





WEST AVENUE WATER TREATMENT PARKING

PART 1

City of Miami Beach, Florida

MIAMIBEACH

Presentation Discussion Point

- Project History
- Project location 1671 West Avenue Existing parking lot.
- Proposed Design.
- Redesign existing parking lot adding Pump Stations, FPL Vault, generator and panels for new underground pumps.
- Materials of screen enclosure, that is Aluminum Mangrove Root Pattern finished in Duranar XL Arcadia Silver.

West Avenue Phase II Background/History

RMCF/CES participates in City staff meetings, workshops, neighborhood meetings focusing on feedback from the community, working with ULI experts to formulate a strategy and design concept based on current and future environmental challenges.

West Ave selected to participate in the Resiliency Accelerator – a partnership between 100 Resilient Cities, Columbia University and the Rockefeller Foundation.

May 2018

March 2017

December 2017

April 2018

Commission and reverse with the Urban Land of the Rockefeller Foundation.

City Commission approves Design Build contract with RMCF/CES for West Ave North and South projects based on a 5-year Storm event. City "Pauses" project at 60% design – refers all planned and in-progress resiliency projects to the Resiliency and Sustainability Committee to further evaluate Storm water criteria and design. **City partners with the Urban Land Institute (ULI)** to review City wide Stormwater Resiliency program.

June-Sept October 2018

Recommendations presented to City Commission including:

- Updating stormwater protection from 5-year to a 10-year storm event.
- Provide Auxiliary
 Generators to new and existing Pump Stations within the West Ave neighborhood.
- Approval of the roadway cross sections for West Avenue and Bay Road, which included dedicated bike lanes and a center turning lane

December 2018

commission
approves
recommended
enhancements and
authorizes the City
staff to Negotiate CO
#3. RMCF/CES
continue design
development of the
10-year drainage
design in concert with
all other project
design elements.

May 2019

Negative feedback received from Lincoln Road residents during preliminary harmonization meetings result in City's request to examine alternate locations for the above ground Pump Station equipment. Later, this ballooned into relocating the below ground pump station as well.

West Avenue Phase II Background/History

February

2020

November

2019

RMCF/CES presented multiple alternative locations for the pump station and equipment for consideration and comment. RMCF proposed Option 1 (Lincoln Ct and Bay Rd) which was approved by the Commission on June 27, 2019 requiring the screening to be approved

by the DRB.

RMCF/CES address alternate location at Alton and Lincoln Rd and provide a complete history of the development of alternate sites to the City. The concept of weekly meetings with residents ensued with discussions and to answer questions on Screening Design and Park-End development to meet resident expectations for the recommended location - Alternate 1 (Lincoln Ct and Bay Rd).

RMCF/CES provides formal presentation of ten (10) alternate locations for the above ground equipment combined with optional below ground pump station locations recommending Option 1 (Lincoln Ct and Bay Rd) as the favored site.

August-October June 2019 July 2019 2019

> RMCF/CES proceeded with the full design development of Option1 (Lincoln Ct and Bay Rd).

Median design of Option 1 reached 90% completion including Artist Rendering and Screen proposals.

June 2020

City requests a Limited Feasibility Study as a result of Commission meeting discussion to determine alternate locations for future review Feasibility Study with no and approval.

July 2020

City issues LTC on July 14, 2020 outlining the elements of the Feasibility Study. RMCF/CES completed the Limited less than ten (10) Options a report was submitted for consideration on July 20, 2020.

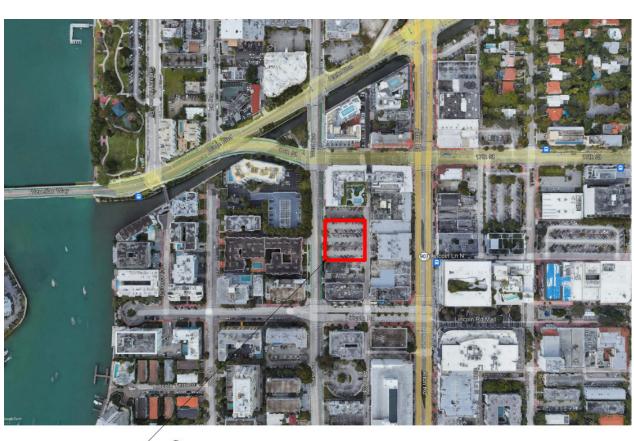
Today

The Water Treatment System (WTS) was relocated to the 1671 West Avenue Parking Lot.

RMCF/CES are currently finalizing the permitting effort: construction is scheduled for 2022.

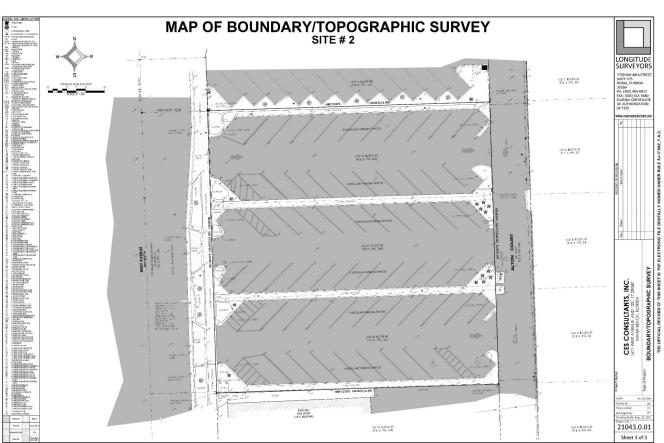
DRB approval is required for the Right-of-Way improvements and the 1671 West Avenue modifications.

