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LANDSCAPE LEGEND
INFORMATION REQUIRED TO BE PERMANENTLY AFIXED TO PLANS

CITY OF MIAMI BEACH
LANDSCAPE LEGEND

ZONING DISTRICT: RM-3 LOT AREA: 73,812 ACRES: 1.6945

OPEN SPACE		REQUIRED/ ALLOWED	PROVIDED
A.	Sq. Ft. of required landscaped Open Space Lot area: <u>73,812</u> Multiplier: <u>30%</u>	22,144	24,940
B.	Sq. Ft. of parking lot open space required Parking Spaces: <u>0</u> Multiplier: <u>0</u> sf/space	N/A	N/A
C. Total Sq. Ft. of landscaped Open Space required A+B =		22,144	24,940

LAWN AREA

A.	Total Sq. Ft. of landscaped Open Space required	22,144	24,940
B.	Maximum Lawn Area (sod) permitted Net Lot Area: <u>24,940</u> Multiplier: <u>30%</u>	7,482	0

TREES

A.	Number of trees required per LOT, less existing trees Trees: <u>28</u> Existing trees: <u>0</u>	28	28
B.	Number of STREET trees required, less existing trees Maximum average spacing of twenty feet (20) feet on center Linear feet of frontage: <u>200</u> Trees: <u>10</u> Existing trees: <u>0</u>	10	10
C.	Palms as Street Tree Maximum average spacing of twenty feet (20) feet on center Palms provided: <u>0</u>	0	0
D.	% Native species required Trees provided: <u>38</u> Multiplier: <u>30%</u>	11	11
E.	% Drought tolerant and low maintenance species required Trees provided: <u>38</u> Multiplier: <u>50%</u>	19	19

SHRUBS

A.	Number of shrubs required Trees required: <u>38</u> Multiplier: <u>12</u>	456	456
B.	% Native species required Shrubs provided: <u>456</u> Multiplier: <u>50%</u>	228	228

LARGE SHRUBS

A.	Number of large shrubs or small trees required minimum number of large shrubs or small trees shall be 10% of the required number of shrubs Shrubs required: <u>456</u> Multiplier: <u>10%</u>	46	46
B.	% Native species required Large Shrubs provided: <u>46</u> Multiplier: <u>50%</u>	23	23

INDEX OF DRAWINGS: AMAN MIAMI

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APPLICATION NUMBER HPB20-0441

REVISION TO:
HPB ORDER NO. 7490
HPB20-0376
HPB20-0389
HPB20-0430

DRAWING INDEX
N.T.S.

