

EXHIBIT A

CITY OF MIAMI SPRINGS MAP

**FEMA FIRM MAP.
BANK STABILIZATION
MIAMI SPRING**

NOTES TO USERS

p is for use in administering the National Flood Insurance Program. It necessarily identifies all areas subject to flooding, particularly from local sources of small size. The community map repository should be updated as possible updated or additional flood hazard information.

n more detailed information in areas where Base Flood Elevations and/or floodways have been determined, users are encouraged to consult a Profiles and Floodway Data and/or Summary of Stillwater Elevations obtained within the Flood Insurance Study (FIS) report that accompanies this map. Users should be aware that BFEs shown on the FIRM represent whole-foot elevations. These BFEs are intended for flood insurance purposes only and should not be used as the sole source of flood information. Accordingly, flood elevation data presented in the FIS should be utilized in conjunction with the FIRM for purposes of flood and/or floodplain management.

Base Flood Elevations shown on this map apply only to landward of small Geodetic Vertical Datum of 1929 (NGVD 29). Users of this FIRM are aware that coastal flood elevations are also provided in the Summary of Elevations tables in the Flood Insurance Study report for this jurisdiction, shown in the Summary of Stillwater Elevations tables should be used for flood and/or floodplain management purposes when they are higher than those shown on this FIRM.

Base Flood Elevations were computed at cross sections and interpolated cross sections. The floodways were based on hydraulic considerations and to requirements of the National Flood Insurance Program. Floodway and other pertinent floodway data are provided in the Flood Insurance Study report for this jurisdiction.

Areas not in Special Flood Hazard Areas may be protected by flood structures. Refer to Section 2.4 "Flood Protection Measures" of the Flood Insurance Study report for information on flood control structures for this jurisdiction.

Projection used in the preparation of this map was Florida State Plane east of Zone 0901. The horizontal datum was NAD 83, GRS80 spheroid, as in datum, spherical projection or State Plane zones used in the FIRM. For adjacent jurisdictions may result in slight positional differences in map features across jurisdiction boundaries. These differences do not affect the accuracy of this FIRM.

Vertical datums on this map are referenced to the National Geodetic Vertical Datum of 1929. These flood elevations must be compared to structure and elevations referenced to the same vertical datum. For information on conversion between the National Geodetic Vertical Datum of 1929 and the North American Vertical Datum of 1988, visit the National Geodetic Survey website at <http://www.ngs.noaa.gov> or contact the National Geodetic Survey at the following address:

Information Services
NGS-12
Geodetic Survey
95202
4-West Highway
Baltimore 20910-3282
3-3242

For current elevation, description, and/or location information for bench marks shown on this map, please contact the Information Services Branch National Geodetic Survey at (301) 713-3242, or visit its website at <http://www.ngs.noaa.gov>.

Information shown on this FIRM was provided in digital format by the Miami-Dade County Information Technology Department. These data were at a scale of 1:3,600 from digital orthophotography dated 2001. If base map information was provided by the Cities of Aventura, Coral Gables, and North Bay Village, and Miami-Dade County.

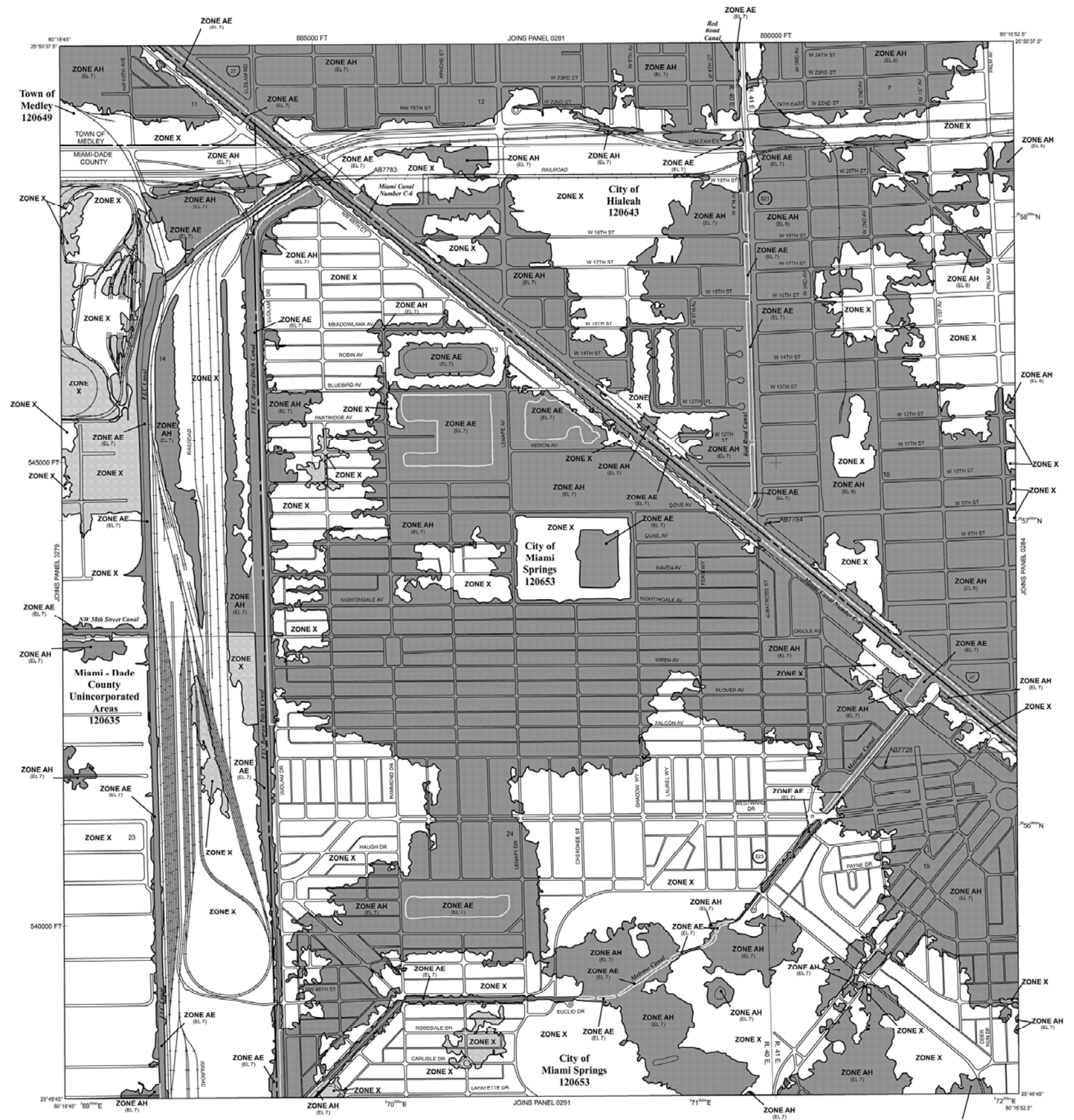
This FIRM reflects more detailed and up-to-date stream channel configurations as shown on the previous FIRM for this jurisdiction. The floodplains and flood zones that were transferred from the previous FIRM may have been adjusted to these new stream channel configurations. As a result, the Flood and Floodway Data tables in the Flood Insurance Study Report (which authoritative hydraulic data) may reflect stream channel distances that are what is shown on this map.

The limits shown on this map are based on the best data available at the time of publication. Because changes due to annexations or de-annexations may occur after this map was published, map users should contact appropriate officials to verify current corporate limit locations.

Refer to the separately printed Map Index for an overview map of the layout of map panels, community map repository addresses, listing of Communities table containing National Flood Insurance Program information for each community as well as a listing of the panels on which each community is located.

The FEMA Map Service Center at 1-800-358-9616 for information on products associated with this FIRM. Available products may include issued Letters of Map Change, a Flood Insurance Study report, and/or other information. The FEMA Map Service Center may also be reached at 1-800-358-9620 and its website at <http://msc.fema.gov>.

For questions about this map or questions concerning the National Flood Insurance Program in general, please call 1-877-FEMA-MAP (1-877-336-2627) or visit the FEMA website at <http://www.fema.gov>.



LEGEND

SPECIAL FLOOD HAZARD AREAS SUBJECT TO INUNDATION BY THE 1% ANNUAL CHANCE FLOOD

The 1% annual flood (100-year flood), also known as the base flood, is the flood of 1% chance of being equaled or exceeded in any given year. The Special Flood Hazard Area is subject to flooding by the 1% annual chance flood. Areas of Special Flood Hazard Zones A, AE, AH, AO, AV, X, VE, and V. The Base Flood Elevation is the water elevation of the 1% annual chance flood.

ZONE A No Base Flood Elevations determined.

ZONE AE Base Flood Elevations determined.

ZONE AH Flood depths of 1 to 3 feet (usually areas of ponding). Base Flood Elevations determined.

ZONE AO Flood depths of 1 to 3 feet (usually sheet flow on sloping terrain); depths determined. For areas of alluvial fan flooding, velocity determined.

ZONE AR Special Flood Hazard Area formerly protected from the 1% annual flood by a flood control system that was subsequently decommissioned, indicating that the former flood control system is being restored to protection from the 1% annual chance or greater flood.

ZONE AV Area to be protected from 1% annual chance flood by a flood protection system under construction; no Base Flood Elevation determined.

ZONE V Coastal flood zone with velocity hazard (wave action); no Base Flood Elevations determined.

ZONE VE Coastal flood zone with velocity hazard (wave action); Base Flood Elevations determined.

FLOODWAY AREAS IN ZONE AE

The floodway is the channel of a stream plus any adjacent floodplain areas that must be of attachment so that the 1% annual chance flood can be carried without substantial increase in flood heights.

OTHER FLOOD AREAS

ZONE X Areas of 0.2% annual chance flood; areas of 1% annual chance if average depths of less than 1 foot or with drainage areas of 1 square mile; and areas protected by levees from 1% annual chance flood.

OTHER AREAS

ZONE D Areas determined to be outside the 0.2% annual chance floodplains in which flood hazards are undetermined, but possible.

COASTAL BARRIER RESOURCES SYSTEM (CBRS) AREAS

OTHERWISE PROTECTED AREAS (OPAs)

CBRS areas and OPAs are normally located within or adjacent to Special Flood Hazard Areas.

HOOPSON boundary

Floodway boundary

Zone D boundary

Zone A boundary

Boundary dividing Special Flood Hazard Area zone boundary dividing Special Flood Hazard Areas of different flood elevations, flood depths or flood velocities.

Base Flood Elevation line and value, elevation in feet

Base Flood Elevation value where uniform within zone; in feet

* Referenced to the National Geodetic Vertical Datum of 1929

○ Cross section line

○ Transsect line

87°07'45", 32°22'30"

Geographic coordinates referenced to the North American Datum of 1983 (NAD 83), Western Hemisphere

1000-meter Universal Transverse Mercator grid values, zone 17

600000 FT

5000-foot grid ticks: Florida State Plane coordinate system East zone (FIPSZONE 0901), Transverse Meridian projection

Bench mark (see explanation in Notes to Users section FIRM panel)

M1.5

Map Scale

MAP REPOSITORY

Refer to listing of Map Repositories on Map Index

EFFECTIVE DATE OF COUNTYWIDE FLOOD INSURANCE RATE MAP

January 20, 1993

EFFECTIVE DATE(S) OF REVISION(S) TO THIS PANEL

March 2, 1994 - May 16, 1994 - July 17, 1995 - for description of revision, see Notice to Users page in the Flood Insurance Study report

October 11, 2009 - to reflect revised shoreline, to incorporate previously issued Letters of Map Change, to reflect updated geographic information, to update corporate limits, to add and change Base Flood Elevations, to change some designations, to add roads and road names to add and change Special Flood Hazard Areas

For community map revision history prior to countywide mapping, refer to the Core Map History table located in the Flood Insurance Study report for this jurisdiction.

To determine if flood insurance is available in this community, contact your agent or call the National Flood Insurance Program at 1-800-358-9620.

MAP SCALE 1" = 500'

250 0 500 1000 FEET

150 0 300 METERS

NFIP

PANEL 0283L

FIRM

FLOOD INSURANCE RATE

MIAMI-DADE COUNTY FLORIDA AND INCORPORATED AREAS

PANEL 283 OF 1031

(SEE MAP INDEX FOR FIRM PANEL L)

COMMUNITY	NUMBER	PANEL
HIALEAH CITY OF	120643	0283
MEDLEY TOWN OF	120649	0289
MIAMI-DADE COUNTY	120635	0285
MIAMI SPRINGS CITY OF	120653	0283

Refer to User. This Map Panel shows letter used when placing map orders. The Community shown above should be used on insurance application subject community.

MAP NI 12086

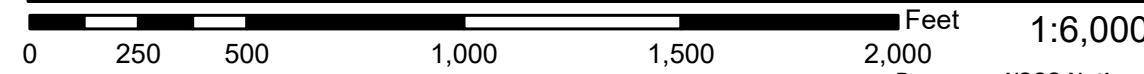
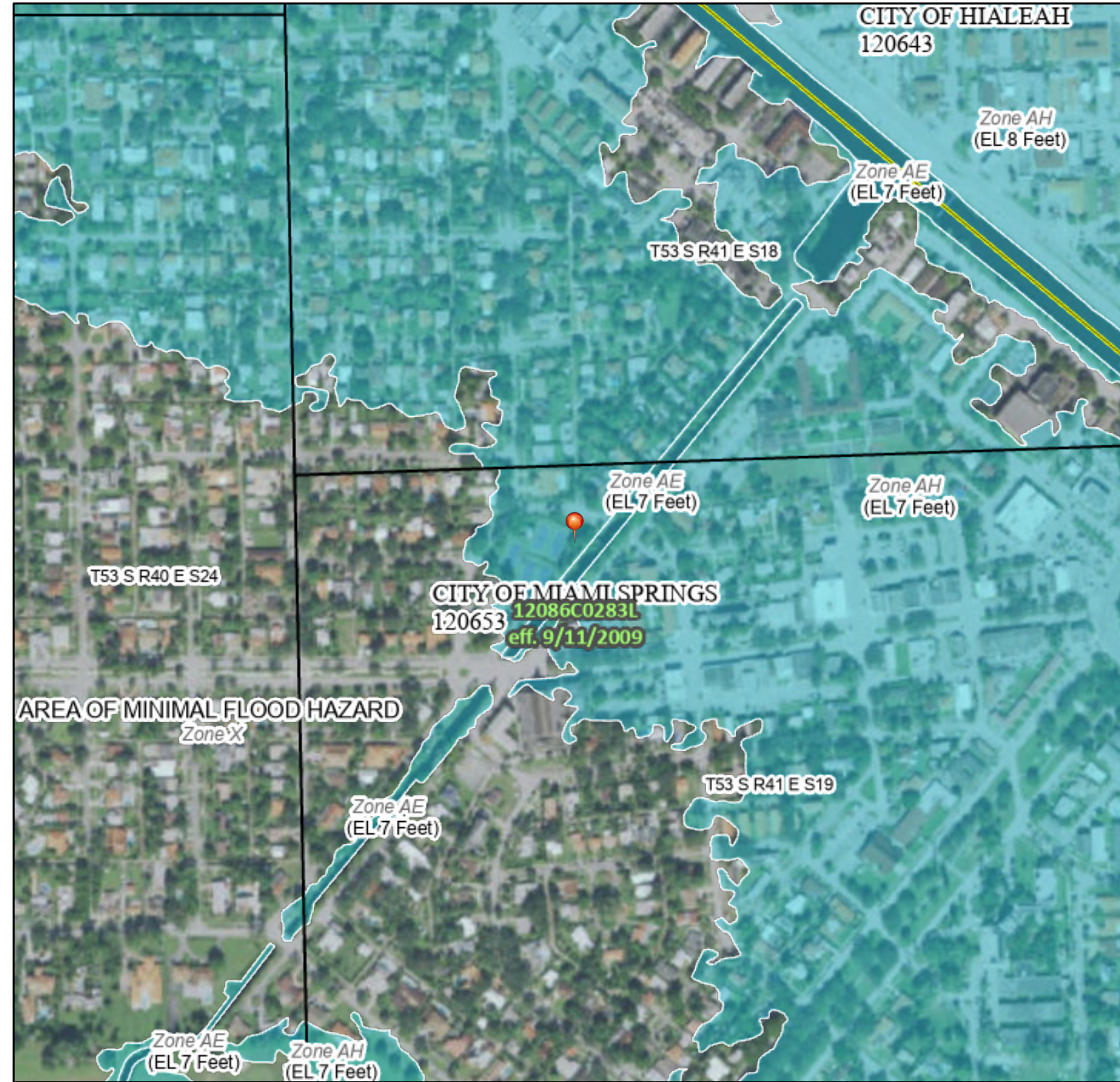
MAP RE SEPTEMBER 1

