

CLIENT / PROPERTY INFORMATION

3101 Indian Creek Drive Miami Beach, FL

EXISTING VEGETATION SUMMARY

The existing vegetation located on the property is composed primarily of Christmas palms, Coconut palms, Washington palms, and Live Oak trees. Some of the existing Christmas Palms will be removed. The Live Oak trees will remain in place and be protected during construction. The existing Washington palms located along Indian Creek Drive are proposed to remain until the roadway engineering project has been completed.

SCOPE OF WORK

- Preservation of existing vegetation and landscape
- New landscape and hardscape design to complement the Architectural renovations of the existing Hotel

INDEX OF SHEETS

- **L0.00** Landscape Cover Page + Sheet Index
- L1.00 Existing Tree Survey + Disposition PlanL2.00 Demolition Plan
- L3.00 Hardscape Plan

- L3.00 Hardscape Plan
 L3.01 Hardscape Details
 L4.00 Canopy Planting Plan
 L4.01 Understory Planting Plan
 L4.02 Landscape Legend, Plant List + Notes
 L4.03 Landscape Planting Details
 L5.00 Irrigation Plan
 L6.00 Landscape Lighting Plan

GREENBRIER HOTEL | 3101 INDIAN CREEK DRIVE | MIAMI BEACH, FLORIDA

VARIANCE SUBMITTAL 08.19.19

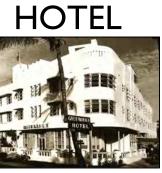
CHRISTOPHER CAWLEY | CC LANDSCAPE ARCHITECTURE LLC | L A

Florida Landscape Architecture Business LC 26000460 780 NE 69th Street | Suite 1106 | Miami, FL 33138 O 786.534.5327 | C 305.979.1585 | www.christophercawley.com ARCHITECTURE+PLANNING

7580 NE 4th COURT MIAMI, FL 33138

1717

PROJECT: GREENBRIER



3101 Indian Creek Drive MIAMI BEACH, **FLORIDA**

DRAWING:

COVER + SHEET INDEX

CHRISTOPHER CAWLEY, RLA Florida License LA 6666786

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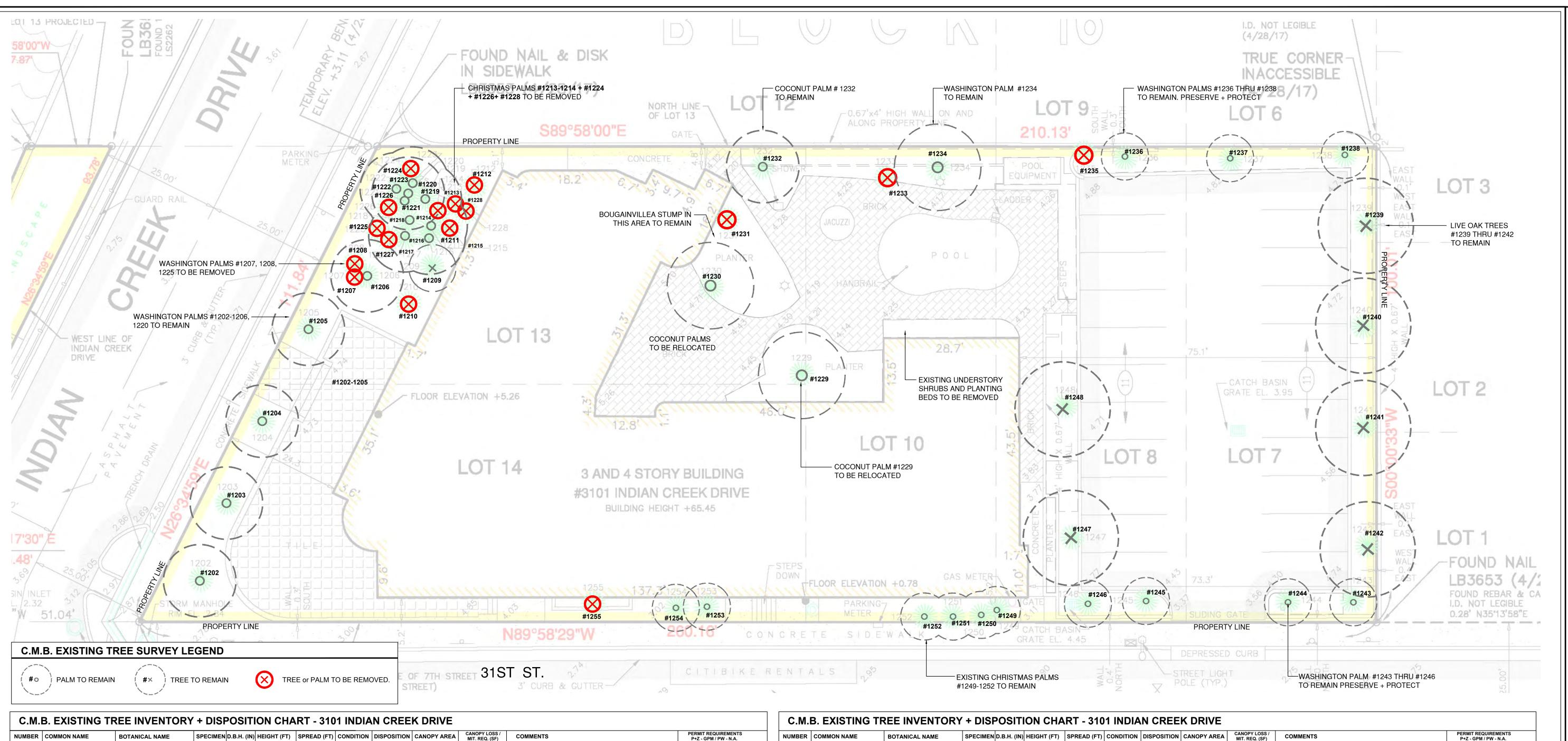
REVISIONS