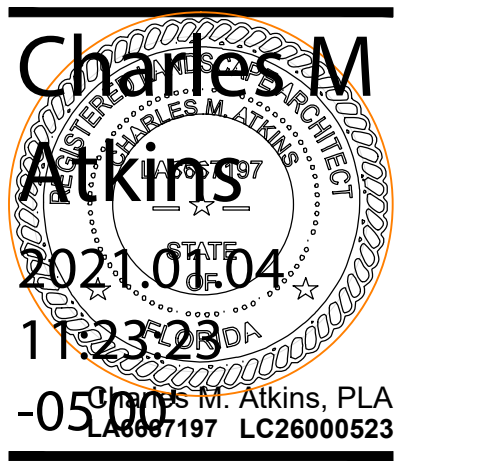
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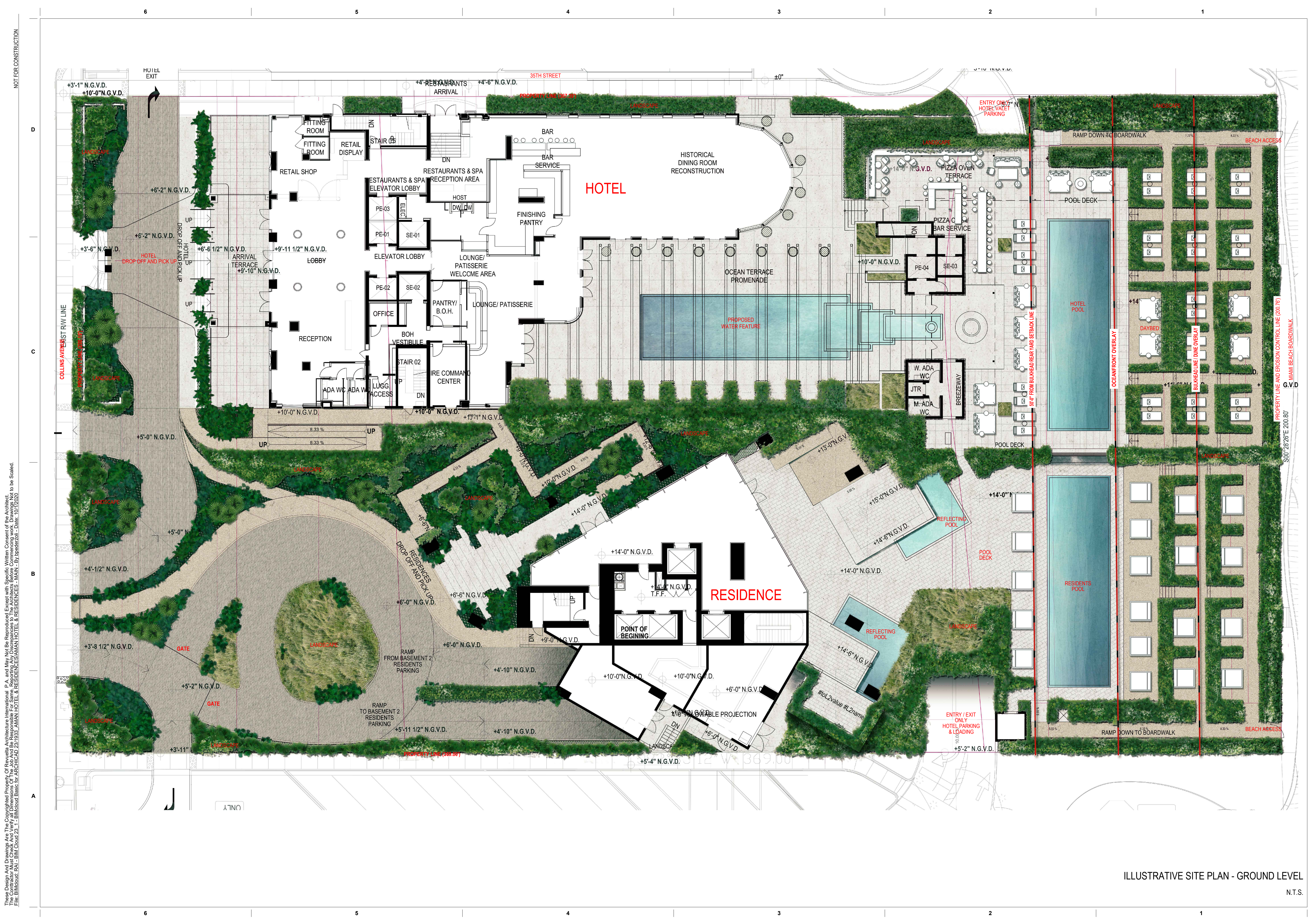


