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.
**PROJECT PROCESS AND TIMELINE**

### SITE ANALYSIS

- **SEP 2018**: LOLA & Team Conduct Site Analysis And Assessment Of Resources.

- **OCT 2018**: LOLA & Team present site analysis, solicit input from the community.

### SCHEMATIC DESIGN

- **FEB 2019**: Progress Meeting 1
  - LOLA & Team develop Design Concept, present progress to community.

- **APRIL 2019**: Progress Meeting 2
  - LOLA & Team refine Concept, present progress to community.

- **JUNE 2019**: Progress Meeting 3
  - LOLA & Team develop Schematic Design and Materials Palette, present progress to community.

### CITY OF MIAMI ADDITIONAL TRAFFIC STUDY

- **SEPTEMBER 2019**: Schematic Design Presentations
  - LOLA & Team refine Schematic Design, submit to City.
Design Concept Review
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BISCAYNE ‘ISLAND’ ELEVATION

ELEVATION ANALYSIS

Datum: NAVD 88
Source: Miami-Dade County Information Technology Department (ITD), 2015

Primary Ridgeline
High Elevation (+12)
Mid Elevation (6-12)
Low Elevation (0-6)
Affected Block

Low Elevation (+0)
High Elevation (+17)

0 1 mi 2 mi

Native American Landmarks and Cultural Significance
 brute force approach
Schematic Design
GATEWAY ART
Opportunity for art at 29th Street and 3rd Ave.

Patrick Sheam

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

CLIMATE CLOUD

Anish Kapoor

Fujiko Nakaya
**Plant Palette**

**Trees**

**LARGE TREES - 30’**
- Bald Cypress
  - *Taxodium distichum* 'Peve Minaret'
- Green Buttonwood
  - *Conocarpus erectus*
- Jamaica Dogwood
  - *Piscidia piscipula*
- Pond Cypress
  - *Taxodium ascendens* ‘Nutans’

**MEDIUM TREES - 20’**
- Pigeon Plum
  - *Coccoloba diversifolia*
- Paradise Tree
  - *Smarouba glauca*
- Mastic
  - *Sideroxylon foetidissimum*
- Pond Apple
  - *Annona glabra*

**SMALL TREES - 15’**
- Silver Buttonwood
  - *Conocarpus elegans* var. saccatus
- Redberry Stopper
  - *Eugenia confusa*
- West India Lignum Vitae
  - *Guaiacum officinale*
- Thatch Palm
  - *Coccothrinax argentosa*
- Bahama Strongbark
  - *Boarium siccacenta*
- Satinleaf
  - *Chrysophyllum sylvinum*
- Joewood
  - *Jacquinia keyensis*

**LARGE**
**MEDIUM**
**SMALL**

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SCHEMATIC DESIGN | WYNWOOD WOONERF
SEPTEMBER 11, 2019
Plant Palette

Perennials

COARSE TEXTURE
- Agave
- Spanish Bayonet
- Saw Palmetto
- Sea Lavender
- Beach Grass
- Coontie cycad
- Mangrove Fern

MEDIUM TEXTURE
- Texas Sage
- Devil’s Backbone
- Texas Sage
- Porterweed

FINE TEXTURE
- Spanish Moss
- Blue Sage
- Artillery Plant
- Devil’s Backbone
- Texas Sage
- Mangrove Fern

COARSE
- Texas Sage
- Devil’s Backbone
- Texas Sage
- Porterweed

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LOCAL OFFICE LANDSCAPE AND URBAN DESIGN, LLC

SEPTEMBER 11, 2019

LOCAL OFFICE LANDSCAPE AND URBAN DESIGN, LLC  SCHEMATIC DESIGN | WYNWOOD WOONERF
SEPTEMBER 11, 2019
Typical Block Design
Design Elements for Safety

Exhibition Road - London, UK
WOONERF PRECEDENT
Design Elements for Safety

Bell Street Park - Seattle, WA
Intersection Design

**WOONERF PRECEDENT**

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

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

- **The Wharf - Washington, DC**
  - Curb, Bollards, Planters

- **Hoofdstraat - Emmen, NL**
  - Sign Posts, Trees, Furnishings

- **London Road - Poynnton, UK**
  - Low Curb

- **Købmagergade Street - Copenhagen**
  - Trees

- **Exhibition Road - London, UK**
  - Bike Rack, Poles
CURBLESS DESIGN
Typical Block Organization

274 NW 27TH STREET
(FFE 17.59)

295 NW 26TH STREET
(FFE 17.58)

2660 NW 3RD AVENUE
(FFE 14.87')

Pedestrian Table Zone

Raised Crossing

NW 3RD AVENUE WOONERF
Typical Block Organization

274 NW 27TH STREET (FFE 17.59')
295 NW 26TH STREET (FFE 17.58')

2660 NW 3RD AVENUE (FFE 14.87')

LINE DRAIN
PEDESTRIAN SAFETY DESIGN

Typical Block Organization

274 NW 27TH STREET (FFE 17.39)

295 NW 26TH STREET (FFE 17.58)

2660 NW 3RD AVENUE (FFE 14.87')

BENCH

BOLLARD

(FFE 15.45')

(FFE 15.95')

LOCAL OFFICE LANDSCAPE AND URBAN DESIGN, LLC

SCHEMATIC DESIGN | WYNWOOD WOONERF
SEPTEMBER 11, 2019
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

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.

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.

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

Rescue Trucks
- Height: 9’ 8”
- Width: 8’ 2”
- Length: 29’
- GVW: 25,500 lbs

Notes:
- Actual Inside cramp angle may be less due to highly specialized options.
- Curb to Curb turning radius calculated for 9.00 inch curb.
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

Arrival

Site Elements

- Trees
- Low Planting
- Furniture
SECTION: Arrival

Structural Soil
SECTION: Cypress Grove

- Misters
- Surface Water Flow
- Structural Soil
- Proposed Slow-release Cistern
- Cypress Grove

LOCAL OFFICE LANDSCAPE AND URBAN DESIGN, LLC
SEPTEMBER 11, 2019
ARRIVAL
INTERSECTION
MID-BLOCK
SCHEMATIC PLAN

Woonerf Design

- Proposed Planting Strip, typ.
- Proposed Tree, typ.
- Pedestrian Lane
- Travel Lane
- Proposed Bench, typ.
- Signalized Intersection
- Gateway Art 18' Vertical Clearance

**Proposed Tree, typ.**
- 260 NW 29th Ave
- 301 NW 28th St
- 2750 NW 3rd Ave
- 2660 NW 3rd Ave
- 300 NW 26th Ave
- 299 NW 25th St
- 2545 NW 3rd Ave
- 295 NW 26th St
- 274 NW 27th St
- 2729 NW 3rd Ave
- 2775 NW 3rd Ave
- 268 NW 29th Ave

**Proposed Bench, typ.**
- 310 NW 25th St

**Proposed Planting Strip, typ.**
- 29th St
- 28th St
- 27th St
- 26th St
- 25th St
- 3rd Ave

**18' Vertical Clearance**
- NW 29th St
- NW 28th St
- NW 27th St
- NW 26th St
- NW 25th St
- NW 3rd Ave

**Signalized Intersection**
- 40mph
- 30mph
- 30mph
- 30mph
- 30mph
- 15mph

**Gateway Art**
- 18' Vertical Clearance

**ROW**
- 3rd Ave
- 29th St
- 28th St
- 27th St
- 26th St
- 25th St
- 3rd Ave