Federal Emergency Management

National Flood Hazard Layer FIRMette



80°17'32"W 25°49'35"N



80°16'54"W 25°49'2"N

Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 12/1/2021 at 3:38 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

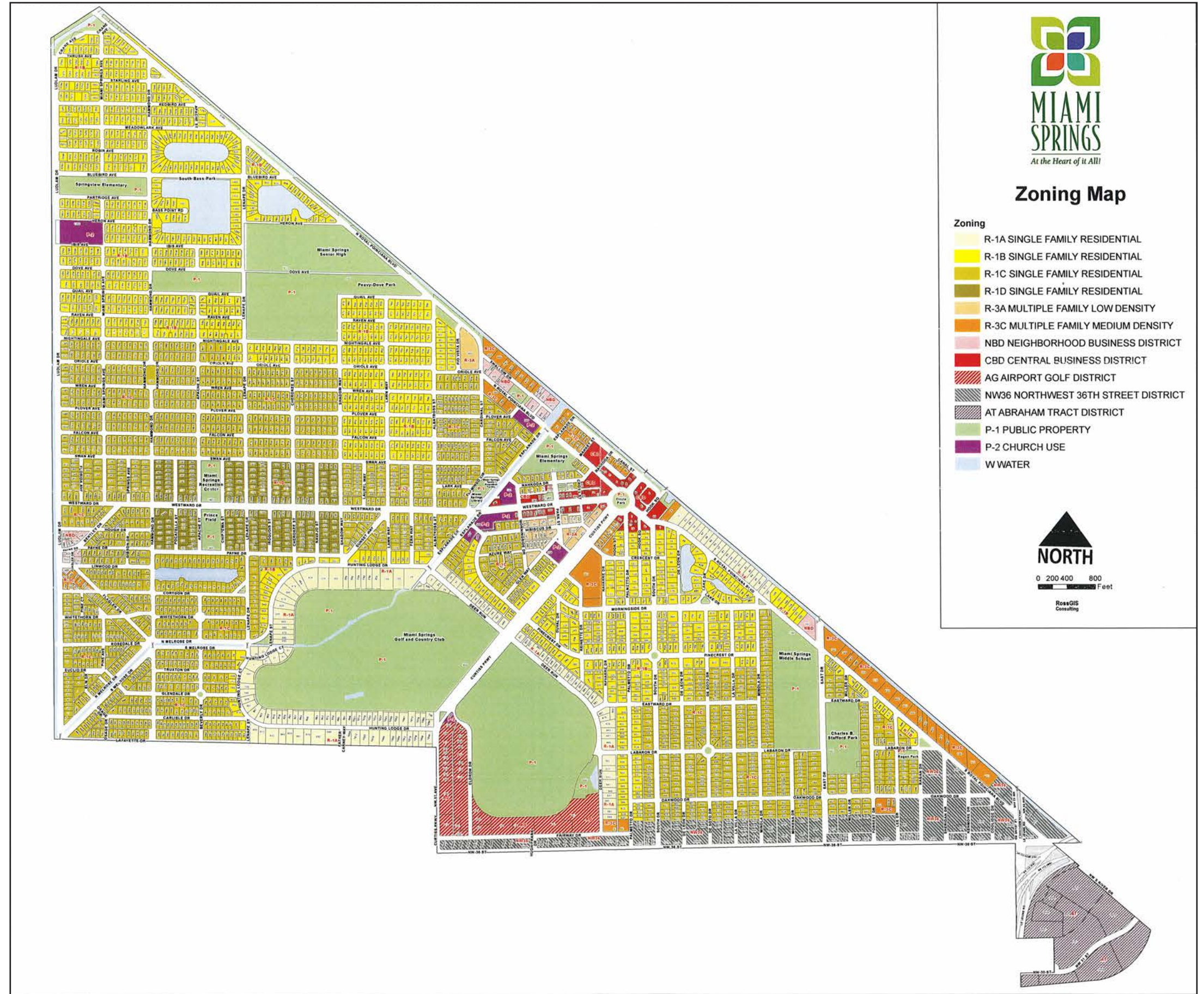


EXHIBIT B

KICK OFF MEETING NOTES

Agenda



Project:	City of Miami Springs Resiliency Study		
Objective:	Kick off meeting		
Date and time:	November 2, 2022	Meeting no:	1
Meeting place:	Team meetings	Minutes by:	Jose Lopez
Organization:	B&A	Attending:	See sign-in sheet

ITEM	DESCRIPTION
1	Introductions; sign-in sheets
2	Project Description <ul style="list-style-type: none"> - Scope of Work - Deliverables - Work Plan
3	Background data <ul style="list-style-type: none"> - Critical asset inventory - Topographic data (LIDAR, survey) - Flood scenarios related data (precipitation data, groundwater level data, SLR projections)
4	Exposure analysis <ul style="list-style-type: none"> - SLR model - Horizon dates (2040,2070) - Static SLR - Location of future inundation areas
5	Vulnerability Assessment <ul style="list-style-type: none"> - VA Report check list
6	Adaptation Action Plan

Agenda



- Update

7 Outreach

Steering committee

Meeting #1

Meeting #2

8 Peril of Flood Comp amendment

9 Elevation certificates

10

11

12

-

Agenda



Action Items

Date requested	Action item	Person responsible	Due date (and to who)	Completed date or comments



- ARCHITECTURE
- ENGINEERING
- PLANNING
- LANDSCAPE ARCHITECTURE
- INTERIOR DESIGN
- CONSTRUCTION SERVICES

FDEP AGREEMENT No. 22PLN51
City of Miami Springs Vulnerability and Resiliency Assessment and Adaptation Action Plan

KICK-OFF MEETING MINUTES

To:	Miami Springs Vulnerability File
From:	JOSE L. LOPEZ, PE, PMP, ENV SP Sr. Associate Director of Environmental Engineering
Project:	City of Miami Springs Vulnerability, Resiliency Assessment and Adaptation Plan
RE:	Meeting
Call Date:	November 2, 2022, 10 a.m.
Location of Meeting:	City of Miami Springs City Hall office
Distribution Date:	August 23 rd , 2022
BA Project No.:	02271.000
Participants:	William Alonso, City Manager Miami Springs Tammy Romero, Assistance City Manager, Miami Springs Lizette Fuentes, PW Lazaro Garaboa, PW Jose L. Lopez, PE– Sr. Associate Director of Environmental Engineering Maria Murillo, Public Information Officer Alejandro Marinucci Leonardo Barrera, Cummins Cederberg On the phone: Haydee Serra Luis Jurado, PDS

Meeting objectives

- Kick-off meeting for the Resiliency Grant to discuss the Scope of Work, Work Plan, and schedule for a grant project.
- Grant # 22-PL31, Department of FDP
- Jose Lopez made an introduction to the Team.

Miami Springs Vulnerability
Kick off Meeting
Meeting Date: November 2, 2023

Task 1: Project Background

- Discuss critical infrastructures in the City.
 - a. The idea to do the study so the City can be prepared for future grants. This study is a requirement for the future.
 - b. Background data: As part of the grant requirements, we must collect all the assets in the area. Also, collect the topographic elements and the flood scenarios from 2024 – 2070. Transmit the element and transmit them to the State, in a determined format so ultimately, they will construct an all-state database for all the municipalities. Data requirements. 1st Identify Critical infrastructure assets 2025 whole state of Florida with a GIS database. 2nd stage: identify the vulnerability and identify how much will it cost to make the whole State resilient to sea level rise.
 - c. The State focused on all the state-owned assets, but they recognize that there may be significantly important to the community, privately owned that can be impacted by a storm. Utilities, medical, community centers, senior centers, bridges, airports...
 - d. Jose will forward a list of critical assets so the City identifies them in their area.
- Elevation certificates of properties by PDS
 - a. The agreement with Luis Jurado at PDS is to Identify critical assets and provide elevations on those publicly owned assets. We will provide a list of critical infrastructure to PDS so we can see how many elevation certificates we will be able to address
 - b. We will shortlist and focus on critical assets that will be impacted. For those not impacted, there is no need for elevation certificates.
 - c. The City has a business tax list, and they can break it down by school, nursing homes
 - d. The City has to provide the list of the critical asset in their area so we (Leonardo) does not miss any of them. Estimated timeframe: 4 weeks After this is done comes to the modeling phase, gathering the flood scenario, and groundwater information from the District.
 - e. Current precipitation data has a huge impact but not is in the scope of work. How the sea level rise will impact future precipitation; there is modeling that can tell you these changes.
 - f. The GIS information will be sent to the State at the end of the project, in the form of a complete package.
 - g. Tasks 1 and 2: will take 4 months approx. March 2023
 - h. The Grant time is 12 months

Tasks 2 and 3: Vulnerability assessment

- Lenny mentioned a sample of a Vulnerability Analysis they did for the County at the Panhandle. The maps help the State to see what is flooded and/or impacted in a storm event
- The main concern of flooding at Miami Springs is the Miami C-6 canal.
- A first Public Meeting will be prepared to present a PowerPoint with the results and a life public survey.
- The City can send the survey through its social media and/or distribution list.
- The focus primarily will be on tasks 1, 2, and 3 during this first phase. This will provide information on what assets are being impacted, Luis will look at the buildings that have been identified to get the elevation certificates for them. The City will know how many assets are impacted by a storm and by what year so they can look ahead for the funding needed.
- The only aspect that is not included in the project specs is pricing.

Miami Springs Vulnerability
Kick off Meeting
Meeting Date: November 2, 2023

- The study can provide flood-proving measures for the impacted assets and other important information for the City to consider in their urban planning. It is a planning tool that can be used by the City to address the impacted assets.
- It has been approved recently that to obtain any State Grant, the cities must have the AAP approved.
- The last task of the AAP is prioritization, so when you have the list of projects identified, the City has to prioritize. This phase is recommended to have local input.

https://frcp.secure-platform.com/a/page/CriticalAssets_List

Task 4: Adaptation Action Plan

- To start when the vulnerability assessment has been completed. Estimated to end in June-July 2023.

Task 5

- Public Meeting #1 in March 2023. The PI Team will prepare the announcements, meeting agenda, and graphics.
- Public Meeting #2 in August 2023.
- Steering Committee. It is like an advisory team and it is recommended no more than 10 persons. They will receive the study before it goes public so we can obtain their input. There is a list of people recommended to be part of the committee: one elected official, academic representative, non-profit representation, South Regional Planning Council, South Florida Water District, Real State, Chamber of Commerce, Insurance Agency, or Contractor. This committee should be selected and ready by January 2023.

Task 6: Peril of Flood compliance

- Jose Lopez suggested moving through the legal issues of the Contract which starts at Task 6 of the agreement. It is a standard language text of all the grants in Florida that is part of a scope of work.
- Jose sent a template to Miami Springs indicating what the City of Marathon did. The issue that we have is that the State requires municipalities to have a coastal element, and the City of Miami Springs does not. With this said, Jose suggests waiting until we have all the modeling and criteria vulnerability assessment and going back to FDEP and see if they would allow us to make an exemption and not include the coastal element in the comp plan amendments. The idea is to add the Peril of Flood for the future only.
- This is a question that needs to be posted to the consultant from the Corradino Group who is currently working on the complement amendments. This is a legal thing that the City does not have a coastal element because it was not required. Adding the coastal element is a planning function, not legal.
- Jose Lopez confirmed that in conversations with the consultant that adding the coastal element, the fees will be an additional \$30 to 40K, and would be more complex.

 www.bermelloajamil.com

Miami Springs Vulnerability
Kick off Meeting
Meeting Date: November 2, 2023

- Miami Springs does not have coastal items but is impacted by sea-level rise and that is what we are trying to prove with the vulnerability assessment.
- We can do an amend, but when does Ed suggest that the city makes the changes because they are in a process of making amendments at this time and they are about to go to a hearing this month, or can we add the peril of flood language. The City has already had the first readings on our Comp Plan Amendments. The State reviews them, makes comments, and now are ready for the hearing. Are those changes going to be now or in the future because the City has already gotten approval? The changes need to be made in the future. As soon as the results are available, the changes can be done. The vulnerability assessment may take 4 months.
- The Grant will allow us to make the changes to the Comp Plan and include Peril of Flood.
- The Grant is intended to cover the studies that the city is doing and the amendment to the Comprehensive Plan and will receive a reimbursement for those studies.
- It was recommended to request FDEP for an exemption to change the coastal element as noted in the current grant Work Plan.
- Jose to contact FDEP to request a change of scope regarding the City “coastal element” in their Comp Plan.
- City to revise Comp Plan to include Peril of Flood, for future developments, pending results from the Vulnerability Assessment. Jose will send to Haydee the email first for her QC.

A conscientious effort has been made to accurately summarize discussion topics and direction is given. If for any reason it is deemed that the summary is inaccurate, unclear, or inaccurately misrepresents discussion topics, it was unintentional. To correct any misrepresentation, the author should be contacted in writing within five (5) business days from the date of **DRAFT distribution as stated above so that this can be corrected. Since the topic and nature of this summary are important to the successful completion of the project, recipients are encouraged to forward the minutes to any interested parties.**

END OF MEETING MINUTES

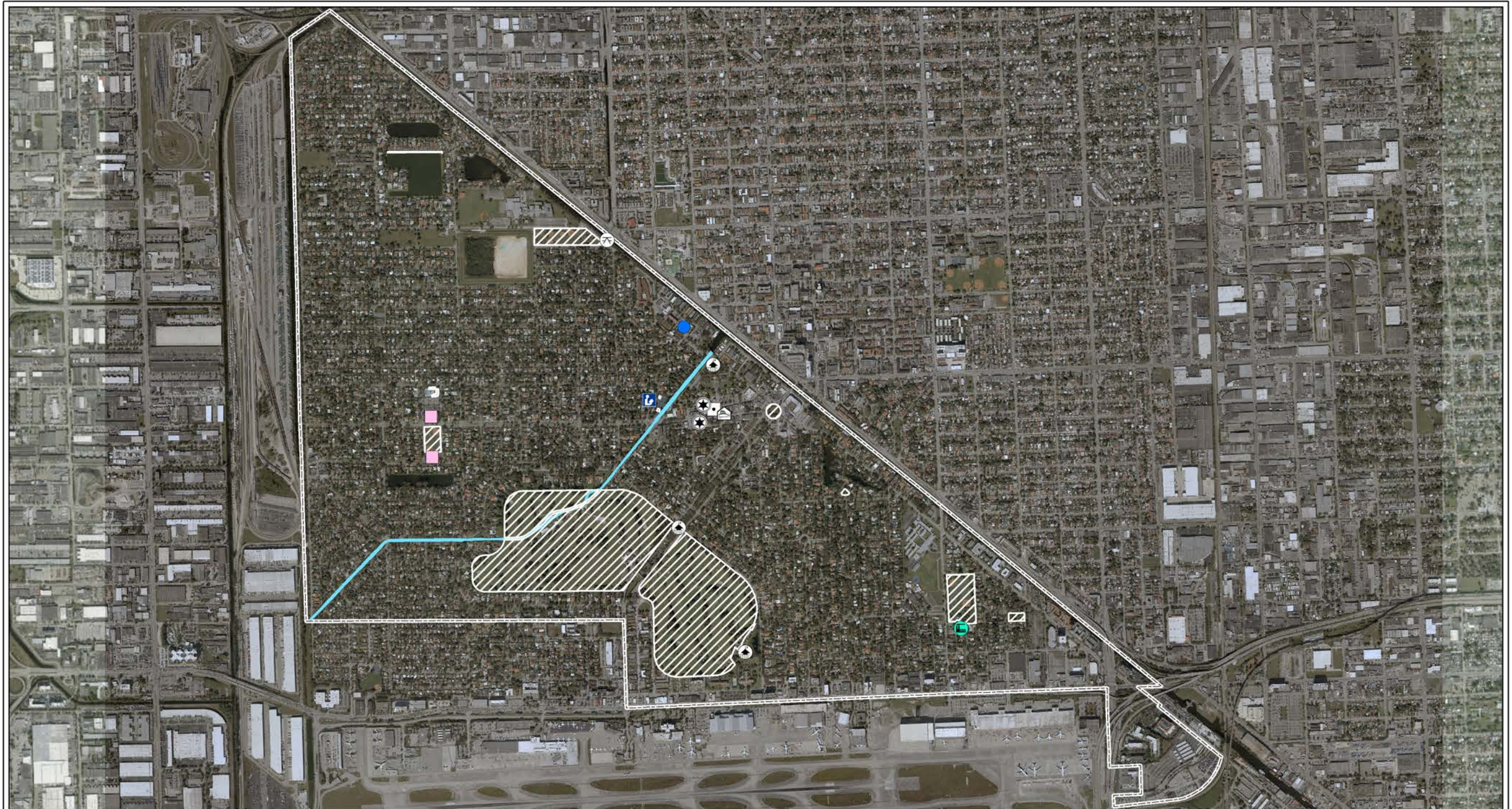
EXHIBIT C

**MODELING RESULTS
WITH FLOOD MITIGATION**

VULNERABILITY ANALYSIS

Asset_Name	Asset_Type	Asset_Category	Address	Flood Depth - 100 year rainfall (feet)	Flood Depth - 500 year rainfall (feet)	Flood Depth - 100 year storm surge (feet)	Flood Depth - 2040 Int. Low SLR + 20 year storm surge (feet)	Flood Depth - 2040 Int. Low SLR + 100 year storm surge (feet)	Flood Depth - 2040 Int. High SLR + 20 year storm surge (feet)	Flood Depth - 2040 Int. High SLR + 100 year storm surge (feet)	Flood Depth - 2070 Int. High SLR + 20 year storm surge (feet)	Flood Depth - 2070 Int. High SLR + 100 year storm surge (feet)
Miami Springs Senior Center	Community Center	Critical Community and Emergency Facilities	101 Apache St	0.3	0.6	1.3	0.5	2.0	1.3	2.7	3.1	4.5
Miami Springs Community Center	Community Center	Critical Community and Emergency Facilities	1401 Westward Dr	0.3	0.4	0.5		1.2	0.5	1.9	2.3	3.8
Miami Springs City Hall	Local Government Facilities	Critical Community and Emergency Facilities	201 Westward Dr	0.5	0.7	1.1	0.4	1.8	1.1	2.5	3.0	4.4
Miami Springs Fire 35	Local Government Facilities	Critical Community and Emergency Facilities	201 Westward Dr	0.5	0.7	1.1	0.4	1.8	1.1	2.5	3.0	4.4
MIAMI Springs Police Department	Local Government Facilities	Critical Community and Emergency Facilities	201 Westward Dr	0.5	0.7	1.1	0.4	1.8	1.1	2.5	3.0	4.4
Miami Springs Police Department - Substation	Local Government Facilities	Critical Community and Emergency Facilities	274 Westward Dr	0.6	0.8	1.2	0.5	1.9	1.3	2.7	3.1	4.5
Miami Springs Public Works	Local Government Facilities	Critical Community and Emergency Facilities	345 N Royal Poinciana Blvd	0.3	0.3	0.1		0.6	0.1	1.3	1.8	3.2
Miami Springs Branch Library	Library	Critical Community and Emergency Facilities	401 Westward Dr	0.5	0.5	0.9	0.2	1.6	0.9	2.3	2.8	4.2
East Drive Park Debris Staging Area	Solid Waste Facility	Critical Infrastructure	501 East Dr	1.8	2.4	3.2	2.5	3.9	3.2	4.6	5.0	6.4
Miami Springs Elementary School	Historical Assets	Natural, Cultural, and Historical Resources	51 Park St	0.5	0.6	1.8	1.1	2.5	1.9	3.3	3.7	5.1
FMAF & Gen. Geiger Memorial	Historical Assets	Natural, Cultural, and Historical Resources	650 Curtiss Pkwy	0.3	0.5	0.4		1.1	0.5	1.9	2.3	3.7
Glenn Curtis Residence	Historical Assets	Natural, Cultural, and Historical Resources	500 Deer Run	0.3	0.4			0.5		1.2	1.7	3.1
South Bass Park	Parks	Natural, Cultural, and Historical Resources	Bluebird Ave / Lenape Dr	2.8	3.3	7.9	7.2	8.6	7.9	9.3	9.8	11.2
Miami Springs Golf and Country Club	Parks	Natural, Cultural, and Historical Resources	650 Curtiss Pkwy	12.2	13.3	6.5	5.8	7.2	6.5	7.9	8.4	9.8
Peavy-Dove Field Park	Parks	Natural, Cultural, and Historical Resources	700 Dove Ave	1.3	1.5	4.9	4.2	5.7	5.0	6.4	6.8	8.2
Charles B Stafford Park	Parks	Natural, Cultural, and Historical Resources	489 East Dr	2.1	2.7	3.6	2.8	4.3	3.6	5.0	5.4	6.8
Ludlam Drive Boat Ramp	Parks	Natural, Cultural, and Historical Resources	N Royal Poincia Blvd & Albatross St	2.9	4.0	3.0	2.2	3.7	3.0	4.4	4.8	6.2
Ragan Park	Parks	Natural, Cultural, and Historical Resources	La Baron Dr / Ragan Dr	1.3	1.8	2.5	1.8	3.2	2.5	3.9	4.3	5.8
Circle Park	Parks	Natural, Cultural, and Historical Resources	Curtiss Pkwy & Westward Dr	1.0	1.2	1.9	1.2	2.6	2.0	3.4	3.8	5.2
Deleon Park Triangle	Parks	Natural, Cultural, and Historical Resources	De Leon Dr & Morningside Dr	0.5	0.6	1.9	1.2	2.6	1.9	3.3	3.8	5.2
Prince Field	Parks	Natural, Cultural, and Historical Resources	101 Apache St	0.7	0.8	1.7	1.0	2.4	1.7	3.1	3.6	5.0
Miami Springs Aquatic Center	Parks	Natural, Cultural, and Historical Resources	501 Payne Dr	0.6	0.9	1.1	0.4	1.8	1.1	2.5	3.0	4.4
Miami Springs Tennis / Raquetball Facility	Parks	Natural, Cultural, and Historical Resources	401 Westward Dr	0.5	0.5	0.9	0.2	1.6	0.9	2.3	2.8	4.2
Melrose Canal	Water	Natural, Cultural, and Historical Resources		0.5	0.5	0.9	0.2	1.6	0.9	2.3	2.8	4.2

CRITICAL ASSETS



BA Bermello Ajamil & Partners

CUMMINS | CEDERBERG
Coastal & Marine Engineering



0 1,000 2,000 Feet
Map Scale: 1:18,000
1 in = 1,500 ft

Project:
Vulnerability Assessment

Client:
City of Miami Springs

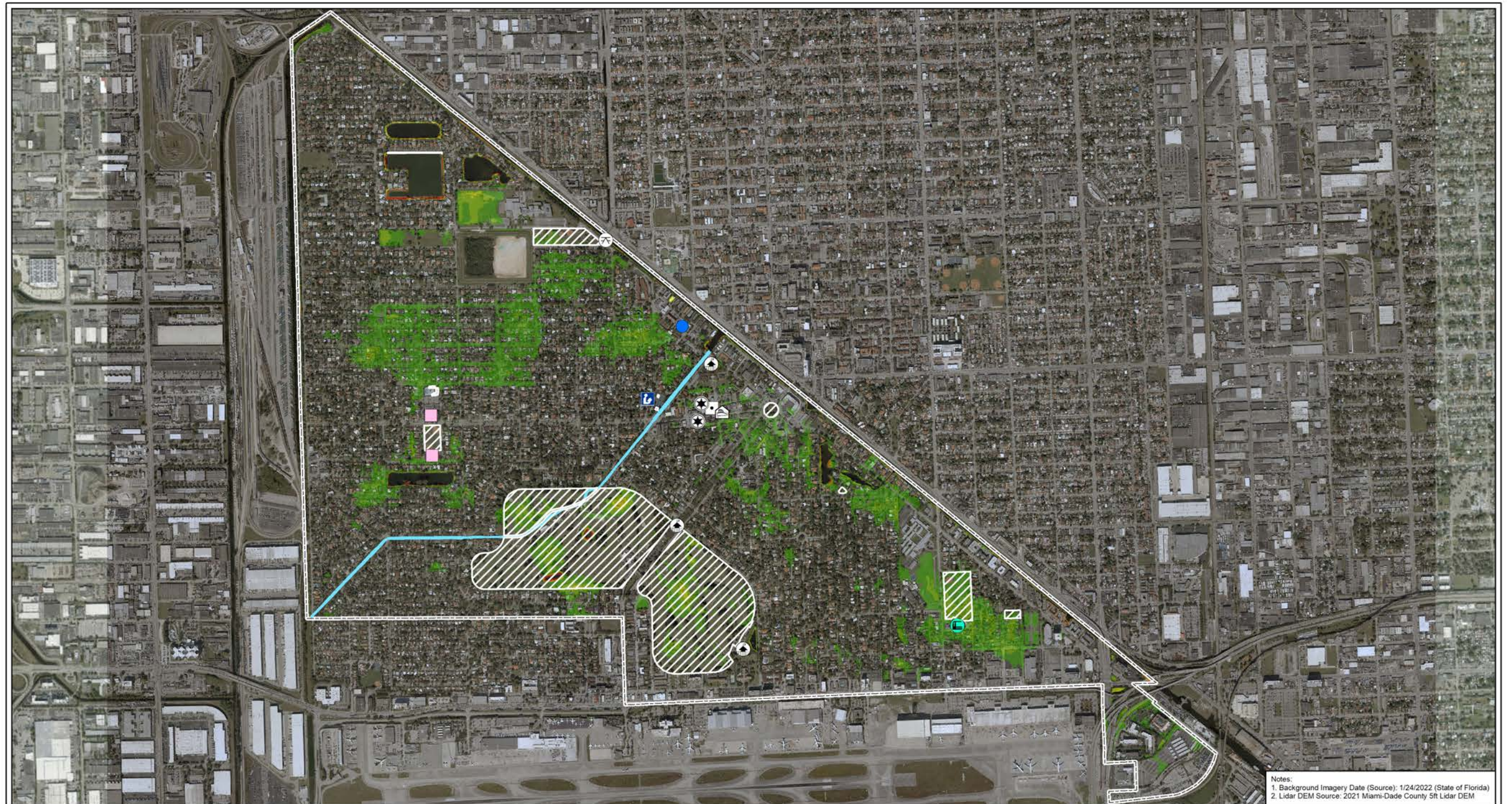
Sheet Title:
Critical Assets

Legend

Miami Springs Municipal Boundary	Public Works	Fire Station	Natural, Cultural, and Historical Resources	Park
Solid Waste Facility	Library	Law Enforcement	Park	Water
City Hall	Community Center	Historical Asset		

Notes:
1. Background Imagery Date (Source): 1/24/2022 (State of Florida)

CRITICAL ASSETS & 20-YEAR RETURN PERIOD STORM SURGE



Notes:
 1. Background Imagery Date (Source): 1/24/2022 (State of Florida)
 2. Lidar DEM Source: 2021 Miami-Dade County 5ft Lidar DEM

BA
 Bermello Ajamil & Partners

CUMMINS | CEDERBERG
 Coastal & Marine Engineering



0 1,000 2,000 Feet
 Map Scale: 1:18,000
 1 in = 1,500 ft

Project:
 Vulnerability Assessment

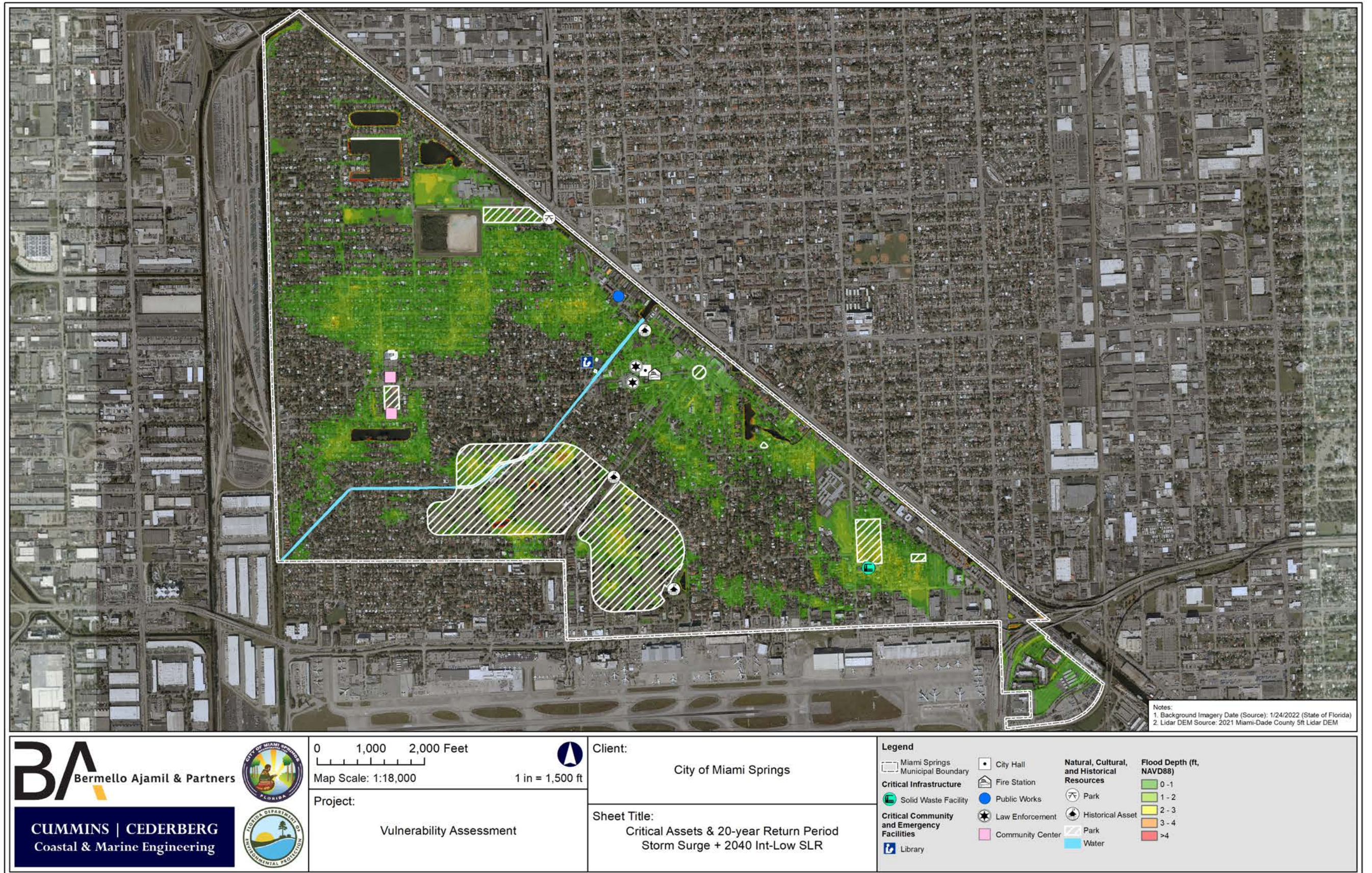
Client:
 City of Miami Springs

Sheet Title:
 Critical Assets & 20-year Return Period Storm Surge

Legend

Miami Springs Municipal Boundary	City Hall	Natural, Cultural, and Historical Resources	Flood Depth (ft, NAVD88)
Critical Infrastructure	Fire Station	Park	0 - 1
Solid Waste Facility	Public Works	Historical Asset	1 - 2
Critical Community and Emergency Facilities	Law Enforcement	Park	2 - 3
Library	Community Center	Water	3 - 4
			>4