1671 West Ave Aerial View



LOTS 16,17 & 18 OF LOT 40 1671 West Ave, Miami Beach, FL 33139 -



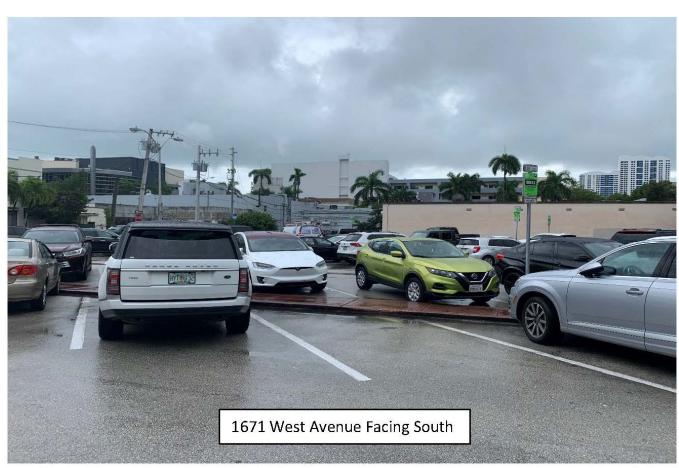


EXISTING CONDITIONS

1671 West Ave
Facing North



1671 West Ave Facing South



1671 West Ave
Facing East



1671 West Ave
Facing West



PROPOSED DESIGN







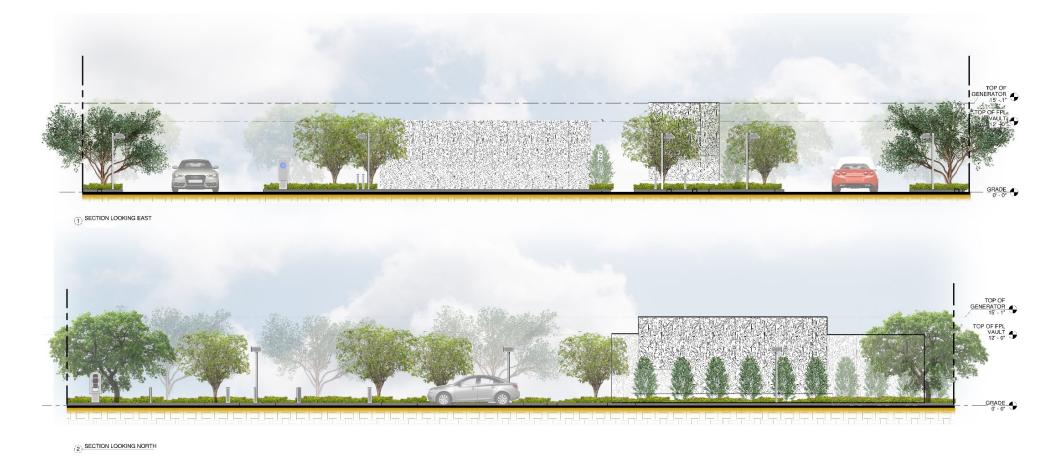


PARKING LEGEND

42 TOTAL PARKING SPACES

GREEN HATCH DENOTES LANDSCAPE

ASPHALT SURFACE







McGraw-Edison

GPC Galleon Pedestrian Companion

Area / Site Luminaire

Product Features



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- Optical Configurations page 3
- Energy and Performance Data page 4
- Control Options page 6

Product Certifications









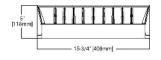


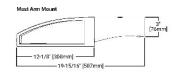


Quick Facts

- · Choice of sixteen high-efficiency, patented AccuLED Optics
- · Quick mount pole or mast-arm mounting configurations
- Eight lumen packages from 3,215 up to 17,056 lumens
- IP66 rated housing and LED light squares

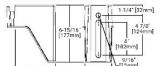
Dimensional Details





Quick Mount Arm (Pole Mounting Details)

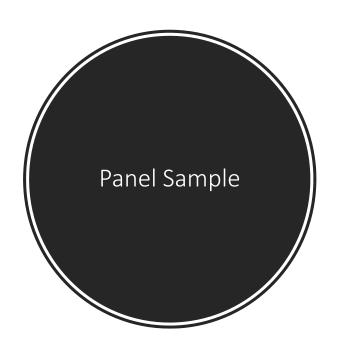




NOTES:

1. Visit https://www.designlights.org/search/ to confirm qual floation. Not all product variations are DLC qualified.

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West Avenue	Improvements -	Parking	Analysis
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	Existing Parking 1671 West Avenue	Proposed Parking	Difference
Parking Lot	57	42	-15
	Right of Way		
West Ave from 8th St to 14th St	62	0	-62
West Ave from 14th St to Lincoln Rd	59	22	-37
Bay Rd from 14th St to Dade Canal	89	48	-41
8th St from West Ave to Alton Rd	20	12	-8
9th St from West Ave to Alton Rd	17	10	-7
11th St from West Ave to Alton Rd	18	7	-11
12th St from West Ave to Alton Rd	21	10	-11
13th St from West Ave to Alton Rd	15	8	-7
14th Ct from Bay Rd to Alton Rd	24	14	-10
14th Ter from Bay Rd to Alton Rd	0	0	0
15th St from Bay Rd to Alton Rd	16	21	5
Flamingo Way from Bay Rd to West Ave	0	0	0
15th Ter from Bay Rd to Alton Rd	32	14	-18
16th St from Bay Rd to Alton Rd	18	18	0
Lincoln Ter from Biscayne Bay to Bay Rd	22	22	0
Lincoln Ct from Lincoln Rd to Dade Canal	0	0	0
Lincoln Rd from Biscayne Bay to Alton Rd	59	49	-10
Tota	l: 472	255	-217

529

₁₉ **-232**

297

Total for Project:

