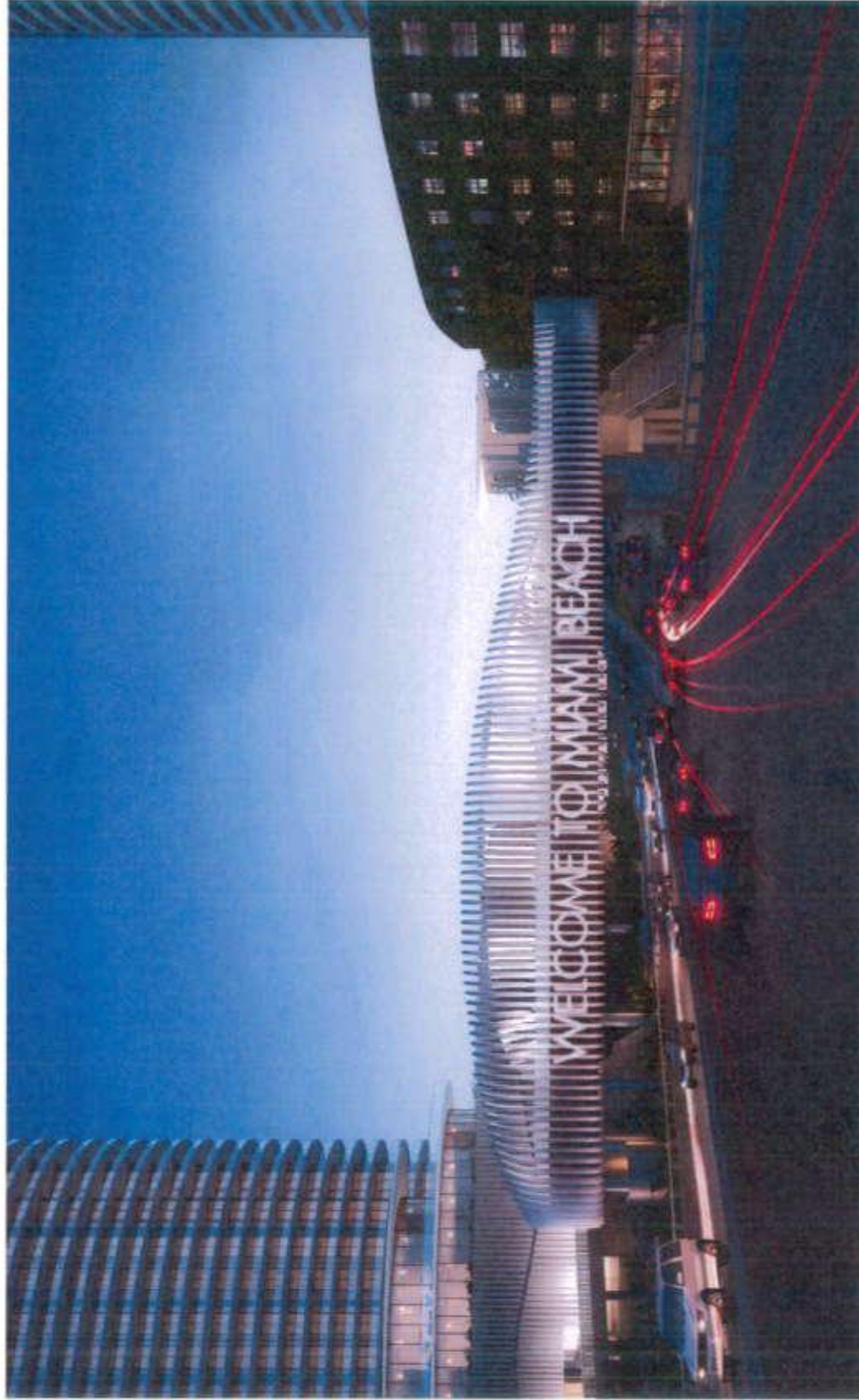


CITY OF MIAMI BEACH - 5TH STREET BAYWALK PEDESTRIAN CONNECTOR BRIDGE



ARCHITECTURE

[illegible]

LANDSCAPE

L-001	LANDSCAPE ROCK
L-002	LANDSCAPE SCULPTURE
L-003	LANDSCAPE WALL
L-004	LANDSCAPE WALL
L-005	LANDSCAPE WALL
L-006	LANDSCAPE WALL
L-007	LANDSCAPE WALL
L-008	LANDSCAPE WALL
L-009	LANDSCAPE WALL
L-010	LANDSCAPE WALL
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L-100	LANDSCAPE WALL

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FINAL DRB SUBMITTAL
5TH STREET BAYWALK
PEDESTRIAN CONNECTOR
BRIDGE
MIAMI BEACH, FL 33139

COVER SHEET AND DRAWING INDEX

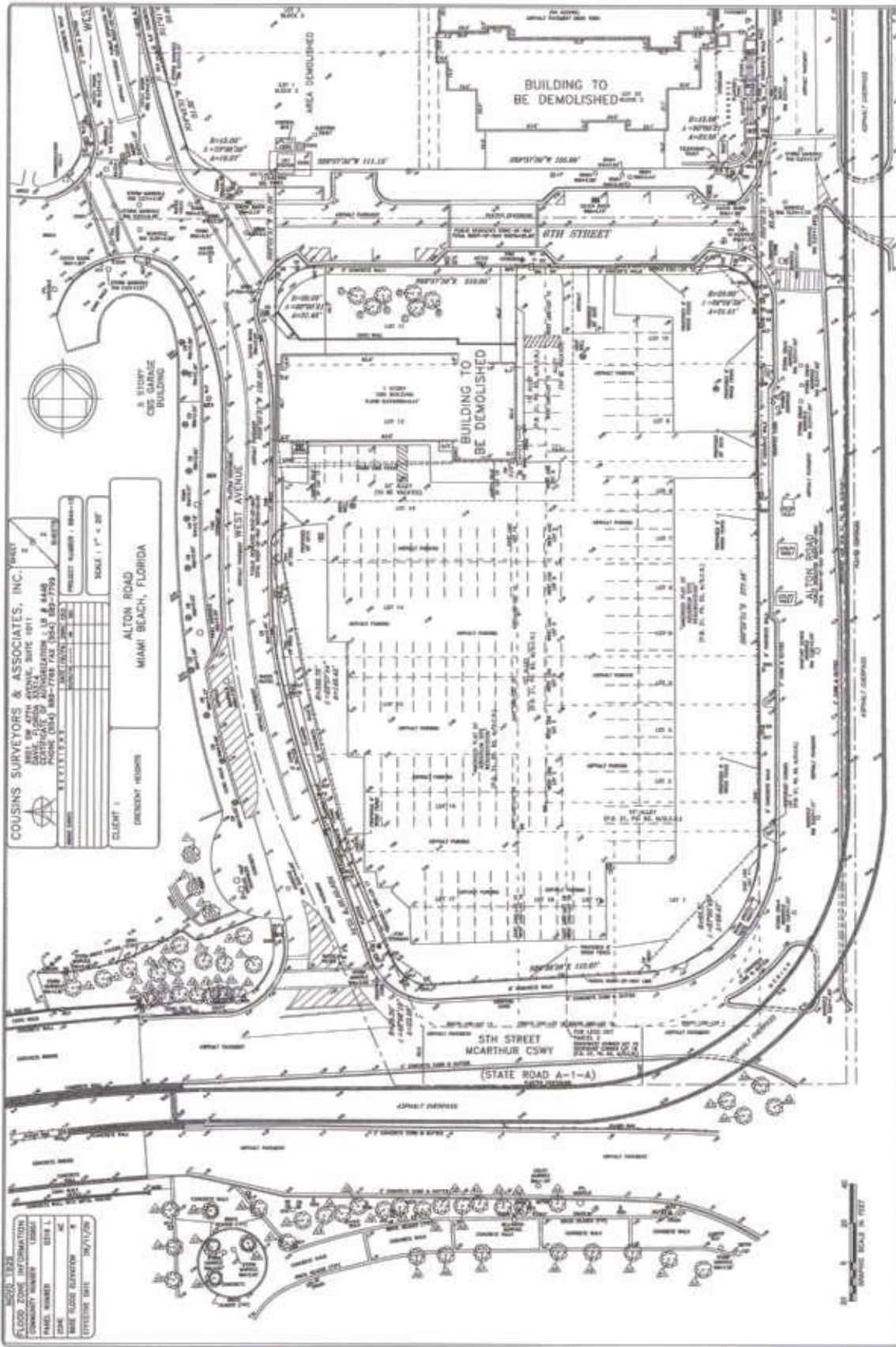
A5-00

DATE: 04/08/2019

500 BLOCK AREA = 85,180 SQ. FT.

A5-01A

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 11111 N. MIAMI AVE., SUITE 101
 MIAMI, FL 33151
 PHONE: 305-555-1111
 FAX: 305-555-1112
 EMAIL: info@csa-survey.com
 PROJECT NUMBER: 1804-10

CLIENT:
 ALTON ROAD
 MIAMI BEACH, FLORIDA

SCALE: 1" = 20'

CLIENT:
 EXISTENT HEIGHTS

FLOOD ZONE INFORMATION
 COUNTY: MIAMI
 PARCEL NUMBER: 0518 L
 DATE: 04/06/2019
 BASE FLOOD ELEVATION: 10
 ELEVATION DATE: 04/06/2019

