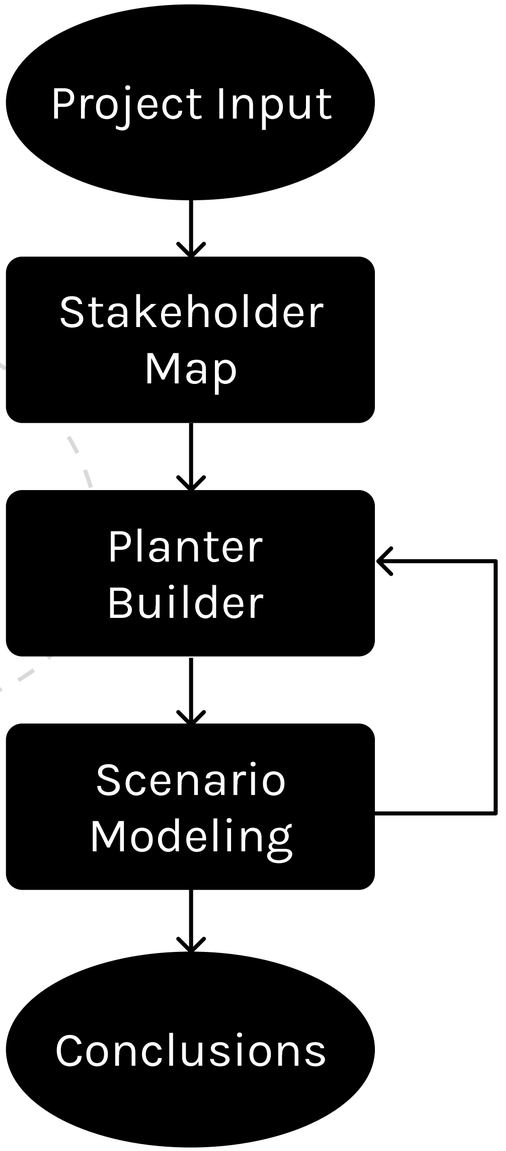


Object **temporality** creates events and accentuates seasons

Object **portability** encourages adaptive spaces

**agency**

# street planters / **task flow**




Shares the decision-making process with other **community stakeholders**.

Encourages reuse of **reclaimed street furniture** and promotes **native ecology**.

Tests inquiry by assessing **street-level interactions** and **scenario events**.

**1.** User (project owner) inputs the context and needs of their project.

**2.** We analyze associated stakeholders in the area and generate a list of priority needs.

**3.** User builds their street planter and arrangement informed by an assessment of identified needs.

**4.** We simulate the user-built planter arrangement against a pedestrian and traffic flow model.

**5.** User is given resources and next step instructions to realize their street planter project.




## Hyperion Coffee Co.

Project Owner

Business

Coffee shop on W Liberty St that wants to have planters for outdoor seating in the spring/summer seasons. Planters will be used during active hours of operation.

**attraction**

**portability**

**separating**



## Customers

Project User

Your primary customer base is students. The activities engaged at your establishment may include:

- Grab to-go coffee
- Focused work or studying
- Coffee chats
- Casual conversations

**privacy**

**aesthetics**

**safety**



## Public Works

Stakeholder 1

The City of Ann Arbor Public Works department is responsible for the routine maintenance of public infrastructure, including streets.

To use the sidewalk for your business, you would need to apply for a Sidewalk Occupancy Permit with the City.

**maintenance**

**aesthetics**

**construction**



## Adjacent Businesses

Stakeholder 2

Your project may impact the operations of nearby businesses:

- West Side Book Shop
- Ann Arbor Art Center (A2AC)
- The Pretzel Bell
- Alley Bar

**attraction**

**accessibility**

**privacy**



## Pedestrians

Stakeholder 3

West Liberty Street is a moderately to heavily trafficked pedestrian road on weekends. Some types of pedestrians to consider include:

- Families
- Elderly
- Pet-owners
- Persons with disabilities

**accessibility**

**safety**

**aesthetics**

PRIORITY MULTIPLIER (PROJECT OWNER)

PRIORITY MULTIPLIER (STAKEHOLDER)

COMPATIBILITY SCORE (1-5)




