



# DRB21-0704 RFI #1 DRB Presentation: Right of Way

MIAMI BEACH

West Avenue Phase II Improvements  
City of Miami Beach, Florida

# Presentation Discussion Point

- Purpose of Project
- Right of Way
  - Existing Conditions
  - Proposed Layout
  - Sample Harmonization Plans
  - Generator Upgrades to Existing Stormwater Pump Stations
  - Key Materials Used for This Project
  - Construction Sequencing

# Purpose of Project

# Purpose of Project

- **Project Owner: City of Miami Beach**
- **Project Boundaries**
  - West Avenue from 8<sup>th</sup> Street to 17<sup>th</sup> Street
  - Bay Road from 14<sup>th</sup> Street to Dade Canal
  - All side streets from Bay Road to Alton Road
- **Purpose of Project**
  - Improve drainage within the West Avenue corridor
  - Improve resiliency for the neighborhood (Sea level rise and king tides)

# Right of Way Existing Conditions

Project Area  
Aerial View



West Ave & 8<sup>th</sup>  
Street  
Facing North



West Ave &  
10<sup>th</sup> Street  
Facing North



West Ave &  
16<sup>th</sup> Street  
Facing North



Lincoln Court  
Street End  
Facing North



16<sup>th</sup> Street  
Street End  
Facing West  
(Gilbert Fein  
Neighborhood)

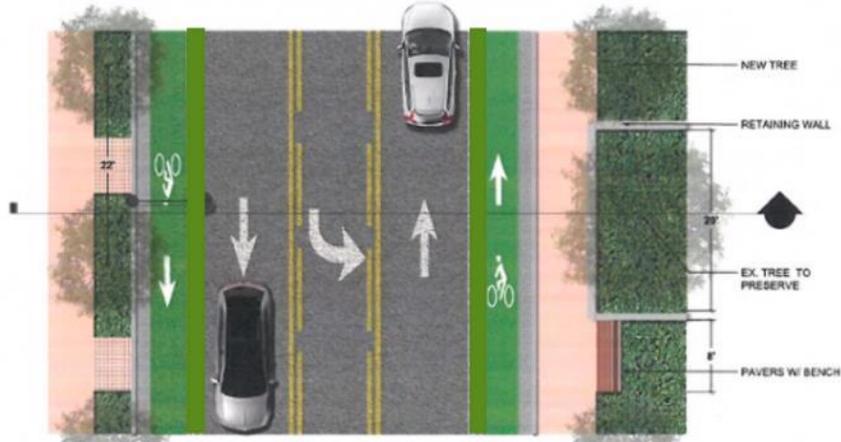
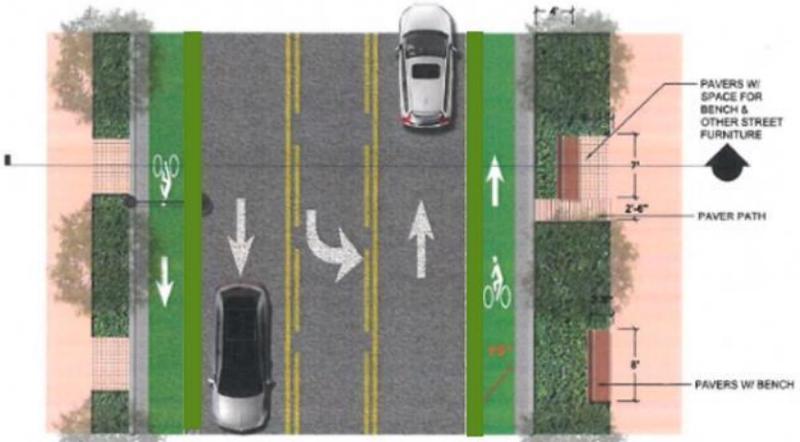


Lincoln Terrace  
Street End  
Facing West  
(Gilbert Fein  
Neighborhood)