ARQUITECTONICA LAKES ENGINEERING, INC.
 11111 N. MIAMI AVE., SUITE 101
 MIAMI, FL 33151
 PHONE: 305-555-1111
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MIAMI BEACH, FL 33139

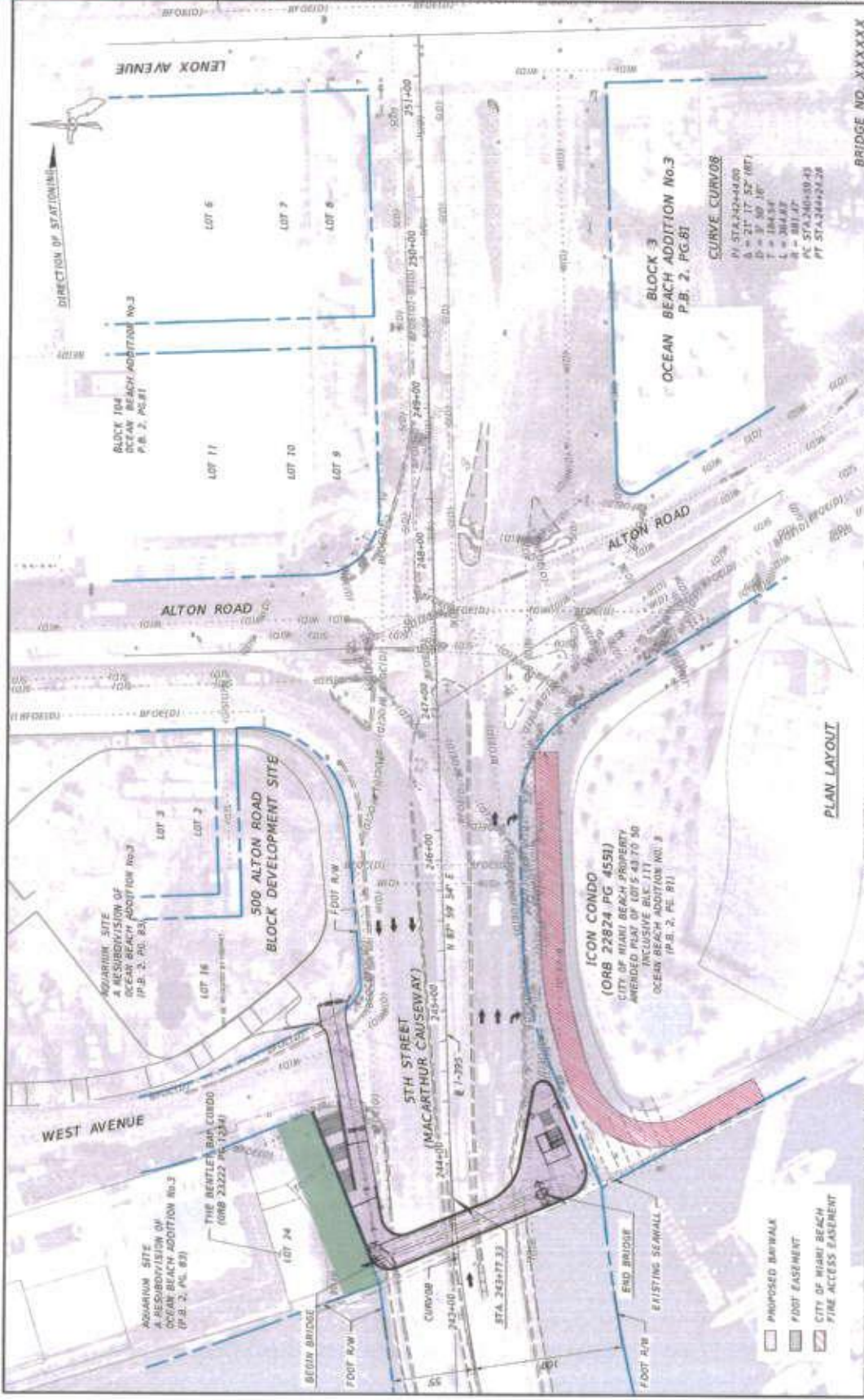
SURVEY

DATE:
04/06/2019

A5-01B

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PRELIMINARY AND SUBJECT TO CHANGE



PROJECT INFORMATION		CITY OF MIAMI BEACH		PLAN LAYOUT- PROPOSED ALTERNATIVE	
DATE	04/08/2019	PROJECT NO.	1-375	BRIDGE NO.	XXXXXX
PROJECT NAME	5TH STREET BAYWALK PEDESTRIAN CONNECTOR BRIDGE	PROJECT NO.	1-375	BRIDGE NO.	XXXXXX
PROJECT LOCATION	MIAMI BEACH, FL 33139	PROJECT NO.	1-375	BRIDGE NO.	XXXXXX
PROJECT DESCRIPTION	PEDESTRIAN CONNECTOR BRIDGE	PROJECT NO.	1-375	BRIDGE NO.	XXXXXX
PROJECT OWNER	CITY OF MIAMI BEACH	PROJECT NO.	1-375	BRIDGE NO.	XXXXXX
PROJECT ENGINEER	ARQUITECTONICA LAKES ENGINEERING, INC.	PROJECT NO.	1-375	BRIDGE NO.	XXXXXX
PROJECT ARCHITECT	THE BENTLEY BAR CORPO (ORB 23222 PG 1234)	PROJECT NO.	1-375	BRIDGE NO.	XXXXXX
PROJECT LANDSCAPE ARCHITECT	THE BENTLEY BAR CORPO (ORB 23222 PG 1234)	PROJECT NO.	1-375	BRIDGE NO.	XXXXXX
PROJECT CIVIL ENGINEER	THE BENTLEY BAR CORPO (ORB 23222 PG 1234)	PROJECT NO.	1-375	BRIDGE NO.	XXXXXX
PROJECT ELECTRICAL ENGINEER	THE BENTLEY BAR CORPO (ORB 23222 PG 1234)	PROJECT NO.	1-375	BRIDGE NO.	XXXXXX
PROJECT MECHANICAL ENGINEER	THE BENTLEY BAR CORPO (ORB 23222 PG 1234)	PROJECT NO.	1-375	BRIDGE NO.	XXXXXX
PROJECT STRUCTURAL ENGINEER	THE BENTLEY BAR CORPO (ORB 23222 PG 1234)	PROJECT NO.	1-375	BRIDGE NO.	XXXXXX
PROJECT ENVIRONMENTAL ENGINEER	THE BENTLEY BAR CORPO (ORB 23222 PG 1234)	PROJECT NO.	1-375	BRIDGE NO.	XXXXXX
PROJECT HISTORIC PRESERVATION	THE BENTLEY BAR CORPO (ORB 23222 PG 1234)	PROJECT NO.	1-375	BRIDGE NO.	XXXXXX
PROJECT TRAFFIC ENGINEER	THE BENTLEY BAR CORPO (ORB 23222 PG 1234)	PROJECT NO.	1-375	BRIDGE NO.	XXXXXX
PROJECT GEOTECHNICAL ENGINEER	THE BENTLEY BAR CORPO (ORB 23222 PG 1234)	PROJECT NO.	1-375	BRIDGE NO.	XXXXXX
PROJECT SOILS ENGINEER	THE BENTLEY BAR CORPO (ORB 23222 PG 1234)	PROJECT NO.	1-375	BRIDGE NO.	XXXXXX
PROJECT WATER RESOURCES ENGINEER	THE BENTLEY BAR CORPO (ORB 23222 PG 1234)	PROJECT NO.	1-375	BRIDGE NO.	XXXXXX
PROJECT AIR QUALITY ENGINEER	THE BENTLEY BAR CORPO (ORB 23222 PG 1234)	PROJECT NO.	1-375	BRIDGE NO.	XXXXXX
PROJECT NOISE ENGINEER	THE BENTLEY BAR CORPO (ORB 23222 PG 1234)	PROJECT NO.	1-375	BRIDGE NO.	XXXXXX
PROJECT VIBRATION ENGINEER	THE BENTLEY BAR CORPO (ORB 23222 PG 1234)	PROJECT NO.	1-375	BRIDGE NO.	XXXXXX
PROJECT SPECIALTY ENGINEER	THE BENTLEY BAR CORPO (ORB 23222 PG 1234)	PROJECT NO.	1-375	BRIDGE NO.	XXXXXX
PROJECT PROFESSIONAL ENGINEER	THE BENTLEY BAR CORPO (ORB 23222 PG 1234)	PROJECT NO.	1-375	BRIDGE NO.	XXXXXX
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PROJECT PROFESSIONAL SPECIALTY ENGINEER	THE BENTLEY BAR CORPO (ORB 23222 PG 1234)	PROJECT NO.	1-375	BRIDGE NO.	XXXXXX

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FINAL DRB SUBMITTAL
5TH STREET BAYWALK
PEDESTRIAN CONNECTOR
BRIDGE
MIAMI BEACH, FL 33139