- **attraction** x3
  -  x4
  -  x3
  -  x2
  -  x1
- **portability** x2
- **separating** x1

- **privacy** 3
- **aesthetics** 2
- **safety** 4

**Need Composite Score =**
Sum of Priority Multipliers * Compatibility Score

# street planters / priorities / **planter assessment**

STAKEHOLDER MAP | **PLANTER BUILDER** | SCENARIO MODEL

**Urban Object Breakdown** — **PLANTER** - FURNITURE - TIME - SPACE

OBJECT | PART | ATTRIBUTE | VARIATIONS

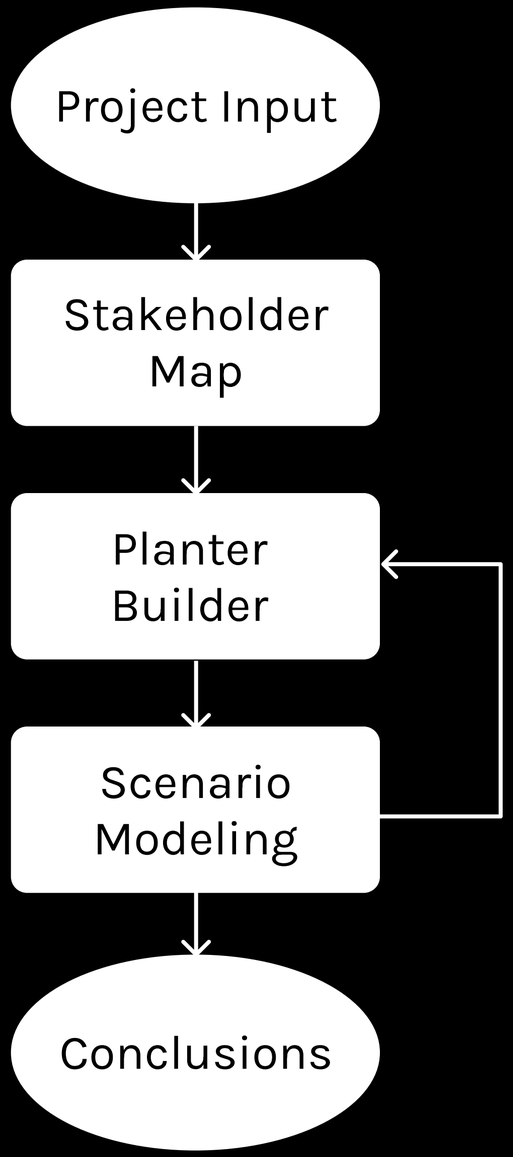
- **PLANTER**
  - plants
    - light
      - shade
      - sun
    - height
      - < 1ft
      - 1 - 2ft
      - > 2ft
    - blooming season
      - spring
      - summer
      - fall
    - flowering
      - y
      - n
  - soil
    - type
      - top soil
      - potting soil
    - moisture
      - dry
      - mesic
      - wet

**Priorities**

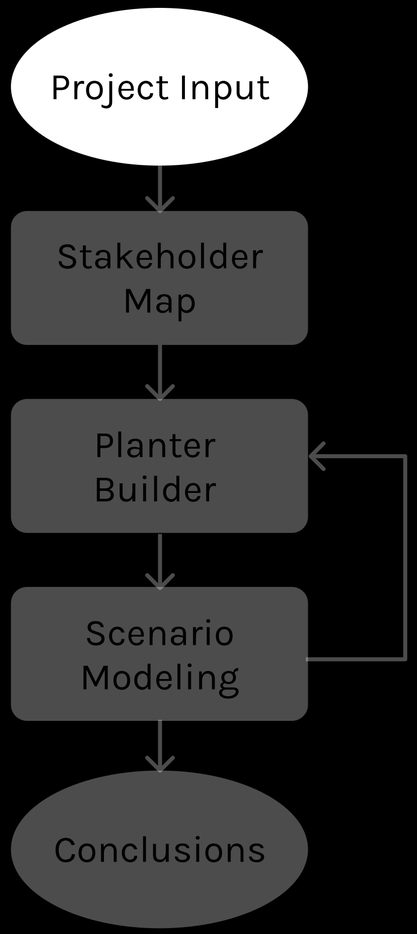
RANGE
-1 - not compatible | 0 - neutral | 1 - compatible

