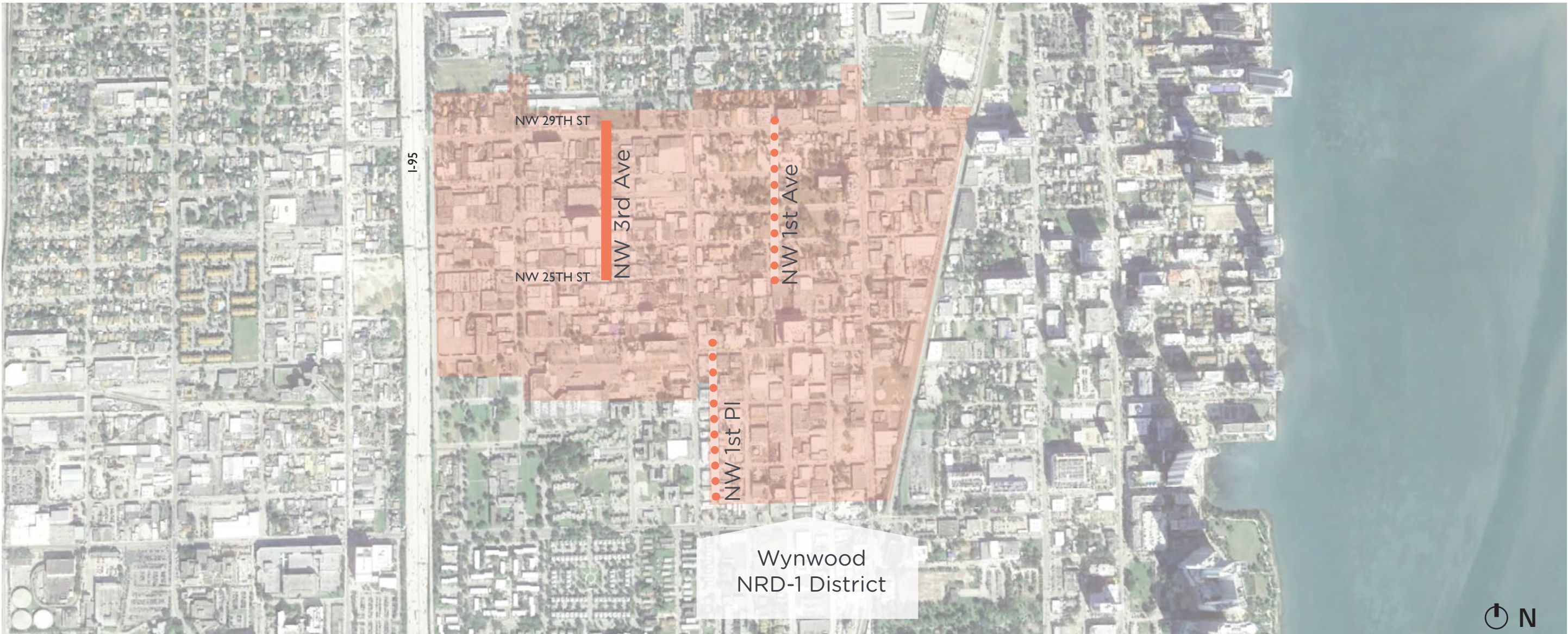


# WYNWOOD WOONERF SCHEMATIC DESIGN

NW 3rd Avenue

# WYNWOOD WOONERF | NW 3RD AVE PILOT

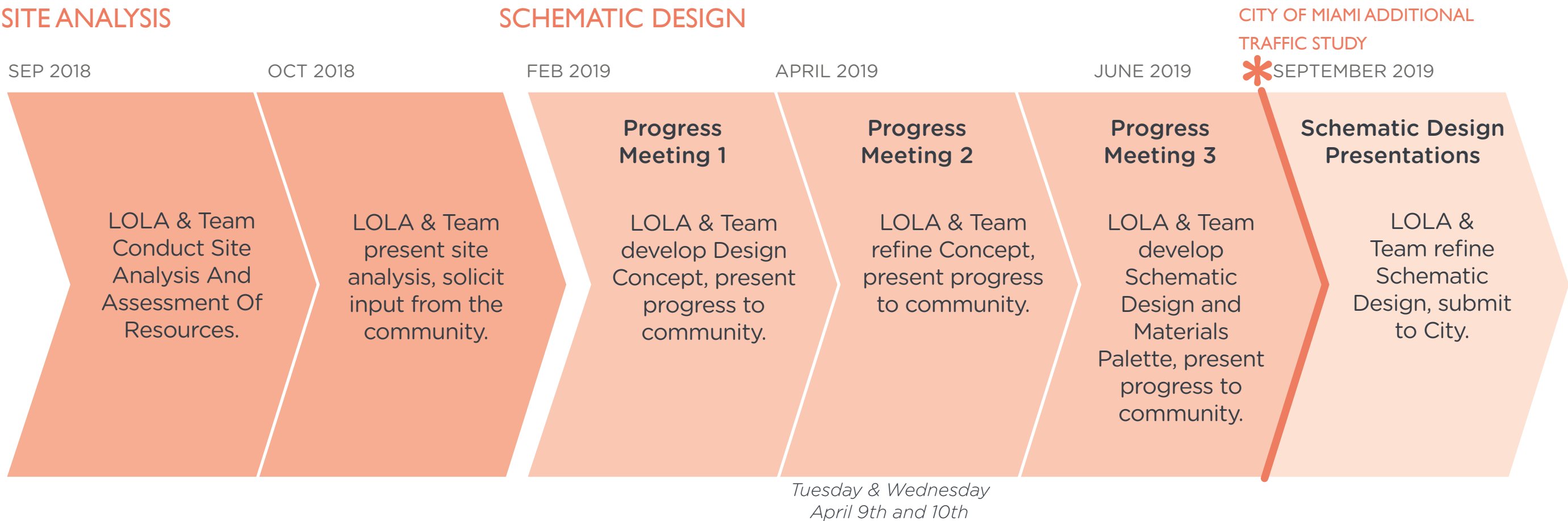
A dynamic new street design developed to convert a public thoroughfare into a pedestrian primary zone which acts as a public open space