REV# DATE DESCRIPTION 08.19.19 FPL VARIANCE SUBMITTA

SCALE: as shown CHECK: CC / LM 02/27/2019 DATE:

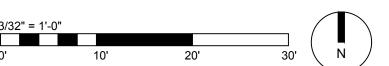
PROJECT NO.: 1717 SHEET NUMBER

L0.00



C.M.	B. EXISTING T	REE INVENTORY	r + DISI	-03111		MI - 310		IN CKLL				
NUMBER	COMMON NAME	BOTANICAL NAME	SPECIMEN	D.B.H. (IN)	HEIGHT (FT)	SPREAD (FT)	CONDITION	DISPOSITION	CANOPY AREA	CANOPY LOSS / MIT. REQ. (SF)	COMMENTS	PERMIT REQUIREMENTS P+Z - GPM / PW - N.A.
#1202	Washington Palm	Washingtonia Robusta	YES	14"	30'	12'	GOOD	REMAIN	114 SF	0 SF	PRESERVE + PROTECT DURING CONSTUCTION	N/A
#1203	Washington Palm	Washingtonia Robusta	YES	14"	45'	12'	GOOD	REMAIN	114 SF	0 SF	PRESERVE + PROTECT DURING CONSTUCTION	N/A
#1204	Washington Palm	Washingtonia Robusta	YES	14"	30'	12'	GOOD	REMAIN	114 SF	0 SF	PRESERVE + PROTECT DURING CONSTUCTION	N/A
#1205	Washington Palm	Washingtonia Robusta	YES	16"	40'	15'	GOOD	REMAIN	177 SF	0 SF	PRESERVE + PROTECT DURING CONSTUCTION	N/A
#1206	Washington Palm	Washingtonia Robusta	YES	16"	40'	15'	GOOD	REMAIN	177 SF	0 SF	PRESERVE + PROTECT DURING CONSTUCTION	N/A
#1207	Washington Palm	Washingtonia Robusta	YES	0"	8'	8'	GOOD	REMOVE	51 SF	0 SF	SMALL PALM, NO MITIGATION REQUIRED	N/A - NO PERMIT REQUIRED
#1208	Washington Palm	Washingtonia Robusta	YES	0"	8'	8'	GOOD	REMOVE	51 SF	0 SF	SMALL PALM, NO MITIGATION REQUIRED	N/A - NO PERMIT REQUIRED
#1209	Sea Grape	Coccoloba Uvifera	YES	16"	18'	10'	GOOD	REMAIN	79 SF	0SF	PRESERVE + PROTECT DURING CONSTUCTION	GREEN SPACE MANGMT / PV
#1210	Fire Bush	Hamelia patens	NO	4"	8'	10'	GOOD	REMOVE	79 SF	0 SF	NOT A TREE	N/A - NO PERMIT REQUIRED
#1211	Sea Grape Bush	Coccoloba Uvifera	YES	12"	8'	10'	GOOD	REMOVE	79 SF	158 SF	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED	GREEN SPACE MANGMT / PV
#1212	Fire Bush	Hamelia patens	NO	6"	12'	6'	GOOD	REMOVE	29 SF	0 SF	NOT A TREE	N/A - NO PERMIT REQUIRED
#1213	Christmas Palms	Adonidia merrillii	NO	6"	30'	14'	GOOD	REMOVE	154 SF	154 SF	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED	N/A
#1214	Christmas Palms	Adonidia merrillii	NO	6"	30'	14'	GOOD	REMOVE	154 SF	154 SF	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED	N/A
#1215	Christmas Palms	Adonidia merrillii	NO	6"	30'	14'	GOOD	REMAIN	154 SF	0 SF	PRESERVE + PROTECT DURING CONSTUCTION	N/A
#1216	Christmas Palms	Adonidia merrillii	NO	6"	30'	14'	GOOD	REMAIN	154 SF	0 SF	PRESERVE + PROTECT DURING CONSTUCTION	N/A
#1217	Christmas Palms	Adonidia merrillii	YES	12"	30'	18'	GOOD	REMAIN	255 SF	0 SF	PRESERVE + PROTECT DURING CONSTUCTION	N/A
#1218	Christmas Palms	Adonidia merrillii	NO	6"	35'	12'	GOOD	REMAIN	114 SF	0 SF	PRESERVE + PROTECT DURING CONSTUCTION	N/A
#1219	Christmas Palms	Adonidia merrillii	YES	12"	30'	16'	GOOD	REMAIN	202 SF	0 SF	PRESERVE + PROTECT DURING CONSTUCTION	N/A
#1220	Washington Palm	Washingtonia Robusta	YES	14"	50'	16'	GOOD	REMAIN	202 SF	0 SF	PRESERVE + PROTECT DURING CONSTUCTION	N/A
#1221	Christmas Palms	Adonidia merrillii	NO	6"	30'	12'	GOOD	REMAIN	114 SF	0 SF	PRESERVE + PROTECT DURING CONSTUCTION	N/A
#1222	Christmas Palms	Adonidia merrillii	YES	30"	20'	20'	GOOD	REMAIN	315 SF	0 SF	PRESERVE + PROTECT DURING CONSTUCTION	N/A
#1223	Christmas Palms	Adonidia merrillii	YES	12"	24'	16'	GOOD	REMAIN	202 SF	0 SF	PRESERVE + PROTECT DURING CONSTUCTION	N/A
#1224	Christmas Palms	Adonidia merrillii	NO	6"	22'	8'	GOOD	REMOVE	51 SF	51 SF	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED	GREEN SPACE MANGMT / PV
#1225	Washington Palm	Washingtonia Robusta	NO	8"	5'	8'	GOOD	REMOVE	51 SF	51 SF	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED	GREEN SPACE MANGMT / PV
#1226	Christmas Palms	Adonidia merrillii	NO	4"	5'	8'	GOOD	REMOVE	51 SF	51 SF	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED	GREEN SPACE MANGMT / PV
#1227	Fire Bush	Hamelia patens	NO	4"	12'	10'	GOOD	REMOVE	79 SF	0 SF	NOT A TREE	N/A - NO PERMIT REQUIRED
#1228	Christmas Palms	Adonidia merrillii	NO	3"	6'	8'	GOOD	REMOVE	51 SF	51 SF	IN CONFLICT WITH SITE DESIGN. MITIGATION PROVIDED	GREEN SPACE MANGMT / PV
#1229	Coconut Palm	Cocos nucifera	NO	10"	15'	20'	GOOD	REMAIN	315 SF	0 SF	PRESERVE + PROTECT DURING CONSTUCTION	N/A