CRITICAL ASSETS & 20-YEAR RETURN PERIOD STORM SURGE + 2040 INT-LOW SLR



CRITICAL ASSETS & 20-YEAR RETURN PERIOD STORM SURGE + 2040 INT-HIGH SLR



Notes:
 1. Background Imagery Date (Source): 1/24/2022 (State of Florida)
 2. Lidar DEM Source: 2021 Miami-Dade County 5ft Lidar DEM

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 Coastal & Marine Engineering



0 1,000 2,000 Feet
 Map Scale: 1:18,000
 1 in = 1,500 ft

Project:
 Vulnerability Assessment

Client:
 City of Miami Springs

Sheet Title:
 Critical Assets & 20-year Return Period
 Storm Surge + 2040 Int-High SLR

Legend

Miami Springs Municipal Boundary	City Hall	Park	Flood Depth (ft, NAVD88)
Fire Station	Public Works	Historical Asset	
Solid Waste Facility	Law Enforcement	Park	
Critical Community and Emergency Facilities	Community Center	Water	
Library			

CRITICAL ASSETS & 20-YEAR RETURN PERIOD STORM SURGE + 2070 INT-LOW SLR



Notes:
 1. Background Imagery Date (Source): 1/24/2022 (State of Florida)
 2. Lidar DEM Source: 2021 Miami-Dade County 5ft Lidar DEM

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 Coastal & Marine Engineering



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 Map Scale: 1:18,000
 1 in = 1,500 ft

Project:
 Vulnerability Assessment

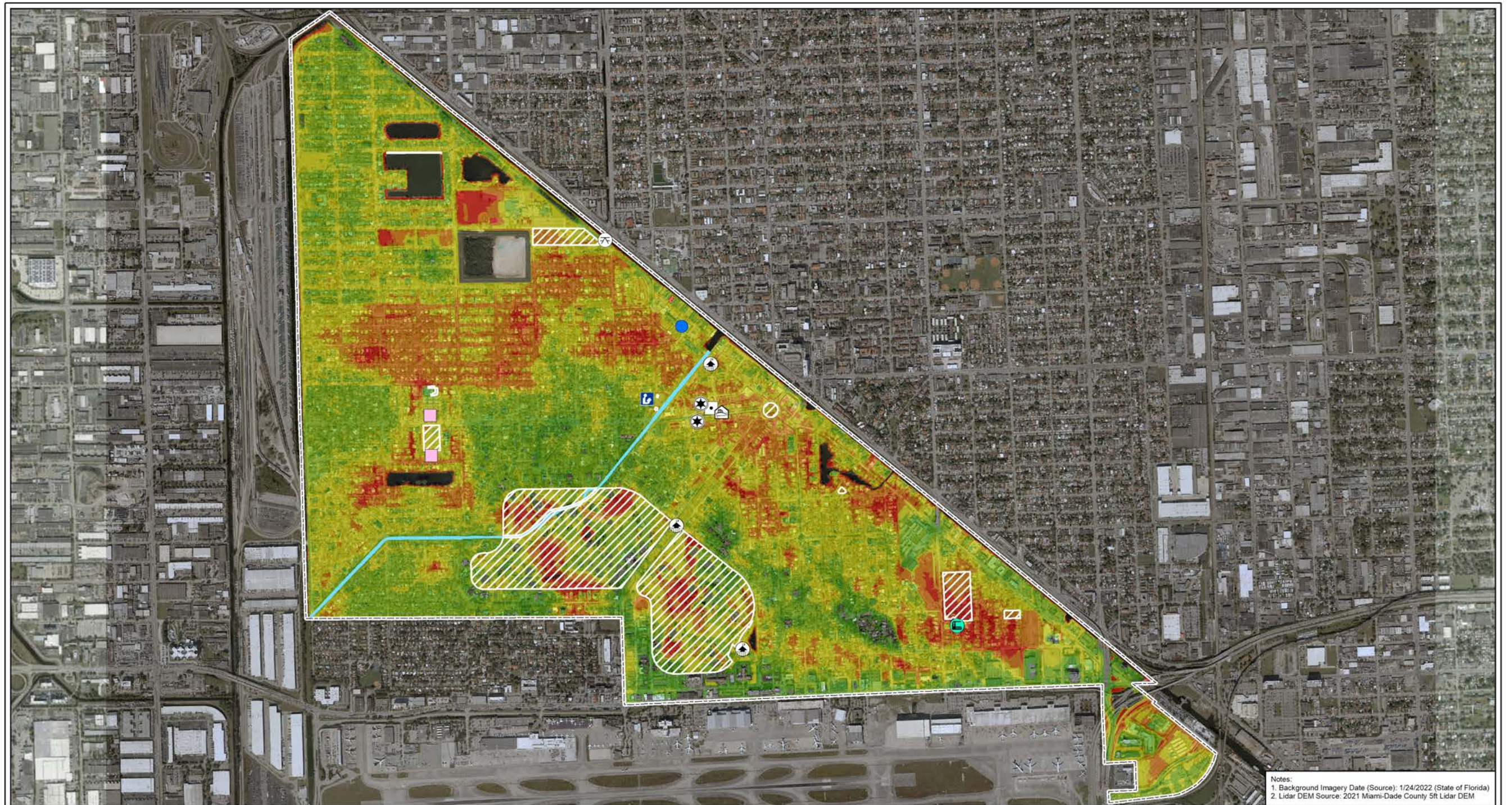
Client:
 City of Miami Springs

Sheet Title:
 Critical Assets & 20-year Return Period
 Storm Surge + 2070 Int-Low SLR

Legend

Miami Springs Municipal Boundary	City Hall	Park	Flood Depth (ft, NAVD88)
Solid Waste Facility	Fire Station	Historical Asset	
Public Works	Law Enforcement	Park	
Library	Community Center	Water	

CRITICAL ASSETS & 20-YEAR RETURN PERIOD STORM SURGE + 2070 INT-HIGH SLR



Notes:
 1. Background Imagery Date (Source): 1/24/2022 (State of Florida)
 2. Lidar DEM Source: 2021 Miami-Dade County 5ft Lidar DEM

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0 1,000 2,000 Feet
 Map Scale: 1:18,000
 1 in = 1,500 ft

Project:
 Vulnerability Assessment

Client:
 City of Miami Springs

Sheet Title:
 Critical Assets & 20-year Return Period
 Storm Surge + 2070 Int-High SLR

Legend

Miami Springs Municipal Boundary	City Hall	Park	Flood Depth (ft, NAVD88)
Solid Waste Facility	Fire Station	Historical Asset	
Public Works	Law Enforcement	Park	0 - 1
Community Center	Library	Water	1 - 2
			2 - 3
			3 - 4
			>4

CRITICAL ASSETS & 100-YEAR RETURN PERIOD STORM SURGE



Notes:
 1. Background Imagery Date (Source): 1/24/2022 (State of Florida)
 2. Lidar DEM Source: 2021 Miami-Dade County 5ft Lidar DEM

 	 	0 1,000 2,000 Feet Map Scale: 1:18,000 1 in = 1,500 ft	Client: City of Miami Springs	Legend Miami Springs Municipal Boundary Critical Infrastructure Solid Waste Facility Critical Community and Emergency Facilities Library	Natural, Cultural, and Historical Resources Park Historical Asset	Flood Depth (ft, NAVD88) 0 - 1 1 - 2 2 - 3 3 - 4 >4
		Project: Vulnerability Assessment	Sheet Title: Critical Assets & 100-year Return Period Storm Surge			

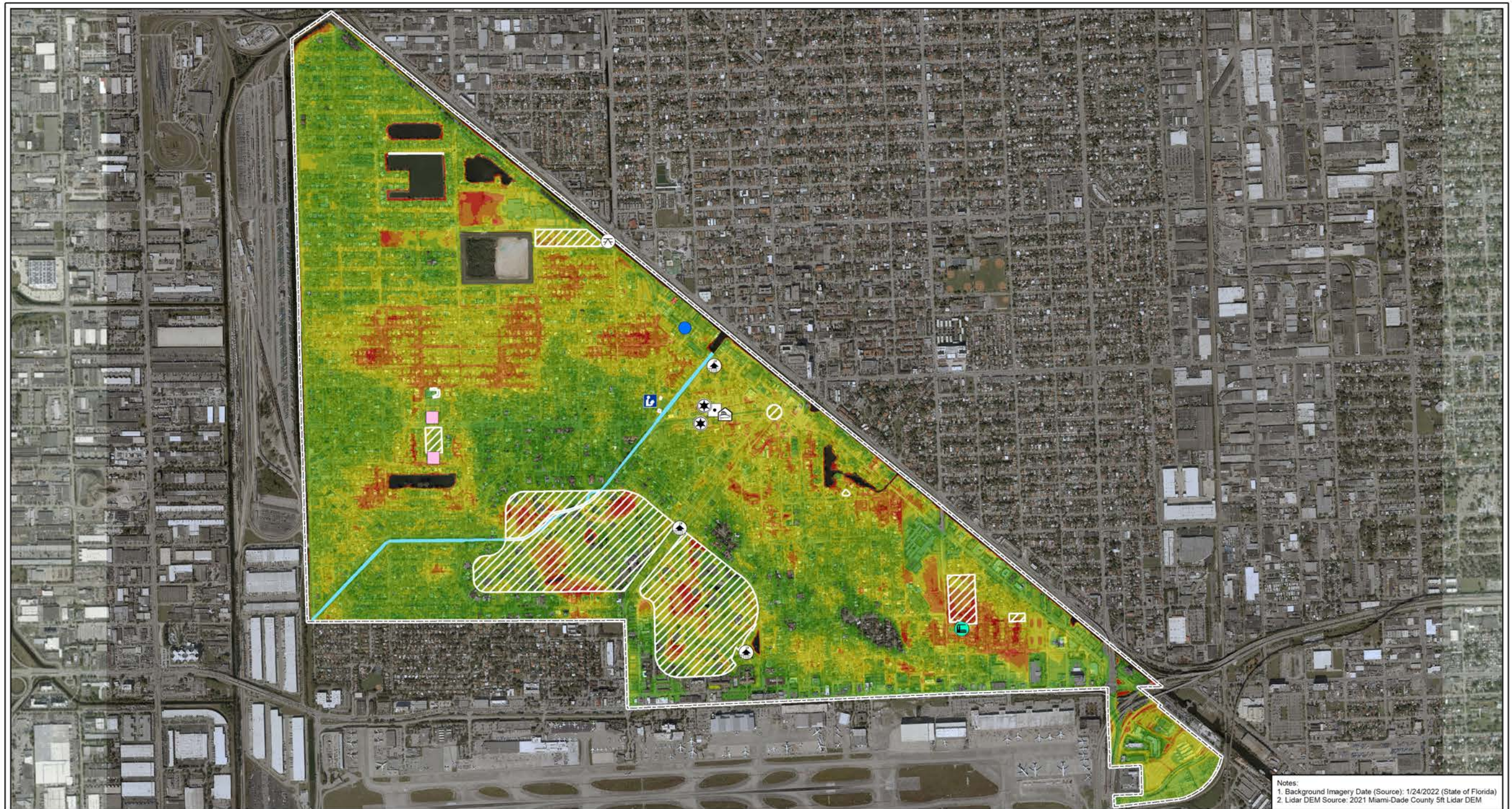
CRITICAL ASSETS & 100-YEAR RETURN PERIOD STORM SURGE + 2040 INT-LOW SLR



Notes:
 1. Background Imagery Date (Source): 1/24/2022 (State of Florida)
 2. Lidar DEM Source: 2021 Miami-Dade County 5ft Lidar DEM

 CUMMINS CEDERBERG Coastal & Marine Engineering	0 1,000 2,000 Feet Map Scale: 1:18,000 1 in = 1,500 ft	Client: City of Miami Springs	Legend Miami Springs Municipal Boundary Critical Infrastructure Solid Waste Facility Critical Community and Emergency Facilities Library City Hall Fire Station Public Works Law Enforcement Community Center Natural, Cultural, and Historical Resources Park Historical Asset Park Water Flood Depth (ft, NAVD88) 0 - 1 1 - 2 2 - 3 3 - 4 >4
	Project: Vulnerability Assessment	Sheet Title: Critical Assets & 100-year Return Period Storm Surge + 2040 Int-Low SLR	

CRITICAL ASSETS & 100-YEAR RETURN PERIOD STORM SURGE + 2040 INT-HIGH SLR



Notes:
 1. Background Imagery Date (Source): 1/24/2022 (State of Florida)
 2. Lidar DEM Source: 2021 Miami-Dade County 5ft Lidar DEM

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 Map Scale: 1:18,000
 1 in = 1,500 ft

Project:
 Vulnerability Assessment

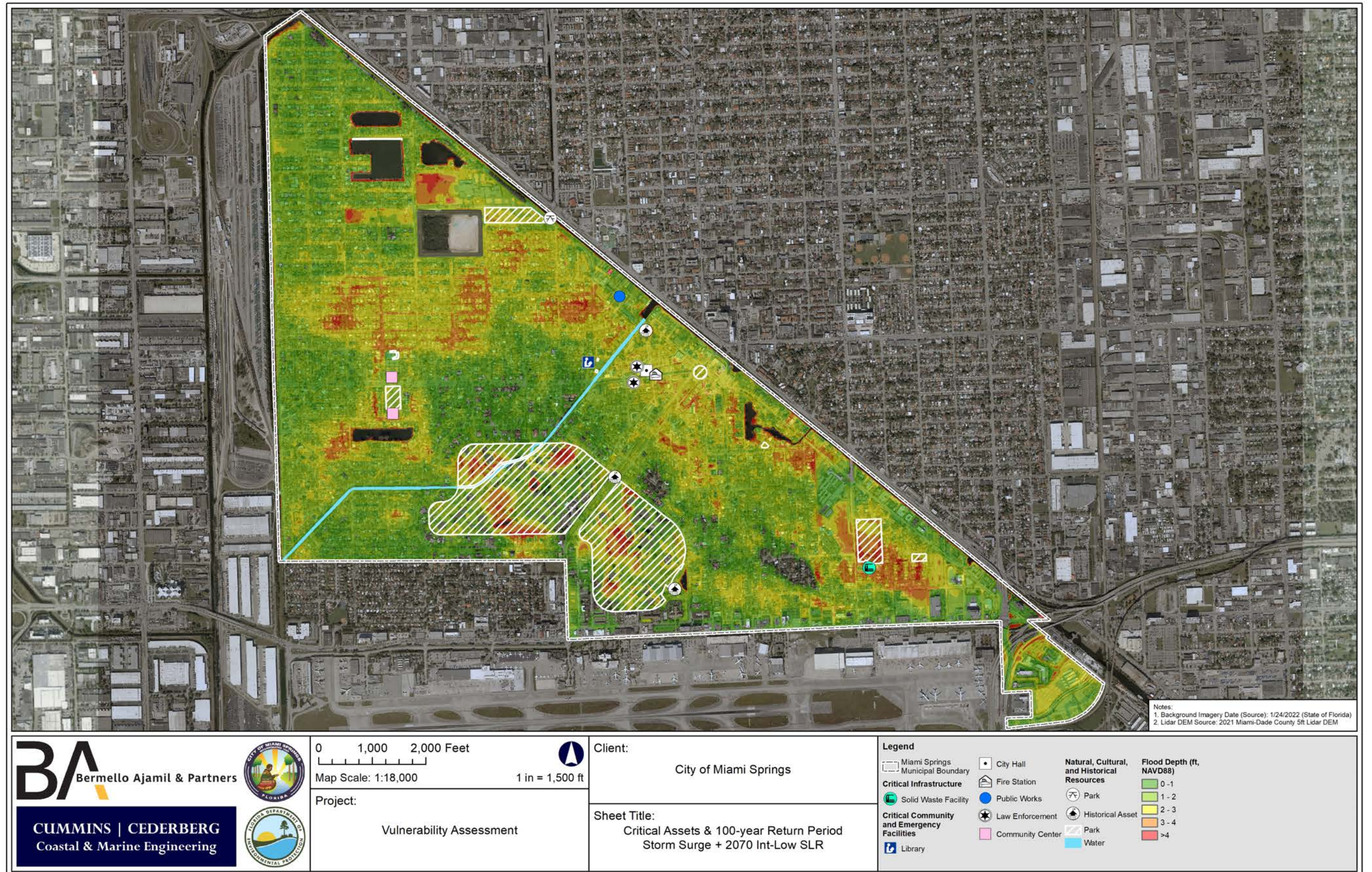
Client:
 City of Miami Springs

Sheet Title:
 Critical Assets & 100-year Return Period
 Storm Surge + 2040 Int-High SLR