# Right of Way Proposed Layout

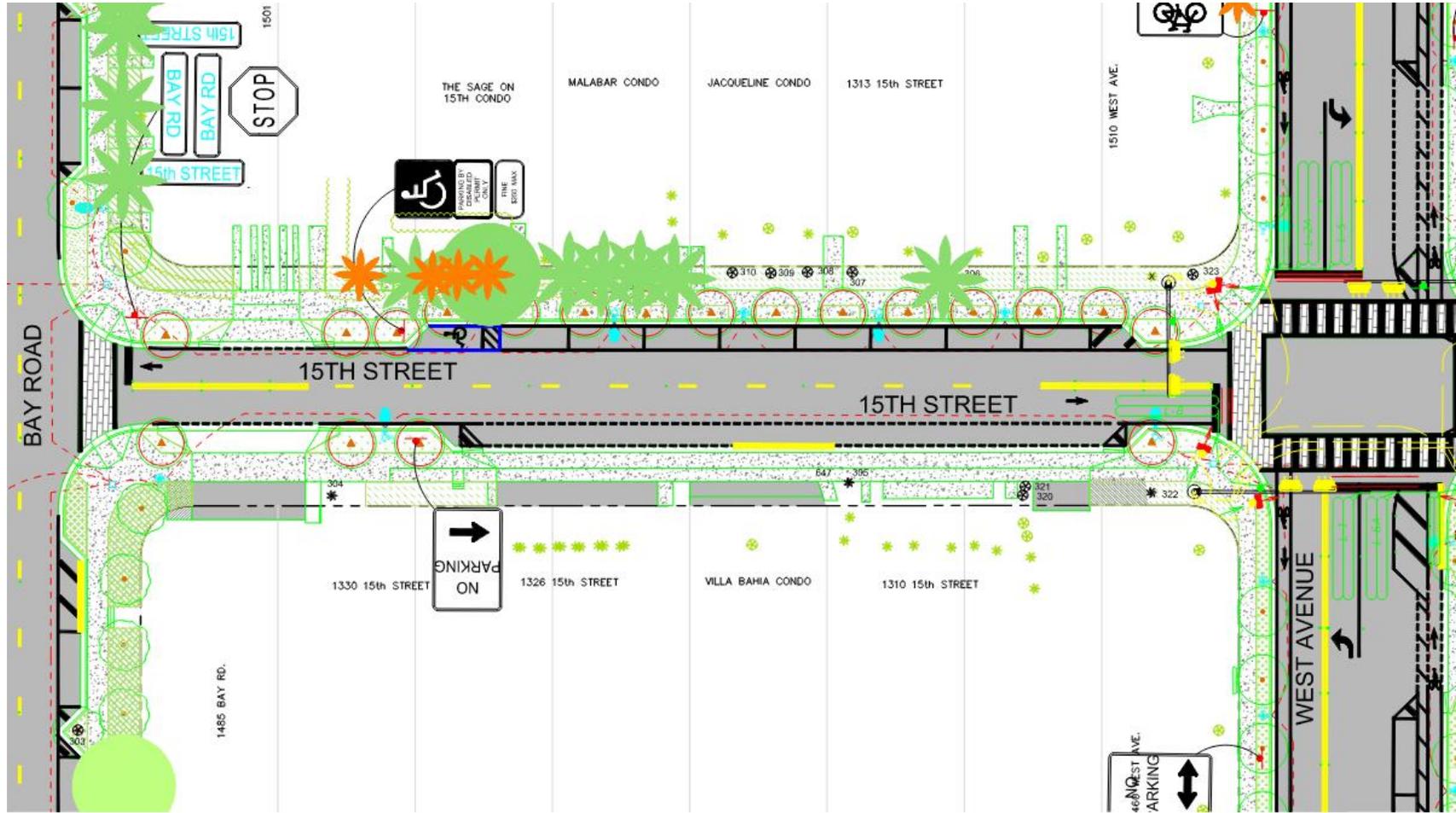
# Typical Cross Section



West Ave & 8<sup>th</sup>  
Street  
Facing South



15<sup>th</sup> Street  
from West Ave  
to Bay Road



Lincoln Court  
Street End  
Facing South

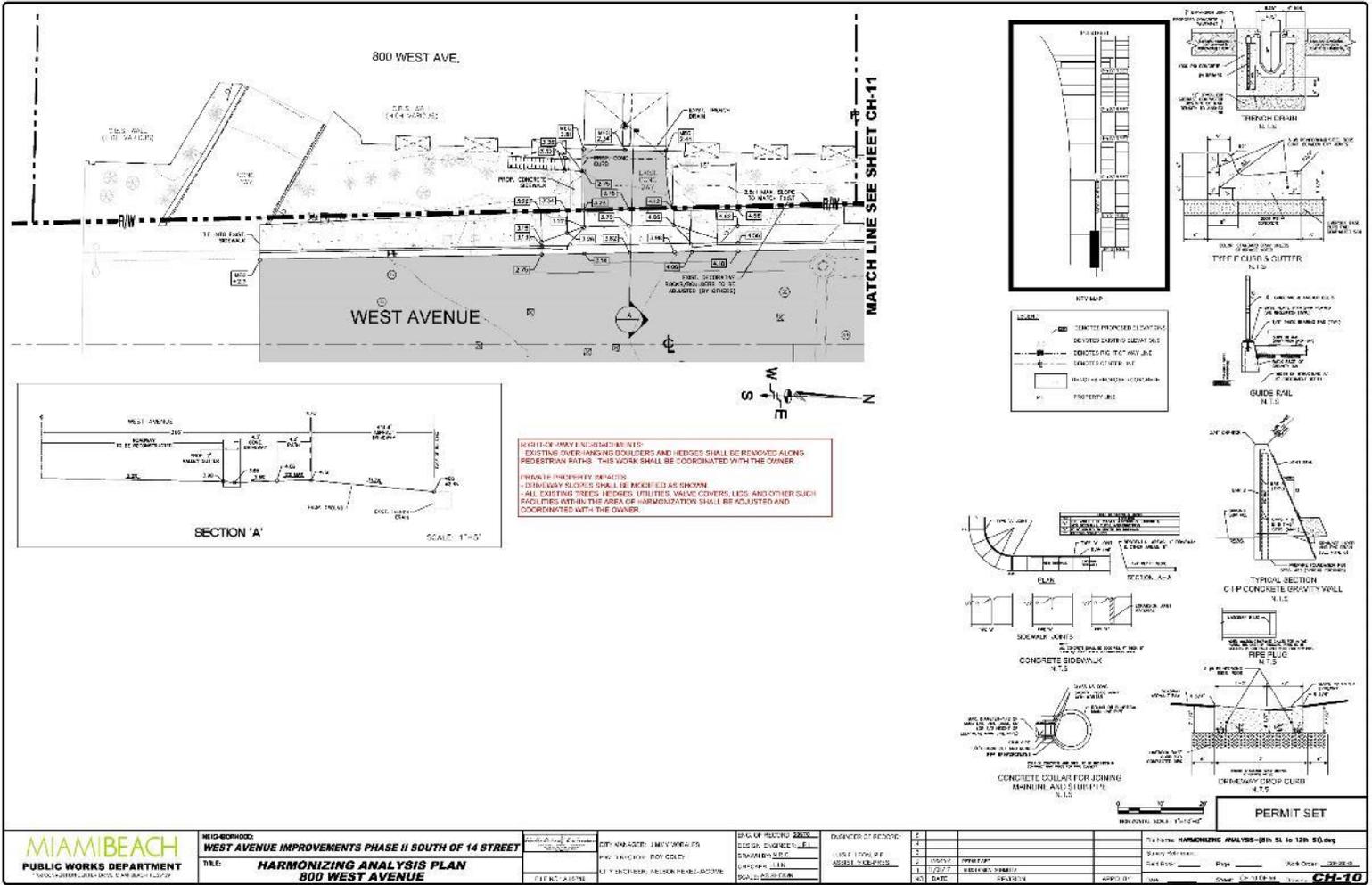


16<sup>th</sup> Street  
Street End  
Facing West  
(Gilbert Fein  
Neighborhood)