- ● ● ● ● Planned Woonerfs
- █ Pilot Woonerf



# PROJECT PROCESS AND TIMELINE



# Design Concept Review

























































































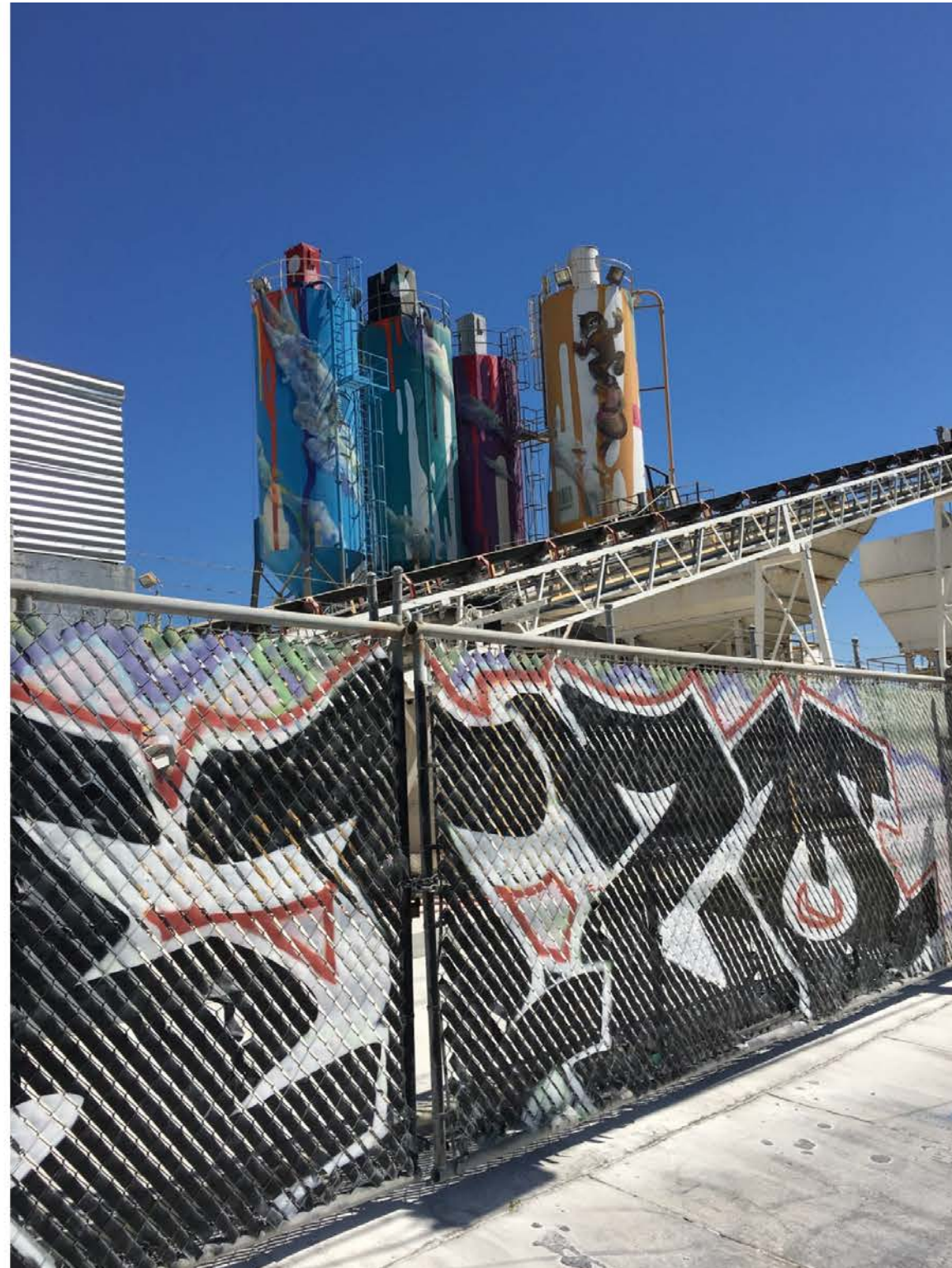








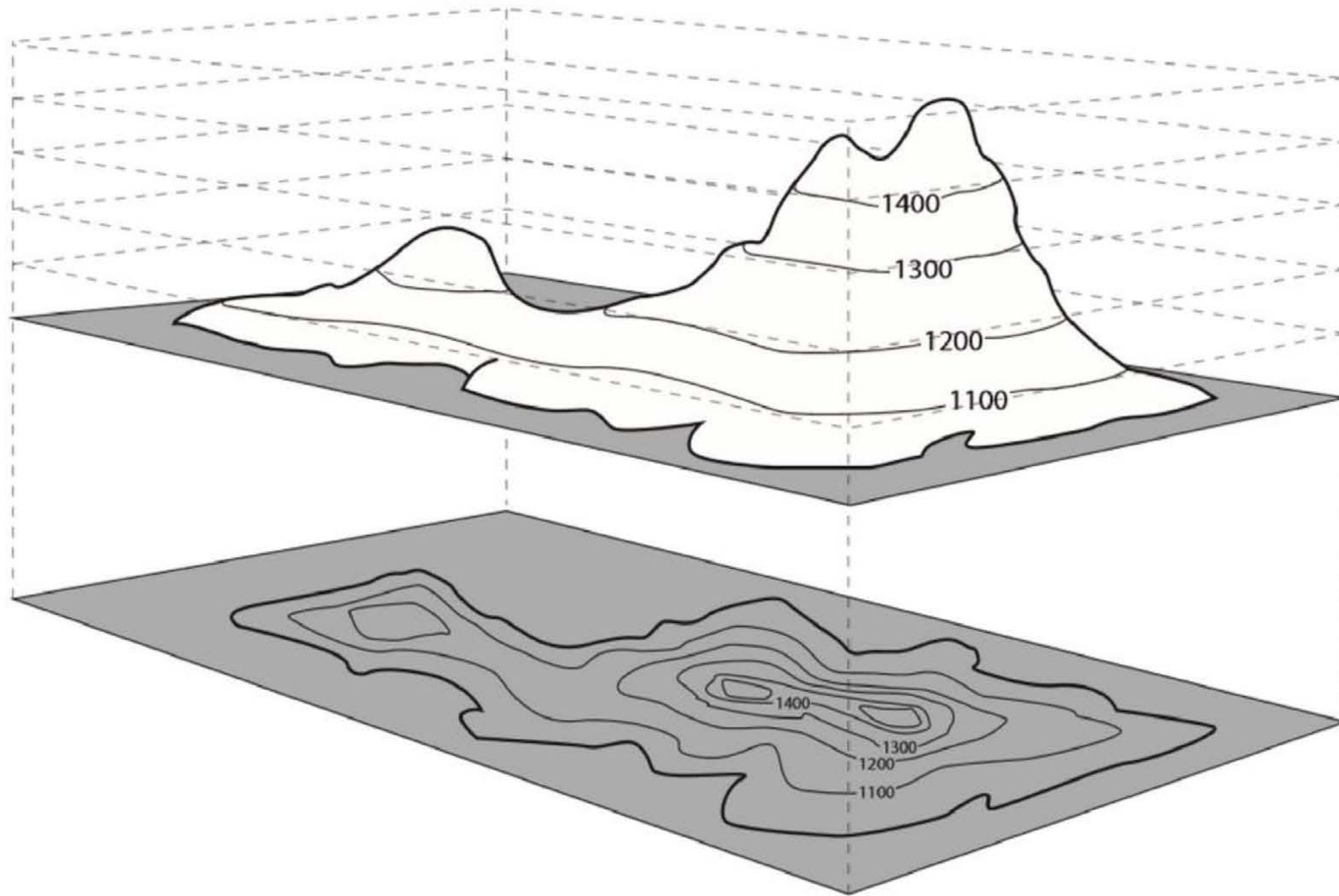














































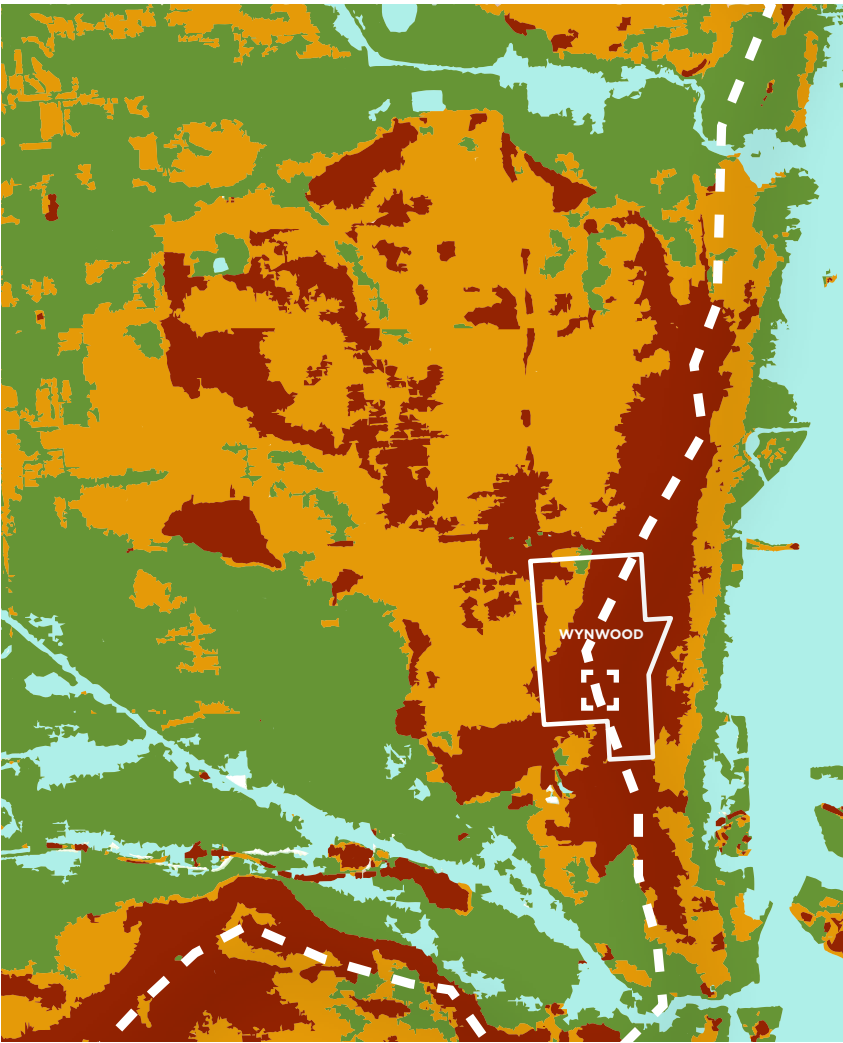
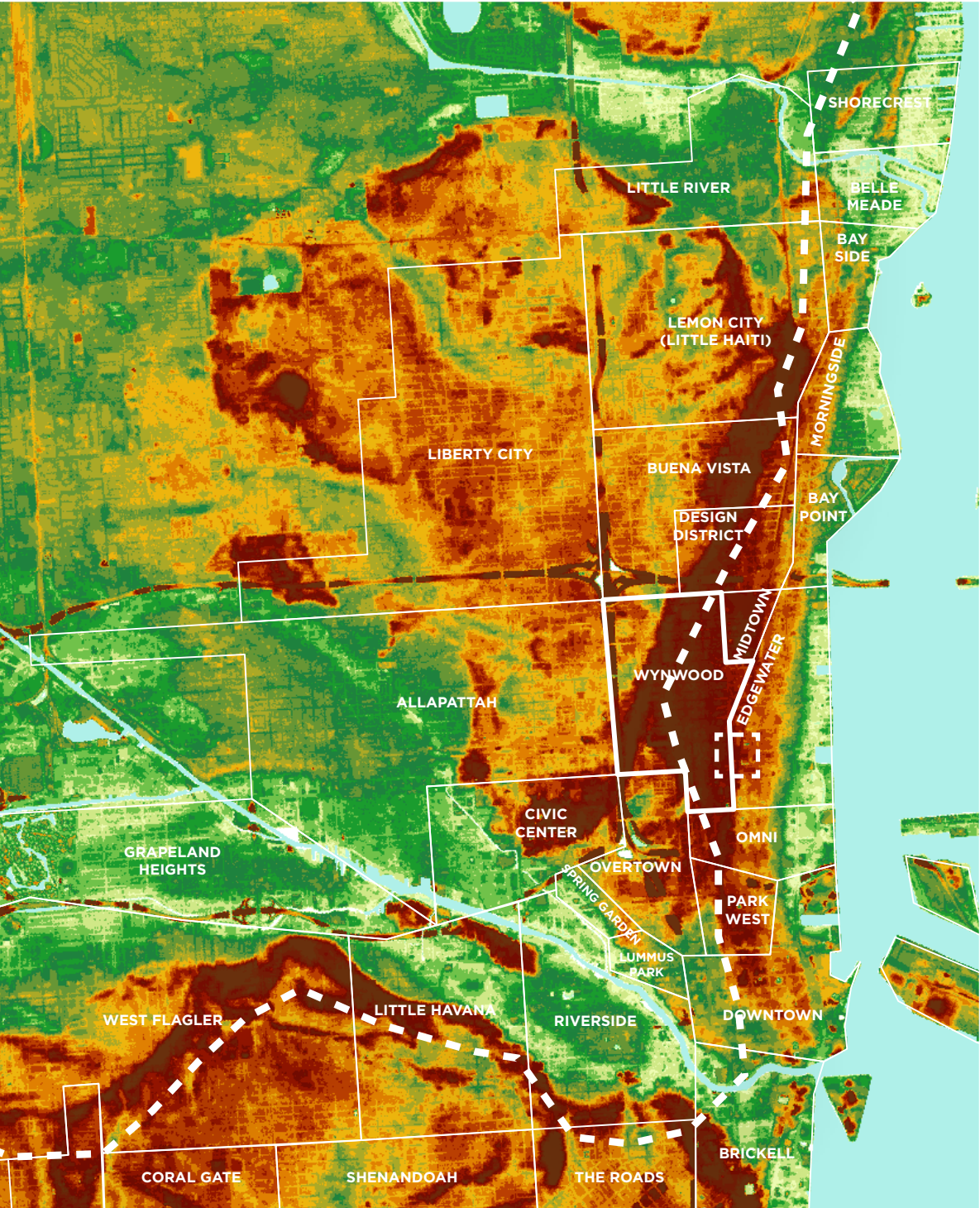
# STREET FLOODING PHOTOS



Source: City of Miami



# BISCAYNE 'ISLAND' ELEVATION



ELEVATION ANALYSIS

Primary Ridgeline

High Elevation (+12)

Mid Elevation (6-12)

Low Elevation (0-6)

Affected Block

Elevation

Low (+0) High (+17)

DATUM: NAVD 88

SOURCE: Miami-Dade County Information Technology Department (ITD), 2015

N 0 1 mi 2 mi

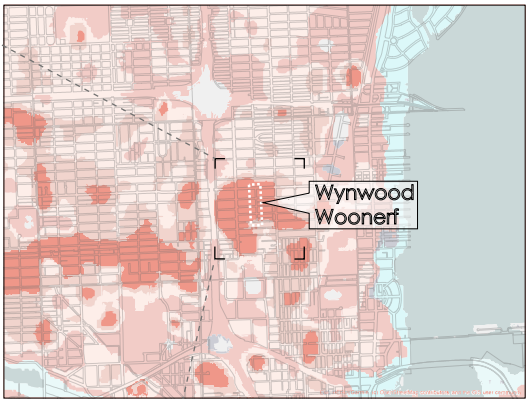
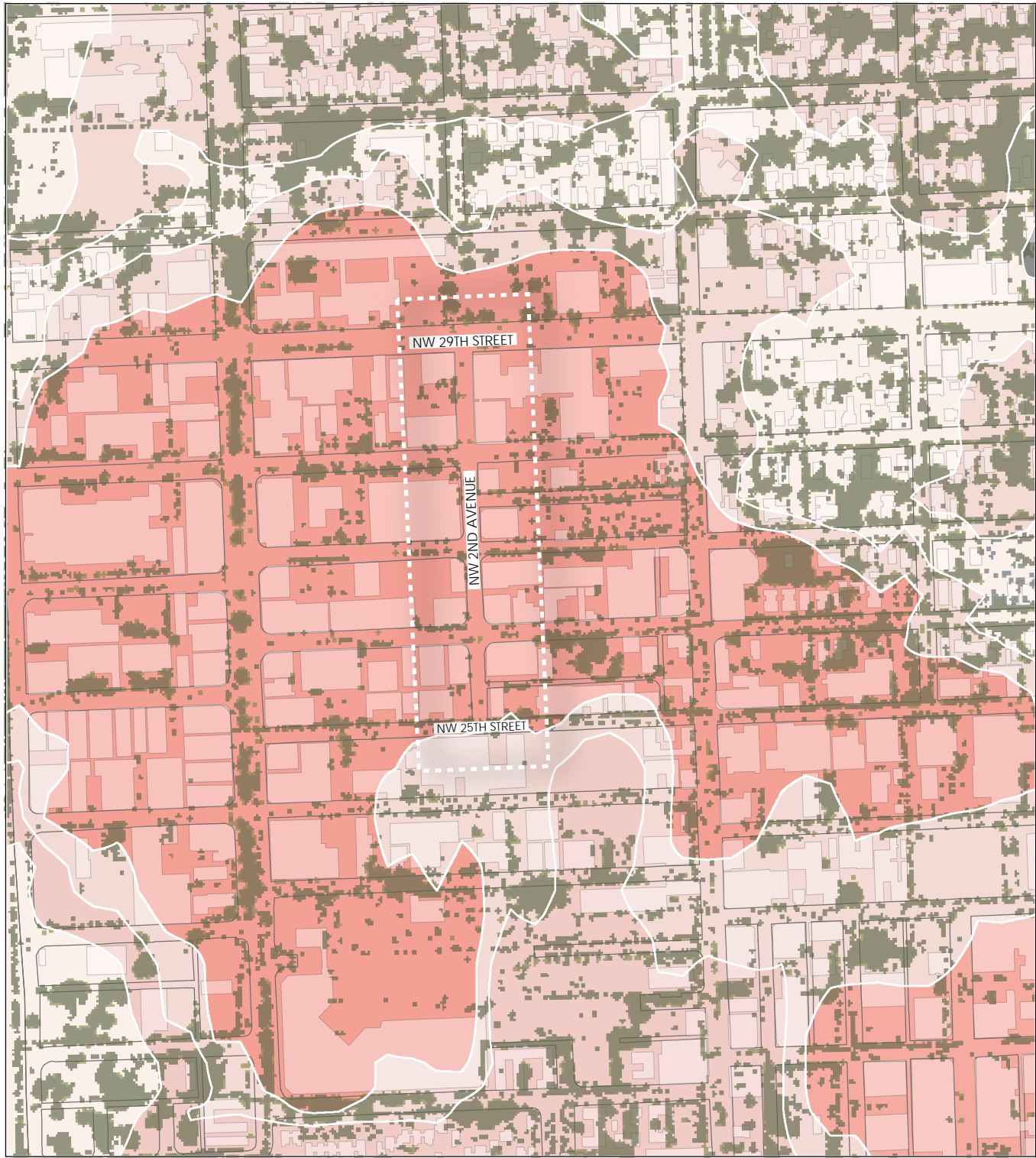


# NW 3RD SITE ELEVATION

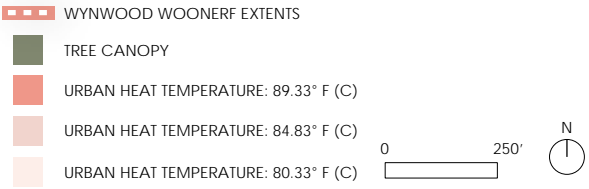




# URBAN HEAT AND TREE CANOPY



KEY PLAN



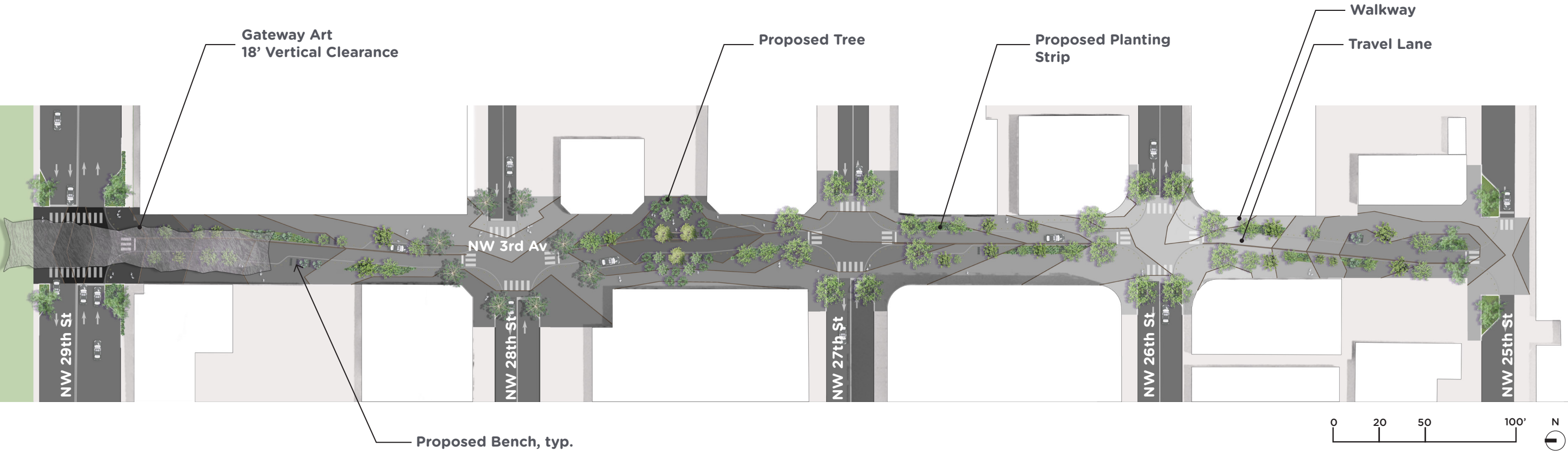


# Schematic Design



# SCHEMATIC PLAN

Woonerf Design





# GATEWAY ART

Opportunity for art at 29th Street and 3rd Ave.



*Patrick Shearn*



*Janet Echelman*



# CLIMATE CLOUD

Opportunity for art at 27th Terrace and 3rd Ave.



*Anish Kapoor*



*Fujiko Nakaya*



# MATERIALS PALETTE

PERMEABLE ASPHALT COLORS



Black base bitumen 70/100  
None



Black base bitumen 70/100  
1% white + 2% black



Sealoflex Color® 70/100  
2% white + 1% black



Sealoflex Color® 70/100 New Clear  
0.5% black + 2.5% white



Sealoflex Color® 70/100 New Clear  
0.25% black + 2.75% white



Sealoflex Color® 70/100  
3% white

METAL



Corten



Steel



Copper



Aluminum

RUMBLE STRIP



Belgian Block

FURNISHINGS



Movable furniture  
Forms+Surfaces - Vista



Bench  
mmcite - Onda



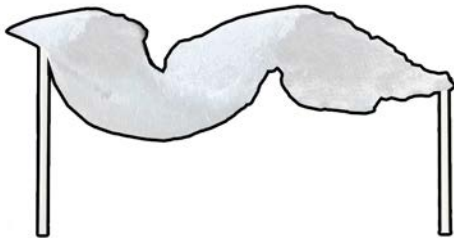
Bollard  
mmcite - Lot

LIGHT

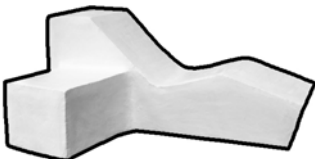
OPPORTUNITIES FOR COMMISSIONED ARTWORK



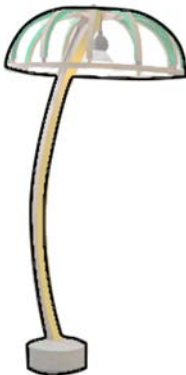
Movable furniture



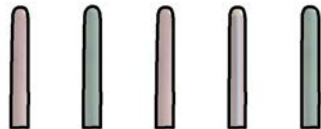
Gateway



Bench



Lighting



Bollard



Downspout



Manhole Cover



# Plant Palette

## Trees

LARGE TREES - 30'



Bald Cypress  
*Taxodium distichum*  
'Peve Minaret'



Green Buttonwood  
*Conocarpus erectus*



Jamaica Dogwood  
*Piscidia piscipula*



Gumbo Limbo  
*Bursera simaruba*



Pond Cypress  
*Taxodium ascendens*  
'Nutans'



Wild Tamarind  
*Lysiloma latisiliquum*

MEDIUM TREES - 20'



Pigeon Plum  
*Coccoloba diversifolia*



Cinnecord  
*Acacia coriophylla*



Black Ironwood  
*Krugiodendron ferreum*



Orange Geiger  
*Cordia sebestena*



Paradise Tree  
*Simarouba glauca*



Mastic  
*Sideroxylon foetidissimum*



Pond Apple  
*Anonna glabra*

SMALL TREES - 15'



Silver Buttonwood  
*Conocarpus erectus-sericeus*



Redberry Stopper  
*Eugenia confusa*



West Indies Lignum Vitae  
*Guaiacum oficinale*



Thatch Palm  
*Coccothrinax argentea*



Bahama Strongback  
*Bourerria succulenta*



Satinleaf  
*Chrysophyllum oliviforme*



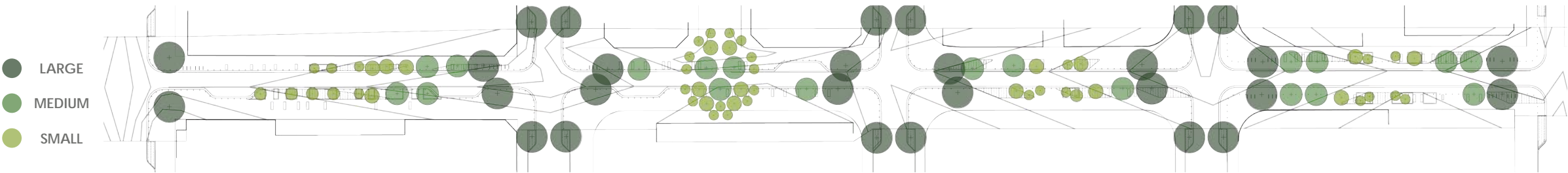
Cinnecord  
*Acacia coriophylla*



Fiddlewood  
*Citharexylum spinosum*



Joewood  
*Jacquinia keyensis*





# Plant Palette

## Perennials

COARSE TEXTURE



Agave  
*Agave attenuata*



Spanish Bayonet  
*Yucca aloifolia*



Saw Palmetto  
*Serenoa repens*

MEDIUM TEXTURE



Sea Lavender  
*Argusia gnaphalodes*



Beach Grass  
*Panicum amarum*



Coontie cycad  
*Zamia pumila*



Mangrove Fern  
*Acrostichum aureum*

FINE TEXTURE



Spanish Moss  
*Tillandsia usneoides*



Blue Sage  
*Salvia azurea*



Artillery Plant  
*Pilea serpyllifolia*



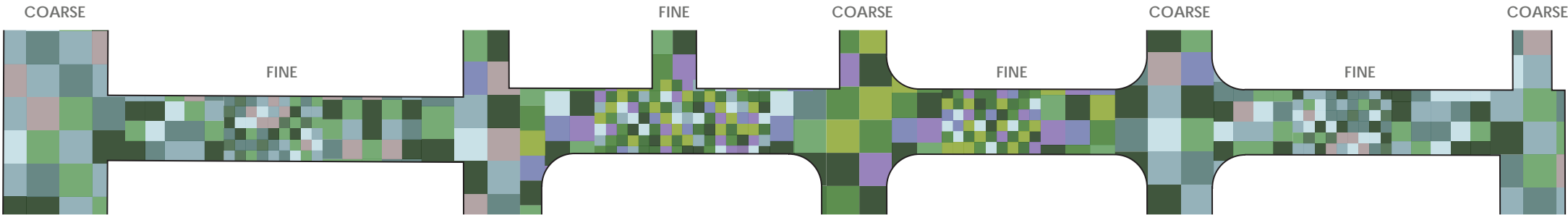
Devil's Backbone  
*Pedilanthus tithymaloides*