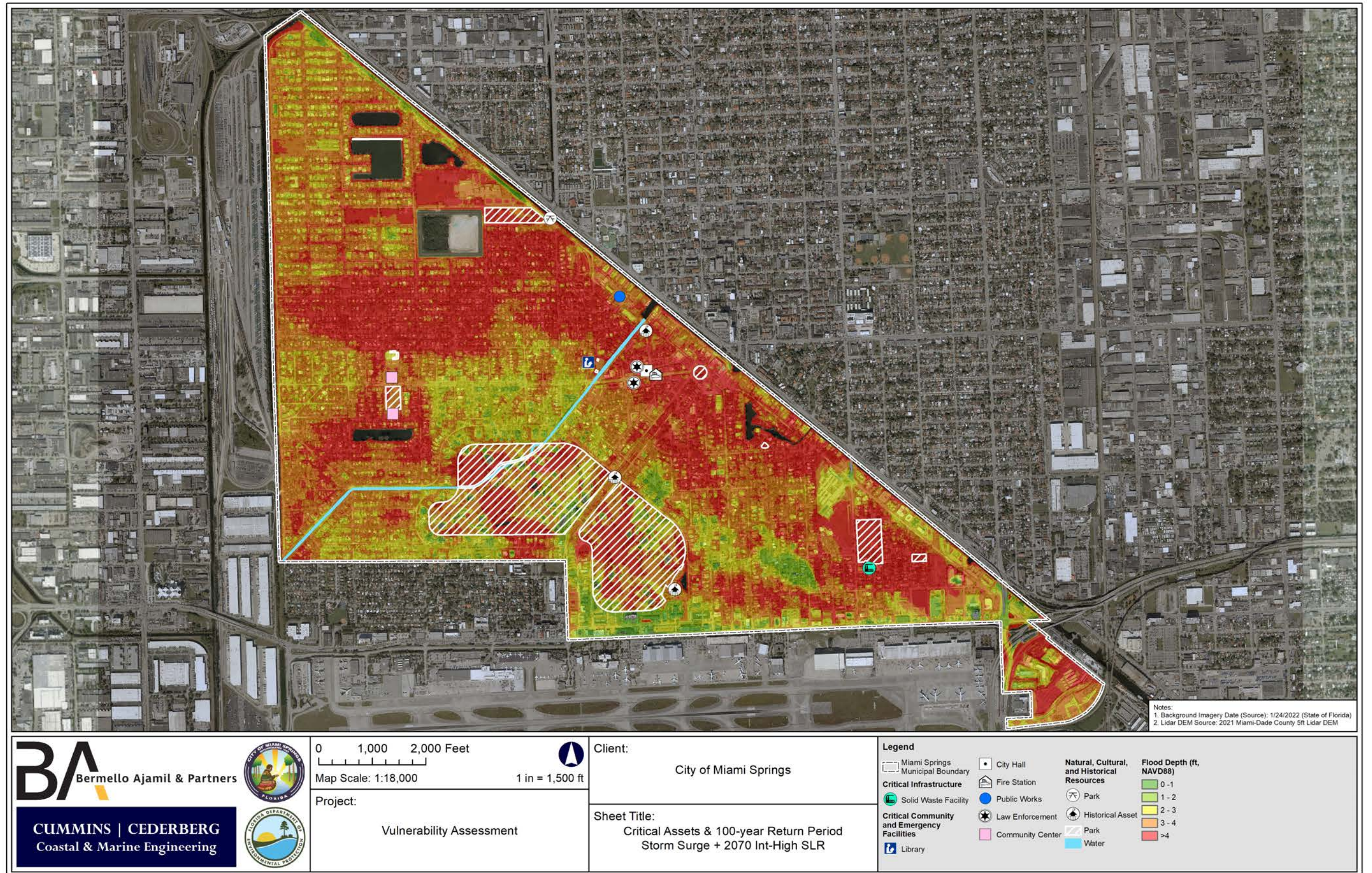
Legend

Miami Springs Municipal Boundary	City Hall	Park	Flood Depth (ft, NAVD88)
Solid Waste Facility	Fire Station	Historical Asset	
Public Works	Law Enforcement	Park	0 - 1
Community Center	Library	Water	1 - 2
			2 - 3
			3 - 4
			>4

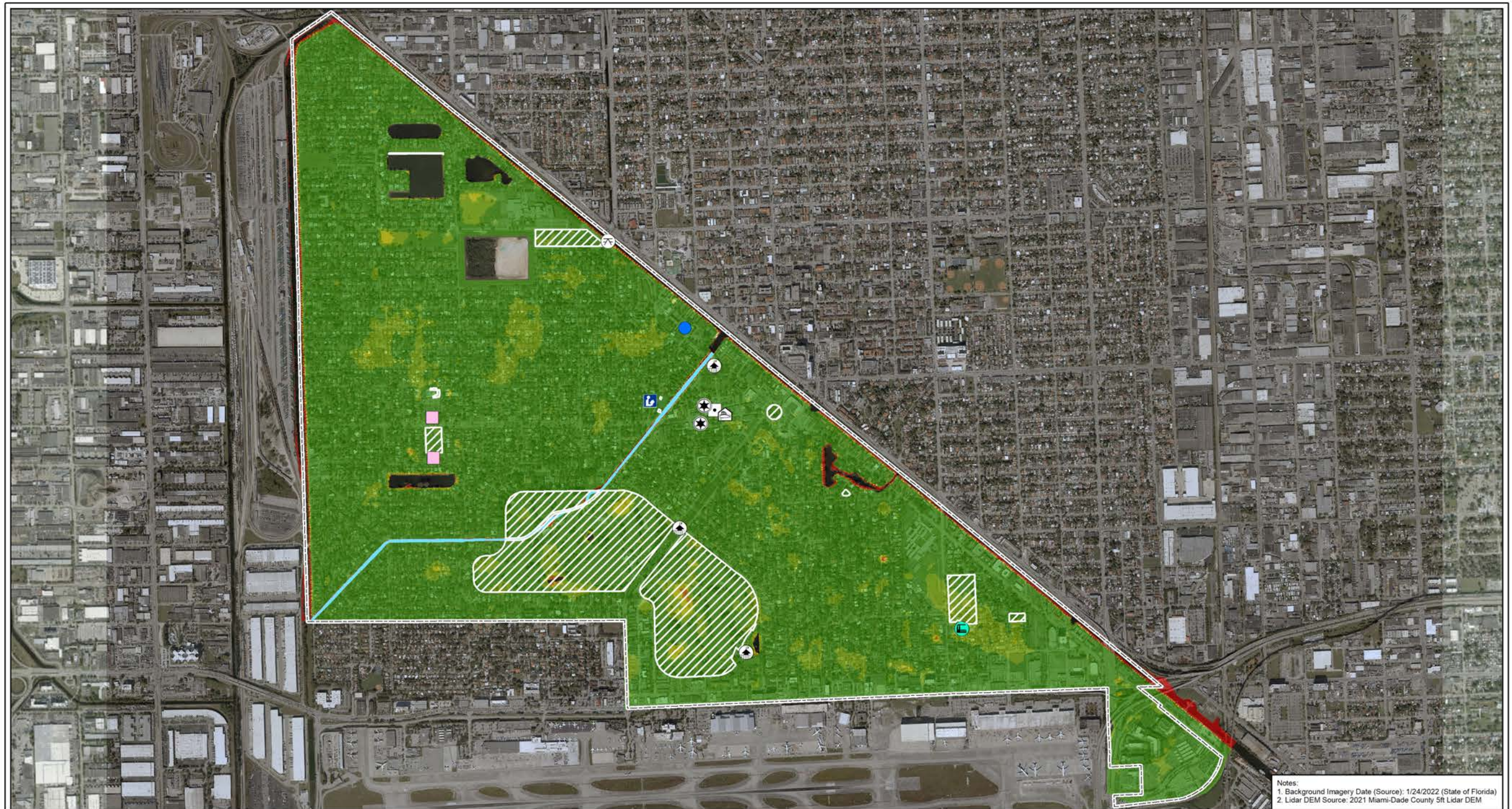
CRITICAL ASSETS & 100-YEAR RETURN PERIOD STORM SURGE + 2070 INT-LOW SLR



CRITICAL ASSETS & 100-YEAR RETURN PERIOD STORM SURGE + 2070 INT-HIGH SLR



CRITICAL ASSETS & 100-YEAR RETURN PERIOD RAINFALL



Notes:
 1. Background Imagery Date (Source): 1/24/2022 (State of Florida)
 2. Lidar DEM Source: 2021 Miami-Dade County 5ft Lidar DEM

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 Map Scale: 1:18,000
 1 in = 1,500 ft

Project:
 Vulnerability Assessment

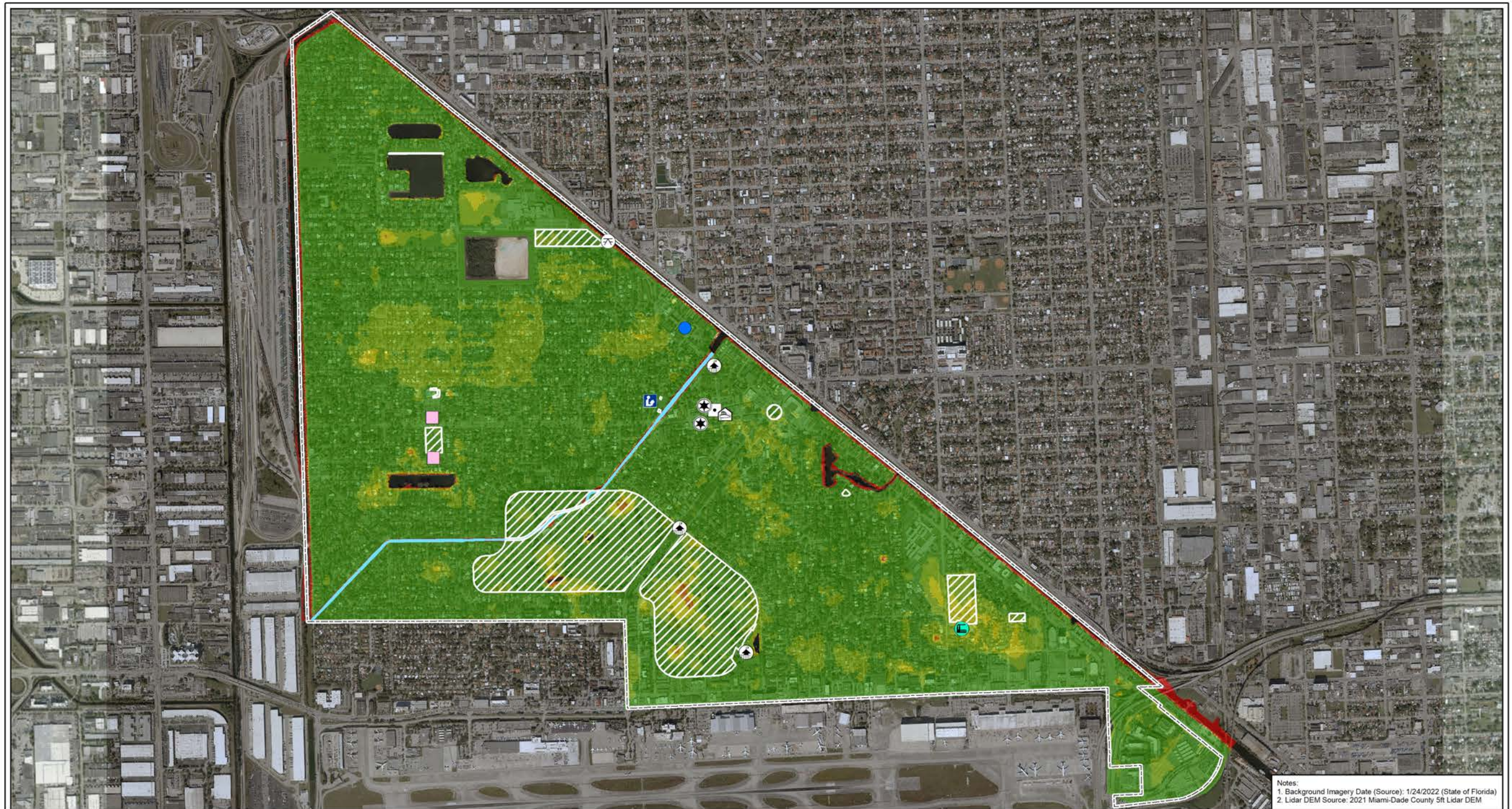
Client:
 City of Miami Springs

Sheet Title:
 Critical Assets & 100-year Return Period Rainfall

Legend

Miami Springs Municipal Boundary	City Hall	Natural, Cultural, and Historical Resources	Flood Depth (ft, NAVD88)
Critical Infrastructure	Fire Station	Park	0 - 1
Solid Waste Facility	Public Works	Historical Asset	1 - 2
Critical Community and Emergency Facilities	Law Enforcement	Park	2 - 3
Library	Community Center	Water	3 - 4
			>4



CRITICAL ASSETS & 500-YEAR RETURN PERIOD RAINFALL



Notes:
 1. Background Imagery Date (Source): 1/24/2022 (State of Florida)
 2. Lidar DEM Source: 2021 Miami-Dade County 5ft Lidar DEM

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Coastal & Marine Engineering