NUMBER	COMMON NAME	BOTANICAL NAME	SPECIMEN	D.B.H. (IN)	HEIGHT (FT)	SPREAD (FT)	CONDITION	DISPOSITION	CANOPY AREA	CANOPY LOSS / MIT. REQ. (SF)	COMMENTS	PERMIT REQUIREMENTS P+Z - GPM / PW - N.A.
#1230	Coconut Palm	Cocos nucifera	YES	12"	30'	20'	GOOD	REMAIN	315 SF	0 SF	PRESERVE + PROTECT DURING CONSTRUCTION	N/A
#1231	White Bird of Paradise	Strelitzia nicolai	NO	12"	10'	6'	GOOD	REMOVE	29 SF	0 SF	NOT A TREE	N/A - NO PERMIT REQUIRED
#1232	Coconut Palm	Cocos nucifera	YES	12"	35'	24'	GOOD	REMAIN	253 SF	0 SF	PRESERVE + PROTECT DURING CONSTRUCTION	N/A
#1233	Washington Palm	Washingtonia Robusta	YES	0"	12'	12'	GOOD	REMOVE	114 SF	0 SF	SMALL PALM, NO MITIGATION REQUIRED	GREEN SPACE MANGMT / PW
#1234	Washington Palm	Washingtonia Robusta	YES	12"	35'	16"	GOOD	REMAIN	202 SF	0 SF	PRESERVE + PROTECT DURING CONSTRUCTION	N/A
#1235	Washington Palm	Washingtonia Robusta	NO	0"	14'	6'	GOOD	REMOVE	29 SF	0 SF	SMALL PALM, NO MITIGATION REQUIRED	N/A - NO PERMIT REQUIRED
#1236	Washington Palm	Washingtonia Robusta	YES	12"	40'	10'	GOOD	REMAIN	79 SF	0 SF	PRESERVE + PROTECT DURING CONSTUCTION	N/A
#1237	Washington Palm	Washingtonia Robusta	YES	12"	30'	8'	GOOD	REMAIN	51 SF	0 SF	PRESERVE + PROTECT DURING CONSTUCTION	N/A
#1238	Washington Palm	Washingtonia Robusta	YES	12"	45'	8'	GOOD	REMAIN	51 SF	0 SF	PRESERVE + PROTECT DURING CONSTUCTION	N/A
#1239	Live Oak	Quercus Virginiana	NO	10"	25'	22'	GOOD	REMAIN	381 SF	0 SF	PRESERVE + PROTECT DURING CONSTRUCTION	N/A
#1240	Live Oak	Quercus Virginiana	NO	10"	25'	22'	GOOD	REMAIN	381 SF	0 SF	PRESERVE + PROTECT DURING CONSTRUCTION	N/A
#1241	Live Oak	Quercus Virginiana	NO	10"	25'	22'	GOOD	REMAIN	381 SF	0 SF	PRESERVE + PROTECT DURING CONSTRUCTION	N/A
#1242	Live Oak	Quercus Virginiana	NO	10"	25'	22'	GOOD	REMAIN	381 SF	0 SF	PRESERVE + PROTECT DURING CONSTRUCTION	N/A
#1243	Washington Palm	Washingtonia Robusta	YES	12"	28'	10'	GOOD	REMAIN	79 SF	0 SF	PRESERVE + PROTECT DURING CONSTUCTION	N/A
#1244	Washington Palm	Washingtonia Robusta	YES	14"	40'	10'	GOOD	REMAIN	79 SF	0 SF	PRESERVE + PROTECT DURING CONSTUCTION	N/A
#1245	Washington Palm	Washingtonia Robusta	YES	12"	30'	10'	GOOD	REMAIN	79 SF	0 SF	PRESERVE + PROTECT DURING CONSTUCTION	N/A
#1246	Washington Palm	Washingtonia Robusta	YES	14"	45'	10'	GOOD	REMAIN	79 SF	0 SF	PRESERVE + PROTECT DURING CONSTUCTION	N/A
#1247	Live Oak	Quercus Virginiana	NO	10"	24'	25'	GOOD	REMAIN	491 SF	0 SF	PRESERVE + PROTECT DURING CONSTRUCTION	N/A
#1248	Live Oak	Quercus Virginiana	YES	12"	20'	12'	GOOD	REMAIN	114 SF	0 SF	PRESERVE + PROTECT DURING CONSTRUCTION	N/A
#1249	Christmas Palms	Adonidia merrillii	YES	12"	11'	12'	GOOD	REMAIN	114 SF	0 SF	PRESERVE + PROTECT DURING CONSTUCTION	N/A
#1250	Christmas Palms	Adonidia merrillii	NO	10"	10'	8'	GOOD	REMAIN	51 SF	0 SF	PRESERVE + PROTECT DURING CONSTUCTION	N/A
#1251	Christmas Palms	Adonidia merrillii	NO	10"	10'	10'	GOOD	REMAIN	79 SF	0 SF	PRESERVE + PROTECT DURING CONSTUCTION	N/A
#1252	Christmas Palms	Adonidia merrillii	NO	6"	8'	8'	GOOD	REMAIN	51 SF	0 SF	PRESERVE + PROTECT DURING CONSTUCTION	N/A
#1253	Washington Palm	Washingtonia Robusta	YES	16"	35'	10'	GOOD	REMAIN	79 SF	0 SF	PRESERVE + PROTECT DURING CONSTUCTION	N/A
#1254	Latan Palm	Latania	NO	10"	16'	12'	GOOD	REMAIN	114 SF	0 SF	PRESERVE + PROTECT DURING CONSTUCTION	N/A
#1255	White Bird of Paradise	Strelitzia nicolai	NO	0"	10'	15'	GOOD	REMOVE	177 SF	0 SF	NOT A TREE	N/A - NO PERMIT REQUIRED