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L-000



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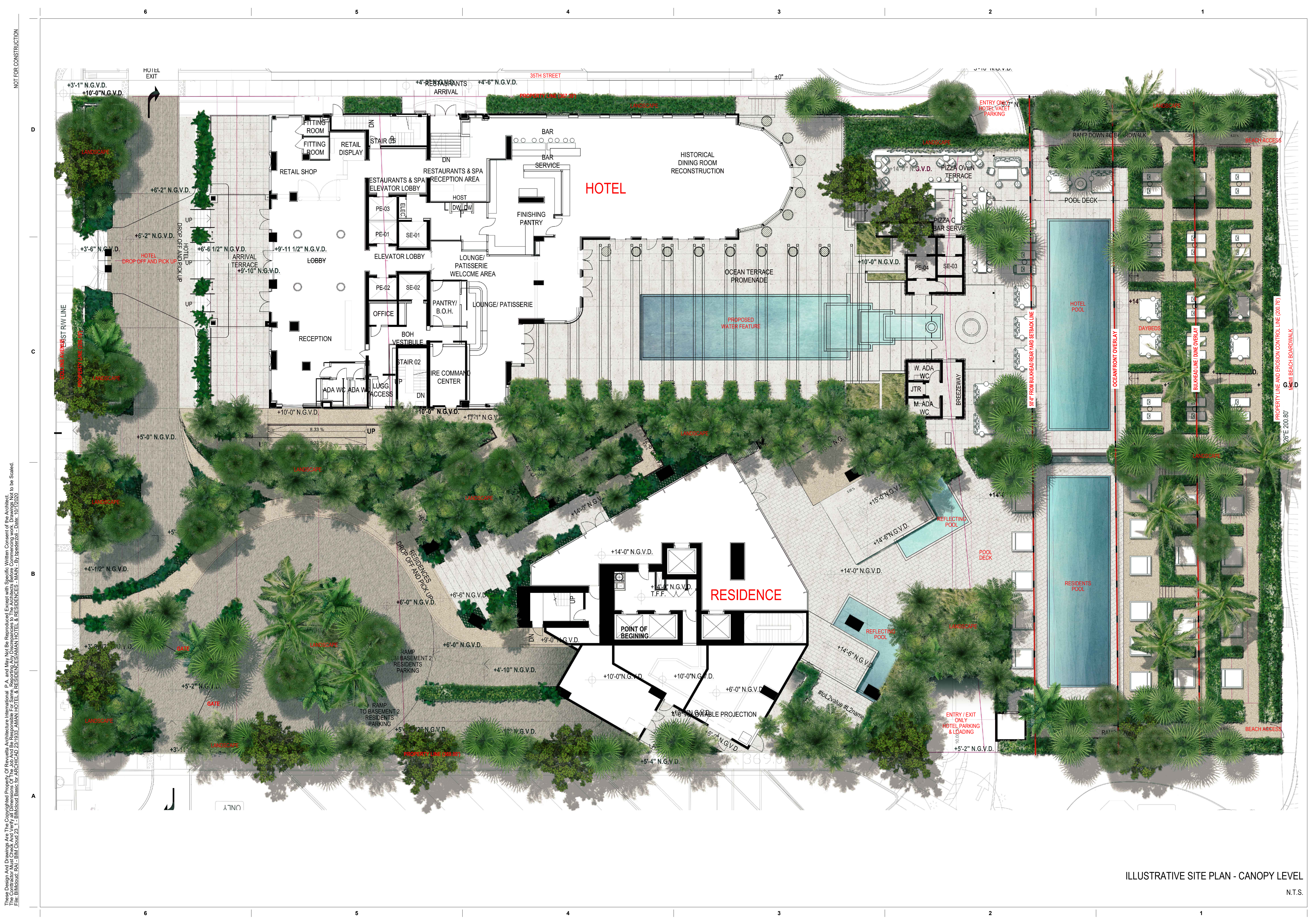
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 ILLUSTRATIVE LANDSCAPE
 SITE PLAN
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ILLUSTRATIVE SITE PLAN - GROUND LEVEL

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ILLUSTRATIVE LANDSCAPE SITE PLAN
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ILLUSTRATIVE SITE PLAN - CANOPY LEVEL

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LANDSCAPE STREET VIEW PERSPECTIVE

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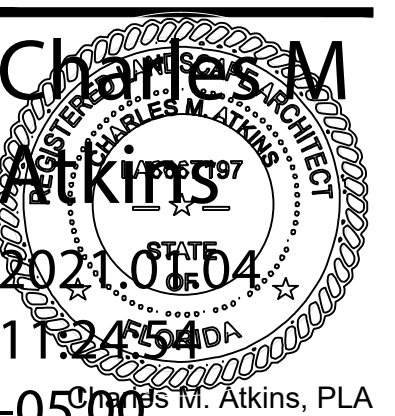
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LANDSCAPE STREET VIEW
PERSPECTIVE

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Canopy

Dypsis cabadae - Cabada Palm



Coccothrinax sp. - Coccothrinax



Sabal Palmetto - Sabal / Cabbage Palm



Cocos nucifera 'Maypan' - Coconut Palm



Satakentia liukiensis - Satake Palm



Clusia rosea - Clusia



Copernicia baileyana - Yarey Palm



Palm Bork Example



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LANDSCAPE MATERIALS
LIST & IMAGES

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LANDSCAPE CANOPY MATERIALS IMAGES