0 1,000 2,000 Feet
 Map Scale: 1:18,000
 1 in = 1,500 ft

Project:
 Vulnerability Assessment

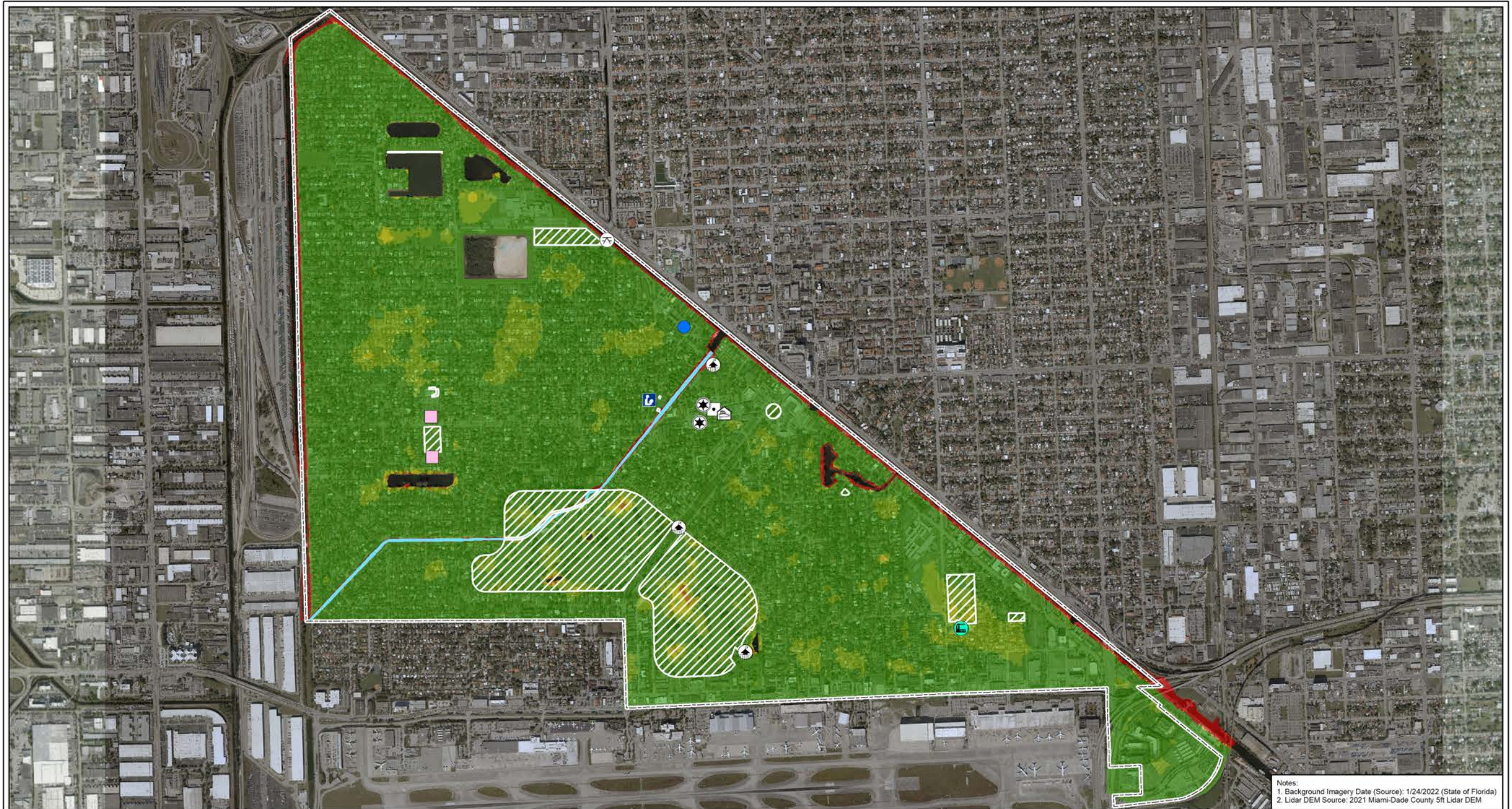
Client:
 City of Miami Springs

Sheet Title:
 Critical Assets & 500-year Return Period Rainfall

Legend

Miami Springs Municipal Boundary	City Hall	Park	Flood Depth (ft, NAVD88)
Critical Infrastructure	Fire Station	Historical Asset	
Solid Waste Facility	Public Works	Community Center	
Critical Community and Emergency Facilities	Law Enforcement	Water	
Library			0 - 1
			1 - 2
			2 - 3
			3 - 4
			>4

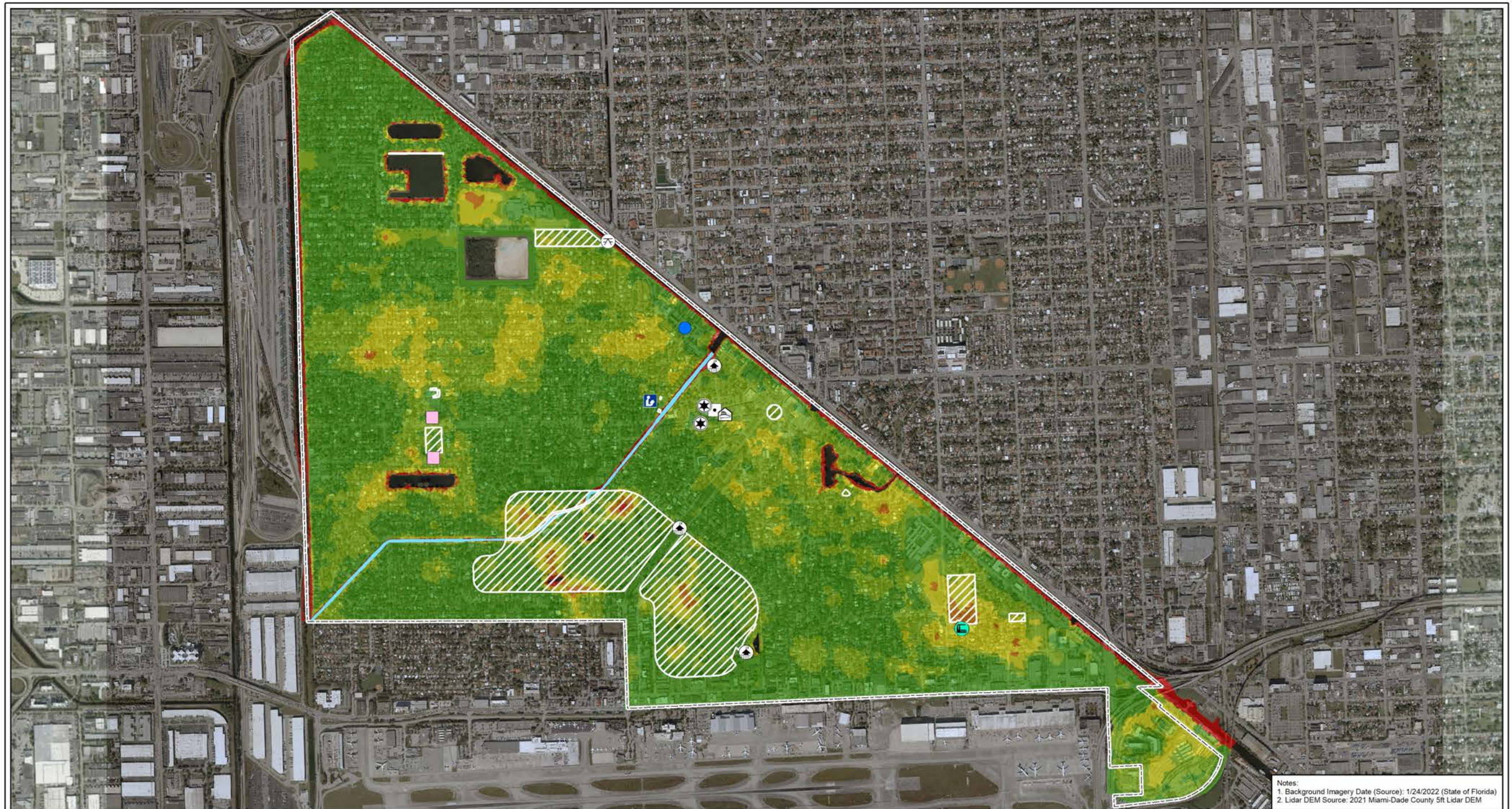
CRITICAL ASSETS & 100-YEAR RETURN PERIOD RAINFALL + 20-YEAR RETURN STORM SURGE + 2040 INT-LOW SLR



Notes:
 1. Background Imagery Date (Source): 1/24/2022 (State of Florida)
 2. Lidar DEM Source: 2021 Miami-Dade County 5ft Lidar DEM

 CUMMINS CEDERBERG Coastal & Marine Engineering	0 1,000 2,000 Feet Map Scale: 1:18,000 1 in = 1,500 ft	Client: City of Miami Springs	Legend Miami Springs Municipal Boundary Critical Infrastructure Solid Waste Facility Critical Community and Emergency Facilities Library City Hall Fire Station Public Works Law Enforcement Community Center Natural, Cultural, and Historical Resources Park Historical Asset Park Water Flood Depth (ft, NAVD88) 0 - 1 1 - 2 2 - 3 3 - 4 >4
	Project: Vulnerability Assessment	Sheet Title: Critical Assets & 100-year Return Period Rainfall + 20-year Return Period Storm Surge + 2040 Int-Low SLR	

CRITICAL ASSETS & 100-YEAR RETURN PERIOD RAINFALL + 100-YEAR RETURN STORM SURGE + 2070 INT-LOW SLR



Notes:
 1. Background Imagery Date (Source): 1/24/2022 (State of Florida)
 2. Lidar DEM Source: 2021 Miami-Dade County 5ft Lidar DEM

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0 1,000 2,000 Feet
 Map Scale: 1:18,000
 1 in = 1,500 ft

Project:
 Vulnerability Assessment

Client:
 City of Miami Springs

Sheet Title:
 Critical Assets & 100-year Return Period Rainfall +
 100-year Return Period Storm Surge +
 2070 Int-Low SLR

Legend

Miami Springs Municipal Boundary	City Hall	Park	Flood Depth (ft, NAVD88)
Solid Waste Facility	Fire Station	Historical Asset	
Public Works	Law Enforcement	Park	
Community Center	Library	Water	

0 - 1
 1 - 2
 2 - 3
 3 - 4
 >4

EXHIBIT D

**FUTURE INUNDATION
SCENARIOS ANALYSIS**

CRITICAL ASSETS - CHARLES B STAFFORD PARK

CRITICAL ASSET	ADDRESS	FOCUS AREA		RATING	
CHARLES B STAFFORD PARK	489 EAST DR.	C		5	

Asset Name	Event	0 to 1 ft	1 to 2 ft	2 to 3 ft	3 to 4 ft	4 to 5 ft	5 to 6 ft	6 to 7 ft	more than 7 ft
Charles B Stafford Park	100 year rainfall								
	500 year rainfall								
	100 Storm surge								
	2040 +20								
	2040+ 100								
	2070+20								
	2070+100								

CRITICAL ASSETS - RAGAN PARK

CRITICAL ASSET	ADDRESS	FOCUS AREA		RATING	
RAGAN PARK	LA BARON DR. / RAGAN DR.	C		5	

Asset Name	Event	0 to 1 ft	1 to 2 ft	2 to 3 ft	3 to 4 ft	4 to 5 ft	5 to 6 ft	6 to 7 ft	more than 7 ft
Ragan Park	100 year rainfall								
	500 year rainfall								
	100 Storm surge								
	2040 +20								
	2040+ 100								
	2070+20								
	2070+100								

CRITICAL ASSETS - STANFFORD PARK DEBRIS STAGING AREA

CRITICAL ASSET	ADDRESS	FOCUS AREA		RATING	
STAFFORD PARK DEBRIS STAGING AREA	501 EAST DR.	C		3	

Asset Name	Event	0 to 1 ft	1 to 2 ft	2 to 3 ft	3 to 4 ft	4 to 5 ft	5 to 6 ft	6 to 7 ft	more than 7 ft
East Drive Park Debris Staging Area	100 year rainfall								
	500 year rainfall								
	100 Storm surge								
	2040 +20								
	2040+ 100								
	2070+20								
	2070+100								

CRITICAL ASSETS - CIRCLE PARK

CRITICAL ASSET	ADDRESS	FOCUS AREA	RATING
CIRCLE PARK	CURTIS PKWY & WESTWARD DR.	B	5

Asset Name	Event	0 to 1 ft	1 to 2 ft	2 to 3 ft	3 to 4 ft	4 to 5 ft	5 to 6 ft	6 to 7 ft	more than 7 ft
Circle Park	100 year rainfall	█							
	500 year rainfall	█							
	100 Storm surge	█							
	2040 +20	█							
	2040+ 100	█		█					
	2070+20	█		█	█				
	2070+100	█		█	█	█			

CRITICAL ASSETS - MIAMI SPRINGS TENNIS/RAQUETBALL FACILITY

CRITICAL ASSET	ADDRESS	FOCUS AREA	RATING
MIAMI SPRINGS TENNIS / RAQUETBALL FACILITY	401 WESTWARD DR.	B	5

Asset Name	Event	0 to 1 ft	1 to 2 ft	2 to 3 ft	3 to 4 ft	4 to 5 ft	5 to 6 ft	6 to 7 ft	more than 7 ft
Miami Springs Tennis / Raquetball Facility	100 year rainfall	█							
	500 year rainfall	█							
	100 Storm surge	█							
	2040 +20	█							
	2040+ 100	█		█					
	2070+20	█		█	█				
	2070+100	█		█	█	█			

CRITICAL ASSETS - MELROSE CANAL

CRITICAL ASSET	ADDRESS	FOCUS AREA	RATING
MELROSE CANAL	EXPLANADE DR N. AND S.	B	3

Asset Name	Event	0 to 1 ft	1 to 2 ft	2 to 3 ft	3 to 4 ft	4 to 5 ft	5 to 6 ft	6 to 7 ft	more than 7 ft
Melrose Canal	100 year rainfall	█							
	500 year rainfall	█							
	100 Storm surge	█							
	2040 +20	█							
	2040+ 100	█		█					
	2070+20	█		█	█				
	2070+100	█		█	█	█			

CRITICAL ASSETS - FMAF & GEN. GEIGER MEMORIAL

CRITICAL ASSET		ADDRESS		FOCUS AREA		RATING			
FMAF & GEN. GEIGER MEMORIAL		650 CURTISS PKWY.		D		5			
Asset Name	Event	0 to 1 ft	1 to 2 ft	2 to 3 ft	3 to 4 ft	4 to 5 ft	5 to 6 ft	6 to 7 ft	more than 7 ft
FMAF & Gen. Geiger Memorial	100 year rainfall	█							
	500 year rainfall	█							
	100 Storm surge								
	2040 +20	█	█						
	2040+ 100	█	█						
	2070+20	█	█	█					
	2070+100	█	█	█	█				

CRITICAL ASSETS - GLEN CURTIS RESIDENCE

CRITICAL ASSET		ADDRESS		FOCUS AREA		RATING			
GLEN CURTIS RESIDENCE		500 DEER RUN		D		5			
Asset Name	Event	0 to 1 ft	1 to 2 ft	2 to 3 ft	3 to 4 ft	4 to 5 ft	5 to 6 ft	6 to 7 ft	more than 7 ft
Glenn Curtis Residence	100 year rainfall	█							
	500 year rainfall	█							
	100 Storm surge								
	2040 +20								
	2040+ 100	█	█						
	2070+20	█	█						
	2070+100	█	█	█	█				

CRITICAL ASSETS - MIAMI SPRINGS GOLF AND COUNTRY CLUB

CRITICAL ASSET		ADDRESS		FOCUS AREA		RATING			
MIAMI SPRINGS GOLF AND COUNTRY CLUB		650 CURTISS PKWY.		D		5			
Asset Name	Event	0 to 1 ft	1 to 2 ft	2 to 3 ft	3 to 4 ft	4 to 5 ft	5 to 6 ft	6 to 7 ft	more than 7 ft
Miami Springs Golf and Country Club	100 year rainfall	█	█	█	█	█	█	█	█
	500 year rainfall	█	█	█	█	█	█	█	█
	100 Storm surge	█	█	█	█	█	█	█	█
	2040 +20	█	█	█	█	█	█	█	█
	2040+ 100	█	█	█	█	█	█	█	█
	2070+20	█	█	█	█	█	█	█	█
	2070+100	█	█	█	█	█	█	█	█

CRITICAL ASSETS -
 MIAMI SPRINGS CITY HALL / MIAMI SPRINGS FIRE 35 / MIAMI SPRINGS POLICE DEPARTMENT

CRITICAL ASSET	ADDRESS	FOCUS AREA	RATING
MIAMI SPRINGS CITY HALL	201 WESTWARD DR.	B	1
CRITICAL ASSET	ADDRESS	FOCUS AREA	RATING
MIAMI SPRINGS FIRE 35	201 WESTWARD DR.	B	1
CRITICAL ASSET	ADDRESS	FOCUS AREA	RATING
MIAMI SPRINGS POLICE DEPARTMENT	201 WESTWARD DR.	B	1

Asset Name	Event	0 to 1 ft	1 to 2 ft	2 to 3 ft	3 to 4 ft	4 to 5 ft	5 to 6 ft	6 to 7 ft	more than 7 ft
Miami Springs City Hall Complex	100 year rainfall	1							
	500 year rainfall	1	1						
	100 Storm surge	1	1						
	2040 +20	2	1						
	2040+ 100	2	1	1					
	2070+20	3	2	1					
2070+100	3	2	1	1					

All 3 Assets are at the same location / address.