EASEMENTS

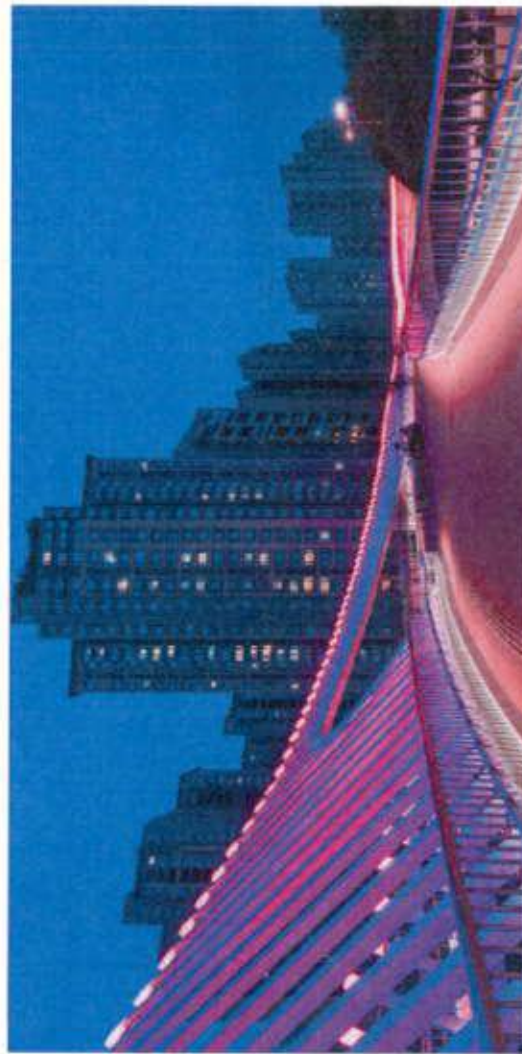
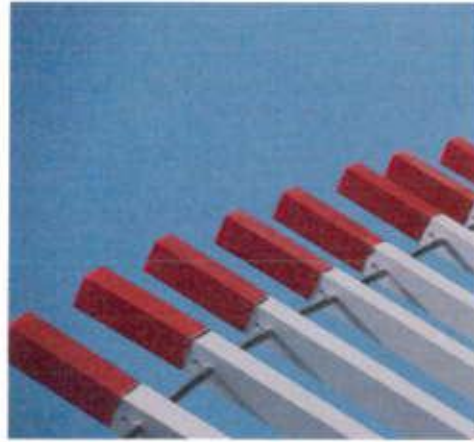
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A5-02



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A5-03



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BRIDGE REFERENCE

DATE:
04/08/2019

A5-04



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IMAGERY

DATE:
04/08/2019

A5-05



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Fort Lauderdale, FL 33311
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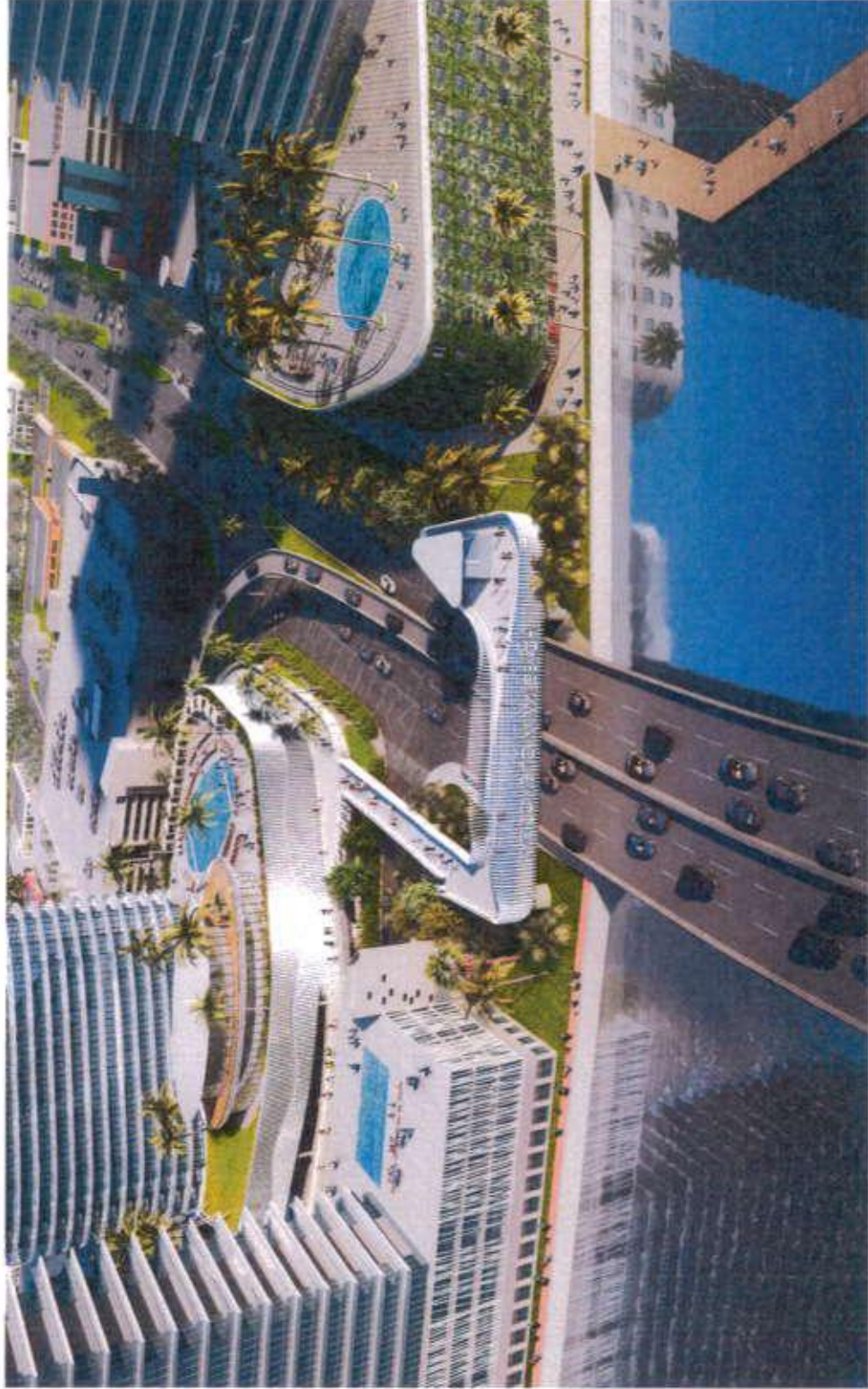
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BRIDGE
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RENDERING

DATE:
04/08/2019

A5-07



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BRIDGE
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RENDERING

DATE:
04/08/2019

A5-08

[illegible]1900 Oak Avenue, Miami, FL 33138
F 305.372.1812 F 305.372.1175

MIAMI BEACH, FL 33139

DATE: 04/08/2019



5000 Cape Avenue, Miami, FL 33130
 T 305.372.5813 F 305.572.1126

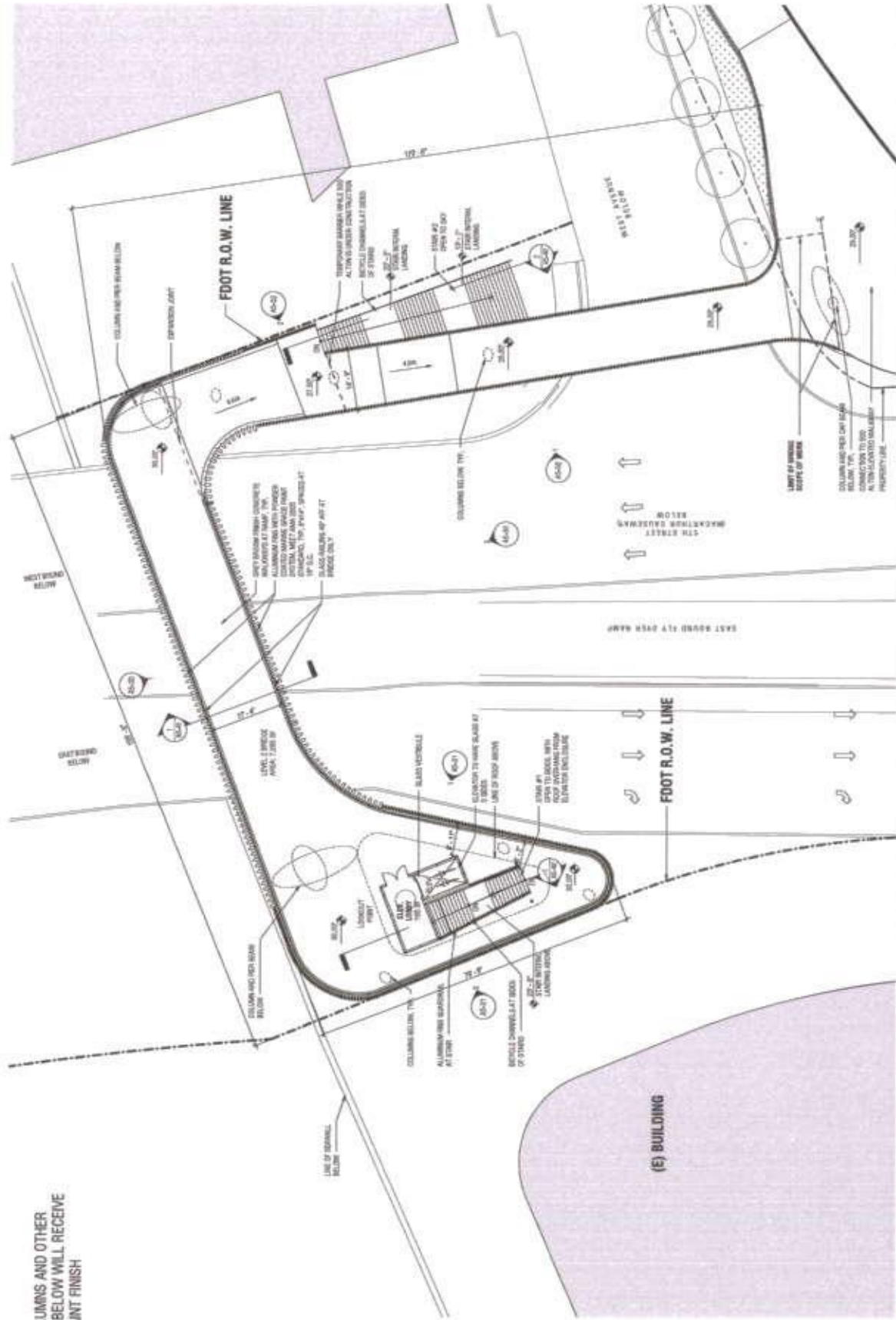
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DATE: 04/08/2019