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Category 1

Uniola paniculata - Sea-oats



Spartina patens - Salt Meadow



Ernodea littoralis - Golden Creeper



Category 2

Peperomia obtusifolia - Peperomia



Jacquinia keyensis - Joewood



Zamia pumila - Coontie



Philodendron Buple Marx - Buple Marx



Coccothrinax argentata - Silver Palm



Clusia rosea Nana - Small Leaf Clusia



Category 3

Capparis cynophallophora - Caper



Guaiacum officinale - Lignum Vitae



Conocarpus erectus - Green Buttonwood



Conocarpus erectus var. sericeus



Byrsonima lucida - Locust Berry



Savia bahamensis - Maiden Bush



Clusia rosea - Pitch Apple



Baccharis dioica - Salt Bush



Myrcianthes fragrans - Simpson



LANDSCAPE GROUND LEVEL MATERIAL IMAGES

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LANDSCAPE GROUND LEVEL
MATERIALS LIST & IMAGES

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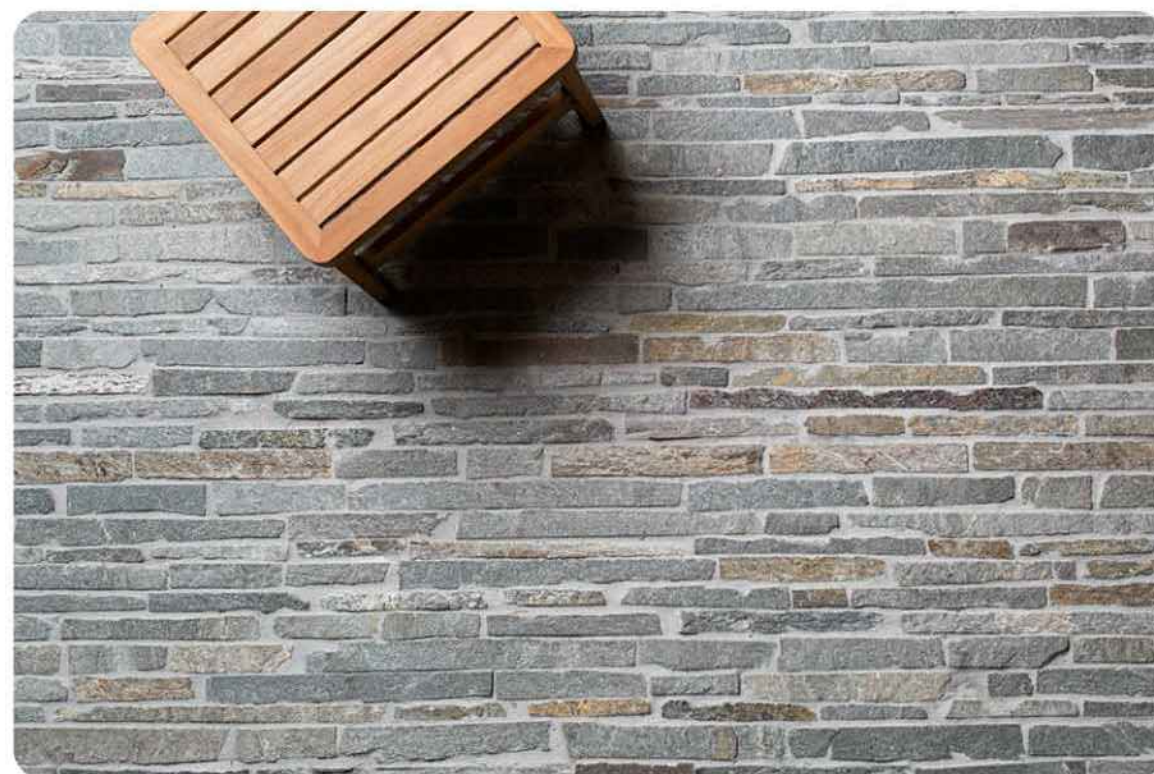
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Hardscape Materials