CRITICAL ASSETS - MIAMI SPRINGS ELEMENTARY SCHOOL

CRITICAL ASSET	ADDRESS	FOCUS AREA		RATING	
MIAMI SPRINGS ELEMENTARY SCHOOL	51 PARK ST.	B		1	

Asset Name	Event	0 to 1 ft	1 to 2 ft	2 to 3 ft	3 to 4 ft	4 to 5 ft	5 to 6 ft	6 to 7 ft	more than 7 ft
Miami Springs Elementary School	100 year rainfall	█							
	500 year rainfall	█	█						
	100 Storm surge	█	█						
	2040 +20								
	2040+ 100	█	█	█					
	2070+20	█	█	█	█				
	2070+100	█	█	█	█	█			

CRITICAL ASSETS - MIAMI SPRINGS BRANCH LIBRARY

CRITICAL ASSET	ADDRESS	FOCUS AREA		RATING	
MIAMI SPRINGS BRANCH LIBRARY	401 WESTWARD DR.	B		1	

Asset Name	Event	0 to 1 ft	1 to 2 ft	2 to 3 ft	3 to 4 ft	4 to 5 ft	5 to 6 ft	6 to 7 ft	more than 7 ft
Miami Springs Branch Library	100 year rainfall	█							
	500 year rainfall	█							
	100 Storm surge	█							
	2040 +20								
	2040+ 100	█	█	█					
	2070+20	█	█	█	█				
	2070+100	█	█	█	█	█			

CRITICAL ASSETS - MIAMI SPRINGS POLICE DEPARTMENT - SUBSTATION

CRITICAL ASSET	ADDRESS	FOCUS AREA	RATING
MIAMI SPRINGS POLICE DEPARTMENT - SUBSTATION	274 WESTWARD DR.	B	1

Asset Name	Event	0 to 1 ft	1 to 2 ft	2 to 3 ft	3 to 4 ft	4 to 5 ft	5 to 6 ft	6 to 7 ft	more than 7 ft
Miami Springs Police Department - Substation	100 year rainfall	Green							
	500 year rainfall	Green	Green						
	100 Storm surge	Green	Green						
	2040 +20	Yellow	Yellow						
	2040+ 100	Orange	Orange	Orange					
	2070+20	Red	Red	Red	Red				
	2070+100	Red	Red	Red	Red	Red			

CRITICAL ASSETS - MIAMI SPRINGS PUBLIC WORKS

CRITICAL ASSET	ADDRESS	FOCUS AREA	RATING
MIAMI SPRINGS PUBLIC WORKS	345 N ROYAL POINCIANA BLVD.	B	1

Asset Name	Event	0 to 1 ft	1 to 2 ft	2 to 3 ft	3 to 4 ft	4 to 5 ft	5 to 6 ft	6 to 7 ft	more than 7 ft
Miami Springs Public Works	100 year rainfall	Green							
	500 year rainfall	Green							
	100 Storm surge	Green							
	2040 +20	Green							
	2040+ 100	Green	Green						
	2070+20	Yellow	Yellow						
	2070+100	Yellow	Yellow	Yellow					

CRITICAL ASSETS - MIAMI SPRINGS SENIOR CENTER

CRITICAL ASSET	ADDRESS	FOCUS AREA		RATING	
MIAMI SPRINGS SENIOR CENTER	101 Apache St.	A		4	

Asset Name	Event	0 to 1 ft	1 to 2 ft	2 to 3 ft	3 to 4 ft	4 to 5 ft	5 to 6 ft	6 to 7 ft	more than 7 ft
Miami Springs Senior Center	100 year rainfall	█							
	500 year rainfall	█	█						
	100 Storm surge	█	█						
	2040 +20	█	█	█					
	2040+ 100	█	█	█	█				
	2070+20	█	█	█	█	█			
	2070+100	█	█	█	█	█	█		

CRITICAL ASSETS - MIAMI SPRINGS COMMUNITY CENTER

CRITICAL ASSET	ADDRESS	FOCUS AREA		RATING	
MIAMI SPRINGS COMMUNITY CENTER	1401 Westward Dr.	A		4	

Asset Name	Event	0 to 1 ft	1 to 2 ft	2 to 3 ft	3 to 4 ft	4 to 5 ft	5 to 6 ft	6 to 7 ft	more than 7 ft
Miami Springs Community Center	100 year rainfall	█							
	500 year rainfall	█	█						
	100 Storm surge	█	█						
	2040 +20	█	█	█					
	2040+ 100	█	█	█	█				
	2070+20	█	█	█	█	█			
	2070+100	█	█	█	█	█	█		

CRITICAL ASSETS - PRINCE FIELD

CRITICAL ASSET	ADDRESS	FOCUS AREA	RATING
PRINCE FIELD	101 Apache St.	A	5

Asset Name	Event	0 to 1 ft	1 to 2 ft	2 to 3 ft	3 to 4 ft	4 to 5 ft	5 to 6 ft	6 to 7 ft	more than 7 ft
Prince Field	100 year rainfall	Light Green							
	500 year rainfall	Light Green	Light Green						
	100 Storm surge	Light Green	Light Green						
	2040 +20	Light Green	Light Green						
	2040+ 100	Orange	Orange	Orange	Orange				
	2070+20	Orange	Orange	Orange	Orange	Orange			
	2070+100	Red	Red	Red	Red	Red	Red		

CRITICAL ASSETS - MIAMI SPRINGS AQUATIC CENTER

CRITICAL ASSET	ADDRESS	FOCUS AREA	RATING
MIAMI SPRINGS AQUATIC CENTER	501 Payne Dr.	A	5

Asset Name	Event	0 to 1 ft	1 to 2 ft	2 to 3 ft	3 to 4 ft	4 to 5 ft	5 to 6 ft	6 to 7 ft	more than 7 ft
Miami Springs Aquatic Center	100 year rainfall	Light Green							
	500 year rainfall	Light Green	Light Green						
	100 Storm surge	Light Green	Light Green						
	2040 +20	Light Green	Light Green						
	2040+ 100	Yellow	Yellow	Yellow					
	2070+20	Yellow	Yellow	Yellow	Yellow				
	2070+100	Red	Red	Red	Red	Red	Red		

100 YEAR STORM SURGE

Asset Name	Event	0 to 1 ft	1 to 2 ft	2 to 3 ft	3 to 4 ft	4 to 5 ft	5 to 6 ft	6 to 7 ft	more than 7 ft
Miami Springs Senior Center	100 year storm surge								
Miami Springs Community Center	100 year storm surge								
Miami Springs City Hall Complex	100 year storm surge								
Miami Springs Police Department - Substation	100 year storm surge								
Miami Springs Public Works	100 year storm surge								
Miami Springs Branch Library	100 year storm surge								
East Drive Park Debris Staging Area	100 year storm surge								
Miami Springs Elementary School	100 year storm surge								
FMAF & Gen. Geiger Memorial	100 year storm surge								
Glenn Curtis Residence	100 year storm surge								
South Bass Park	100 year storm surge								
Miami Springs Golf and Country Club	100 year storm surge								
Peavy-Dove Field Park	100 year storm surge								
Charles B Stafford Park	100 year storm surge								
Ludlam Drive Boat Ramp	100 year storm surge								
Ragan Park	100 year storm surge								
Circle Park	100 year storm surge								
Deleon Park Triangle	100 year storm surge								
Prince Field	100 year storm surge								
Miami Springs Aquatic Center	100 year storm surge								
Miami Springs Tennis / Raquetball Facility	100 year storm surge								
Melrose Canal	100 year storm surge								

100 YEAR RAINFALL

Asset Name	Event	0 to 1 ft	1 to 2 ft	2 to 3 ft	3 to 4 ft	4 to 5 ft	5 to 6 ft	6 to 7 ft	more than 7 ft
Miami Springs Senior Center	100 year rainfall								
Miami Springs Community Center	100 year rainfall								
Miami Springs City Hall Complex	100 year rainfall								
Miami Springs Police Department - Substation	100 year rainfall								
Miami Springs Public Works	100 year rainfall								
Miami Springs Branch Library	100 year rainfall								
East Drive Park Debris Staging Area	100 year rainfall								
Miami Springs Elementary School	100 year rainfall								
FMAF & Gen. Geiger Memorial	100 year rainfall								
Glenn Curtis Residence	100 year rainfall								
South Bass Park	100 year rainfall								
Miami Springs Golf and Country Club	100 year rainfall								
Peavy-Dove Field Park	100 year rainfall								
Charles B Stafford Park	100 year rainfall								
Ludlam Drive Boat Ramp	100 year rainfall								
Ragan Park	100 year rainfall								
Circle Park	100 year rainfall								
Deleon Park Triangle	100 year rainfall								
Prince Field	100 year rainfall								
Miami Springs Aquatic Center	100 year rainfall								
Miami Springs Tennis / Raquetball Facility	100 year rainfall								
Melrose Canal	100 year rainfall								

500 YEAR RAINFALL

Asset Name	Event	0 to 1 ft	1 to 2 ft	2 to 3 ft	3 to 4 ft	4 to 5 ft	5 to 6 ft	6 to 7 ft	more than 7 ft
Miami Springs Senior Center	500 year rainfall	█							
Miami Springs Community Center	500 year rainfall	█							
Miami Springs City Hall Complex	500 year rainfall	█							
Miami Springs Police Department - Substation	500 year rainfall	█							
Miami Springs Public Works	500 year rainfall	█							
Miami Springs Branch Library	500 year rainfall	█							
East Drive Park Debris Staging Area	500 year rainfall	█	█	█	█				
Miami Springs Elementary School	500 year rainfall	█							
FMAF & Gen. Geiger Memorial	500 year rainfall	█							
Glenn Curtis Residence	500 year rainfall	█							
South Bass Park	500 year rainfall	█	█	█	█				
Miami Springs Golf and Country Club	500 year rainfall	█	█	█	█	█	█	█	█
Peavy-Dove Field Park	500 year rainfall	█	█						
Charles B Stafford Park	500 year rainfall	█	█	█	█				
Ludlam Drive Boat Ramp	500 year rainfall	█	█	█	█				
Ragan Park	500 year rainfall	█							
Circle Park	500 year rainfall	█	█						
Deleon Park Triangle	500 year rainfall	█							
Prince Field	500 year rainfall	█							
Miami Springs Aquatic Center	500 year rainfall	█							
Miami Springs Tennis / Raquetball Facility	500 year rainfall	█							
Melrose Canal	500 year rainfall	█							

2040 INTERMEDIATE - HIGH SLR + 20 YEAR STORM SURGE

Asset Name	Event	0 to 1 ft	1 to 2 ft	2 to 3 ft	3 to 4 ft	4 to 5 ft	5 to 6 ft	6 to 7 ft	more than 7 ft
Miami Springs Senior Center	2040 +20	█	█						
Miami Springs Community Center	2040 +20	█	█						
Miami Springs City Hall Complex	2040 +20	█	█						
Miami Springs Police Department - Substation	2040 +20	█	█						
Miami Springs Public Works	2040 +20	█	█						
Miami Springs Branch Library	2040 +20	█							
East Drive Park Debris Staging Area	2040 +20	█	█	█	█				
Miami Springs Elementary School	2040 +20	█	█	█	█				
FMAF & Gen. Geiger Memorial	2040 +20	█							
Glenn Curtis Residence	2040 +20	█							
South Bass Park	2040 +20	█	█	█	█	█	█	█	█
Miami Springs Golf and Country Club	2040 +20	█	█	█	█	█	█	█	█
Peavy-Dove Field Park	2040 +20	█	█						
Charles B Stafford Park	2040 +20	█	█	█	█				
Ludlam Drive Boat Ramp	2040 +20	█	█	█	█				
Ragan Park	2040 +20	█							
Circle Park	2040 +20	█	█						
Deleon Park Triangle	2040 +20	█							
Prince Field	2040 +20	█							
Miami Springs Aquatic Center	2040 +20	█	█						
Miami Springs Tennis / Raquetball Facility	2040 +20	█							
Melrose Canal	2040 +20	█							

2040 INTERMEDIATE - HIGH SLR + 100 YEAR STORM SURGE

Asset Name	Event	0 to 1 ft	1 to 2 ft	2 to 3 ft	3 to 4 ft	4 to 5 ft	5 to 6 ft	6 to 7 ft	more than 7 ft
Miami Springs Senior Center	2040+ 100								
Miami Springs Community Center	2040+ 100								
Miami Springs City Hall Complex	2040+ 100								
Miami Springs Police Department - Substation	2040+ 100								
Miami Springs Public Works	2040+ 100								
Miami Springs Branch Library	2040+ 100								
East Drive Park Debris Staging Area	2040+ 100								
Miami Springs Elementary School	2040+ 100								
FMAF & Gen. Gelger Memorial	2040+ 100								
Glenn Curtis Residence	2040+ 100								
South Bass Park	2040+ 100								
Miami Springs Golf and Country Club	2040+ 100								
Peavy-Dove Field Park	2040+ 100								
Charles B Stafford Park	2040+ 100								
Ludlam Drive Boat Ramp	2040+ 100								
Ragan Park	2040+ 100								
Circle Park	2040+ 100								
Deleon Park Triangle	2040+ 100								
Prince Field	2040+ 100								
Miami Springs Aquatic Center	2040+ 100								
Miami Springs Tennis / Raquetball Facility	2040+ 100								
Melrose Canal	2040+ 100								

2070 INTERMEDIATE - HIGH SLR + 20 YEAR STORM SURGE

Asset Name	Event	0 to 1 ft	1 to 2 ft	2 to 3 ft	3 to 4 ft	4 to 5 ft	5 to 6 ft	6 to 7 ft	more than 7 ft
Miami Springs Senior Center	2070+20								
Miami Springs Community Center	2070+20								
Miami Springs City Hall Complex	2070+20								
Miami Springs Police Department - Substation	2070+20								
Miami Springs Public Works	2070+20								
Miami Springs Branch Library	2070+20								
East Drive Park Debris Staging Area	2070+20								
Miami Springs Elementary School	2070+20								
FMAF & Gen. Gelger Memorial	2070+20								
Glenn Curtis Residence	2070+20								
South Bass Park	2070+20								
Miami Springs Golf and Country Club	2070+20								
Peavy-Dove Field Park	2070+20								
Charles B Stafford Park	2070+20								
Ludlam Drive Boat Ramp	2070+20								
Ragan Park	2070+20								
Circle Park	2070+20								
Deleon Park Triangle	2070+20								
Prince Field	2070+20								
Miami Springs Aquatic Center	2070+20								
Miami Springs Tennis / Raquetball Facility	2070+20								
Melrose Canal	2070+20								

2070 INTERMEDIATE - HIGH SLR + 100 YEAR STORM SURGE

Asset Name	Event	0 to 1 ft	1 to 2 ft	2 to 3 ft	3 to 4 ft	4 to 5 ft	5 to 6 ft	6 to 7 ft	more than 7 ft
Miami Springs Senior Center	2070+100								
Miami Springs Community Center	2070+100								
Miami Springs City Hall Complex	2070+100								
Miami Springs Police Department - Substation	2070+100								
Miami Springs Public Works	2070+100								
Miami Springs Branch Library	2070+100								
East Drive Park Debris Staging Area	2070+100								
Miami Springs Elementary School	2070+100								
FMAF & Gen. Geiger Memorial	2070+100								
Glenn Curtis Residence	2070+100								
South Bass Park	2070+100								
Miami Springs Golf and Country Club	2070+100								
Peavy-Dove Field Park	2070+100								
Charles B Stafford Park	2070+100								
Ludlam Drive Boat Ramp	2070+100								
Ragan Park	2070+100								
Circle Park	2070+100								
Deleon Park Triangle	2070+100								
Prince Field	2070+100								
Miami Springs Aquatic Center	2070+100								
Miami Springs Tennis / Raquetball Facility	2070+100								
Melrose Canal	2070+100								