Texas Sage  
*Leucophyllum frutescens*



Porterweed  
*Stachytarpheta jamaicensis*



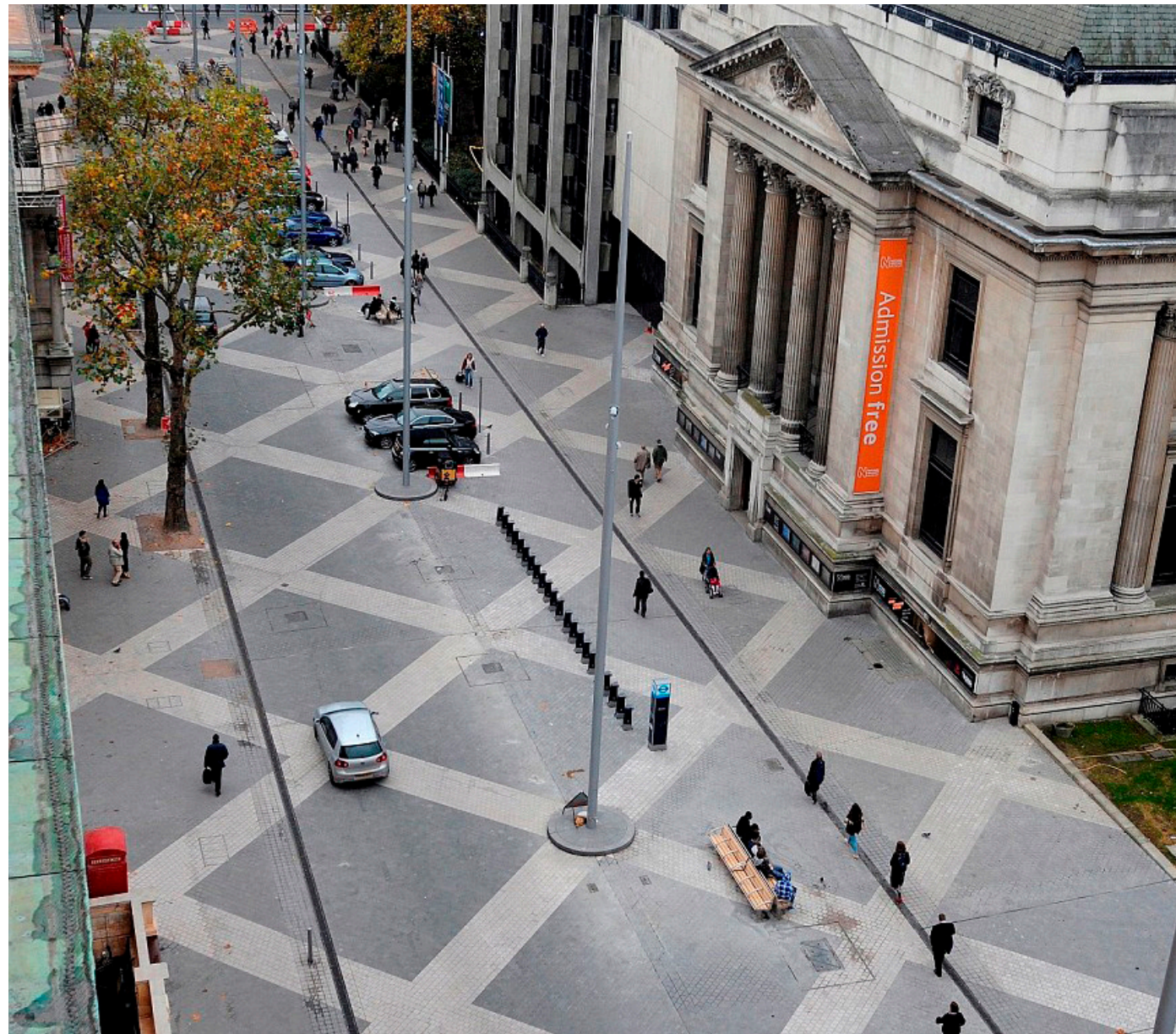


# Typical Block Design



# WOONERF PRECEDENT

Design Elements for Safety



Exhibition Road - London, UK





# WOONERF PRECEDENT

Design Elements for Safety



Bell Street Park - Seattle, WA





# WOONERF PRECEDENT

## Intersection Design



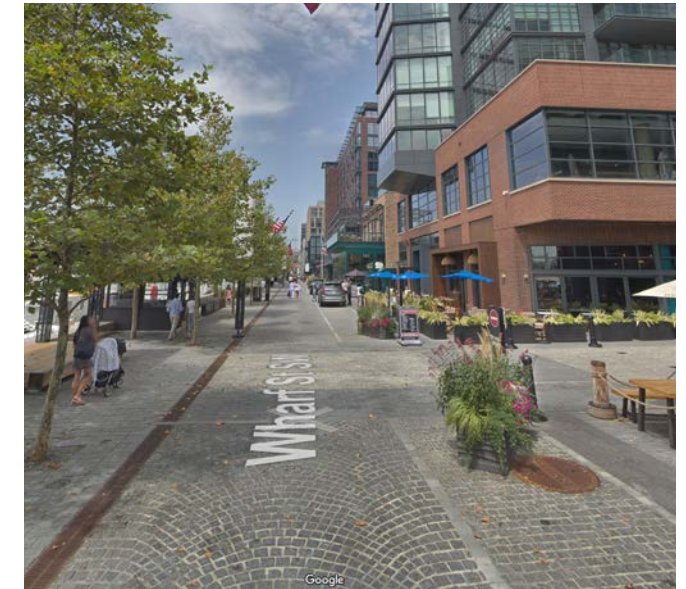
Bell Street Park - Seattle, WA  
Curb, Ramp, Offset Furnishings