1. Endicott Filetti



1. Endicott Filetti



2. Stabilized Decomposed Granite



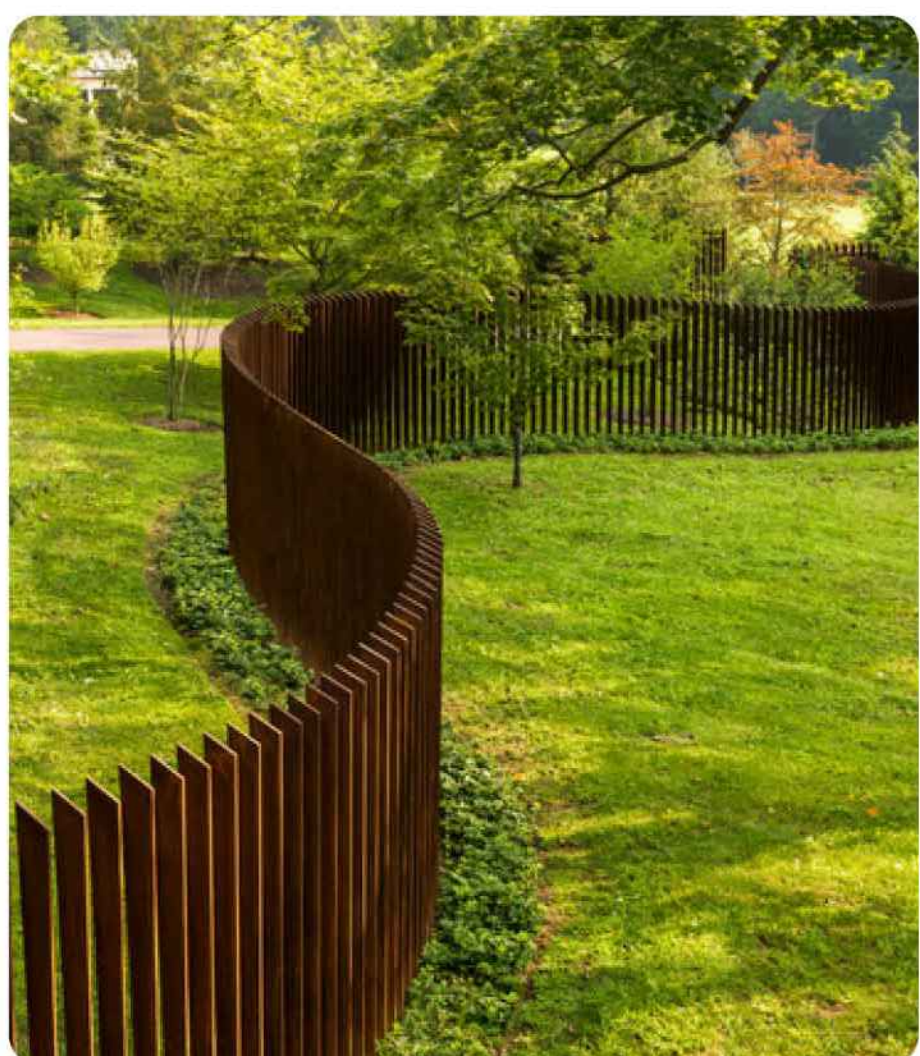
3. Filled and Sealed Limestone



4. Perimeter Fence



4. Perimeter Fence



Aman - Miami Beach
City of Miami Beach HPB Submit

Plant Material - Shrubs Groundcover & Accents

Landscape Ground Level Material

Category 1: Grasses & Groundcovers

Sym	Scientific Name	Common Name	Specification	Spacing	Qty.
TY2	<i>Typharium floridanum</i>	Dwarf Fl. Bahiagrass	3 gal.	36" O.C.	119
SP/3	<i>Spartina patens</i>	Sea-oats	3 gal.	36" O.C.	72
UP/3	<i>Urolophora paniculata</i>	Sea-oats	3 gal.	36" O.C.	72

Category 2: Groundcovers & Accents

Sym	Scientific Name	Common Name	Specification	Spacing	Qty.
CAR/6	<i>Coccothrinax argentea</i>	Silver Thatch Palm	4" D.A.	AS SHOWN	
CN/7	<i>Clusia rosea 'Nana'</i>	Small Leaf Clusia	7 gal.	AS SHOWN	
EL/3	<i>Ermodia bitarsalis</i>	Golden Creeper	3 gal.	AS SHOWN	64
JAL/5	<i>Jacquinia caldwellii</i>	Brazilwood	15 gal.	AS SHOWN	16
JAL/5	<i>Jacquinia keyensis</i>	Ironwood	15 gal./4" ht.	AS SHOWN	15
MD/7	<i>Mussaenda delicosa</i>	Mexican Breadfruit	7 gal.	AS SHOWN	11
PE/3	<i>Philodendron Burle Marx</i>	Burle Marx Philodendron	3 gal.	18" O.C.	576
PO/3	<i>Peperomia obtusifolia</i>	Peperomia	3 gal.	15" O.C.	656
PL/3	<i>Psychotria ligustrifolia</i>	Bahama Coffee	3 gal.	24" O.C.	225
SM/5	<i>Satureia maritima</i>	Bay Cedar	3 gal.	AS SHOWN	42
ZF/3	<i>Zamia floridana</i>	Coonile	3 gal./15" x 15"	24" O.C.	200