2040 INTERMEDIATE - LOW + 20 YEAR STORM SURGE

Asset Name	Event	0 to 1 ft	1 to 2 ft	2 to 3 ft	3 to 4 ft	4 to 5 ft	5 to 6 ft	6 to 7 ft	more than 7 ft
Miami Springs Senior Center	2040 I-L +20								
Miami Springs Community Center	2040 I-L +20								
Miami Springs City Hall Complex	2040 I-L +20								
Miami Springs Police Department - Substation	2040 I-L +20								
Miami Springs Public Works	2040 I-L +20								
Miami Springs Branch Library	2040 I-L +20								
East Drive Park Debris Staging Area	2040 I-L +20								
Miami Springs Elementary School	2040 I-L +20								
FMAF & Gen. Geiger Memorial	2040 I-L +20								
Glenn Curtis Residence	2040 I-L +20								
South Bass Park	2040 I-L +20								
Miami Springs Golf and Country Club	2040 I-L +20								
Peavy-Dove Field Park	2040 I-L +20								
Charles B Stafford Park	2040 I-L +20								
Ludlam Drive Boat Ramp	2040 I-L +20								
Ragan Park	2040 I-L +20								
Circle Park	2040 I-L +20								
Deleon Park Triangle	2040 I-L +20								
Prince Field	2040 I-L +20								
Miami Springs Aquatic Center	2040 I-L +20								
Miami Springs Tennis / Raquetball Facility	2040 I-L +20								
Melrose Canal	2040 I-L +20								

2040 INTERMEDIATE - LOW + 100 YEAR STORM SURGE

Asset Name	Event	0 to 1 ft	1 to 2 ft	2 to 3 ft	3 to 4 ft	4 to 5 ft	5 to 6 ft	6 to 7 ft	more than 7 ft
Miami Springs Senior Center	2040 I-L +100								
Miami Springs Community Center	2040 I-L +100								
Miami Springs City Hall Complex	2040 I-L +100								
Miami Springs Police Department - Substation	2040 I-L +100								
Miami Springs Public Works	2040 I-L +100								
Miami Springs Branch Library	2040 I-L +100								
East Drive Park Debris Staging Area	2040 I-L +100								
Miami Springs Elementary School	2040 I-L +100								
FMAF & Gen. Geiger Memorial	2040 I-L +100								
Glenn Curtis Residence	2040 I-L +100								
South Bass Park	2040 I-L +100								
Miami Springs Golf and Country Club	2040 I-L +100								
Peavy-Dove Field Park	2040 I-L +100								
Charles B Stafford Park	2040 I-L +100								
Ludlam Drive Boat Ramp	2040 I-L +100								
Ragan Park	2040 I-L +100								
Circle Park	2040 I-L +100								
Deleon Park Triangle	2040 I-L +100								
Prince Field	2040 I-L +100								
Miami Springs Aquatic Center	2040 I-L +100								
Miami Springs Tennis / Raquetball Facility	2040 I-L +100								
Melrose Canal	2040 I-L +100								

2070 INTERMEDIATE - LOW SLR + 20 YEAR STORM SURGE

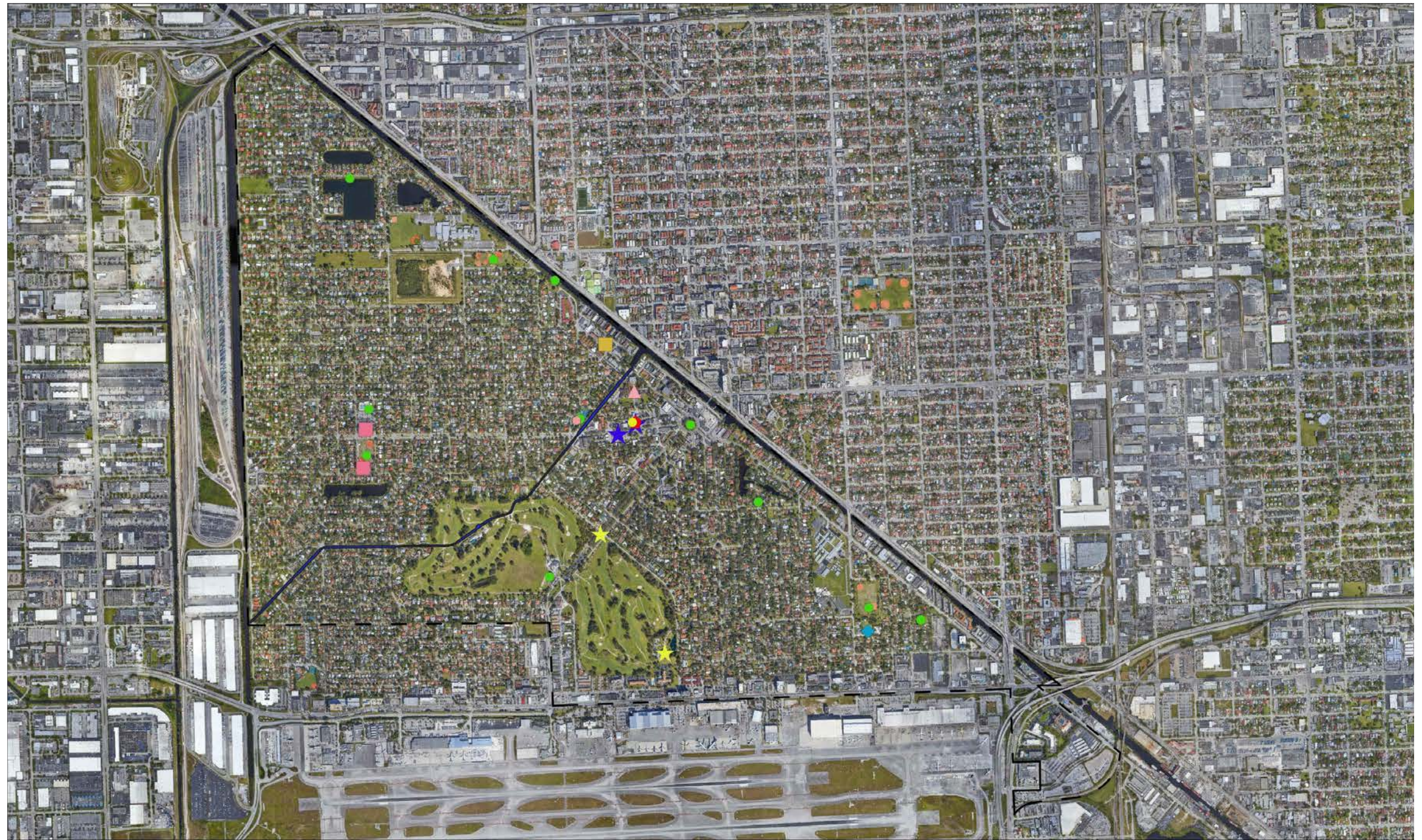
Asset Name	Event	0 to 1 ft	1 to 2 ft	2 to 3 ft	3 to 4 ft	4 to 5 ft	5 to 6 ft	6 to 7 ft	more than 7 ft
Miami Springs Senior Center	2070 I-L +20								
Miami Springs Community Center	2070 I-L +20								
Miami Springs City Hall Complex	2070 I-L +20								
Miami Springs Police Department - Substation	2070 I-L +20								
Miami Springs Public Works	2070 I-L +20								
Miami Springs Branch Library	2070 I-L +20								
East Drive Park Debris Staging Area	2070 I-L +20								
Miami Springs Elementary School	2070 I-L +20								
FMAF & Gen. Geiger Memorial	2070 I-L +20								
Glenn Curtis Residence	2070 I-L +20								
South Bass Park	2070 I-L +20								
Miami Springs Golf and Country Club	2070 I-L +20								
Peavy-Dove Field Park	2070 I-L +20								
Charles B Stafford Park	2070 I-L +20								
Ludlam Drive Boat Ramp	2070 I-L +20								
Ragan Park	2070 I-L +20								
Circle Park	2070 I-L +20								
Deleon Park Triangle	2070 I-L +20								
Prince Field	2070 I-L +20								
Miami Springs Aquatic Center	2070 I-L +20								
Miami Springs Tennis / Raquetball Facility	2070 I-L +20								
Melrose Canal	2070 I-L +20								

2070 INTERMEDIATE - LOW SLR + 100 YEAR STORM SURGE

Asset Name	Event	0 to 1 ft	1 to 2 ft	2 to 3 ft	3 to 4 ft	4 to 5 ft	5 to 6 ft	6 to 7 ft	more than 7 ft
Miami Springs Senior Center	2070 I-L +100								
Miami Springs Community Center	2070 I-L +100								
Miami Springs City Hall Complex	2070 I-L +100								
Miami Springs Police Department - Substation	2070 I-L +100								
Miami Springs Public Works	2070 I-L +100								
Miami Springs Branch Library	2070 I-L +100								
East Drive Park Debris Staging Area	2070 I-L +100								
Miami Springs Elementary School	2070 I-L +100								
FMAF & Gen. Geiger Memorial	2070 I-L +100								
Glenn Curtis Residence	2070 I-L +100								
South Bass Park	2070 I-L +100								
Miami Springs Golf and Country Club	2070 I-L +100								
Peavy-Dove Field Park	2070 I-L +100								
Charles B Stafford Park	2070 I-L +100								
Ludlam Drive Boat Ramp	2070 I-L +100								
Ragan Park	2070 I-L +100								
Circle Park	2070 I-L +100								
Deleon Park Triangle	2070 I-L +100								
Prince Field	2070 I-L +100								
Miami Springs Aquatic Center	2070 I-L +100								
Miami Springs Tennis / Raquetball Facility	2070 I-L +100								
Melrose Canal	2070 I-L +100								

EXHIBIT E
FOCUS AREA

CRITICAL ASSETS OWNED BY THE CITY OF MIAMI SPRINGS



CRITICAL ASSETS OWNED BY THE CITY OF MIAMI SPRINGS

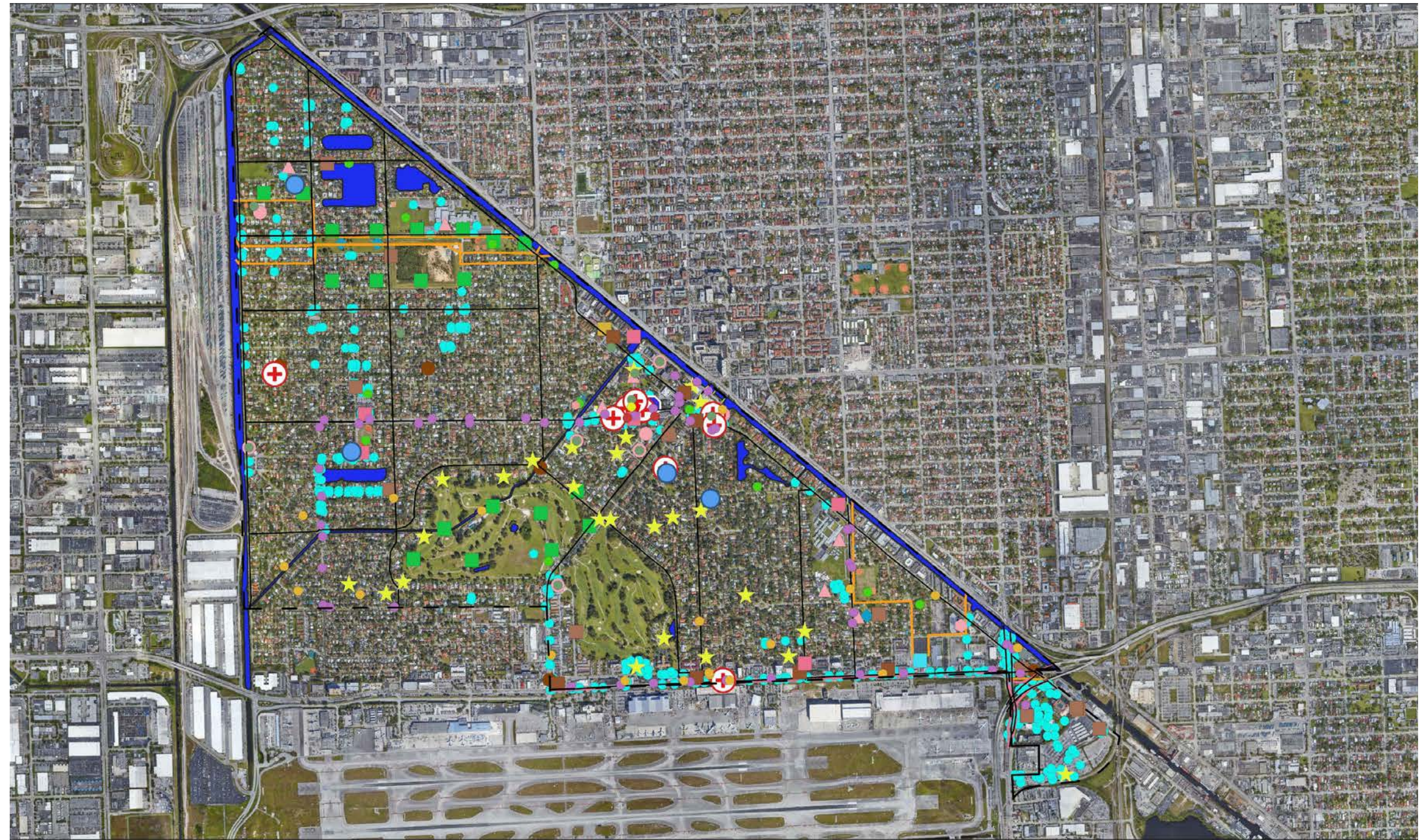


Map Scale: 1:25,000

LEGEND

- Miami Springs Municipal Boundary
- Critical Infrastructure**
- ◆ Solid Waste Facility
- Critical Community and Emergency Facilities**
- Community Center
- City Hall
- Fire Station
- ▲ School
- Public Library
- Public Works
- ★ Law Enforcement
- Natural, Cultural and Historical Resources**
- Park
- ★ Historical Asset
- Water

ALL CRITICAL ASSETS



ALL CRITICAL ASSETS

Map Scale: 1:25,000

LEGEND

--- Miami Springs
Municipal Boundary

Transportation

- Bridge
- Bus Stops
- Major Roads
- Evacuation Routes

Critical Infrastructure

- Drinking Water
- Electrical Substation
- Power Line
- ◆ Solid Waste Facility
- Stormwater Facility
- Communication Facility

**Critical Community and
Emergency Facilities**

- Sewer Pump Station
- Sewer Overflow
- Community Center
- ⊕ Healthcare Facility
- ★ Law Enforcement

- ▲ School
- Daycare Facility
- City Hall
- Public Works
- Public Library
- Post Office
- Fire Station


**Natural, Cultural and
Historical Resources**

- Gas Station
- Adult Care Facility
- Assisted Living Facility
- Park
- ★ Historical Asset
- Water

FOCUS AREAS



FOCUS AREAS
A = Prince Field Area
B = City Hall Area
C = Stafford Park Area
D = Golf Course Area


Map Scale: 1:25,000

LEGEND	
--- Miami Springs Municipal Boundary	Critical Community and Emergency Facilities
— Focus Areas	■ Community Center
Critical Infrastructure	● City Hall
◆ Solid Waste Facility	● Fire Station
	▲ School
	● Public Library
	■ Public Works
	★ Law Enforcement
	Natural, Cultural and Historical Resources
	● Park
	★ Historical Asset
	■ Water