BRIDGE - LEVEL 1 SIGNAGE PLAN

A5-21

GENERAL NOTE:
ALL CONCRETE COLUMNS AND OTHER
SURFACES 10' AND BELOW WILL RECEIVE
GRAFFITI GUARD PAINT FINISH



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TEL: 305.571.1111
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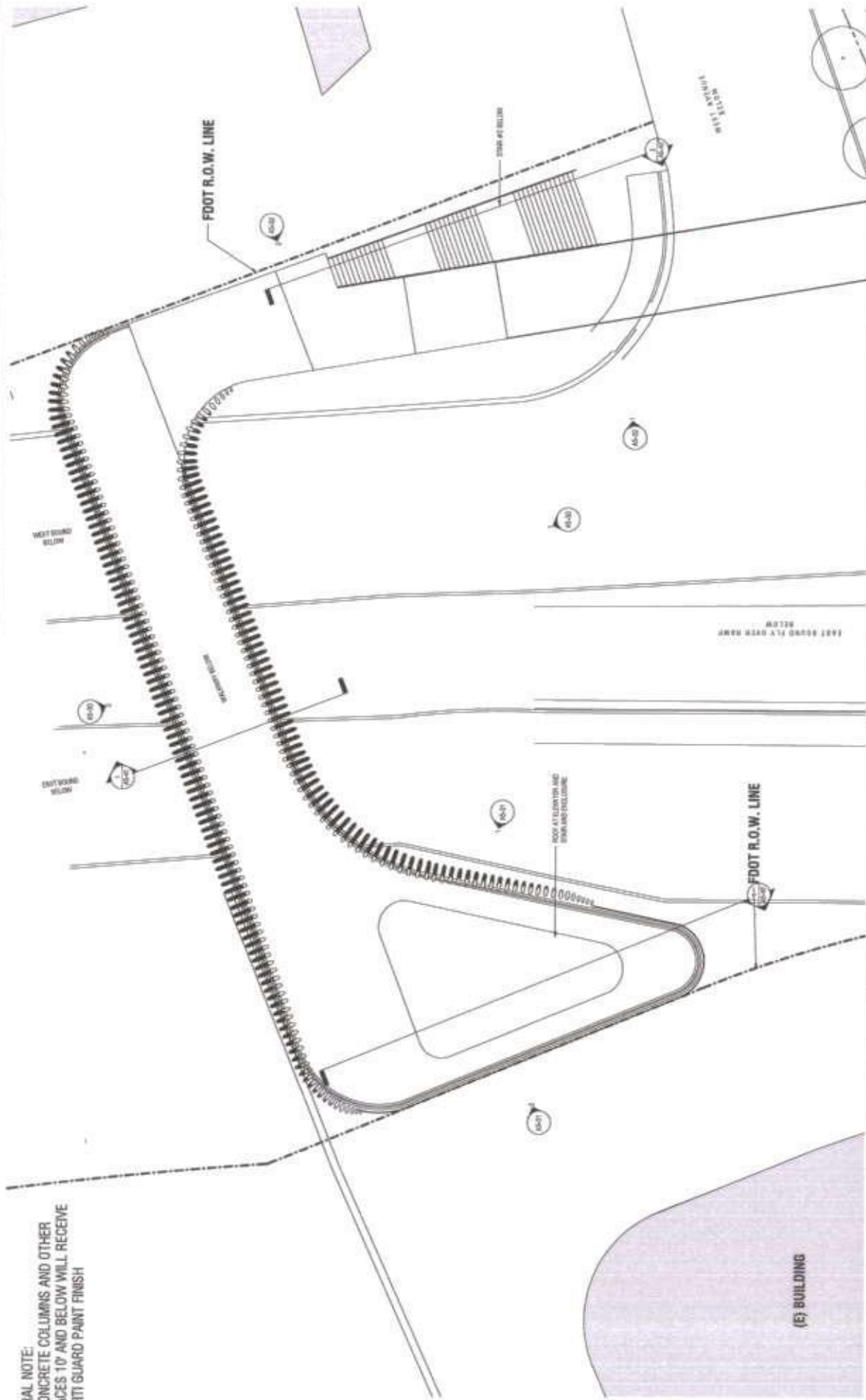
FINAL DRB SUBMITTAL
5TH STREET BAYWALK
PEDESTRIAN CONNECTOR
BRIDGE
MIAMI BEACH, FL 33139

BRIDGE - LEVEL 2 PLAN

DATE:
04/08/2019

A5-22

GENERAL NOTE:
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PEDESTRIAN CONNECTOR
BRIDGE
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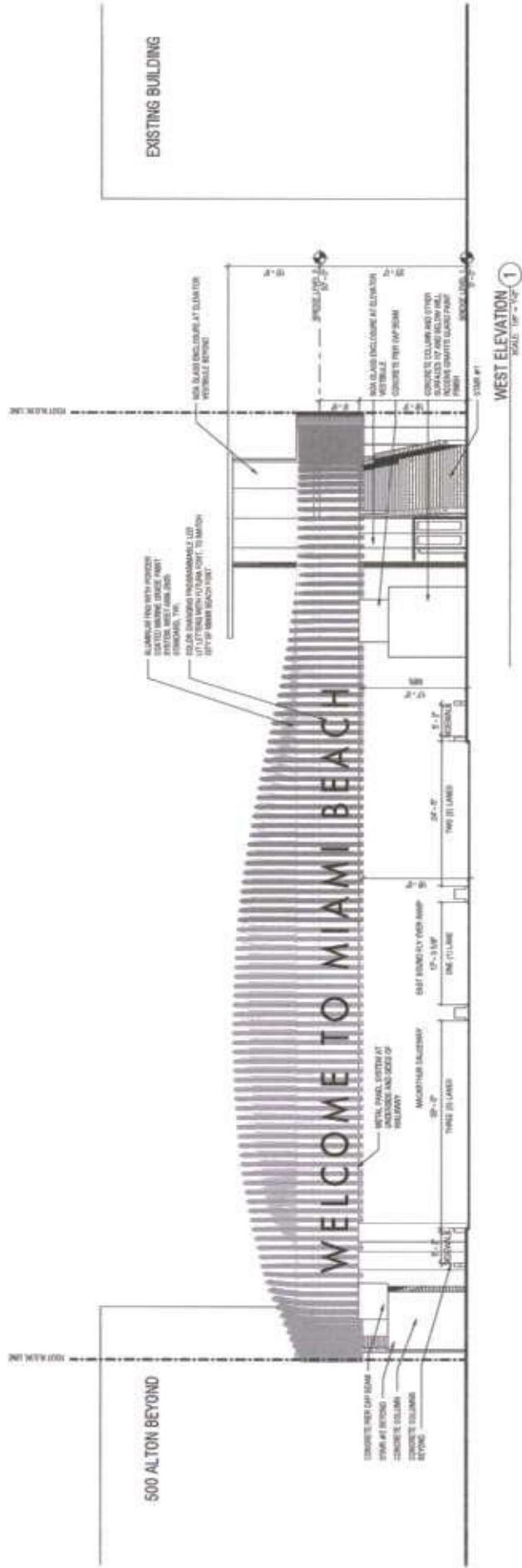
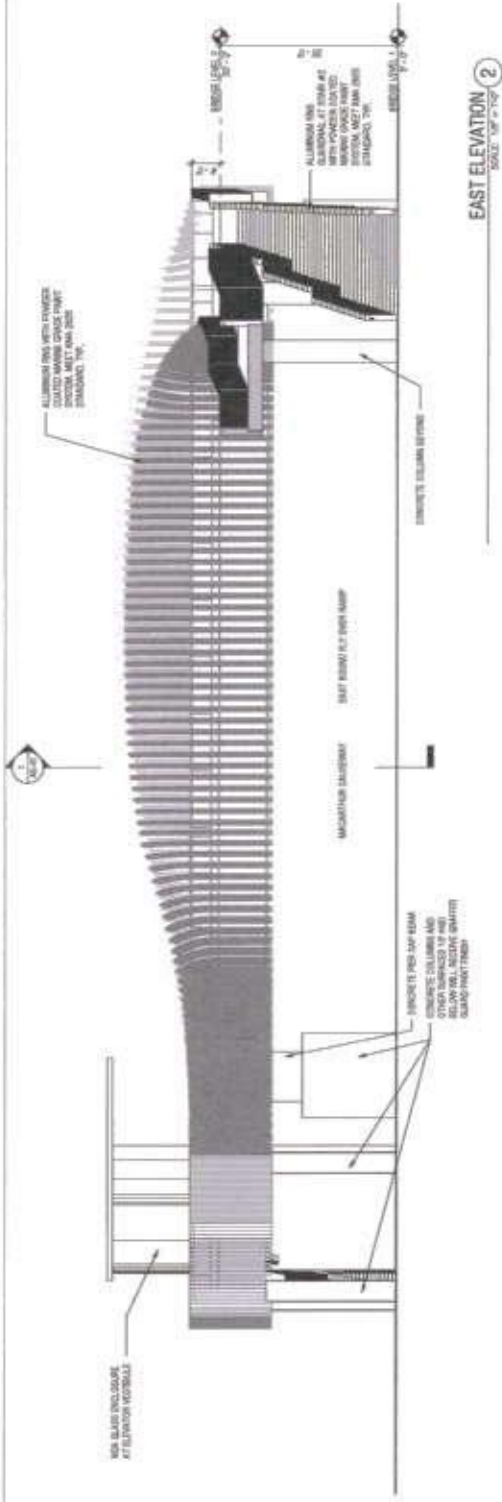
BRIDGE - ROOF LEVEL PLAN