Category 3: Hedge/Bush Material

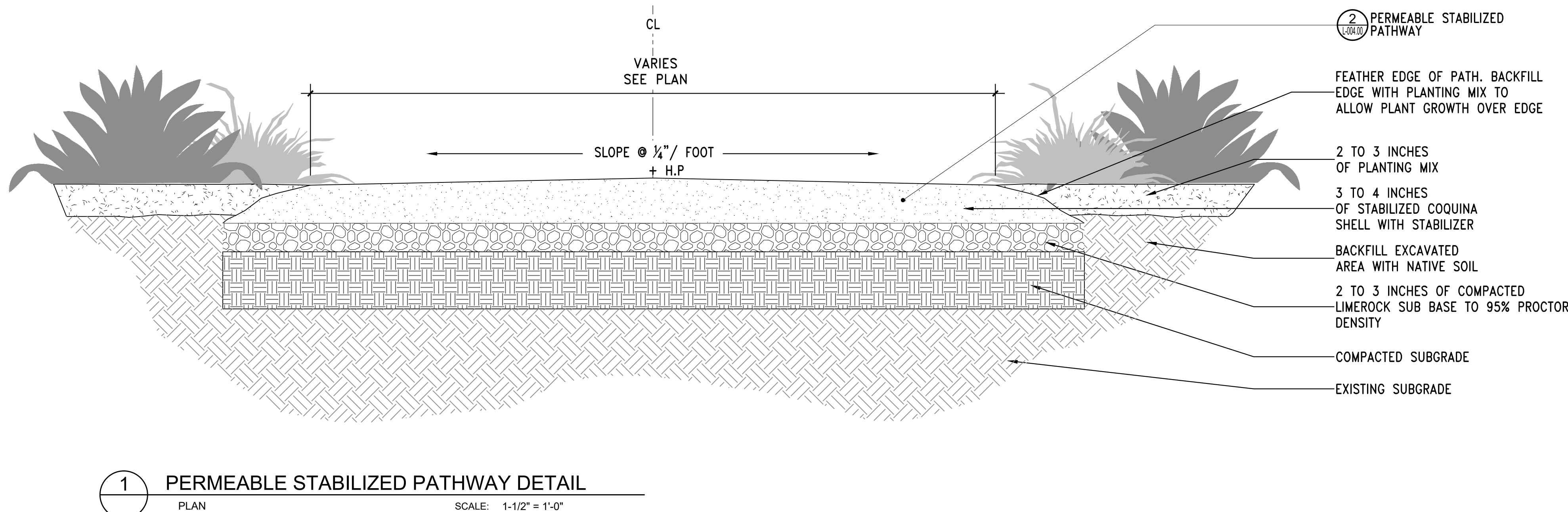
Sym	Scientific Name	Common Name	Specification	Spacing	Qty.
BU/7	<i>Byrsonima lucida</i>	Locust Berry	7 gal./3' x 4' ht.	AS SHOWN	45
BO/7	<i>Baccharis dioica</i>	Salt Bush	7 gal./4' ht. x 3' spd.	AS SHOWN	44
CC/45	<i>Capparis cynophallophora</i>	Jamaica Caper	45 gal./6' HT. min. bush form	AS SHOWN	65
CC/7	<i>Capparis cynophallophora</i>	Jamaica Caper	7 gal./4' ht. x 3' spd.	AS SHOWN	148
CE/7	<i>Conocarpus erectus</i>	Green Buttonwood	7 gal./4' ht. x 2' spd.	AS SHOWN	6
CE/5	<i>Conocarpus erectus</i>	Green Buttonwood	25 gal./4' HT. min. bush form	AS SHOWN	11
CE/7	<i>Conocarpus erectus 'Sericeus'</i>	Silver Buttonwood	7 gal./4' ht. x 3' spd.	AS SHOWN	9
CE/25	<i>Conocarpus erectus 'Sericeus'</i>	Silver Buttonwood	25 gal./4' HT. min. bush form	AS SHOWN	43
CV/7	<i>Clusia rosea</i>	Fitch Apple	7 gal./4' ht. x 3' spd.	AS SHOWN	26
CR/20	<i>Clusia rosea</i>	Fitch Apple	30 gal./4' HT. min. bush form	AS SHOWN	32
GO/25	<i>Guaiacum officinale</i>	Lignum Vitae	25 gal.	AS SHOWN	
MF/15	<i>Myrsine fragrans</i>	Simpson Stopper	15 gal./4' x 5' HT. min. bush form	AS SHOWN	31
MF/25	<i>Myrsine fragrans</i>	Simpson Stopper	25 gal./4' HT. min. bush form	AS SHOWN	42
SB/15	<i>Sida bathanensis</i>	Maiden Bush	15 gal./4' x 5' H. x 4' sp.	AS SHOWN	60