Exhibition Road - London, UK  
Median, Bollards, Tree, Poles



The Wharf - Washington, DC  
Curb, Bollards, Planters



The Wharf - Washington, DC  
Bollards, Planters, Trees



Hoofdstraat - Emmen, NL  
Sign Posts, Trees, Furnishings



London Road - Poynton, UK  
Low Curb



Exhibition Road - London, UK  
Bike Rack, Poles

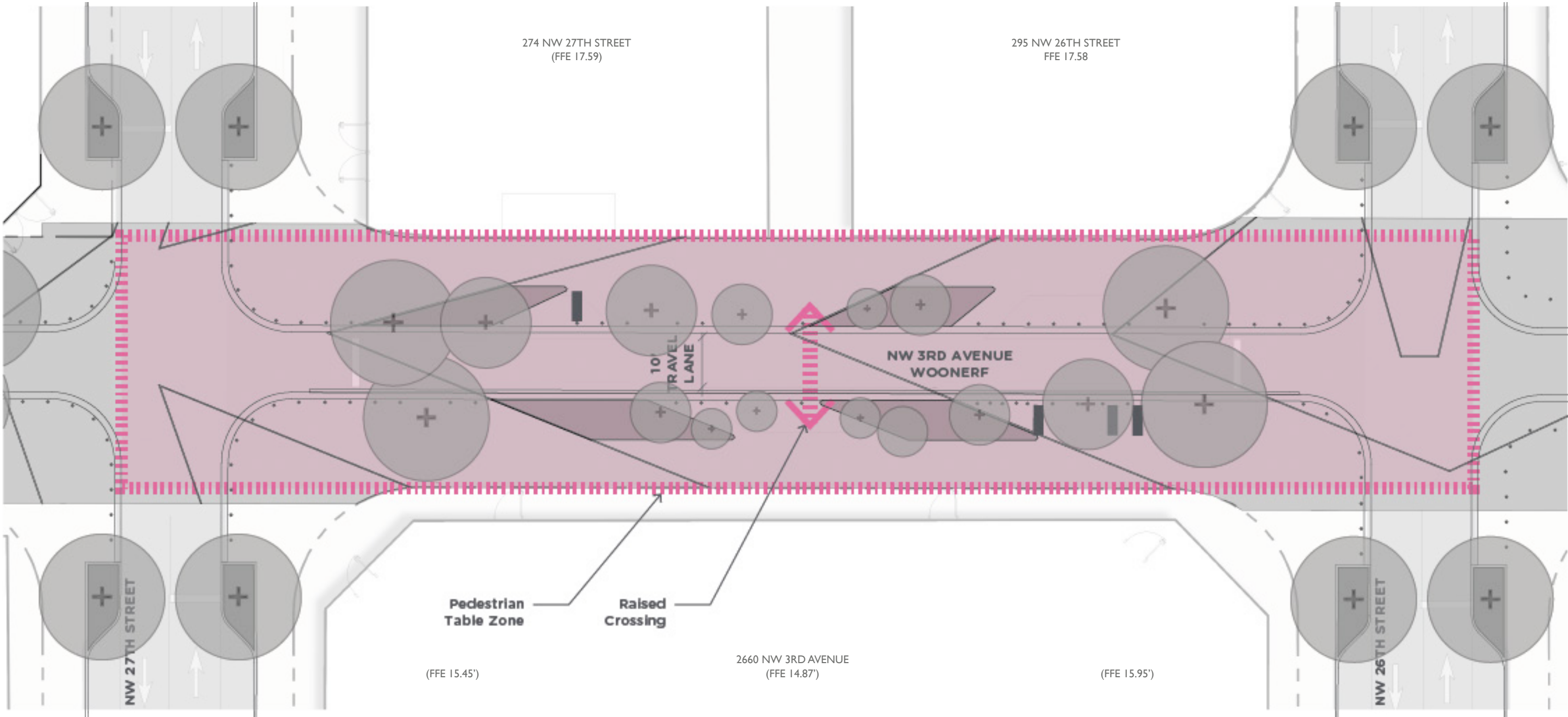


Købmagergade Street - Copenhagen  
Trees



# CURBLESS DESIGN

Typical Block Organization





# ACCESSIBILITY DESIGN

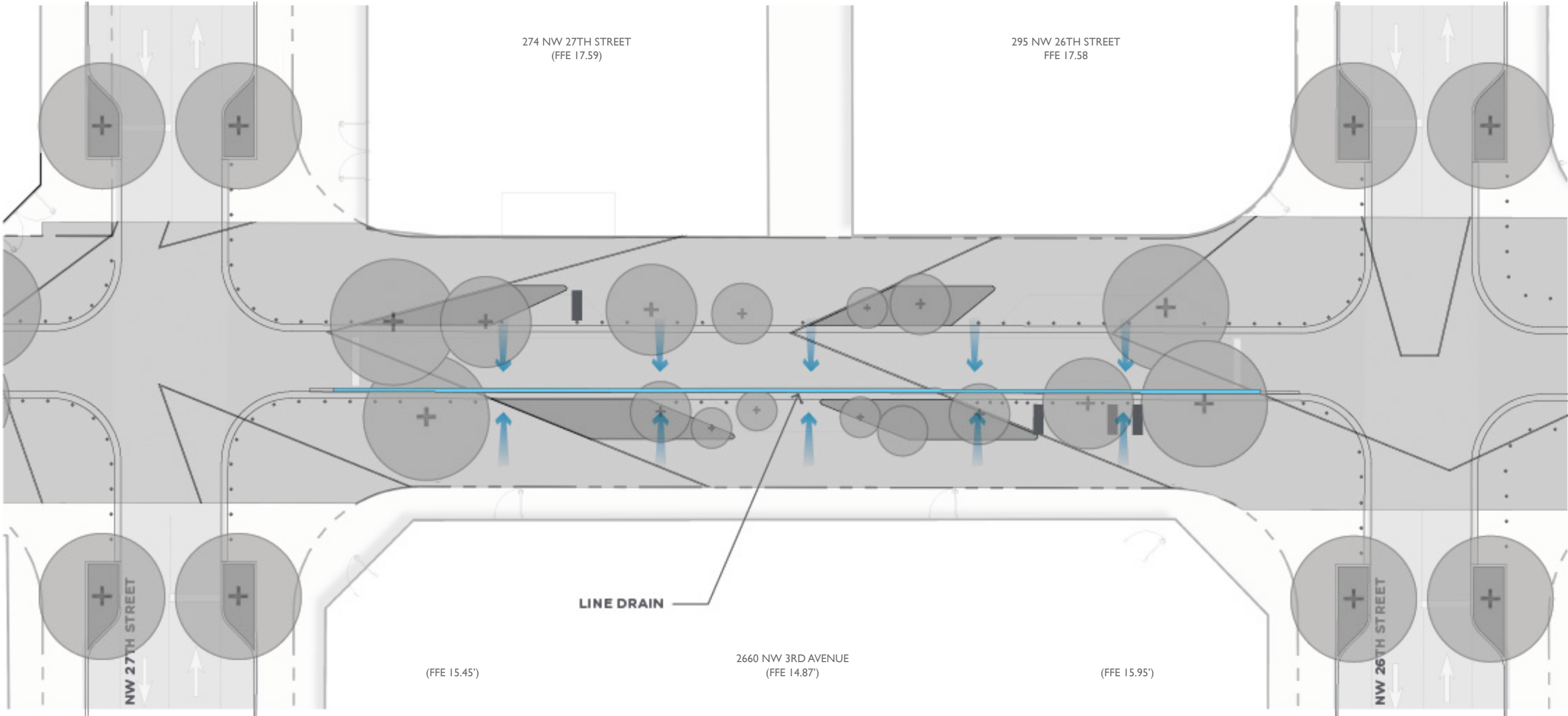
## Typical Block Organization





# DRAINAGE DESIGN

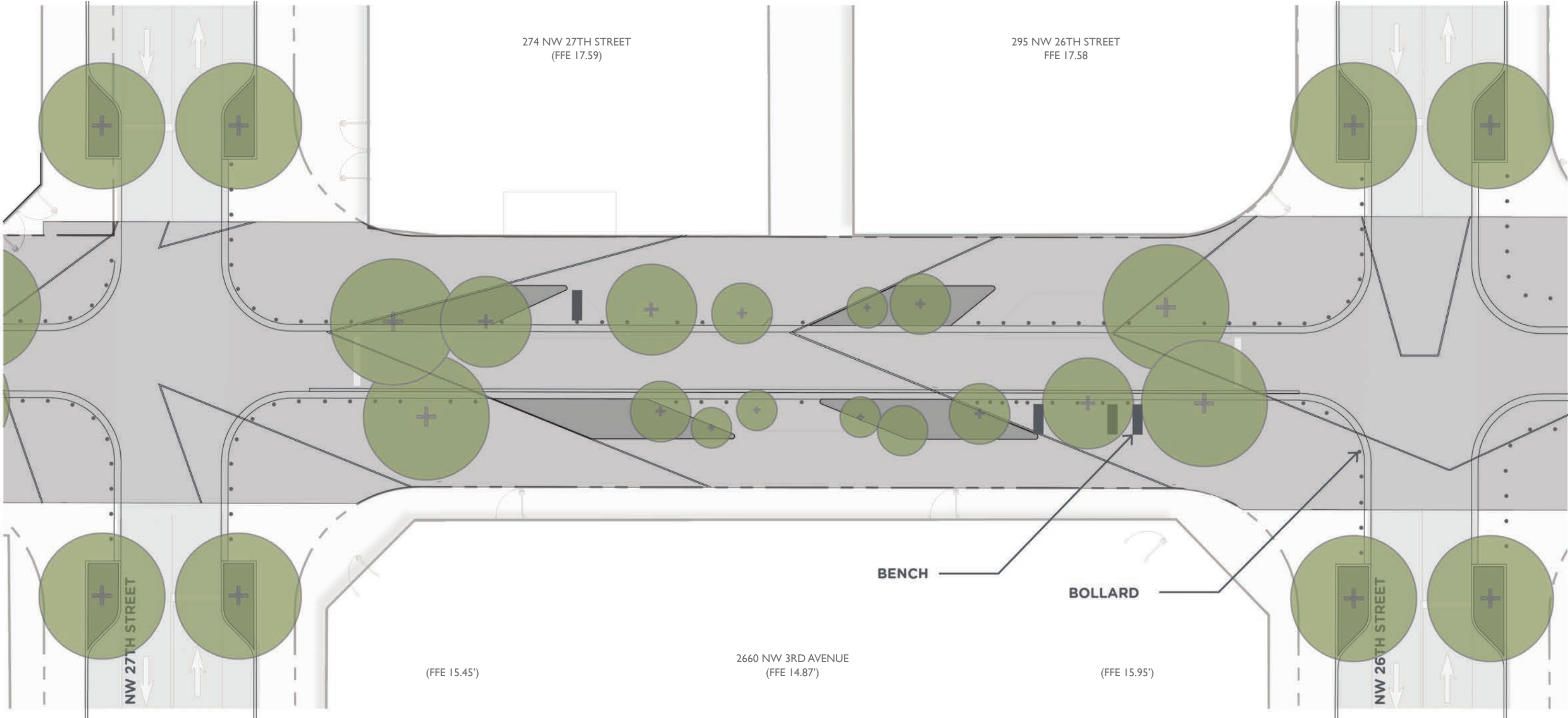
Typical Block Organization





# PEDESTRIAN SAFETY DESIGN

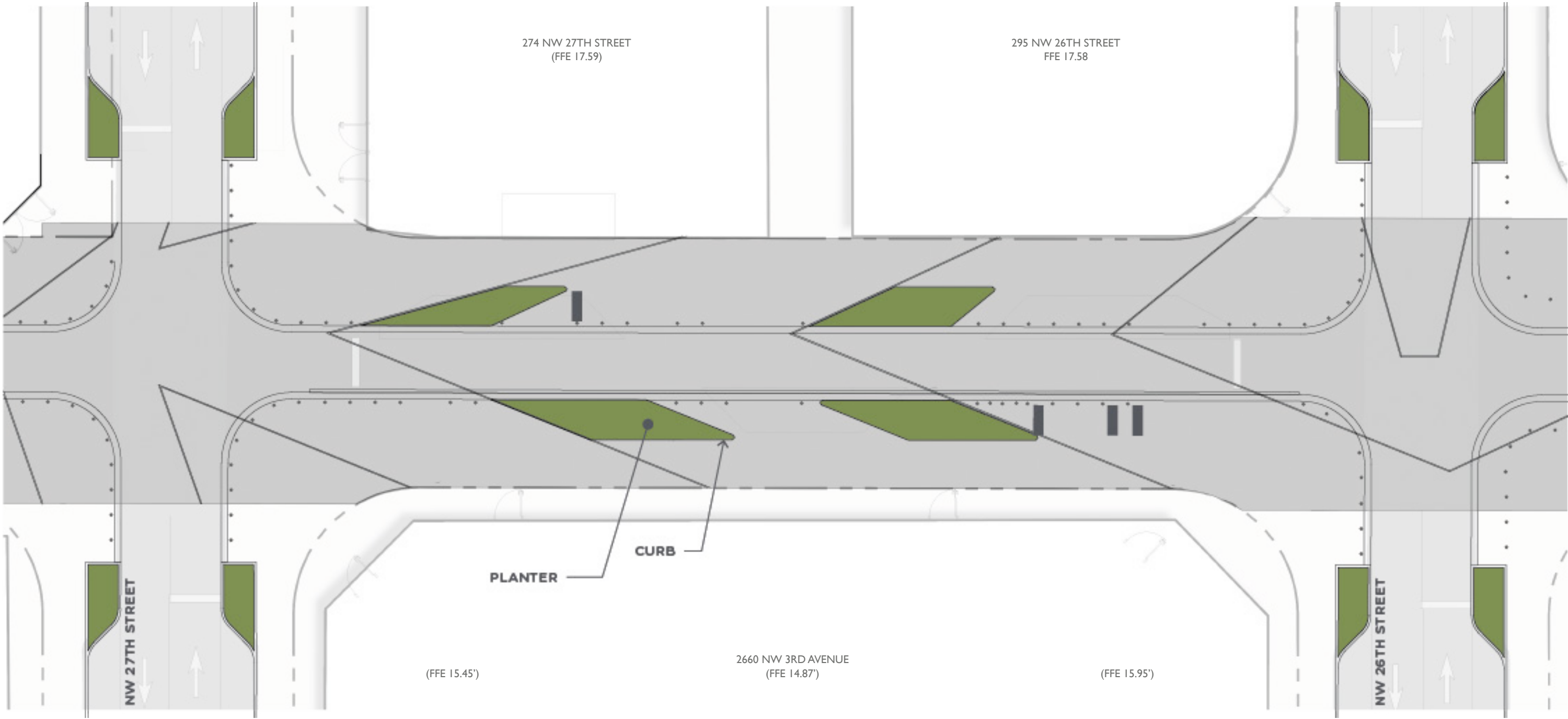
Typical Block Organization





# MID-BLOCK CROSSING DESIGN

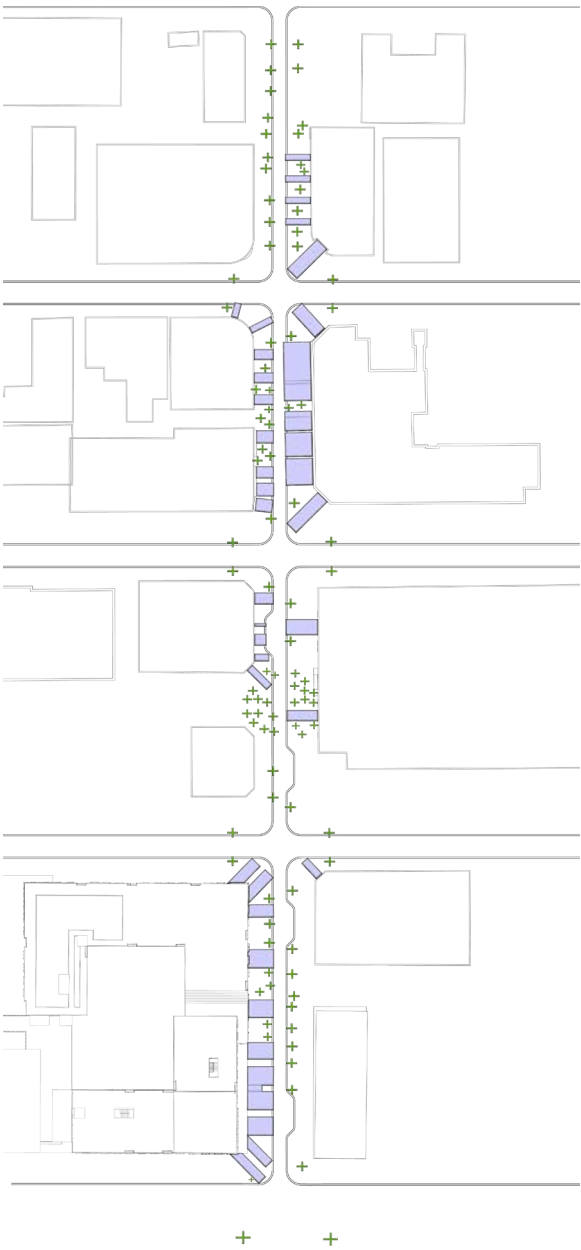
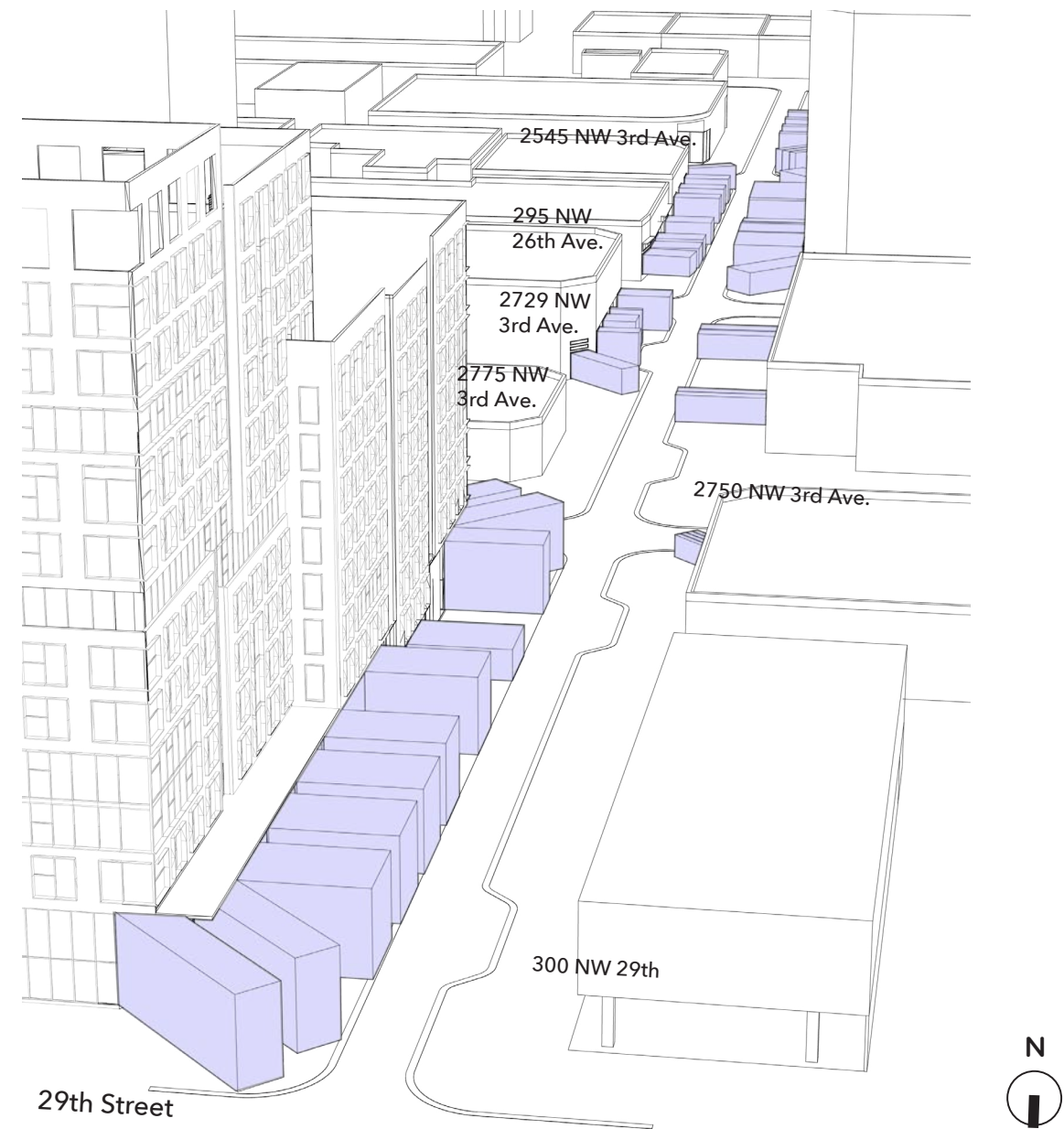
Typical Block Organization





# RETAIL VIEW CORRIDOR DESIGN

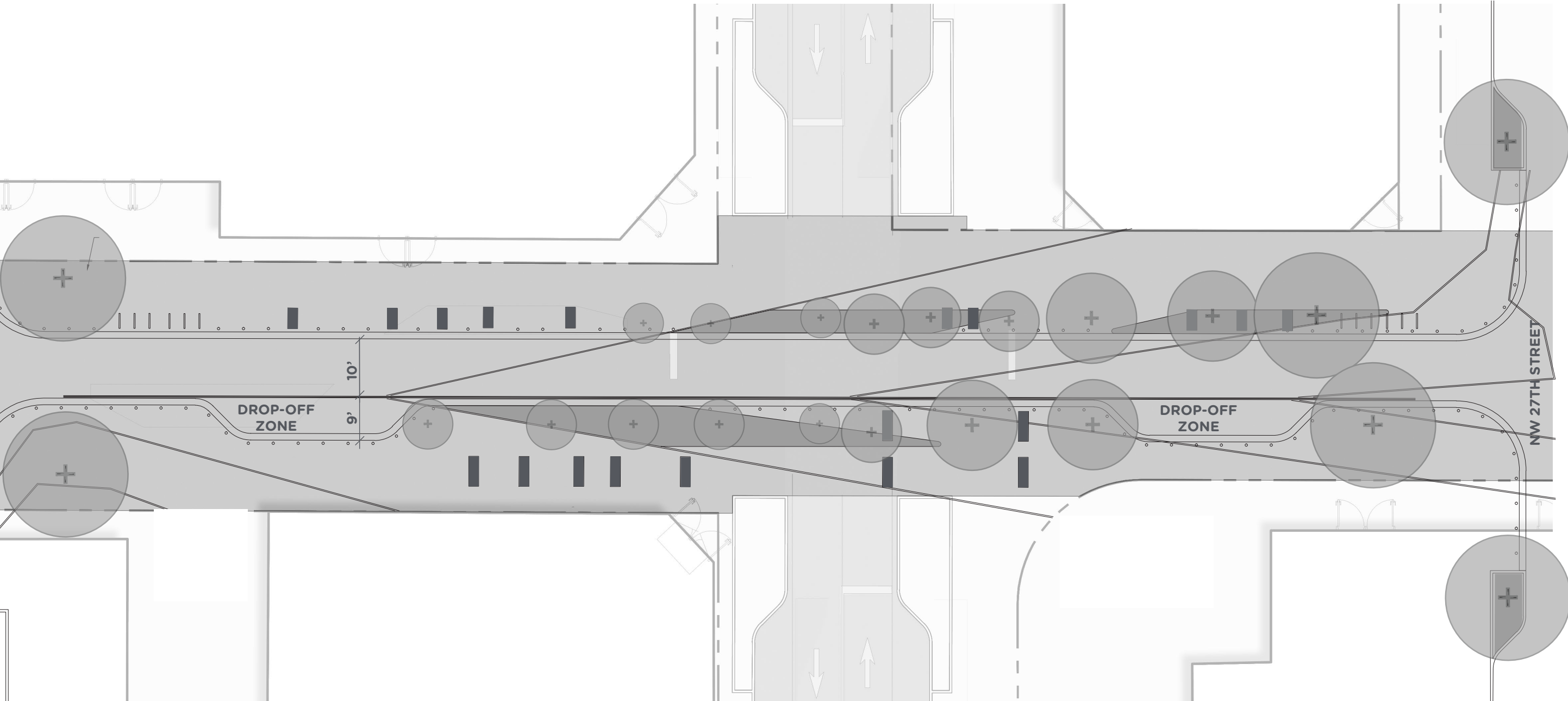