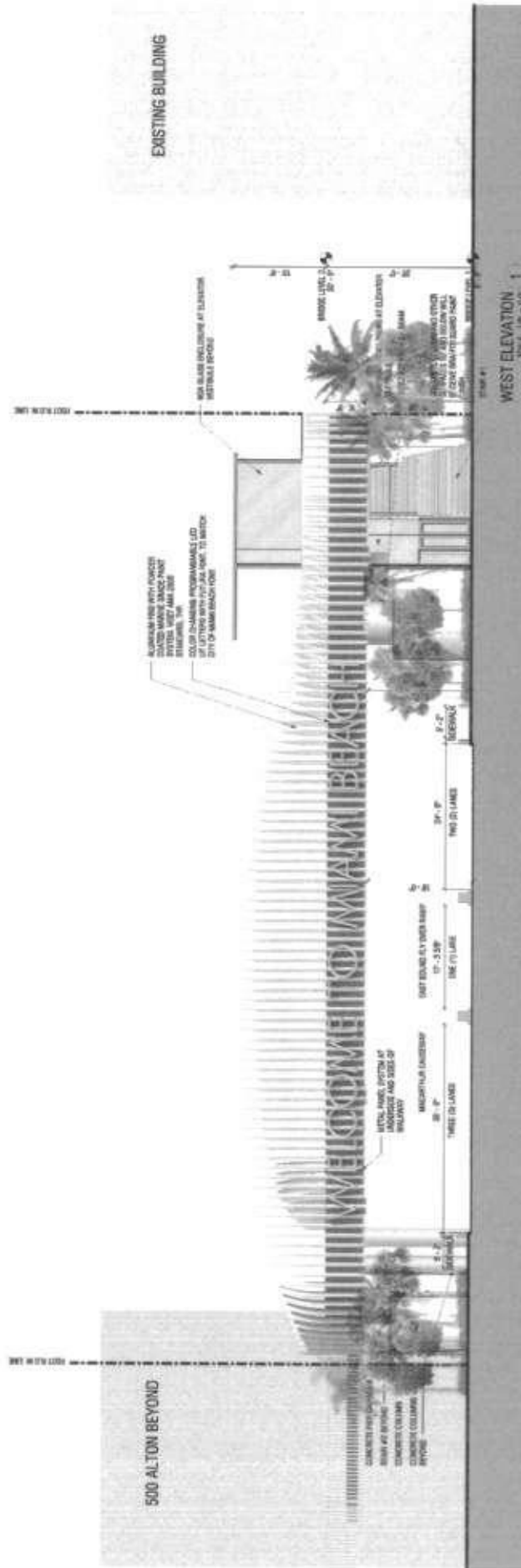
DATE:
04/08/2019

A5-25

Scale: 1/8" = 1'-0"







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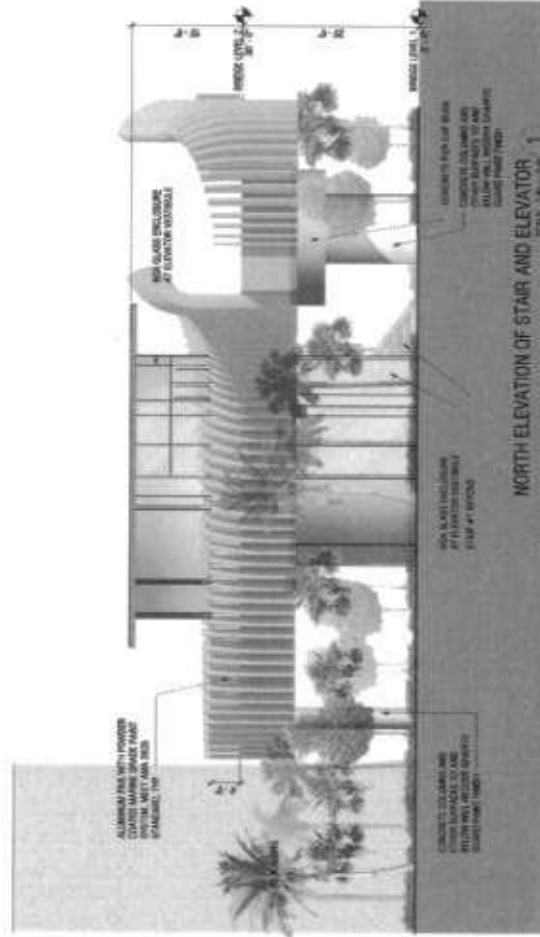
FINAL DRB SUBMITTAL
5TH STREET BAYWALK
PEDESTRIAN CONNECTOR
BRIDGE
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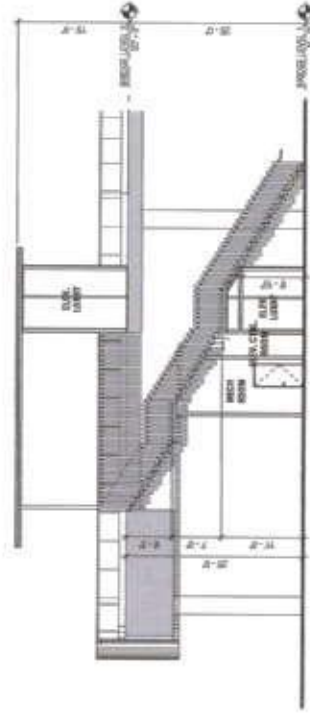
BRIDGE - WEST AND EAST
RENDERED ELEVATIONS

A5-33

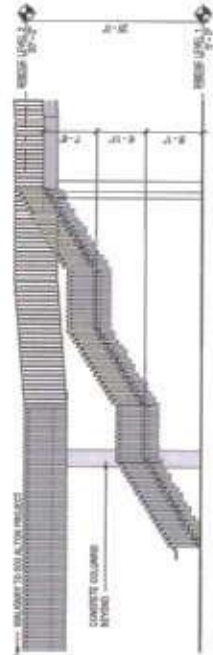
DATE:
04/08/2019

[illegible]





STAIR #1 SECTION ①
SCALE: 1/8" = 1'-0"



STAIR #2 SECTION ②
SCALE: 1/8" = 1'-0"

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FINAL DRB SUBMITTAL
5TH STREET BAYWALK
PEDESTRIAN CONNECTOR
BRIDGE
MIAMI BEACH, FL 33139