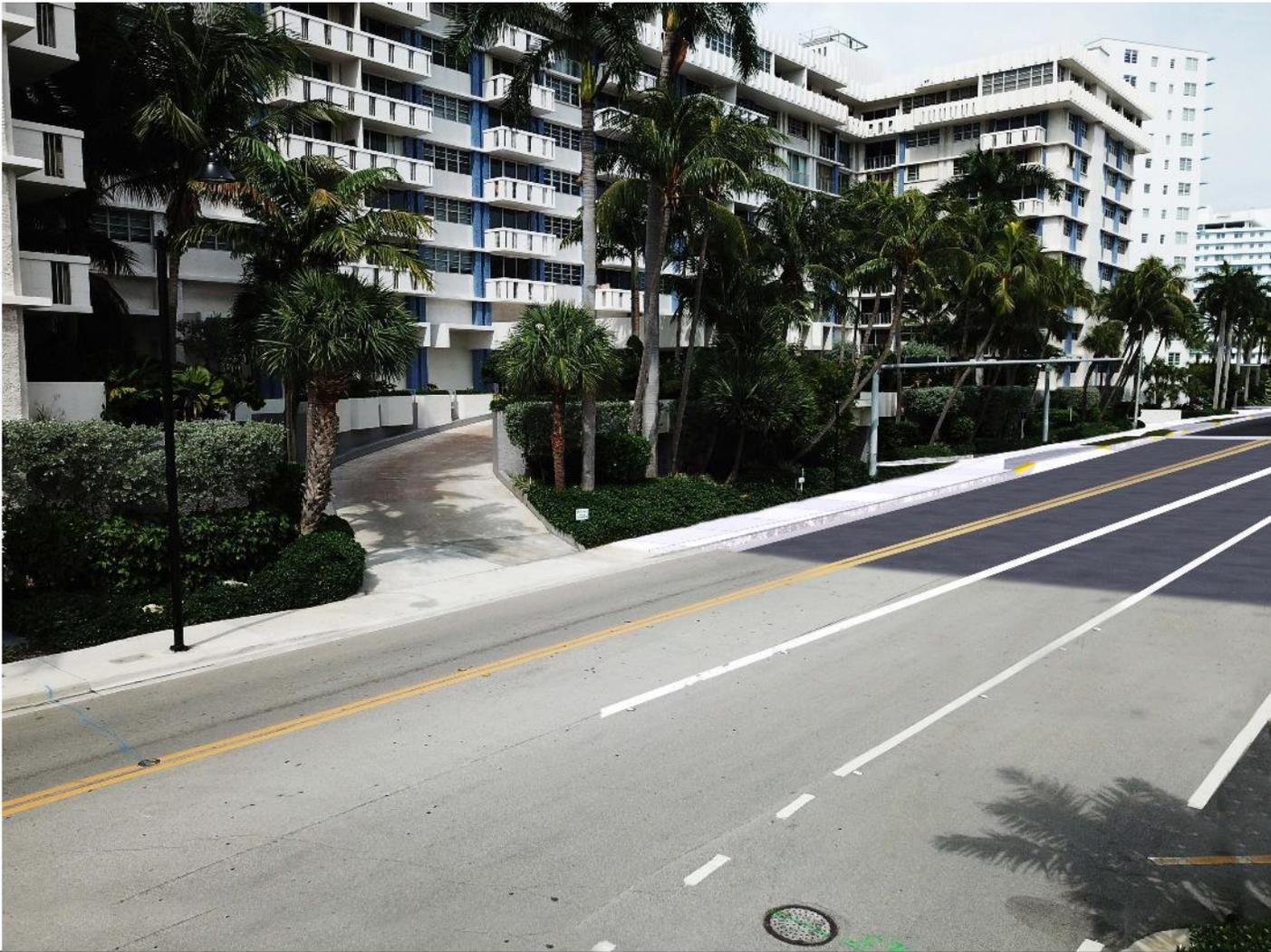


# Sample Harmonization Plans

# 800 West Avenue



800 West Avenue



800 WEST AVENUE  
SHEET # C-10

   WEST AVE PHASE II IMPROVEMENTS  
SOUTH OF 14TH STREET 



1245 West Avenue



1245 WEST AVENUE  
SHEET # C-43-S

   WEST AVE PHASE II IMPROVEMENTS  
SOUTH OF 14TH STREET 



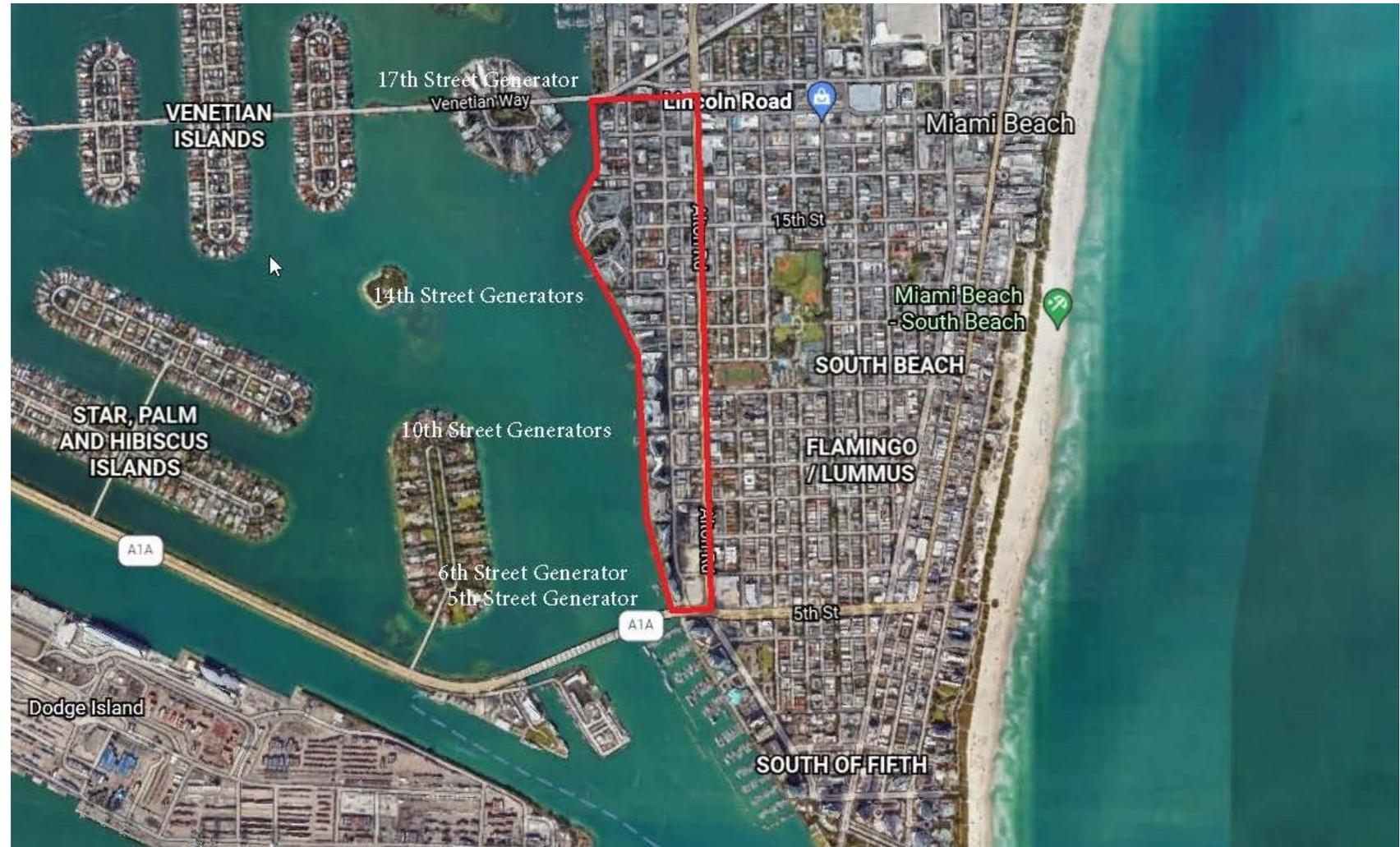
1321 Flamingo Way



1321 FLAMINGO WAY  
SHEET # C-38

# Generator Upgrades to Existing Stormwater Pump Stations

# Generator Locations Overview

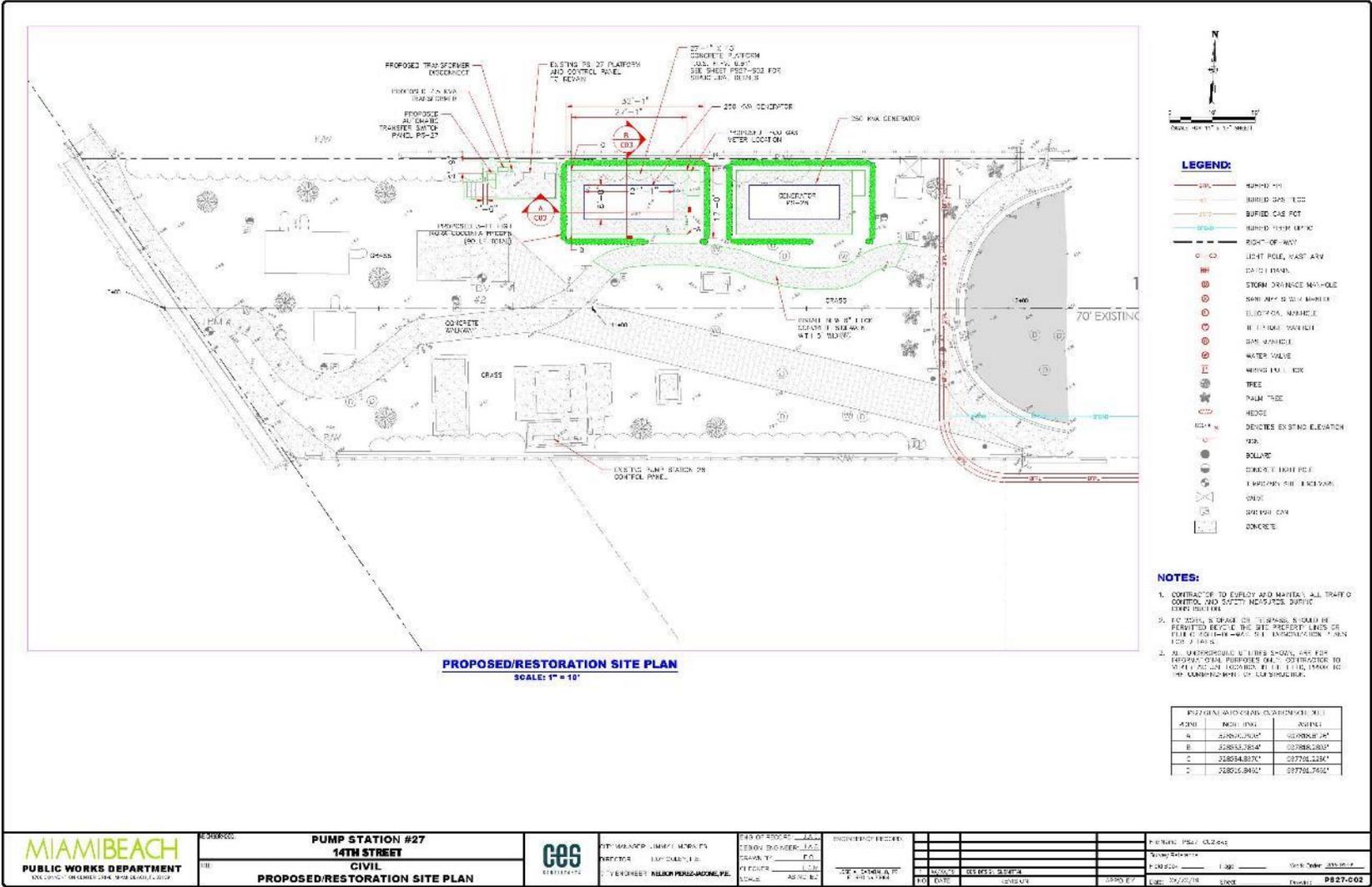








# 14th Street Pump Stations





# Key Materials Used for This Project

PLANTING IMAGE BOARDS - WEST AVE. NORTH



*Bulnesia arborea*  
Verawood



*Caesalpinia granadilla*  
Bridal Veil Tree



*Cassia fistula*  
Golden Shower Tree



*Cassia bakeriana*  
Pink Shower Tree



*Chorista speciosa*  
Silk Floss Tree



*Coccobola diversifolia*  
Pigeon Plum



*Coccobola uvifera*  
Seagrape



*Conocarpus erectus*  
Green Buttonwood



*Conocarpus erectus* 'Sericeus'  
Silver Buttonwood