| | attraction | portability | separating | aesthetics | safety | privacy | maintenance | accessibility |
|---|---|---|---|---|---|---|---|---|
| light: shade | | | | | | | | |
| light: sun | | | | | | | | |
| height: < 1ft | | 1 | | | | -0.3 | | |
| height: 1 - 2ft | | 0.3 | 0.5 | | | 0.8 | | |
| height: > 2ft | | -0.8 | 0.8 | | | 1 | | |
| blooming season: spring | | | | | | | | |
| blooming season: summer | | | | | | | | |
| blooming season: fall | | | | | | | | |
| flowering: y | 0.8 | -0.3 | | 1 | | | | |
| flowering: n | -0.3 | | | -0.5 | | | | |
| soil type: top soil | | -0.3 | | | | | 0.8 | |
| soil type: potting soil | | 0.5 | | | | | -0.8 | |
| moisture: dry | | | | | | | 0.5 | |
| moisture: mesic | | | | | | | -0.3 | |
| moisture: wet | | | | | | | -0.5 | |

# street planters / **interface demonstration**



# street planters / **project input**




## STREET PLANTERS FOR DOWNTOWN

about search help

Add street planters to your downtown to diversify how you experience your community.

### HOW CAN WE BUILD COMMUNITY INTERACTIONS ON THE STREET?

ENTER YOUR PROJECT NAME
↳ Hyperion Coffee Co.

ENTER YOUR PROJECT ADDRESS

SELECT YOUR PROJECT TYPE

- ○ Restaurant
- ● Cafe / Coffee Shop
- ● Outdoor Seating
- ○ Green Space
- ○ ENTER OTHER

SELECT YOUR PROJECT CONTEXT

PROJECT PLACEMENT

- ● Curbside
- ● Alleyway
- ○ Road Median
- ○ Green Space
- ○ Intersection
- ○ ENTER OTHER

TIMES OF USE

morning afternoon evening

SEASON

spring summer fall winter

ENTER YOUR PROJECT PRIORITIES

privacy accessibility attraction cost resilience maintenance safety portability separating channelizing redirecting noise reduction durability

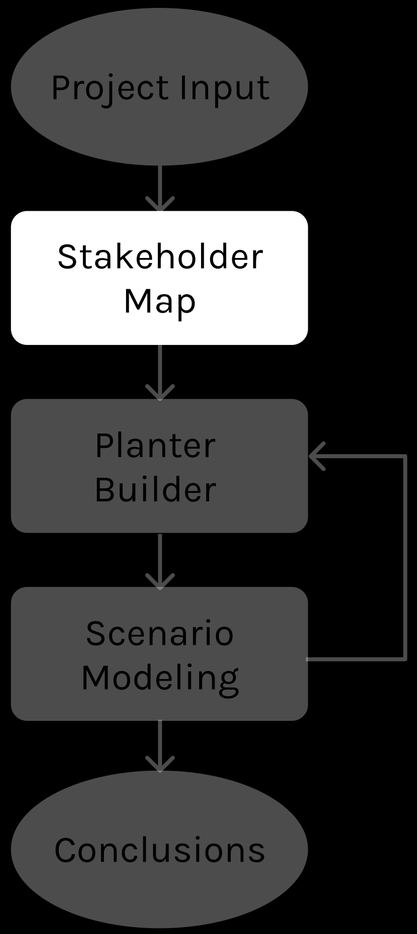
ENTER OTHER

RANK YOUR PRIORITIES

1. attraction
2. portability
3. separating

START

# street planters / **stakeholder map**




## STREET PLANTERS FOR DOWNTOWN

about search help

**Hyperion Coffee Co.**
111 W LIBERTY STREET

CONTEXT
cafe | outdoor seating | morning | afternoon | spring | summer

PROJECT PRIORITIES
attraction | portability | separating

STAKEHOLDERS

user Customer

1. Public Works

2. Adjacent Businesses

STAKEHOLDER SYNOPSIS

Your project may impact the operations of nearby businesses:

- West Side Book Shop
- Ann Arbor Art Center (A2AC)
- Pretzel Bell
- Alley Bar

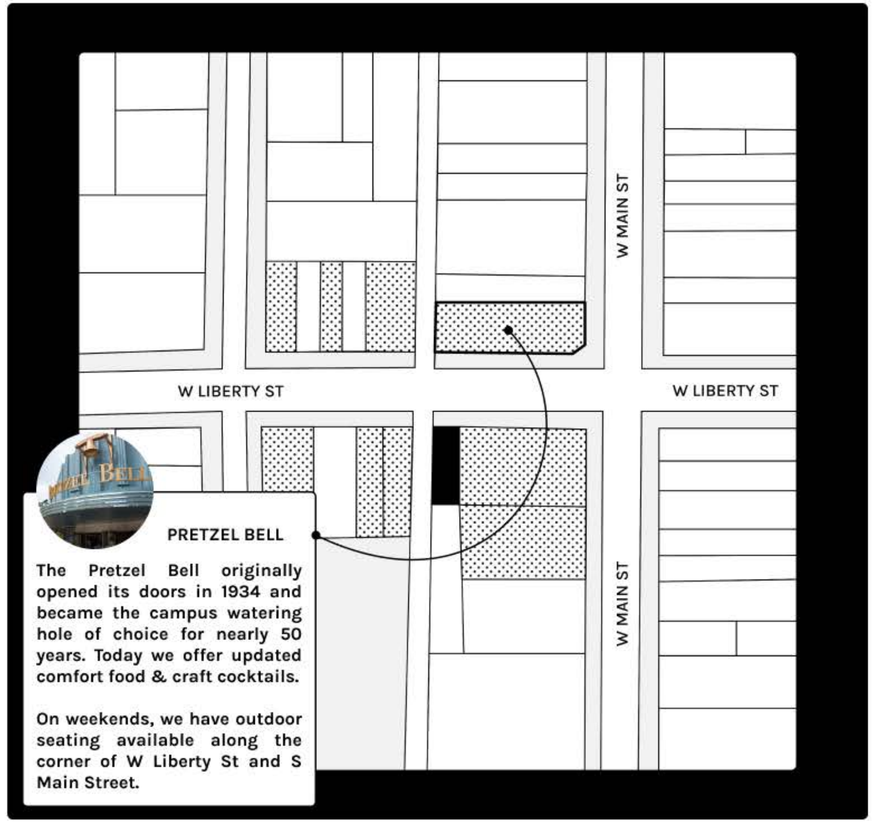
Hover over each business to learn more.