CHRISTOPHER CAWLEY | CC LANDSCAPE ARCHITECTURE LLC | L A

Florida Landscape Architecture Business LC 26000460 780 NE 69th Street | Suite 1106 | Miami, FL 33138 O 786.534.5327 | C 305.979.1585 | www.christophercawley.com ARCHITECTURE+PLANNING

7580 NE 4th COURT MIAMI, FL 33138

1717

PROJECT: **GREENBRIER**



3101 Indian Creek Drive MIAMI BEACH, **FLORIDA**

DRAWING:

EXISTING TREE SURVEY + DISPOSITION **PLAN**

SEAL

CHRISTOPHER CAWLEY, RLA

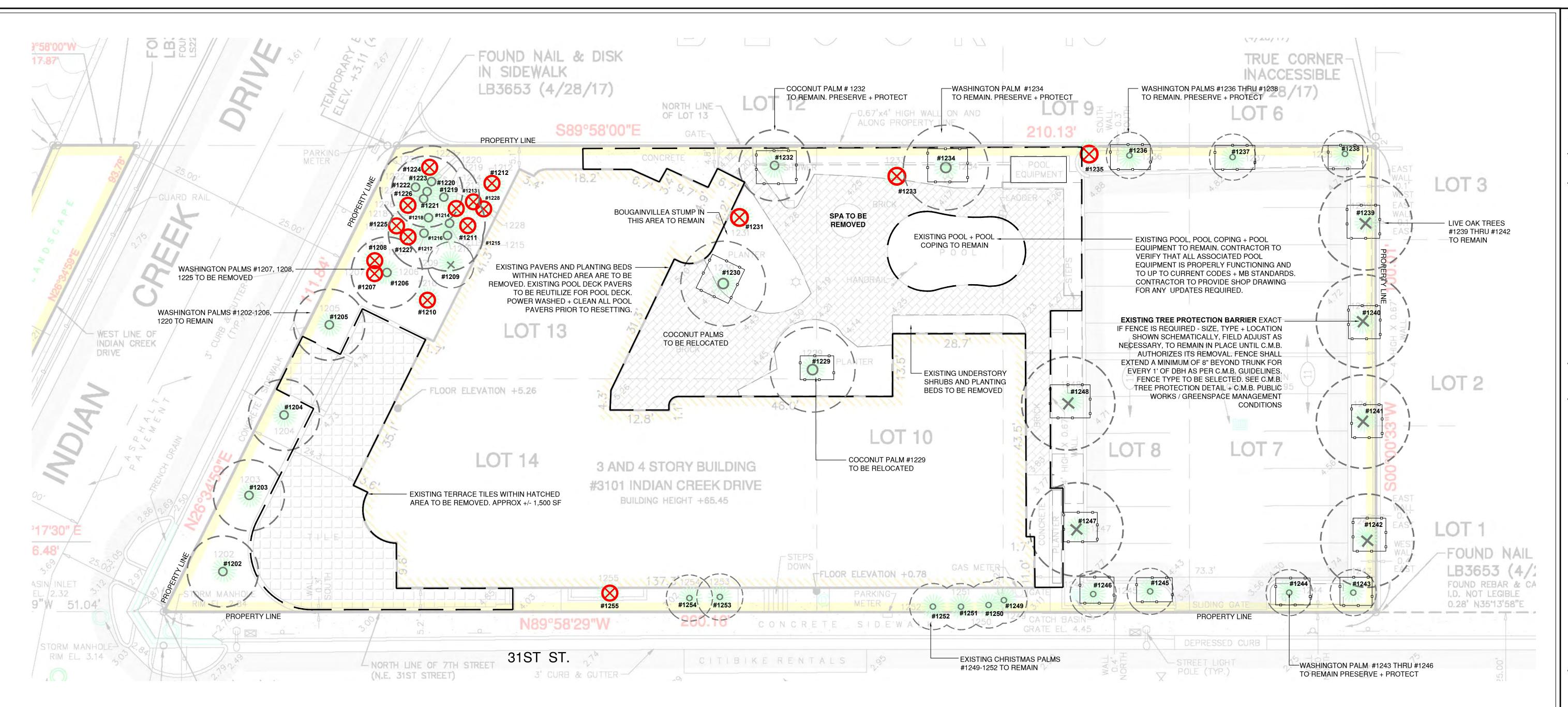
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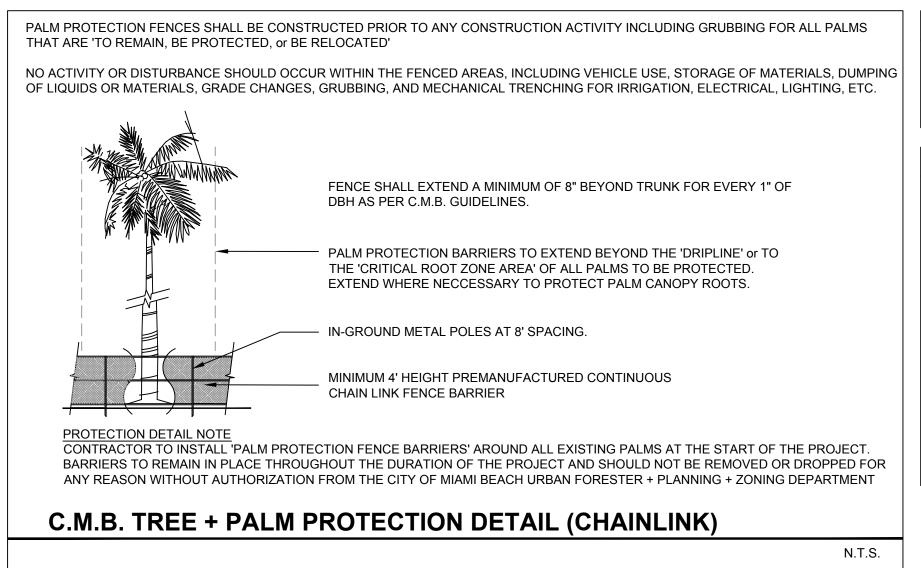
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PROJECT NO.: 1717