*Lagerstroemia iraiica*  
Cape Myrtle



*Lysiloma latisiliqua*  
Wild Tururind



*Quercus virginiana*  
Southern Live Oak



*Swietenia mahagoni*  
West Indian Mahogany



*Tabebuia impetiginosa*  
Pink Tabebuia



*Roystonea elata*  
Royal Palm



*Veitchia montgomeryana*  
Veitchia Palm



*Sabal palmetto*  
Sabal Palms



*Thrasax radiata*  
Florida Thatch Palm

*Cocos nucifera*  
Coconut Palm



*Chrysobalanus icaco* 'Red Tip'  
Red Tip Cocoplum



*Ficus microcarpa*  
Green Island Ficus



*Hamelia nodosa*  
Dwarf Firebush



*Ilex vomitoria*  
Yaupon Holly



*Jasmium multiflorum*  
Downey Jasmine



*Monstera deliciosa*  
Split-Leaf Philodendron



*Nephrolepis exaltata*  
Boston fern



*Tripsacum floridanum*  
Florida Gamagrass



*Tripsacum dactyloides*  
Fakahatchee Grass



*Chrysobalanus icaco* 'Horizontalis'  
Horizontal Cocoplum



*Ipomoea pes-caprae*  
Railroad Vine



*Phymatosorus scolopendria*  
Wart Fern



*Spartina bakeri*  
Sand Cord Grass



*Sophora tomentosa*  
Yellow Necklacedpod