STAIR SECTIONS

DATE: 04/08/2019
A5-40

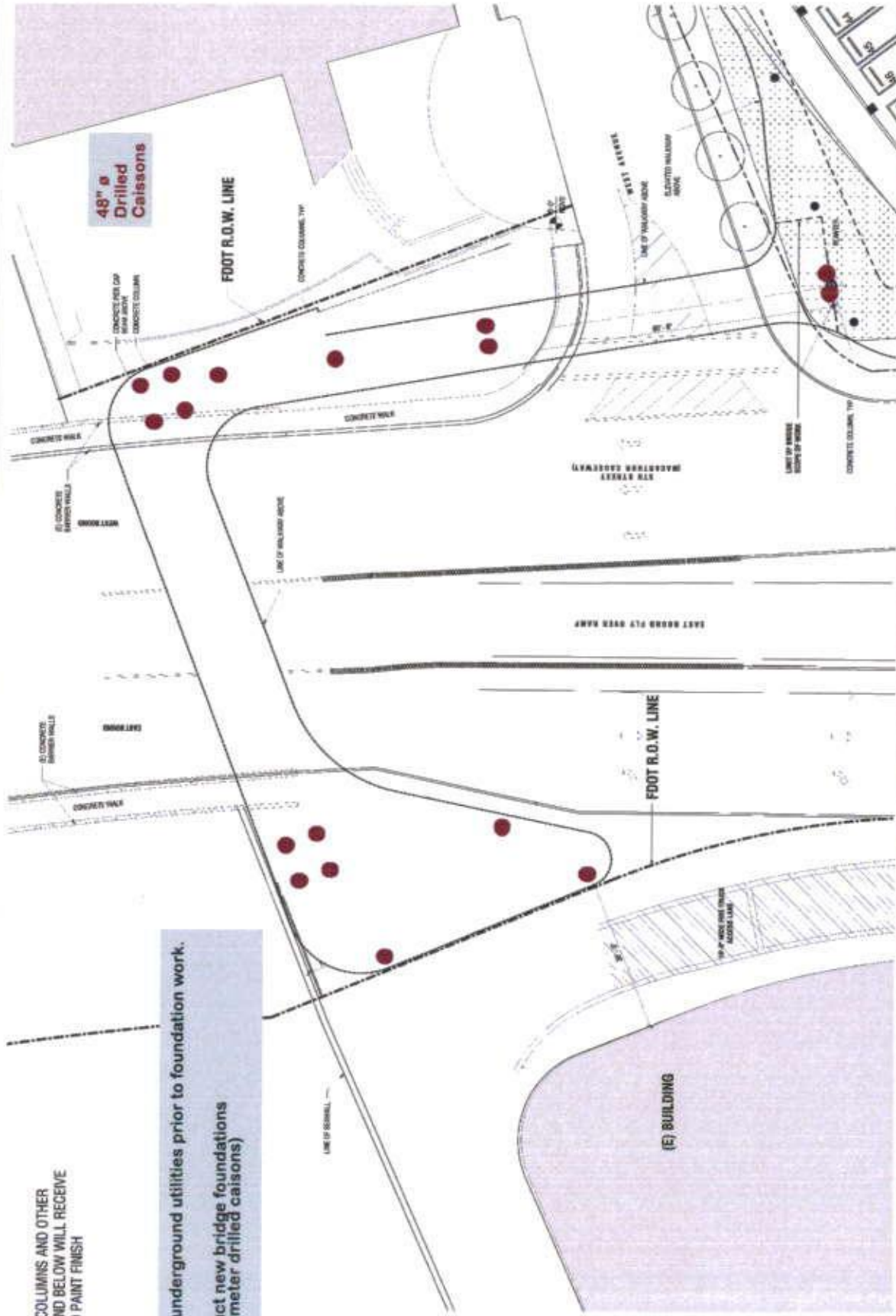


1

A5-41

GENERAL NOTE:
ALL CONCRETE COLUMNS AND OTHER
SURFACES 10' AND BELOW WILL RECEIVE
GRAFFITI GUARD PAINT FINISH

- Locate underground utilities prior to foundation work.
- Construct new bridge foundations
(48" diameter drilled caissons)



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PEDESTRIAN CONNECTOR
BRIDGE
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PHASE 1 FOUNDATIONS

DATE: 04/08/2019
A5-50

- Construct pier columns and caps



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MIAMI BEACH, FL 33139

PHASE 2A SUBSTRUCTURE

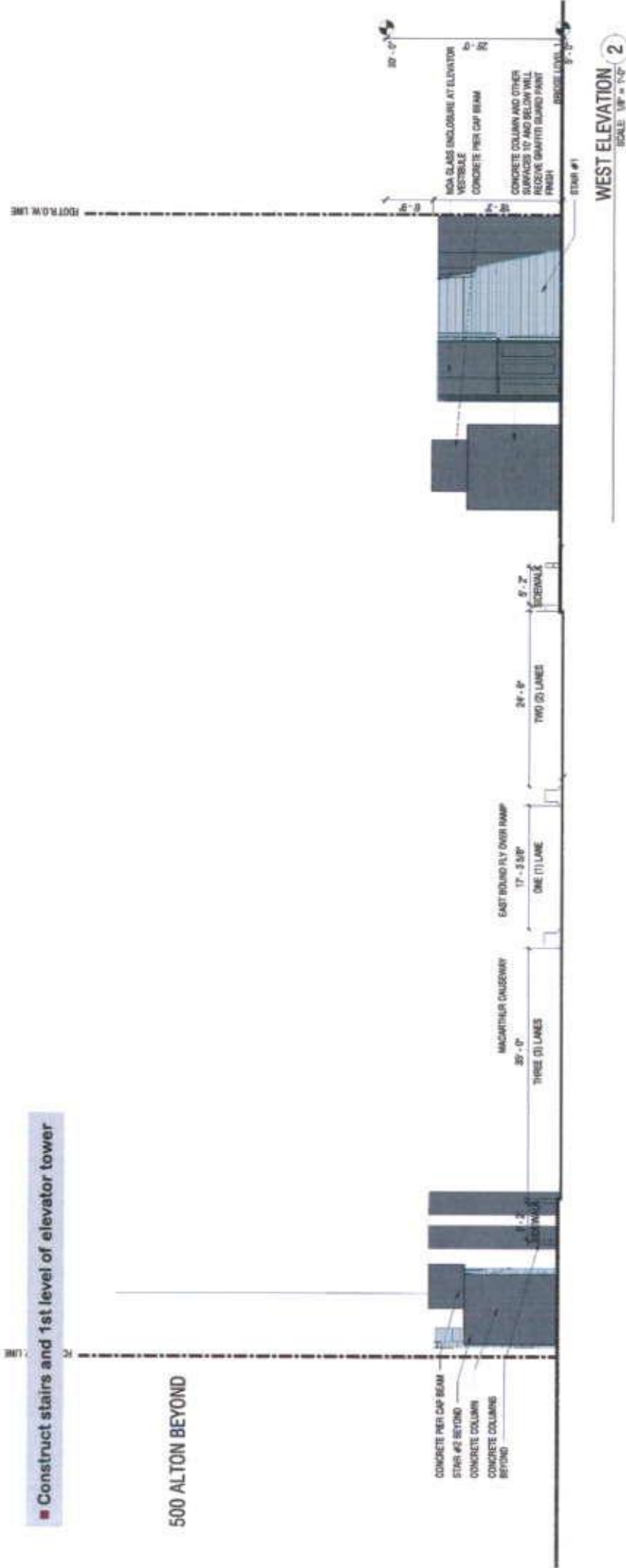
A5-51

DATE: 04/08/2019



■ Construct stairs and 1st level of elevator tower

500' ALTON BEYOND



ARQUITECTONICA LAKES
ENGINEERING, INC.

2800 Oak Avenue, Suite 111, 33130
T 305.375.1912 F 305.375.1176

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FINAL DRB SUBMITTAL
5TH STREET BAYWALK
PEDESTRIAN CONNECTOR
BRIDGE

MIAMI BEACH, FL 33139

PHASE 2B STAIRS AND
ELEVATOR TOWER (LEVEL 1)

DATE:
04/08/2019

A5-53

- 500 ALTON BEYOND

22001 Ochs Avenue, Miami, FL 33133
 Tel: 305/255-4444, Fax: 305/255-4444

MIAMI BEACH, FL 33139

PHASE 3 BEAM AND
ELEVATOR TOWER (LEVEL 2)

DATE: 04/08/2019

A5-54

ELEVATION 2
SCALE 1/8" = 1'-0"

5TH STREET BAYWALK PEDESTRIAN CONNECTOR BRIDGE

MIAMI BEACH, FLORIDA 33139

DESIGN REVIEW BOARD - FIRST SUBMITTAL

FINAL SUBMITTAL DEADLINE 03.11.2019

ARQUITECTONICA GEO

LANDSCAPE ARCHITECTS

2900 OAK AVE

MIAMI, FLORIDA 33133

Phone: (305)372 1812 Fax: (305)372 1175

Website: www.arquitectonicageo.com

INDEX OF DRAWINGS

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(CITY OF MIAMI BEACH DRB)	
1 LO-000	LANDSCAPE INDEX
2 LO-001	LANDSCAPE NOTES
3 LO-002	LANDSCAPE CALCULATIONS
4 LO-003	PLANT IMAGES
5 LO-004	HARDSCAPE IMAGES
6 LO-005	TREE SURVEY
7 L1-000	TREE DISPOSITION PLAN
8 L1-001	TREE MITIGATION PLAN
9 L1-100	GROUND LEVEL RENDERED PLAN
10 L1-110	GROUND LEVEL HARDSCAPE PLAN
11 L1-120	GROUND LEVEL TREE PLAN
12 L1-130	GROUND LEVEL SHRUBS AND GCVR PLAN
13 L1-140	GROUND LEVEL LIGHTING PLAN
14 L1-200	2ND LEVEL RENDERED PLAN
15 L5-100	GROUND LEVEL HARDSCAPE DETAILS
16 L5-120	GROUND LEVEL PLANTING DETAILS
17 LIR1-100	GROUND LEVEL IRRIGATION PLAN
18 LIR5-100	GROUND LEVEL IRRIGATION DETAILS



ARQUITECTONICA LAKES ENGINEERING, INC. **ARQUITECTONICA GEO**

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Phone: (305) 372-1812 Fax: (305) 372-1175

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FIRST DRB SUBMITTAL
5TH STREET BAYWALK
PEDESTRIAN CONNECTOR
BRIDGE
MIAMI BEACH, FL 33139

LANDSCAPE INDEX

04/08/19

LO-000

1000

10. Is the material used to coat, plastic, metal, etc., used to cut and removed from the site? (10) (10)
11. Does the person in your help to you help to cut and removed from the site?
12. All electrical equipment used in the work is removed from the site.
13. All electrical equipment used in the work is removed from the site.
14. All electrical equipment used in the work is removed from the site.
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19. All electrical equipment used in the work is removed from the site.
20. All electrical equipment used in the work is removed from the site.

total amount is benefiting an eligible employee

23. Check for any specifications that preclude any particular type.
24. Consider the safety quantities and record any discrepancies to General Information and to Landscape Architect.
25. All plant material shall be graded items #1 to 1000.
26. All proposed planting lists will be placed on correctly with proper spacing.
27. All trees will require permitting by a registered Master-Plan. County Tree Ordinance.
28. Grading, site work, etc., to be shown shall way shown on table.