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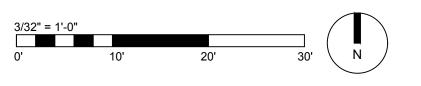






C.M.B. PUBLIC WORKS / GREENSPACE MANAGEMENT CONDITIONS

- 1. SHOULD ANY EXISTING TREES OR PALMS BE DAMAGED THEY SHALL BE EVALUATED BY THE CITY URBAN FORESTER TO DETERMINE CORRECTIVE ACTIONS THAT MAY INCLUDE REMOVAL, CORRECTIVE PRUNING AND OR REPLACEMENT. ANY CORRECTIVE ACTIONS REQUIRED SHALL BE PERFORMED IN ACCORDANCE WITH MIAMI BEACH CODE, THE MOST CURRENT ANSI A-300 PRUNING STANDARDS AND OR AN ISSUED CITY OF MIAMI BEACH TREE WORK PERMIT. ANY CORRECTIVE PRUNING REQUIRED SHALL BE PERFORMED BY AN ISA CERTIFIED ARBORIST AND THE CITY URBAN FORESTER SHALL BE CONSULTED.
- 2. CARE SHALL BE TAKEN TO AVOID UTILITY OR CONSTRUCTION TRENCHING THROUGH EXISTING TREE OR PALM DRIPLINES OF TREES SLATED TO REMAIN IN PLACE OR BE RELOCATED. IF CONSTRUCTION REQUIRES THE CUTTING OF ANY ROOTS WITH A DIAMETER OF 2" OR GREATER, ROOTS SHALL BE CLEANLY CUT WITH A SHARP TOOL, AS DIRECTED BY AN ISA CERTIFIED ARBORIST, AND IN ACCORDANCE WITH THE ANSI A-300 STANDARDS. CUT ROOTS SHOULD BE IMMEDIATELY COVERED WITH SOIL TO PREVENT DRYING. ROOTS SHOULD NOT BE TORN OR BROKEN BY HEAVY EQUIPMENT, AND NO SHREDDED, RAGGED OR BROKEN ROOT ENDS SHOULD BE LEFT. THE CITY URBAN FORESTER SHALL BE NOTIFIED IN WRITING AND OR CONSULTED PRIOR TO ANY ROOT PRUNING TAKING PLACE.
- 3. SHOULD ANY CORRECTIVE STRUCTURAL PRUNING BE NECESSARY FOR TREES PROPOSED TO REMAIN ONSITE, DUE TO CLEARANCE, SAFETY OR FOR CONSTRUCTION RELATED REASONS THE PRUNING SHALL BE PERFORMED BY AN ISA OR ASCA CERTIFED ARBORIST IN ACCORDANCE WITH THE LATEST VERSION OF THE ANSI A-300 PRUNING STANDARDS AND GOOD HORTICULTURAL PRACTICES. THE CITY URBAN FORESTER SHALL BE PROVIDED WITH A WRITTEN COPY OF THE PROPOSED PRUNING PLAN INCLUDING THE REASONS WHY PRUNING IS NECESSARY, PRIOR TO THE PRUNING ACTVITIES TAKING PLACE.
- 4. ANY ROOT PRUNING, IF REQUIRED DURING THE PROJECT, SHALL BE CONDUCTED UNDER THE SUPERVISION OF AN ISA CERTIFIED ARBORIST OR ACSA CONSULTING ARBORIST. ANY ROOT PRUNING, IF REQUIRED, WILL BE LIMITED TO WHAT IS ABSOLUTELY NECESSARY FOR CONSTRUCTION. ADDITIONALLY, AND ROOT PRUNING WORK WILL BE DOCUMENTED WITH COLOR PICTURES AND PROVIDED TO MR. MARK WILLIAMS AT C.M.B. PUBLIC WORKS / GREENSPACE MANAGEMENT + MR. RICARDO GUZMAN AT C.M.B. PLANNING + ZONING DEPARTMENTS ON A REGULAR BASIS.