# Landscaping Material

PLANTING IMAGE BOARDS - WEST AVE. - SOUTH



*Bulnesia arborea*  
Verawood



*Coesalpinia granadilla*  
Bridal Veil Tree



*Cassia fistula*  
Golden Shower Tree



*Conocarpus erectus*  
Green Buttonwood



*Conocarpus erectus* 'Sericeus'  
Silver Buttonwood



*Ficus citrifolia*  
Shortleaf Fig



*Quercus virginiana*  
Southern Live Oak



*Roystonea elata*  
Royal Palm



*Ficus microcarpa*  
Green Island Ficus



*Ilex vomitoria*  
Yaupon Holly



*Jasminum multiflorum*  
Dawney Jasmine



*Muhlenbergia capillaris*  
Hairy Muhly Grass, Pink



*Chrysobalanus icaco*  
'Horizontalis'  
Horizontal Cocoplum



*Tripsacum dactyloides*  
Fakahatchee Grass



*Arachis glabrata*  
Perennial Peanut



*Phymatosorus scolopendria*  
Wart Fern



*Spartina bakeri*  
Sand Cord Grass



# Lighting Material (Pedestrian Lamps)

VER	BY	DATE	DESCRIPTION
01	ARU	11/9/20	UPDATED FINISH TO TIGER DRYLAC BLACK

**CAST ALUMINUM TENON WITH TIGER DRYLAC BLACK POWDER COATED FINISH, MODIFIED WITH GROOVES FOR SET SCREWS FOR ADDITIONAL SECURITY AGAINST HIGH WIND LOAD**