100

- DRB SUBMITTAL
STREET BAYWALK
PEDESTRIAN CONNECTOR
GE
BEACH, FL 33139

- [illegible]

12. Committee to replace specified plant activities (2) exists if:
11. Cover planting of any level is public is generally not assessed by the national interior association standards. (Note: If approved, I should be done in writing)
 12. Licensing procedure is subject to the South Florida Department of Agriculture (Hempstead Farm Guide 2 that be applied) through out landscape installation and maintenance
- DRAWING ORGANIZATION**

© 2001 Blackwell Science Ltd

- L4-11**
- _____ 8427-8430
_____ 8431-8434
_____ 8435-8438
_____ 8439-8442
- DEKANO 202P**
_____ 8443-8446
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_____ 8459-8462

100

- [illegible]

100

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| 04/08/19 | L0-001 |
|----------|--------|





OOLITE



ELEVATED WALKWAY



PINE BARK MULCH NUGGET



BAYWALK PAVERS



POURED-IN-PLACE CONCRETE



TREE DISPOSITION SCHEDULE

Tree ID	Tree Species	Tree Size (DBH)	Tree Location	Tree Status
1	Palmetto	12"	100' R.O.W. Line	Remove
2	Palmetto	12"	100' R.O.W. Line	Remove
3	Palmetto	12"	100' R.O.W. Line	Remove
4	Palmetto	12"	100' R.O.W. Line	Remove
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100	Palmetto	12"	100' R.O.W. Line	Remove

FIRST DRB SUBMITTAL
5TH STREET BAYWALK
PEDESTRIAN CONNECTOR
BRIDGE
MIAMI BEACH, FL 33139

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L1-000

04/08/19

TREE DISPOSITION PLAN

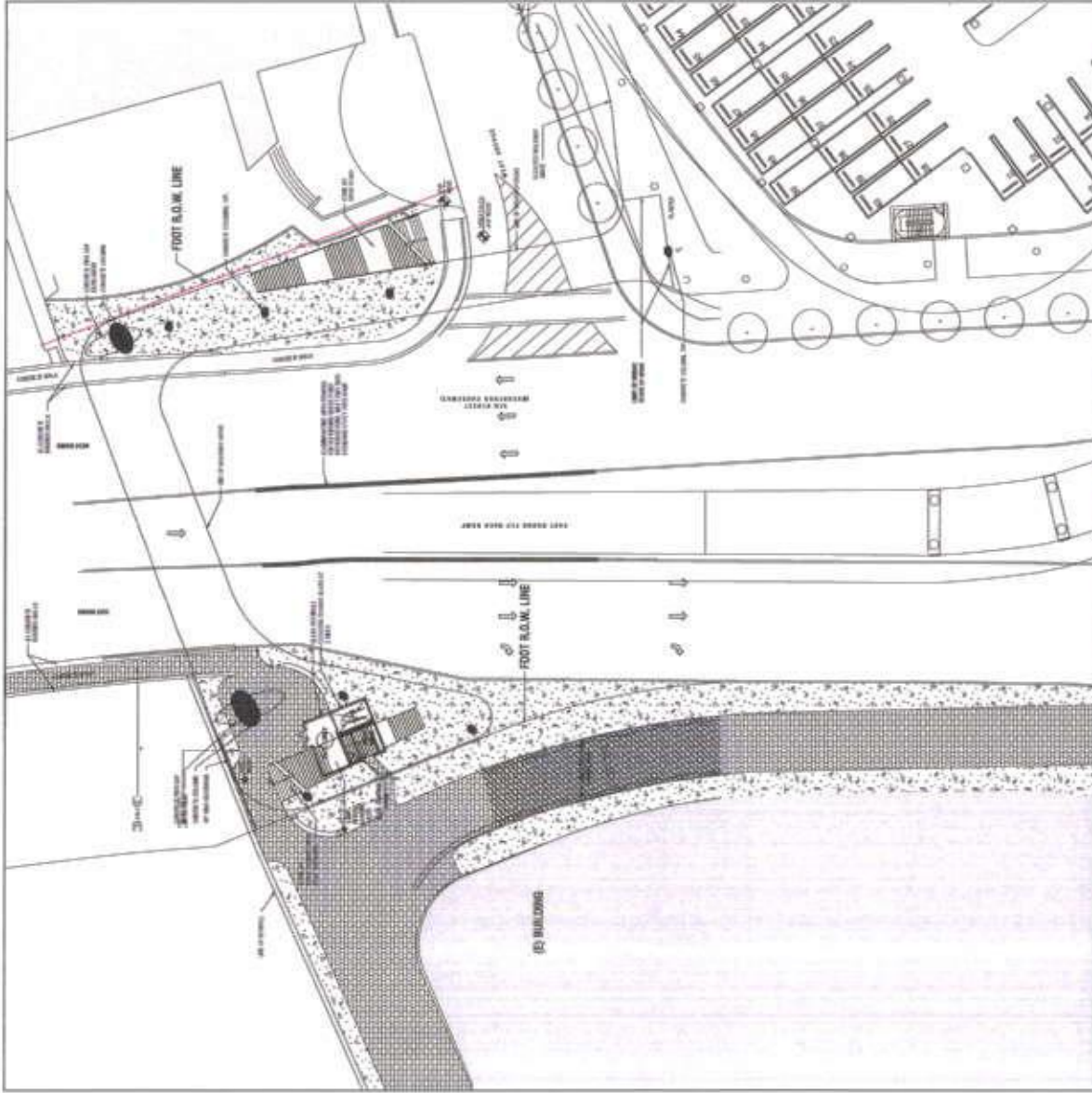


CHAPTER 46-61 TREE REPLACEMENT CHART		
REPLACEMENT TREE CATEGORY	MINIMUM SPECIFICATION REQUIREMENT	CREDIT OBTAINED IN SQUARE FEET (SQ. FT.)
Category 1 Tree	Min. 12" Overall Ht., Min. 2" Cal.	300
Category 2 Tree	Min. 10" Overall Ht., Min. 2" Cal.	150
Category 3 Tree	Min. 8" Overall Ht., Min. 2" Cal.	100
Category 4 Palm	Min. 8" Clear Trunk	300

CHAPTER 46-61 TREE SPECIES DIVERSITY CHART	
REQUIRED NUMBER OF TREES	REQUIRED MINIMUM NUMBER OF SPECIES
0-10	2
11-20	3
21-30	4
31 or greater	5

TREE MITIGATION CALCULATIONS		
REPLACEMENT TREE CATEGORY	NUMBER OF REPLACEMENT TREES	CREDIT OBTAINED IN SQUARE FEET (SQ. FT.)
Category 1 Tree	18	5,400
Category 2 Tree	0	0
Category 3 Tree	0	0
Category 4 Palm	30	9,000
TOTAL REPLACEMENT CANOPY AREA		14,400 SQ. FT.

HARDSCAPE SCHEDULE			
SYMBOL	DESCRIPTION	QTY	UNIT
1	CONCRETE	1.00	YD ³
2	PAVING	1.00	YD ²
3	LANDSCAPE	1.00	YD ²
4	PAVING	1.00	YD ²
5	PAVING	1.00	YD ²
6	PAVING	1.00	YD ²
7	PAVING	1.00	YD ²
8	PAVING	1.00	YD ²
9	PAVING	1.00	YD ²
10	PAVING	1.00	YD ²
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97	PAVING	1.00	YD ²
98	PAVING	1.00	YD ²
99	PAVING	1.00	YD ²
100	PAVING	1.00	YD ²



ARQUITECTONICA LAKES **ARQUITECTONICA**
ENGINEERING, INC.

3900 Old Avenue, Miami, FL 33138
730.571.1812 / 730.571.1175

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FIRST DRB SUBMITTAL
5TH STREET BAYWALK
PEDESTRIAN CONNECTOR
BRIDGE
MIAMI BEACH, FL 33139