attraction
accessibility
privacy

3. Pedestrians

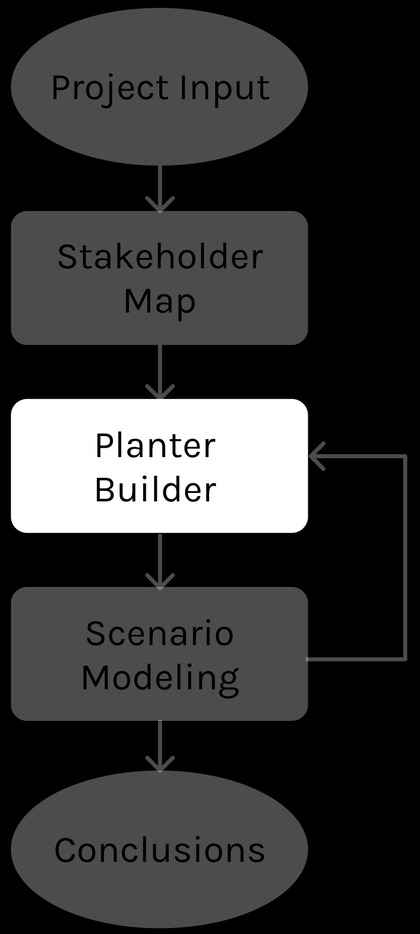
PRIORITY ANALYSIS
SELECT ADDITIONAL PRIORITIES TO CONSIDER

aesthetics | safety | privacy | maintenance | accessibility | construction



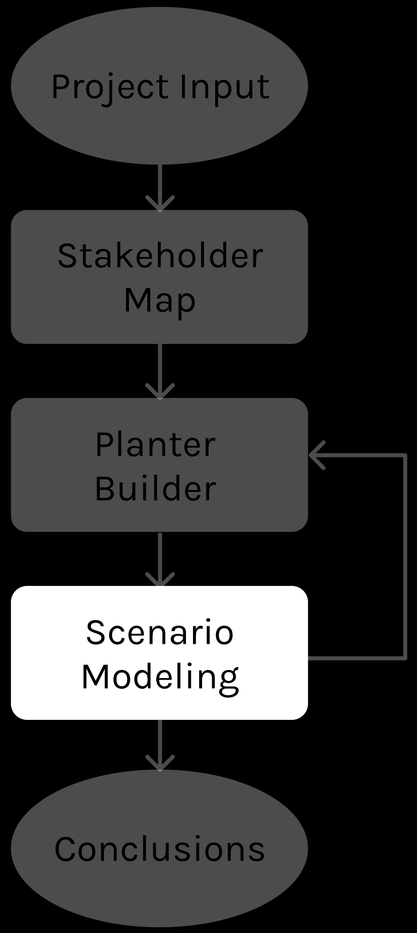

STAKEHOLDER MAP | PLANTER BUILDER | SCENARIO MODEL

# street planters / **planter builder**






# street planters / **scenario modeling**




## STREET PLANTERS FOR DOWNTOWN

about search help

**Hyperion Coffee Co.**
111 W LIBERTY STREET

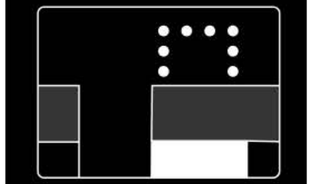
CONTEXT
cafe | outdoor seating | morning | afternoon | spring | summer

PROJECT PRIORITIES
attraction | portability | separating | aesthetics | safety | privacy | maintenance | accessibility

PLANTER DESIGN

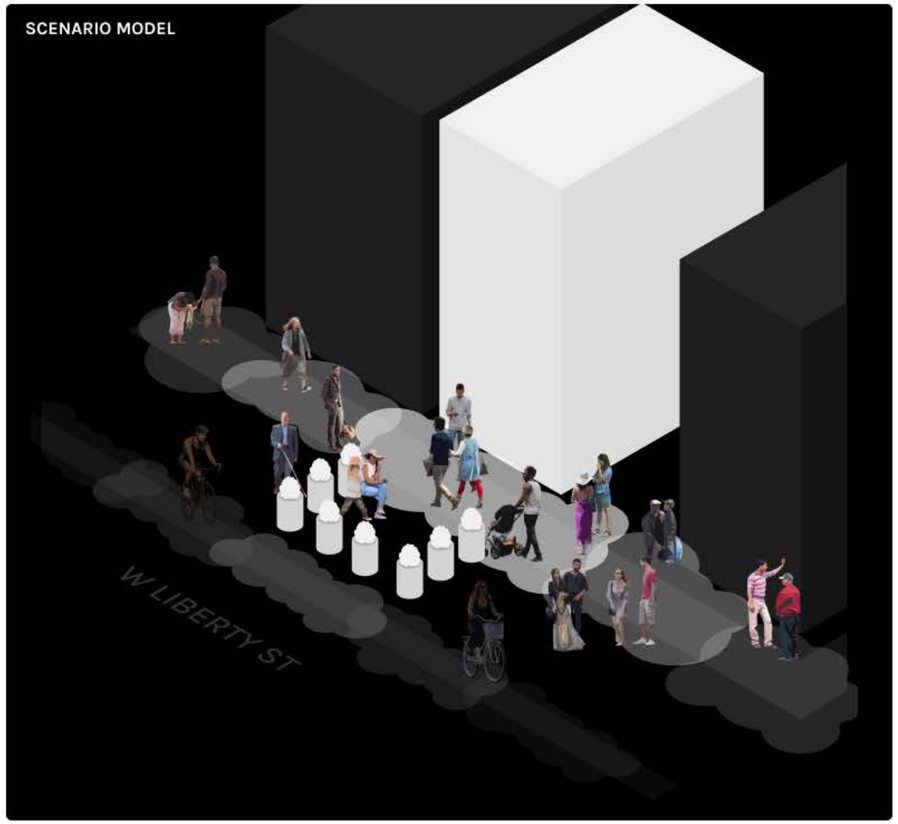


PLANTER ARRANGEMENT



VIEWS
pedestrian | cyclist
morning | afternoon | evening

SCENARIO MODEL




SELECT A SCENARIO
traffic flow | attraction | portability | safety | privacy | maintenance | accessibility