Woonerf Ground Floor Views





# VEHICLE STANDING ZONES

Typical Block Organization





# EMERGENCY VEHICLE DESIGN STANDARDS

## Apparatus Standard Dimensions

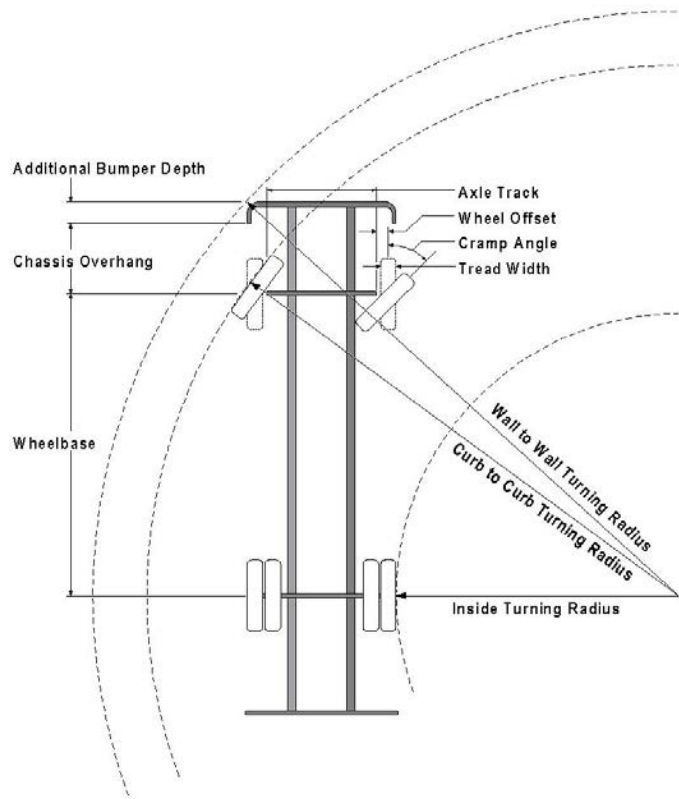


### Turning Performance Analysis

03/09/2018

**Bid Number:** 695  
**Department:** City of Miami

**Chassis:** Arrow XT Chassis, PAP/Midmount  
**Body:** Aerial, Platform 100', No Pump, Alum Body



Parameters:	
Inside Cramp Angle:	45°
Axle Track:	82.92 in.
Wheel Offset:	5.25 in.
Tread Width:	16.3 in.
Chassis Overhang:	68.99 in.
Additional Bumper Depth:	19 in.
Front Overhang:	135.6 in.
Wheelbase:	268 in.
Calculated Turning Radii:	
Inside Turn:	21 ft. 3 in.
Curb to curb:	37 ft. 11 in.
Wall to wall:	45 ft. 4 in.

Pumpers/Engines	Height:	10' 8"
	Width:	101"
	Length:	35' 7.75"
	GVW:	45,000 lbs



Quints	Height:	11' 6"
	Width:	96"
	Length:	36'
	GVW:	54,800 lbs



Aerials-- 100 Ft Ladder	Height:	11' 9"
	Width:	96"
	Length:	47'
	GVW:	64,000 lbs.