Category 4: Landscape Canopy Level Material

Sym	Scientific Name	Common Name	Specification	Spacing	Qty.
CAL-35	<i>Coccothrinax alta</i>	Silver Thatch Palm	25-35' O.A. Height	AS SHOWN	35
CAL-25	<i>Coccothrinax alta</i>	Silver Thatch Palm	20-25' O.A. Height	AS SHOWN	20
BAU/200	<i>Bambusa nana</i>	Timor Black Bamboo	20-25' O.A. Height	AS SHOWN	4
BMA/100	<i>Bambusa multiplex</i>	Seabreeze Bamboo	20-25' O.A. Height	AS SHOWN	9
BOU/100	<i>Bambusa oldhamii</i>	Giant Timber Bamboo	20-25' O.A. Height	AS SHOWN	18
CBA-10	<i>Copernicia baileyana</i>	Yare palm	20-30' O.A. Height	AS SHOWN	6
CEB/100	<i>Conocarpus erectus</i>	Green Buttonwood	30-35' HT. x 20' SPD. SPECIMEN	AS SHOWN	2
CLU/65	<i>Coccothrinax argentea</i>	Sea Plum	12" D.A.; 6' SPD.; 2" CAL. MULTI	AS SHOWN	19
CNU-20	<i>Coccothrinax argentea</i>	Maypan Coconut Palm	20' O.A. Height	AS SHOWN	4
CNU-25	<i>Coccothrinax argentea</i>	Maypan Coconut Palm	25' O.A. Height	AS SHOWN	8
CNU-30	<i>Coccothrinax argentea</i>	Maypan Coconut Palm	30' O.A. Height	AS SHOWN	19
CNU-35	<i>Coccothrinax argentea</i>	Maypan Coconut Palm	35' O.A. Height	AS SHOWN	
CNU-45	<i>Coccothrinax argentea</i>	Maypan Coconut Palm	45' O.A. Height	AS SHOWN	
CRU/65	<i>Clusia rosea</i>	Clusia	65 gal. multi-trunk bush form	AS SHOWN	11
DCA-15	<i>Dyopsis coboldae</i>	Cabada Palm	20-25' O.A. Height	AS SHOWN	50
DCA-35	<i>Dyopsis coboldae</i>	Cabada Palm	30-35' O.A. Height	AS SHOWN	27
DCA-45	<i>Dyopsis coboldae</i>	Cabada Palm	40-45' O.A. Height	AS SHOWN	12
GOV/50	<i>Guaiacum officinale</i>	Lignum Vitae	AS SHOWN	AS SHOWN	
USA/50	<i>Guaiacum sanctum</i>	Florida Lignum Vitae	AS SHOWN	AS SHOWN	
KEF/100	<i>Krugiodendron ferreum</i>	Black Ironwood	AS SHOWN	AS SHOWN	
MFV/65	<i>Myrsine fragrans</i>	Simpson Stopper	12" O.A.; 6' SPD.; 2" CAL. MULTI	AS SHOWN	10
MFV/100	<i>Myrsine fragrans</i>	Simpson Stopper	12" O.A.; 6' SPD.; 2" CAL. MULTI	AS SHOWN	8
PPV/100	<i>Pithecolobium platylobum</i>	Jamaican Dogwood	12" O.A.; 6' SPD.; 2" CAL.	AS SHOWN	3
PVI-12	<i>Pseudopanax virgiferum</i>	Cherry Palm	12" G.W.	AS SHOWN	
SAI-35	<i>Sabal palmetto</i>	Sakate Palm	35-40' O.A. Height	AS SHOWN	9
SPA-10	<i>Sabal palmetto</i>	Cabbage Palm	20' O.A. w/character	AS SHOWN	10
SPA-25	<i>Sabal palmetto</i>	Cabbage Palm	25' O.A. w/character	AS SHOWN	7
SPA-35	<i>Sabal palmetto</i>	Cabbage Palm	35' O.A. w/character	AS SHOWN	5
SPA-45	<i>Sabal palmetto</i>	Cabbage Palm	45' O.A. w/character	AS SHOWN	5
TBA/100	<i>Taxodium bahamensis</i>	White Tabebuia	12" O.A. W/B; 3" CAL.	AS SHOWN	5

Notes:
 * Meets Large Shrub Requirement
 ** Meets LOT TREE Requirement
 *** Meets STREET TREE Requirement

1/1/2021



FINISH / MATERIALS SCHEDULE

SYM	ITEM	SPECIFICATIONS
1	VEHICULAR PAVING	TYPE: Filetti random length paving COLOR: Endicott FINISH: SOURCE:
2	PERMEABLE STABILIZED PATHWAYS	TYPE: Crushed stabilized aggregate with binder COLOR: TBD FINISH: SOURCE: Organic-Lock; www.organic-lock.com
3	FILLED AND SEALED LIMESTONE	TYPE: Filled and sealed local limestone. Pattern to vary COLOR: FINISH: SOURCE:

HARDSCAPE IMAGES / LANDSCAPE & HARDSCAPE MATERIALS SCHEDULE

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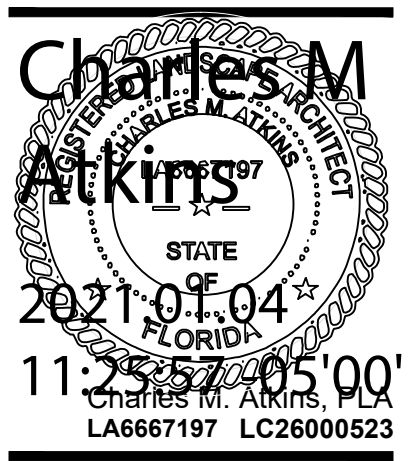
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Organic-Lock

BINDER FOR AGGREGATE SURFACES

Resists erosion
Water permeable
ADA compliant
LEED points

Made from a renewable plant resource

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Organic-Lock is a patented powdered binder made from a renewable plant resource and specialized proprietary additives. It's designed to be blended with crushed aggregate to create natural looking pathways and surfaces. The binder locks the aggregate in place to minimize erosion and maintenance, all the while remaining water-permeable and allowing sitting water to permeate into the groundwater table.