TRAFFIC FLOW SYNOPSIS

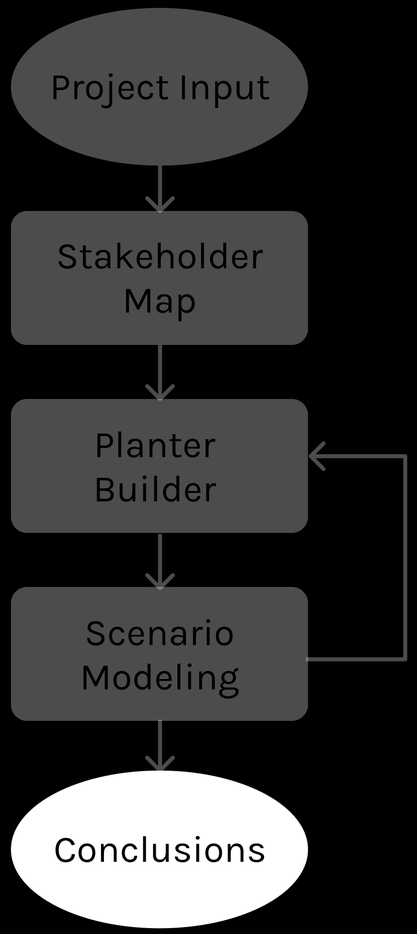
The traffic flow implications of your planter and configuration design is positive overall. Your planter arrangement is visible enough to signal to pedestrians and cyclists that they should go around.

This configuration especially attracted customers from adjacent businesses to visit your store front.

While your configuration promotes attraction to your coffee shop, during peak hours there will be more congestion in front of your building. This may decrease the visibility of your planters, which could impact privacy and safety.

← STAKEHOLDER MAP | PLANTER BUILDER | SCENARIO MODEL DONE!

# street planters / **conclusions**




## STREET PLANTERS FOR DOWNTOWN

about search help

PROJECT NAME

↳ **Hyperion Coffee Co.**

**PROJECT CONTEXT**

cafe | outdoor seating | morning | afternoon | spring | summer

**PROJECT PRIORITES**

attraction | portability | separating | aesthetics | safety | privacy | maintenance | accessibility

**STAKEHOLDERS**

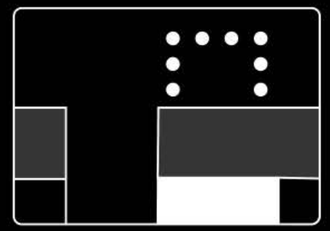
user Customer

1. Public Works
2. Adjacent Businesses
3. Pedestrians

**PLANTER DESIGN**



**PLANTER ARRANGEMENT**



DIAGRAMS | ANALYSIS

**NEXT STEPS**

Here's a quick overview on how to get started on your project.

1. Apply for necessary permits
2. Acquire furniture
3. Modify furniture for planter use
4. Acquire plants and soil
5. Plant your plants
6. Implement street planters

**RESOURCES**

We won't leave you hanging! Below are links to resources to complete your project.

Permit Application | Furniture Inventory | DIY Resources | Planting Instruction | Maintenance Guide

PRINT PDF INSTRUCTIONS | START A NEW PROJECT

# street planters / **takeaways**

Learns more about their environment beyond the urban



Gains awareness of community actors

Create something tangible for their community

**Resources**:

- **Nonscandanavia**, http://www.nonscandinavia.com/cutouts
- **The Native Plant Nursery**, http://www.nativeplant.com/plants/list_plants
- **Tactical Urbanist's Guide**, http://tacticalurbanismguide.com
- **U.S. Census**, https://www.census.gov/quickfacts/fact/table/annarborcitymichigan/PST040221

**References**:


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- https://www.a2dda.org/
- https://granicus.com/blog/strategies-of-community-engagement-tactical-urbanism
- https://pollinator.art/