Aerials-- 100 Ft Basket:	Height:	12' 3"
	Width:	96"
	Length:	47'
	GVW:	75,500 lbs



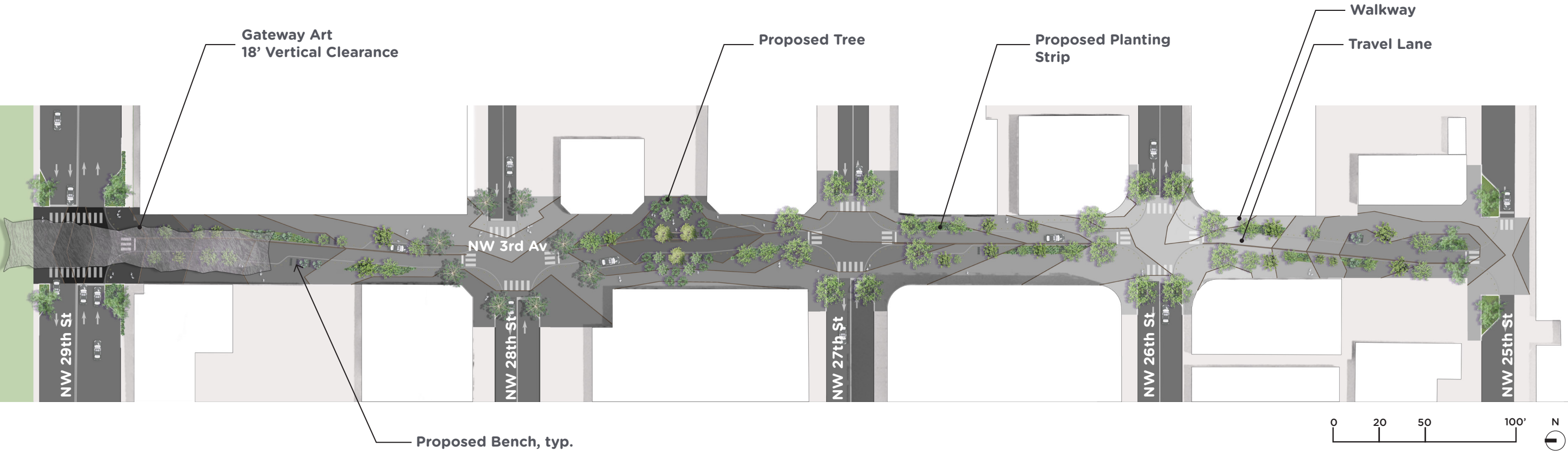
Rescue Trucks:	Height:	9' 8"
	Width:	8' 2"
	Length:	29'
	GVW:	25,500 lbs





# SCHEMATIC PLAN

Woonerf Design



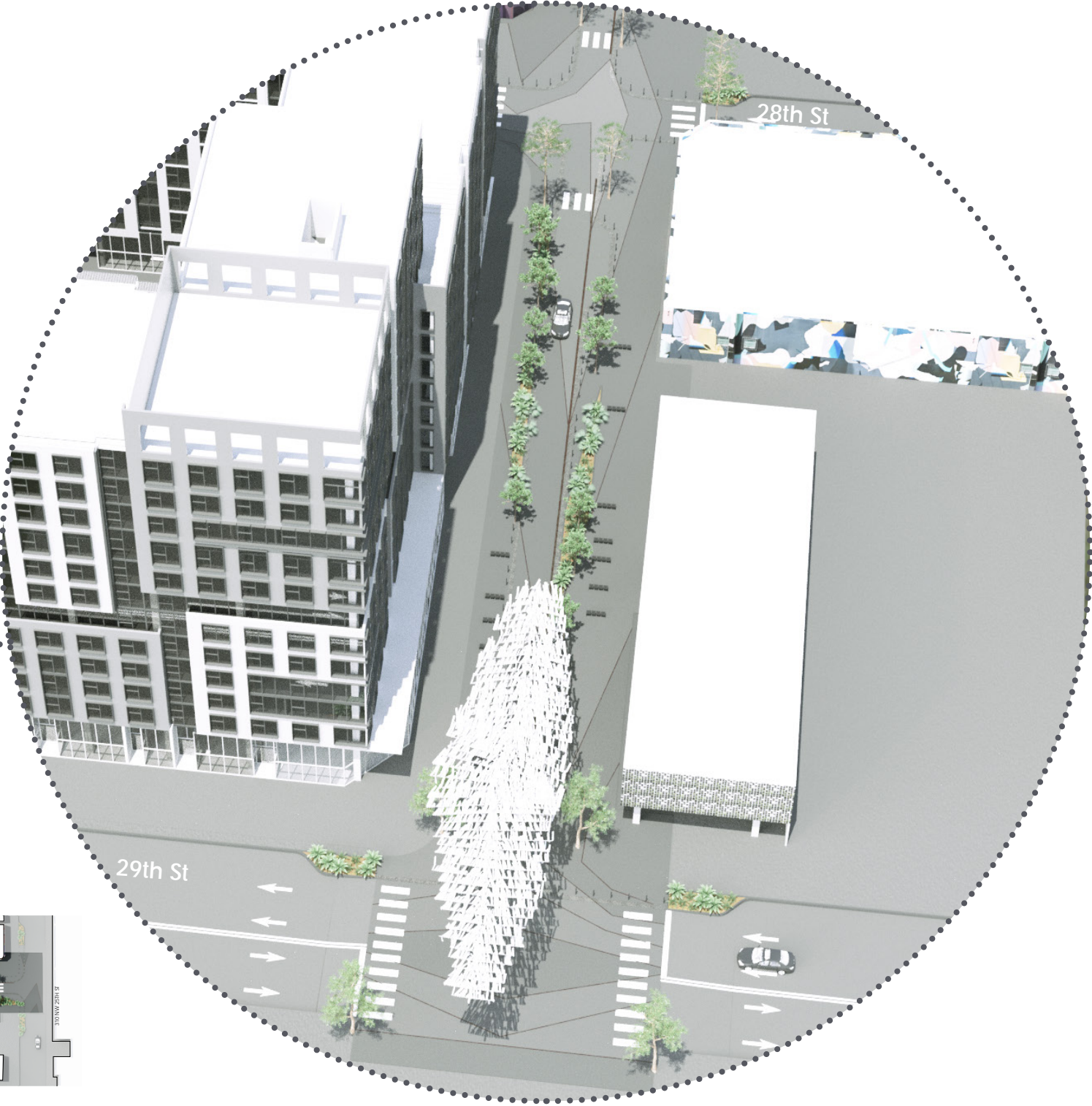
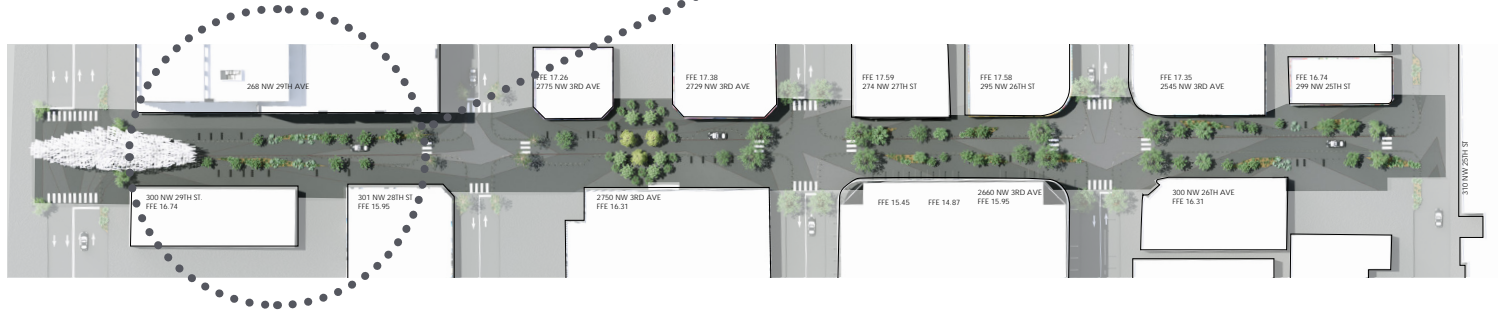


# SCHEMATIC PLAN: 29th St to 28th St

Gateway

## Site Elements

- Trees
- Low Planting
- Furniture



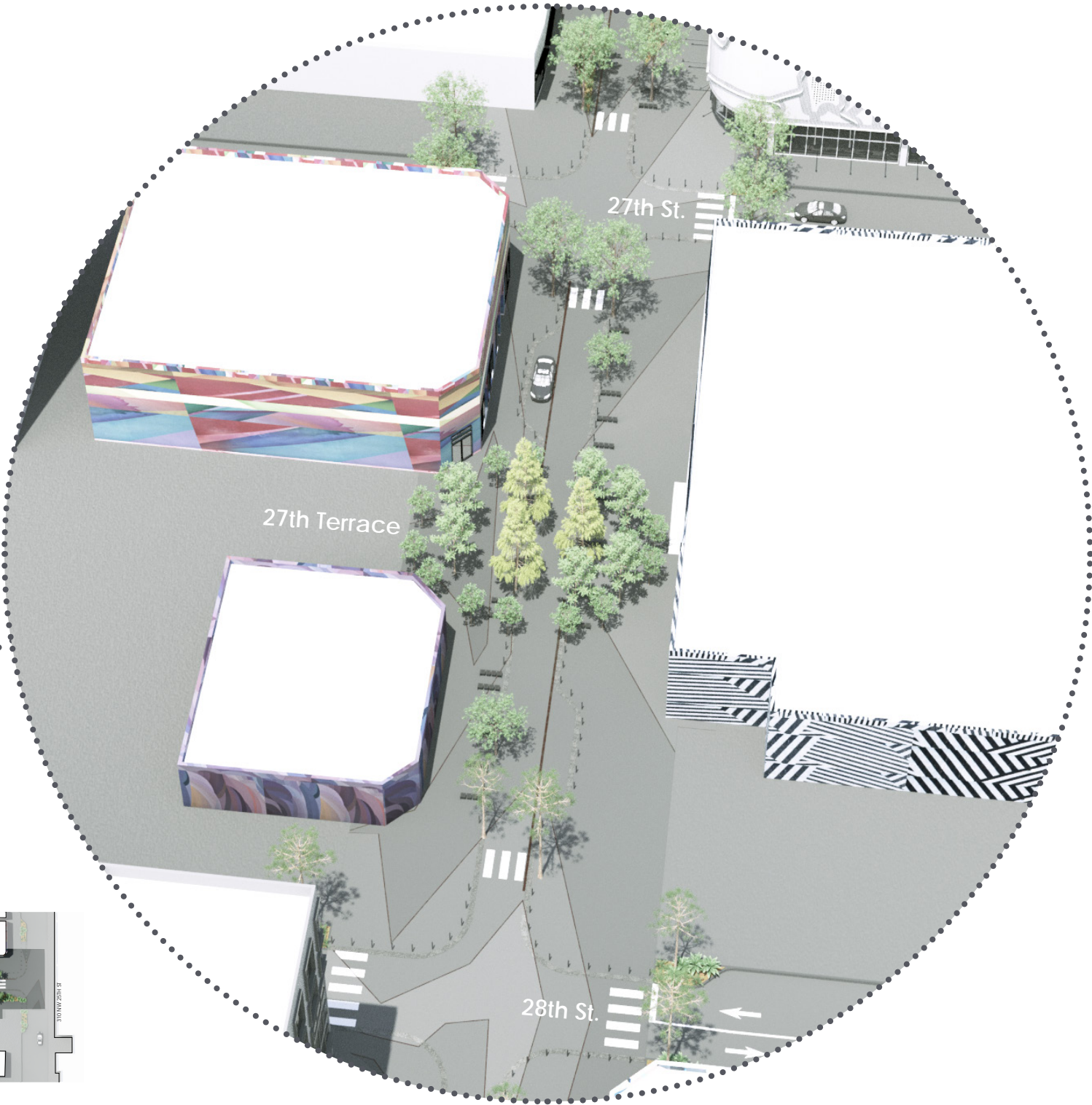
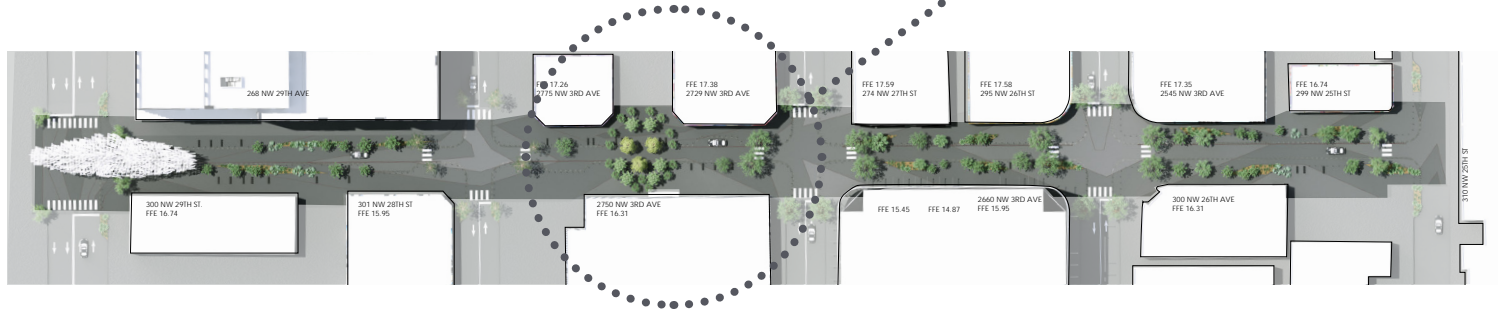