Brooklyn Bridge Park, Brooklyn, NY

How It Works

The binder activates on contact with water to resist erosion and maintain stability in pathways and other surfaces, all while remaining water permeable. As the water permeates the aggregate, it gets absorbed by the Organic-Lock and creates a gel that coats the aggregate particles. The gel expands in size and holds the aggregate particles together, which significantly reduces erosion. Once the gel reaches its maximum swell volume, it is unable to take on any new water, so the excess water passes directly through the system, down into the ground water table. Over time, the gel releases its water through evaporation to the atmosphere and through percolation into the ground water table, recharging the system to be ready for the next rainfall.

Aggregate

Organic-Lock blended aggregates derive much of their strength from the aggregate itself. The gel works best with a natural inter-locking ability of well-graded crushed aggregate particles, which create an optimally structured surface. A well-graded aggregate, in combination with our patented Organic-Lock binder, creates a stable, long-lasting surface, suitable for a wide variety of traffic.

Well Graded (checkmark) Open Graded (X) Gap Graded (X)

Color Options

The color of the end product takes the color of the aggregate used.

Dune and Ocean Overlay Permeable Surface

Example Images

Water Permeable

Organic-Lock grew out of more than a decade of research by agricultural scientists from the University of Guelph as well as the federal research lab at Agriculture Canada. Rigorous laboratory testing led to the development of the optimal scientific formulation for our patented formula. The core focus of our research has been to develop a strong, stable natural binder that not only resists erosion but also remains water permeable. The result: Organic-Lock is the strongest organic binder on the market today.

- RESISTS EROSION
- WATER PERMEABLE
- MAINTAINS STRENGTH & STABILITY
- EASY TO MAINTAIN

LEED

- rapidly renewable
- water permeable
- recycled content
- heat island effect
- regional materials

Its sturdy surface qualifies the project as wheelchair accessible.

Design Options

Embedded Natural Stone, Outdoor gym, Tree Garden, Asphalt Shoulder

There are a multitude of design option potentials, but the following have been highlighted to show the variety of possibilities.

Edging Options

Grass, Concrete, Round Stone, Wood Chips, Pavers

There are a multitude of design option potentials, but the following have been highlighted to show the variety of possibilities.

UNIVERSITY OF NOTRE DAME, Notre Dame, IN

BROOKLYN BRIDGE PARK, Brooklyn, NY

NEW ORLEANS MUSEUM OF ART, New Orleans, LA

WALDEN POND, Concord, MA

INDIANAPOLIS CITY PLAZA, Indianapolis, IN

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Cambridge, MA

"The right stabilizer is critical. We now specify Envirobond's Organic-Lock as the stabilizer for all our 'DG' installations."

- Neil Budzinski & Matthew Girard Sr. Associates at MVA

LANDSCAPE ARCHITECT MAGAZINE

Organic-Lock

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DUNE AND OCEAN OVERLAY PERMEABLE SURFACE

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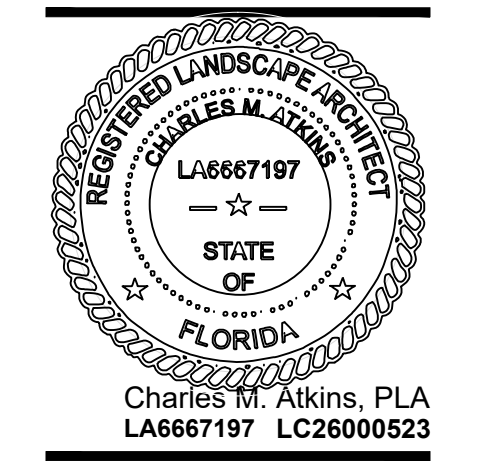
Project

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LA6667197 LC26000523

HPB - March 8, 2021

Date
08/02/2020
Scale
AS SHOWN
Project No.
1933
Sheet Name
OVERLAY PERMEABLE
SURFACE
Sheet No.
L-004.01