**HIGH PRESSURE MOLDED FIBER GLASS TOP SHADE WITH POWDER COATED FINISH EXTERIOR (TIGER DRYLAC BLACK) AND HIGH REFLECTANCE WHITE PAINTED INTERIOR**

**OPTIONAL: HOUSE SIDE SHIELD AVAILABLE**

**WINDLOAD: EPA 1.8 SQ. FT. WEIGHT: 43 LBS**

**LOUIS POULSEN MUST RECEIVE THIS DRAWING WITH APPROVAL SIGNATURE PRIOR TO THE DEVELOPMENT AND MATERIAL PURCHASE OF THIS ITEM. ANY MODIFICATION OF THIS DRAWING NOT DONE BY LOUIS POULSEN WILL INVALIDATE THE QUOTATION. DELAYS IN PROVIDING DRAWINGS APPROVAL WILL IMPACT DELIVERY TIMELINE.**

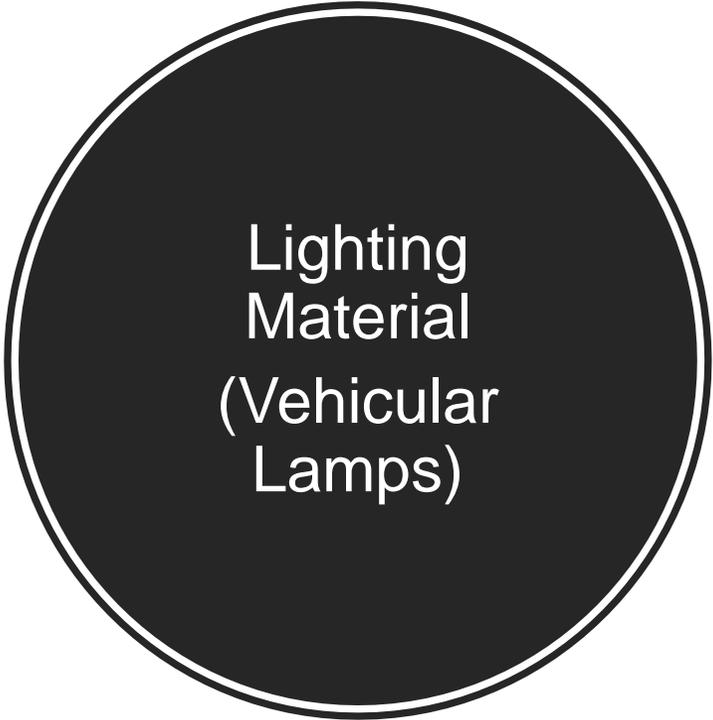
<b>louis poulsen</b>		JOB NAME: West Avenue 14th St, Miami Beach	
LOUIS POULSEN USA, INC. 3295 HERMAN PARKWAY FT. LAUDERDALE, FL 33309 PHONE: (954) 348-2282 FAX: (954) 348-2250		TITLE: ALB-MAX-POST/71W LED/3000K/ 120-277V/ TIGER DRYLAC BLACK/ BUG-UV/ T-RSA-4.5IN/DIM 0-10V /12FT / MODIFIED TENON	
MOD. FROM: Std SAP	QUOTE NO.: 20074913		
DRAWN BY: ATJ:US	DATE: 11/9/2020	APPROVED BY:	TYPE:
MATERIAL: AS NOTED	VERSION: 01		
SCALE: NTS	SHEET: 1 OF 1	DWG. NO.: 131-20148-001	

**NOTES:**  
1. FINISH: AS NOTED  
2. VOLTAGE: 120-277V

**SERIES 38 - SEE SPECS  
POWDER COAT FINISH/ MARINE  
GRADE AS PER NEW SPECS/REPORT**

Lighting  
Material  
(Pedestrian  
Lamps)





Shade Style



Straight Edge (S)



Flared Edge (F)



Bell Edge (B)



Round with Round Rim (RR)



Round with Flared Rim (RF)



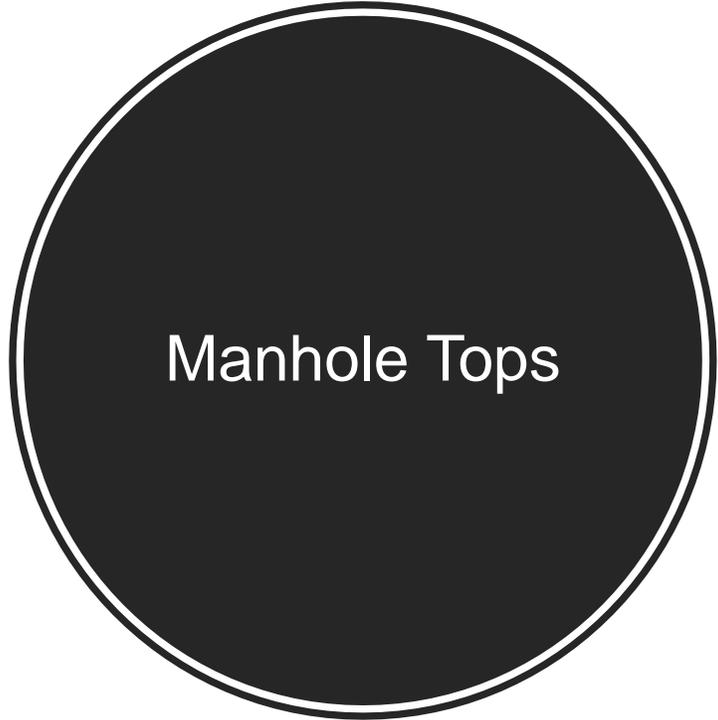
Round with Square Rim (RS)