GROUND LEVEL HARDSCAPE PLAN

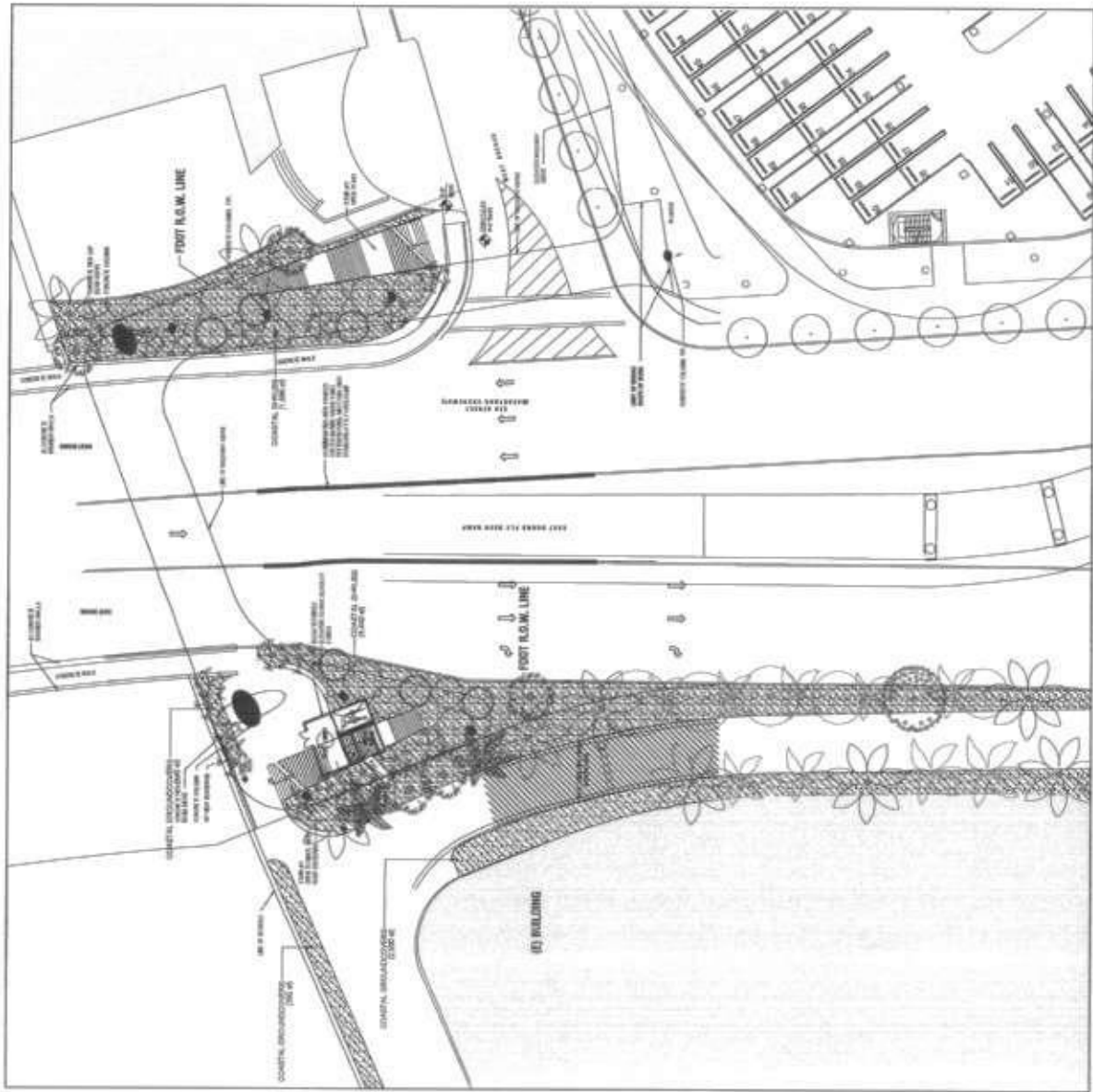
04/08/19

L1-110



TREE SCHEDULE									
LINE	SYMBOL	TYPE	DESCRIPTION	QUANTITY	UNIT	PRICE	TOTAL	REMARKS	DATE
100		1	Planted tree	10	sq ft	100	1000		
101		2	Planted tree	10	sq ft	100	1000		
102		3	Planted tree	10	sq ft	100	1000		
103		4	Planted tree	10	sq ft	100	1000		
104		5	Planted tree	10	sq ft	100	1000		
105		6	Planted tree	10	sq ft	100	1000		
106		7	Planted tree	10	sq ft	100	1000		
107		8	Planted tree	10	sq ft	100	1000		
108		9	Planted tree	10	sq ft	100	1000		
109		10	Planted tree	10	sq ft	100	1000		
110		11	Planted tree	10	sq ft	100	1000		
111		12	Planted tree	10	sq ft	100	1000		
112		13	Planted tree	10	sq ft	100	1000		
113		14	Planted tree	10	sq ft	100	1000		
114		15	Planted tree	10	sq ft	100	1000		
115		16	Planted tree	10	sq ft	100	1000		
116		17	Planted tree	10	sq ft	100	1000		
117		18	Planted tree	10	sq ft	100	1000		
118		19	Planted tree	10	sq ft	100	1000		
119		20	Planted tree	10	sq ft	100	1000		
120		21	Planted tree	10	sq ft	100	1000		
121		22	Planted tree	10	sq ft	100	1000		
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124		25	Planted tree	10	sq ft	100	1000		
125		26	Planted tree	10	sq ft	100	1000		
126		27	Planted tree	10	sq ft	100	1000		
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128		29	Planted tree	10	sq ft	100	1000		
129		30	Planted tree	10	sq ft	100	1000		
130		31	Planted tree	10	sq ft	100	1000		
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134		35	Planted tree	10	sq ft	100	1000		
135		36	Planted tree	10	sq ft	100	1000		
136		37	Planted tree	10	sq ft	100	1000		
137		38	Planted tree	10	sq ft	100	1000		
138		39	Planted tree	10	sq ft	100	1000		
139		40	Planted tree	10	sq ft	100	1000		

SHRUBS & GCVR SCHEDULE	
ITEM #	DESCRIPTION
1	1" DIA. BROWN BARK MULCH
2	1" DIA. BROWN BARK MULCH
3	1" DIA. BROWN BARK MULCH
4	1" DIA. BROWN BARK MULCH
5	1" DIA. BROWN BARK MULCH
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49	1" DIA. BROWN BARK MULCH
50	1" DIA. BROWN BARK MULCH
51	1" DIA. BROWN BARK MULCH
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89	1" DIA. BROWN BARK MULCH
90	1" DIA. BROWN BARK MULCH
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92	1" DIA. BROWN BARK MULCH
93	1" DIA. BROWN BARK MULCH
94	1" DIA. BROWN BARK MULCH
95	1" DIA. BROWN BARK MULCH
96	1" DIA. BROWN BARK MULCH
97	1" DIA. BROWN BARK MULCH
98	1" DIA. BROWN BARK MULCH
99	1" DIA. BROWN BARK MULCH
100	1" DIA. BROWN BARK MULCH



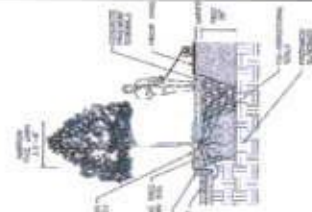
FIRST DRB SUBMITTAL
 5TH STREET BAYWALK
 PEDESTRIAN CONNECTOR
 BRIDGE
 MIAMI BEACH, FL 33139

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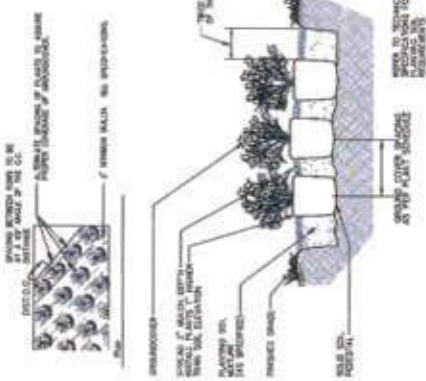
				③ PEDESTRIAN CONCRETE PAVEMENT SCALE 1/4" = 1'-0"
				① SIDEWALK DETAIL TYP. SCALE 1/4" = 1'-0"
				② VEHICULAR CONCRETE PAVEMENT SCALE 1/4" = 1'-0"

**CU-STRUCTURAL SOIL® BREAK-OUT ZONE
FROM NARROW TREE LANE TO ADJACENT PROPERTY**



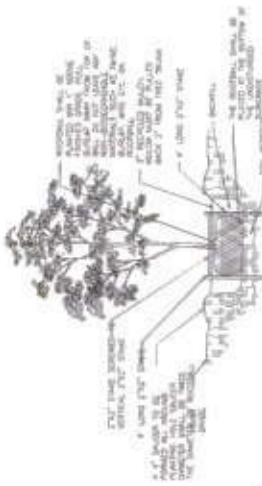
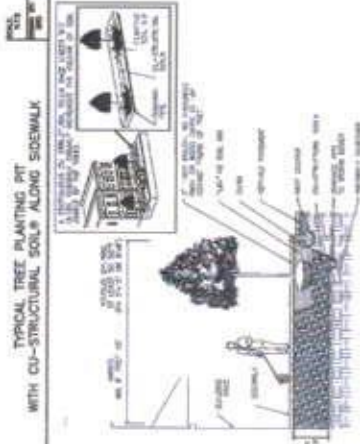
⑦ CU STRUCTURAL SOIL DETAIL

⑤ SHRUB PLANTING DETAIL

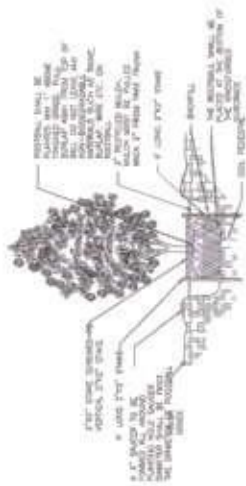


⑧ CU STRUCTURAL SOIL DETAIL

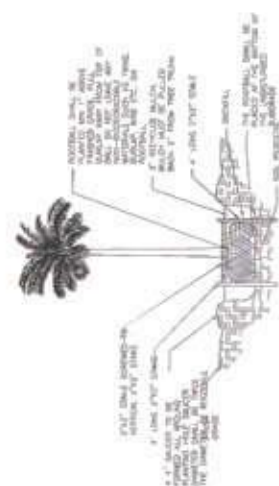
⑥ GROUND COVER PLANTING DETAIL



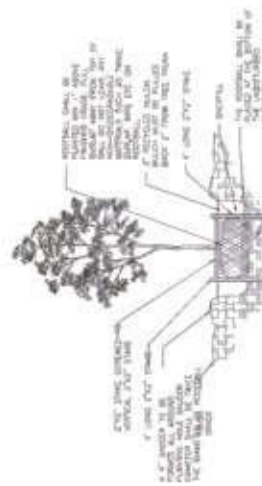
① LARGE TREE PLANTING DETAIL



③ MULTI-TRUNK TREE PLANTING DETAIL



④ PALM TREE PLANTING DETAIL



② SMALL TREE PLANTING DETAIL



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**FIRST DRB SUBMITTAL
5TH STREET BAYWALK
PEDESTRIAN CONNECTOR
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GROUND LEVEL IRRIGATION PLAN

04/08/19

LIR1-100