CHRISTOPHER CAWLEY | CC LANDSCAPE ARCHITECTURE LLC | L A

Telorida Landscape Architecture Business LC 26000460
780 NE 69th Street | Suite 1106 | Miami, FL 33138
O 786.534.5327 | C 305.979.1585 | www.christophercawley.com

ARCHITECTURE+PLANNING

7580 NE 4th COURT MIAMI, FL 33138

1717

PROJECT:





MIAMI BEACH,
FLORIDA

DRAWING:

DEMOLITION PLAN

CHRISTOPHER CAWLEY, RLA

SEAL

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R E V I S I O N S

REV# D A T E D E S C R I P T I O N

08.19.19 FPL VARIANCE SUBMITTA

CHECK: AS SHOWN

CHECK: CC / LM

DATE: 02/27/2019

PROJECT NO.: 1717
SHEET NUMBER

1200

L2.00



31ST ST.

KEY	SYMBOL	DESCRIPTION	QTY.	COLOR	FINISH
STONE	E + PAVERS				
В		EXISTING CONCRETE PAVER TO REUTILIZE IN POOL DECK AREA. PRESSURE WASH + CLEAN	+/- 1,000 SF	MATCH EXISTING RED	NON-SLIP
B1		SCORED CAST IN PLACE CONCRETE WITH A SHELL STONE / EXPOSED AGGREGATE FINISH.	+/- 1,700 SF	NATURAL GRAY	LIGHTLY BLASTED NON-SLIP
K		NEW TILES TO BE SELECTED	+/- 1,500 SF		NON-SLIP
0		FLORIDA SEA SHELL SMALL OLIMAR	+/- 850 SF		

HARDSC	$\Delta PF + I$	AYOUT	PI AN I	FGFND

G NEW 6' HEIGHT POOL GATE + PERIMETER WIRE GRID FENCE +/- 40 LF

A 5' HT CHAINLINK FENCE, VINYL COATED BLACK +/- 70 LF	H STORAGE AREA
B EXISTING CONCRETE PAVER TO BE RE-UTILIZED FOR POOL DECK +/- 1,000 SF PRESSURE CLEAN AND RESET / ALTERNATE QUARTZSTONE PAVERS BY TREMRON	NEW NATURAL STONE EDGING AROUND PERIMETER OF FRONT GARDEN APPROXIMATELY +/- 130 LF SEE DETAIL ON SHEET L3.01
SCORED CAST IN PLACE CONCRETE WITH A SHELL STONE / EXPOSED AGGREGATE FINISH +/- 1,700 SF. PROVIDE SAMPLE FOR OWNER APPROVAL	NEW STONE TILES TO BE SELECTED +/- 1,500 SF
NEW OOLITIC LIMESTONE SHOWER COLUMN 18"x18"x7'HT, STONE CONTRACTOR TO PROVIDE SHOP DRAWING + PLUMBING FIXTURES TO BE SELECTED REFER TO PLUMBING PLANS FOR ADDITIONAL INFORMATION, REFER TO STRUCTURAL PLANS	NEW DECORATIVE POOL GATE ATTACHED TO EXISTING WALL. SEE DETAIL SHEET L3.01
FOR FOOTING	M NEW VEHICULAR SLIDING GATE SEE DETAIL SHEET L3.01
EXISTING WALL REPAIR AND PAINT DARK GRAY TO DISAPPEAR INTO LANDSCAPING	N EXISTING TERRACE WITH LOW WALL AND DECORATIVE BALUSTRADE
EXISTING 6" CURB REPAIR AS NECESSARY	FLORIDA SEA SHELL SMALL +/- 850 SF
EXISTING POOL TO REMAIN. NEW DIAMOND BRIGHT FINISH + NEW WATER TILE TBS CONTRACTOR TO PROVIDE NEW POOL SHOP DRAWINGS FOR APPROVAL	or OTHER APPROVED AGGREGATE TBS BY OWNER

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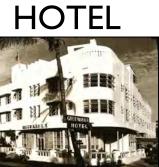
Florida Landscape Architecture Business LC 26000460 HARDSCAPE + LAYOUT PLAN

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7580 NE 4th COURT MIAMI, FL 33138

1717

PROJECT: **GREENBRIER**



3101 Indian Creek Drive MIAMI BEACH, **FLORIDA**

DRAWING:

HARDSCAPE + LAYOUT PLAN

CHRISTOPHER CAWLEY, RLA Florida License LA 6666786

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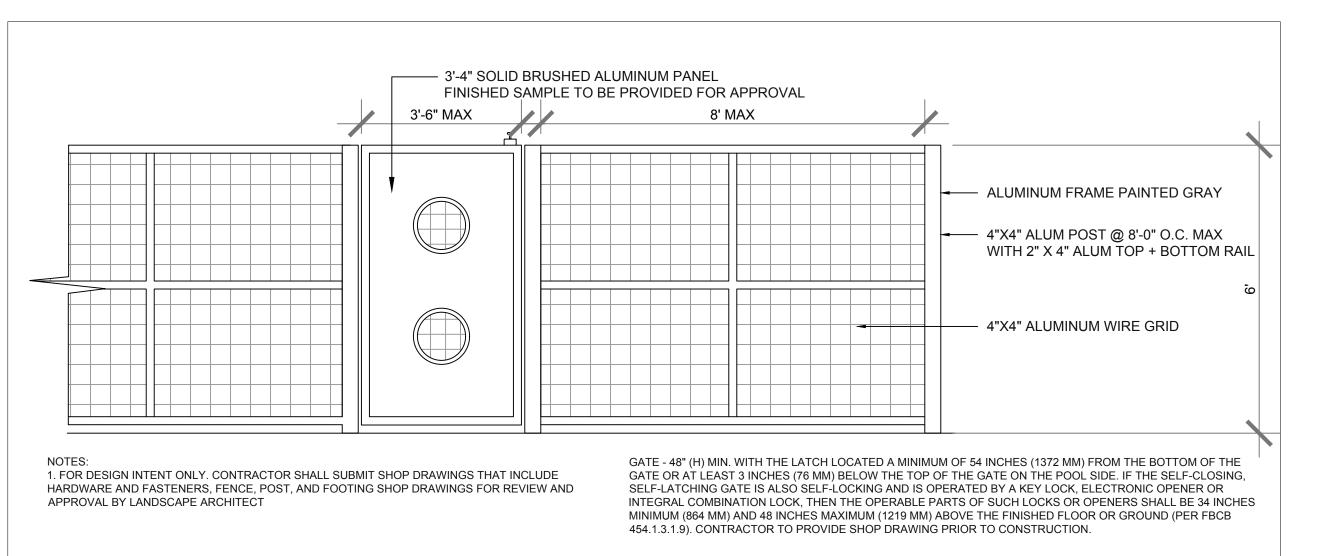
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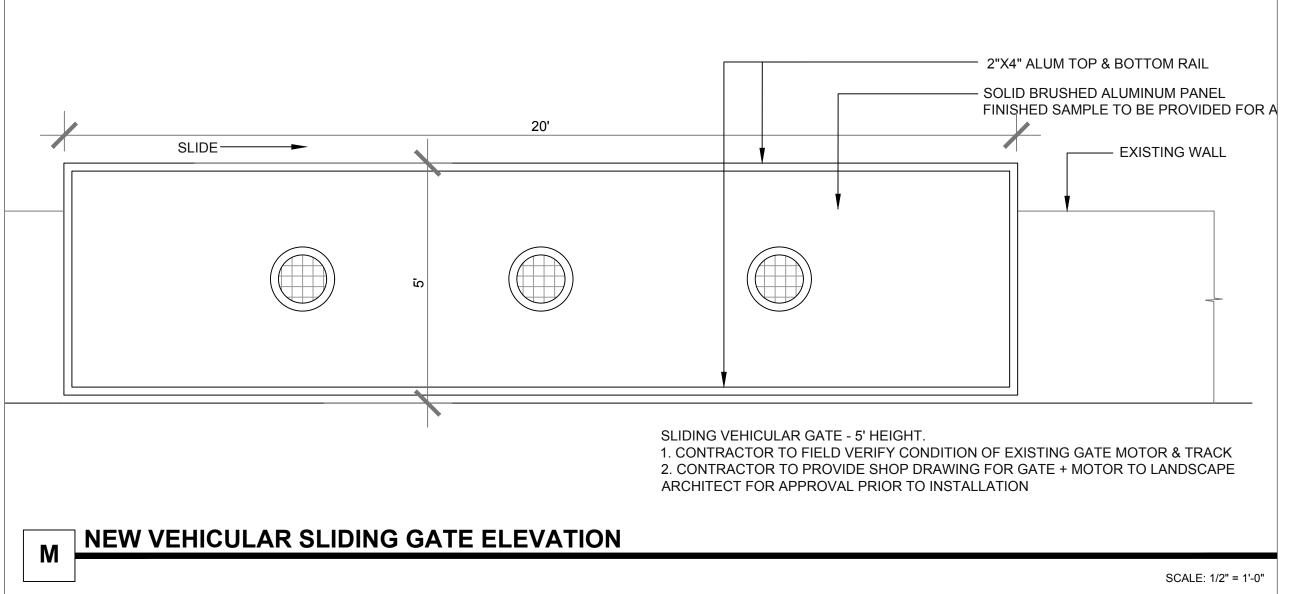
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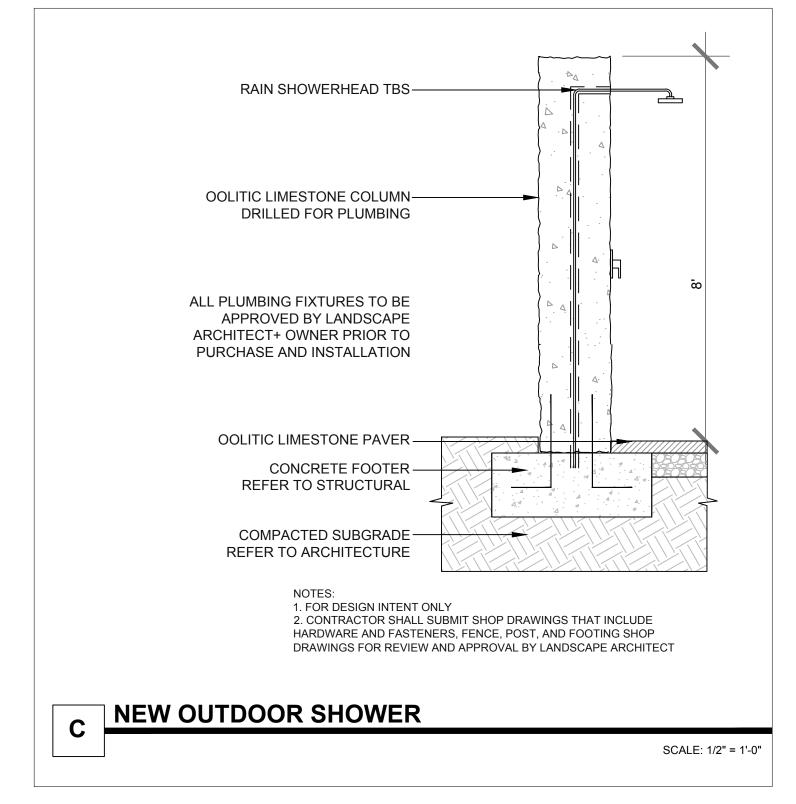
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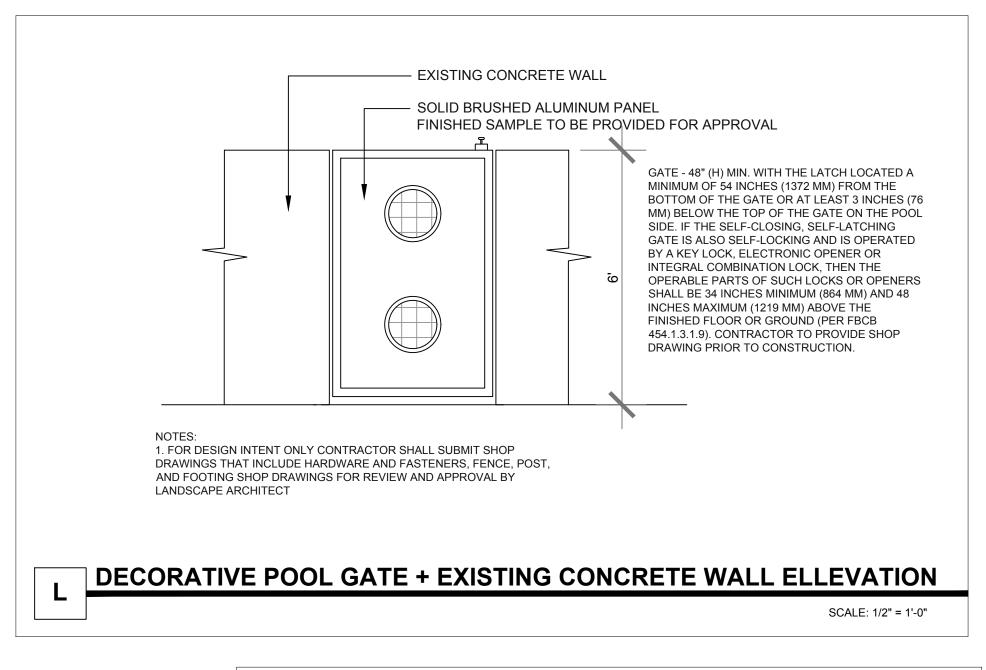
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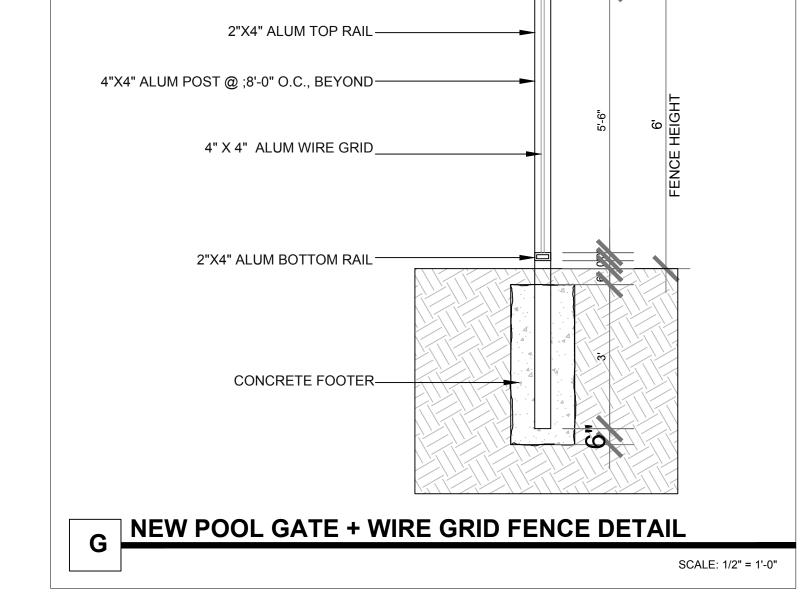