Dimensions

GL1970	SHADE	S	F	B	RF	RR	RS
HOUSING	Diameter	23.9"	23.9"	26"	25"	24.5"	23.8"
BF_	Height	17.9"	16.5"	18.2"	19.6"	19.1"	18.6"
GR_	Height	17.9"	16.5"	18.2"	19.6"	19.1"	18.6"
GW_	Height	17.9"	16.5"	18.2"	19.6"	19.1"	18.6"
SR_	Height	17.9"	16.5"	18.2"	19.6"	19.1"	18.6"

Lighting  
Material  
(Vehicular  
Lamps)





## Rings and Covers - Detail

USF 385 RING AND COVER SERIES

<< Previous

Next >>

USF 385 RING AND COVER SERIES

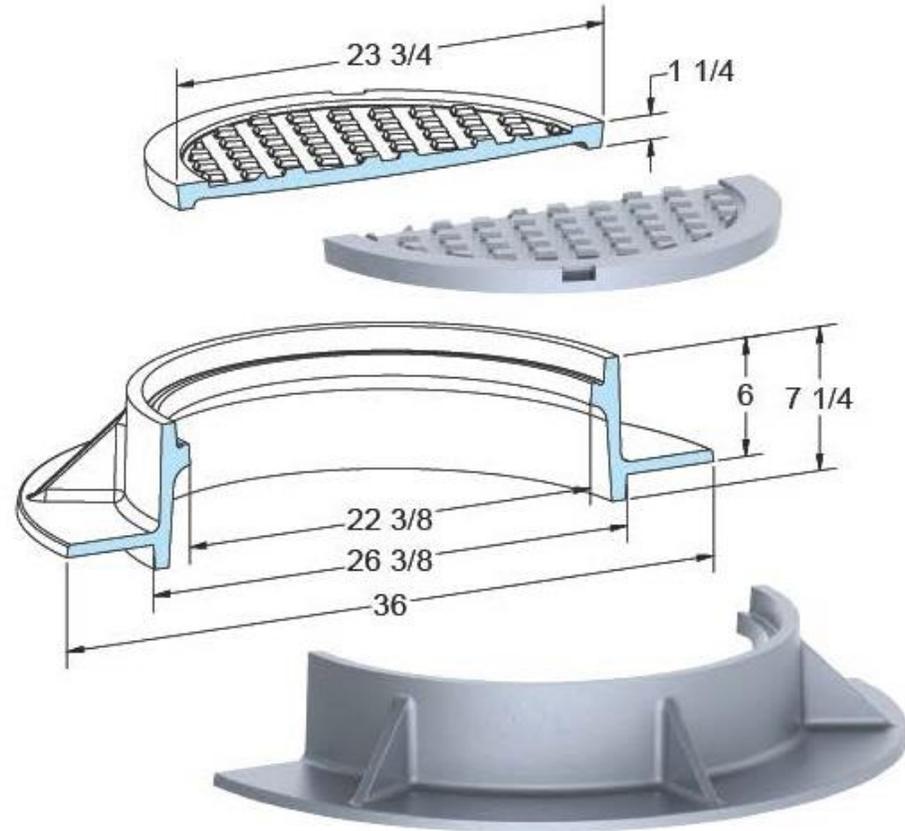
Back

Summary

Drawing

Lettering

Add to Project

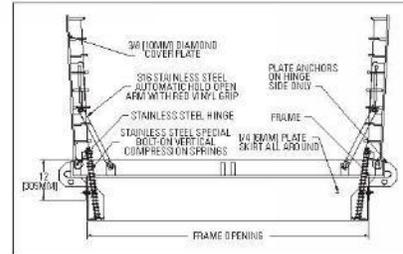


USF 385-E SHOWN

# Hatches

## DT93-AHS/AHD

Direct Traffic, Angle Frame, Heavy-Duty AASHTO HL-93 Loading, Single or Double leaf



### General Description

The heavy-duty angle type floor access door is intended for use in direct traffic applications. Designed to receive AASHTO HL93 wheel loads, for use in roadways up to and including those designated as ASTM C1802-14 load level 7. May not be suitable for some roadways inside or leading to seaport facilities, airports, military bases, freight terminals or other areas where extreme loading may occur, **Please contact us at 800.258.6873 if you have questions about a specific application.**

### Standard Features/Specifications

- Material:** Steel (hot dipped galvanized), stainless steel
- Frame:** 1/2" angle with special anchoring system welded to the frame and a skirt for a 12" top slab
- Covers:** 3/8" diamond plate reinforced for AASHTO HL-93 wheel loads
- Hardware:** 316 SS hinges and hinge pins
- Hold-Open Device:** 316 SS heavy duty hold-open arm
- Locking Devices:** Cover(s) are bolted to the frame with zinc plated grade 8 bolts  
Recessed staple for a padlock
- Lift Assist:** Stainless steel compression springs
- Lift Handle:** Flush with top of cover
- Warranty:** Five (5) years

SEE AVAILABLE OPTIONS TAB



**Two Lane Vehicular / Truck Traffic**  
ASTM C1802-14 Load Level 6 & 7

TRAFFIC/H2O



Handrails  
FDOT  
Approved



# Pavers



4x8 BRICK - GLACIER

## 4x8 BRICK

Tremron's 4x8 Brick Pavers offer durable quality that stand the test of time. The tried and true shape of our brick pavers combines simplicity with sophistication and versatility. Offered in a variety of colors, these pavers will look great whether you install them in running bond, basket weave, or herringbone patterns.