# SCHEMATIC PLAN: 28th St to 27th St

Oasis

## Site Elements

- Trees
- Low Planting
- Furniture



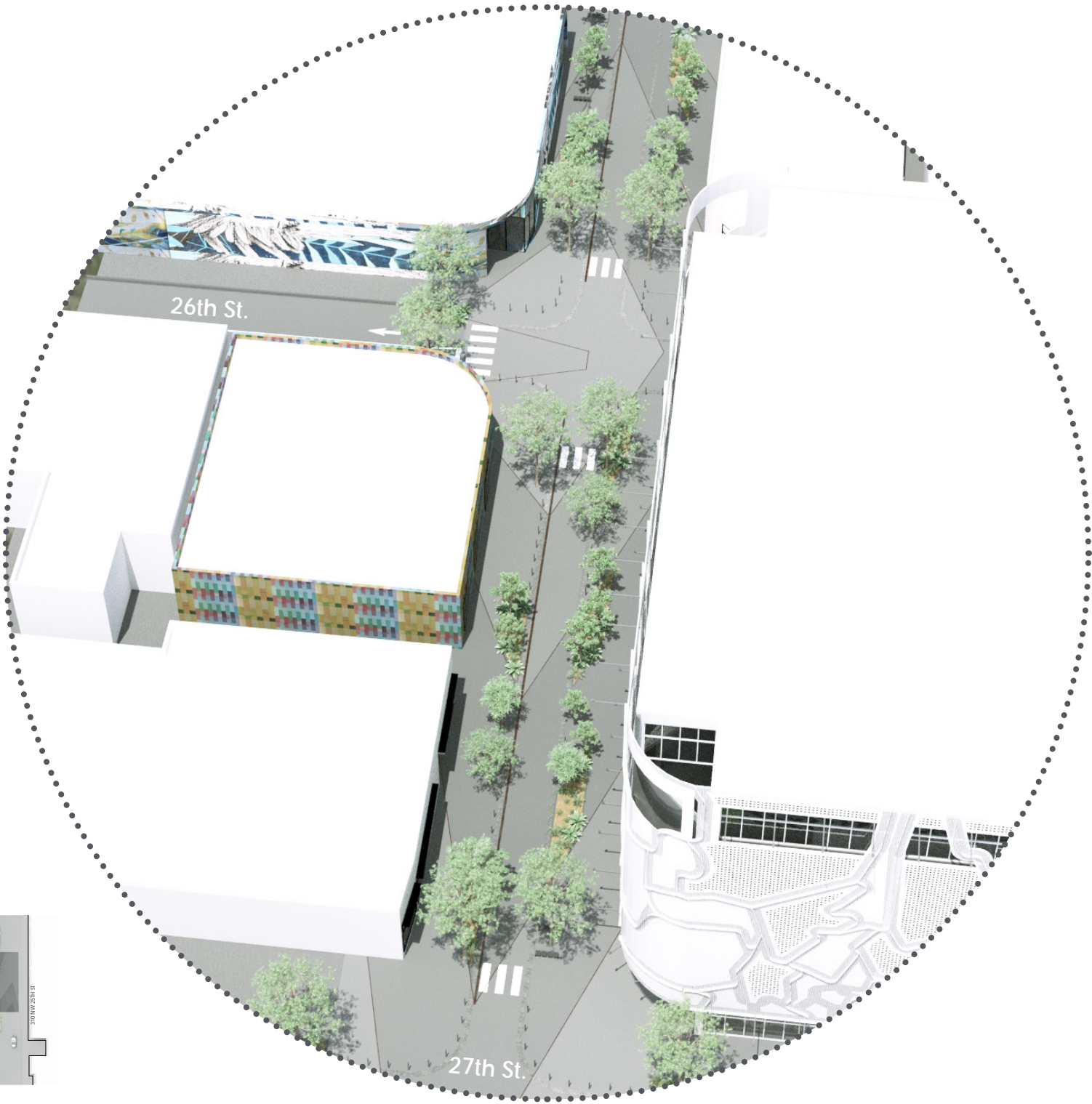
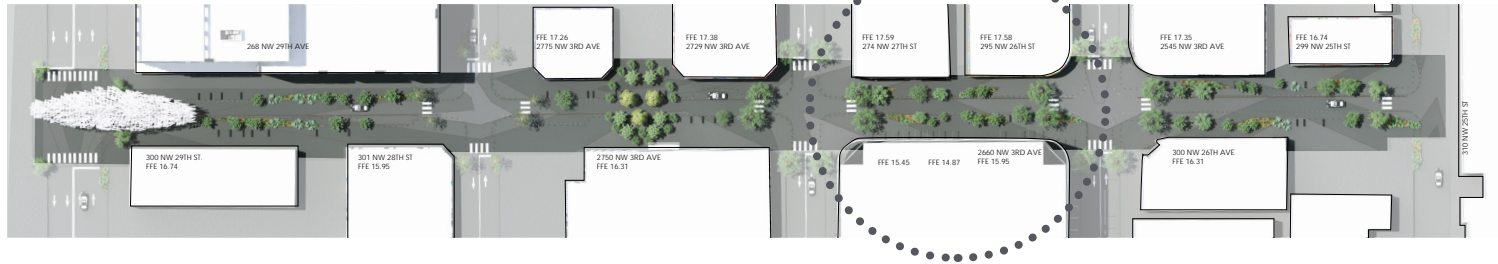


# SCHEMATIC PLAN: 27th St to 26th St

Nexus

## Site Elements

- Trees
- Low Planting
- Furniture



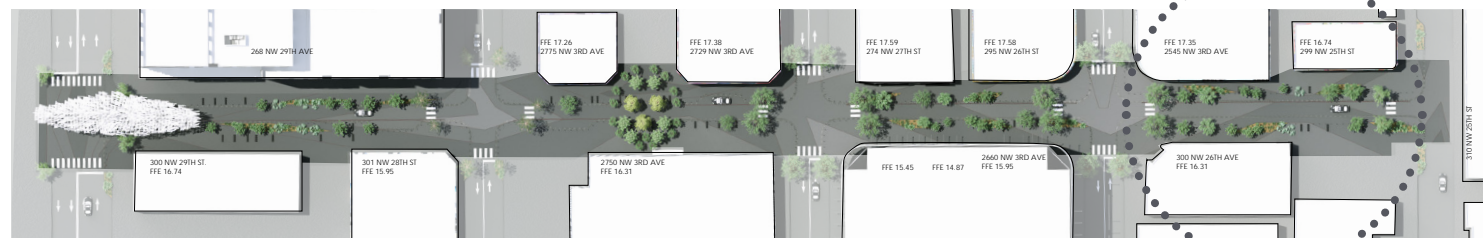


## SCHEMATIC PLAN: 26th St to 25th St



## Site Elements

- Trees
- Low Planting
- Furniture



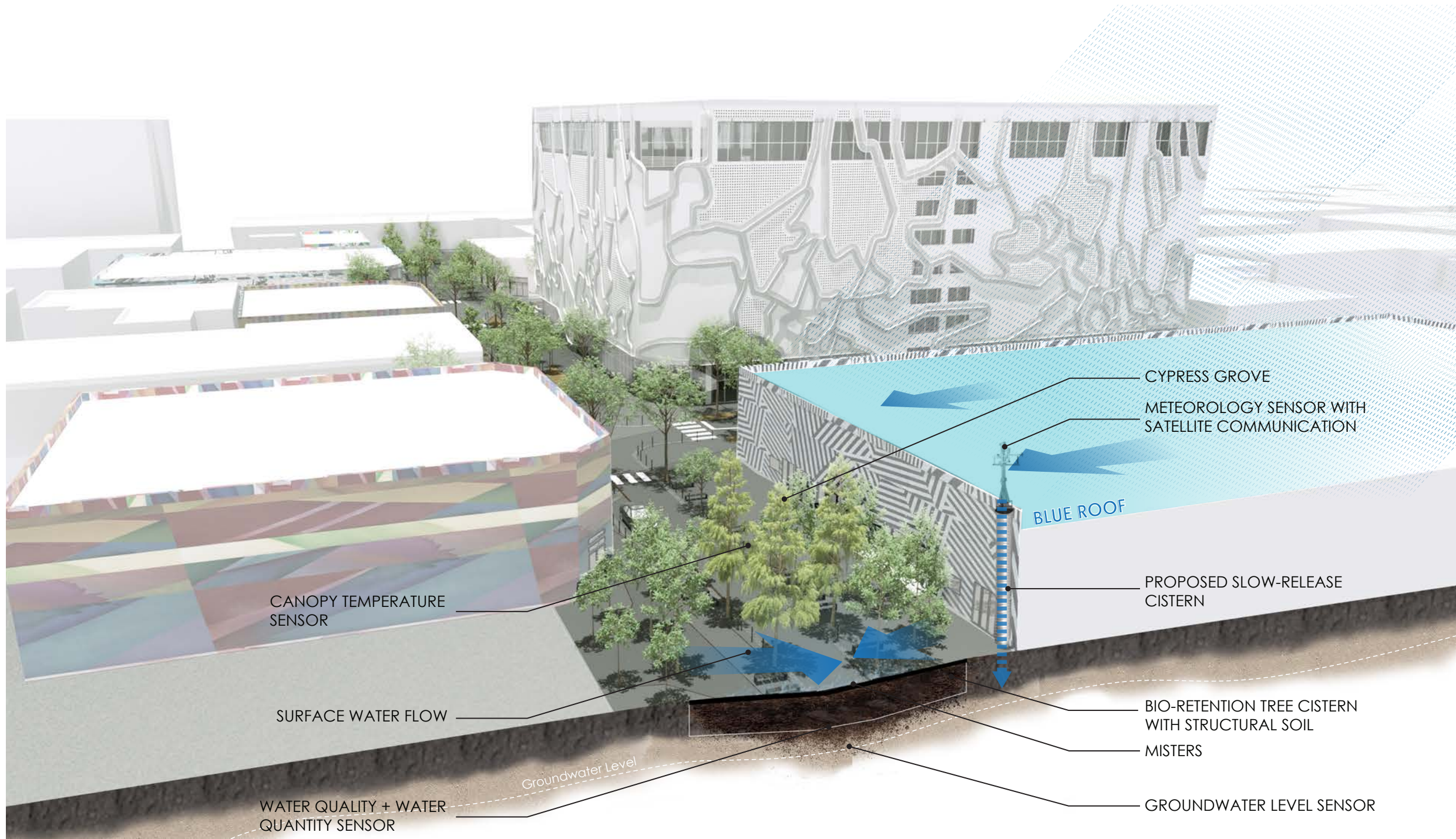


## SECTION: Arrival





SECTION: Cypress Grove





# ARRIVAL





# INTERSECTION





## MID-BLOCK





# SCHEMATIC PLAN

Woonerf Design