4x8  
#PV21040 - 60mm  
#PV31040 - 80mm

SF per Cube: 120 (60mm), 96 (80mm) / Cube Weight: 3120 lbs (60mm), 3265 lbs (80mm) / Surface: Flat Top / Available in full cubes and in bands of 20 SF.

# Pavers



TOP: 4x8 BRICK - GLACIER, BOTTOM: 4x8 BRICK - AUTUMN BLEND

Standard Colors:



AUTUMN BLEND



GLACIER



SAND DUNE



SIERRA

# Pavers



4x8 ADA BRICK - CHARCOAL

## 4x8 ADA BRICK

Designed to meet accessibility guidelines of the American with Disabilities Act for detectable warnings, the 4x8 ADA Brick Pavers feature a truncated dome surface texture. The distinctive dome patterning are easily detectable by canes or foot so that people with vision impairments detect the transition from pedestrian area to curb cuts, loading docks and passenger waiting areas on elevated platforms.



4x8  
#PV21060

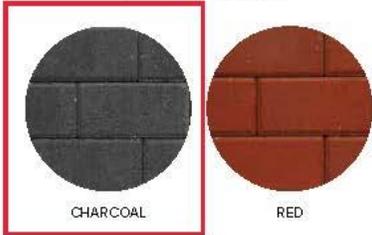
SF per Cube: 120 / Cube Weight: 3120 lbs / Surface: Flat Top

# Pavers



4x8 ADA BRICK - CHARCOAL

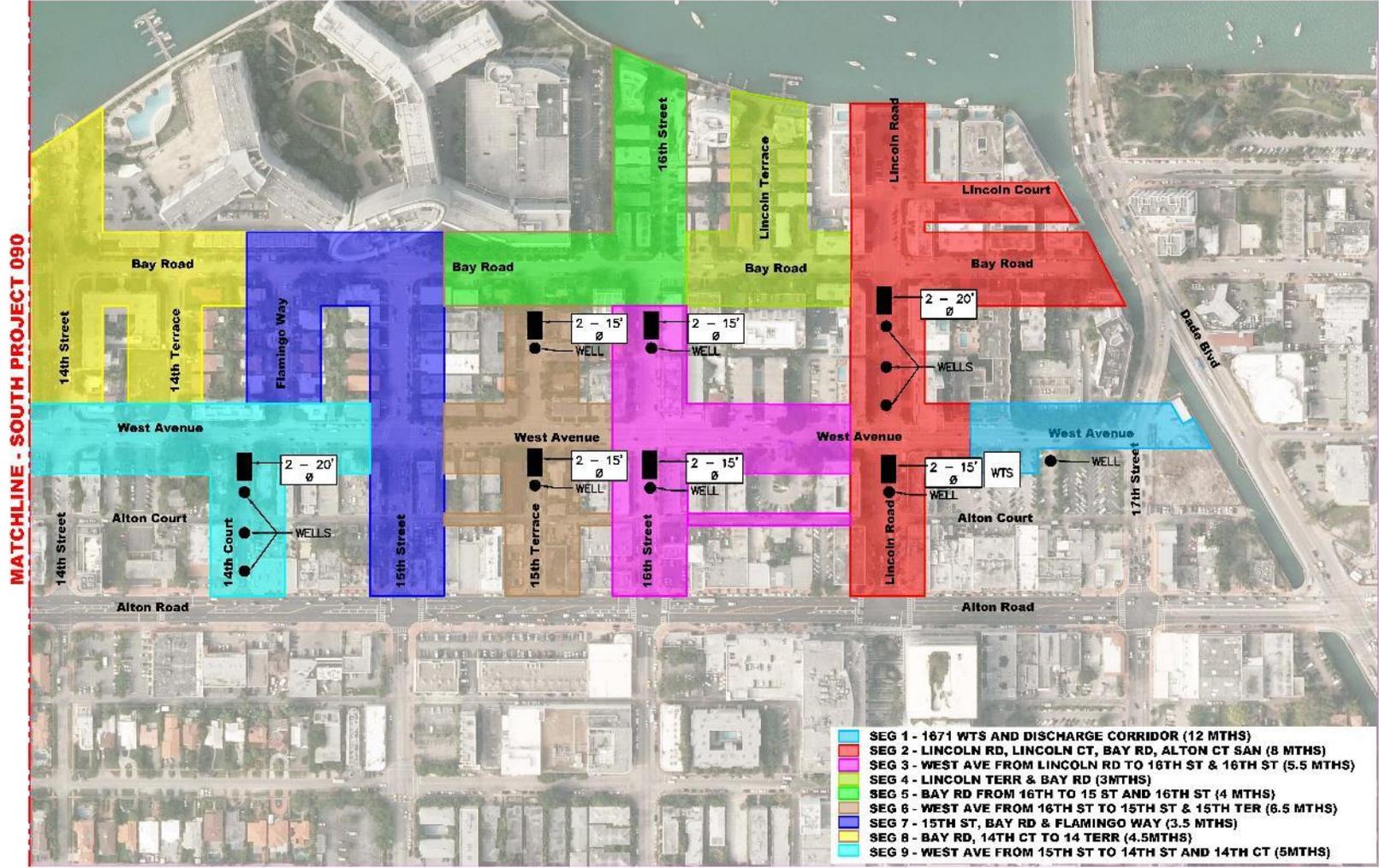
Standard Colors:



# Construction Sequencing

Construction Sequencing  
North of 14<sup>th</sup> Street

WEST AVE - PROPOSED CONSTRUCTION SEGMENTS - NORTH 091



Construction Sequencing  
South of 14<sup>th</sup> Street

WEST AVE - PROPOSED CONSTRUCTION SEGMENTS - SOUTH 090