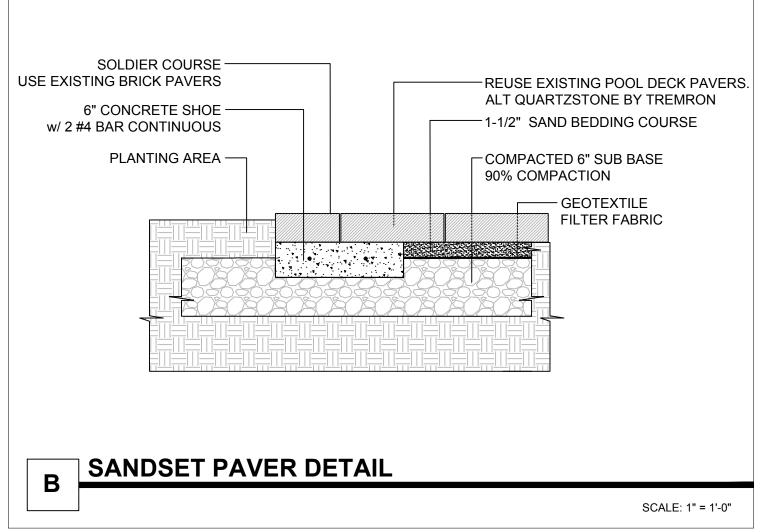


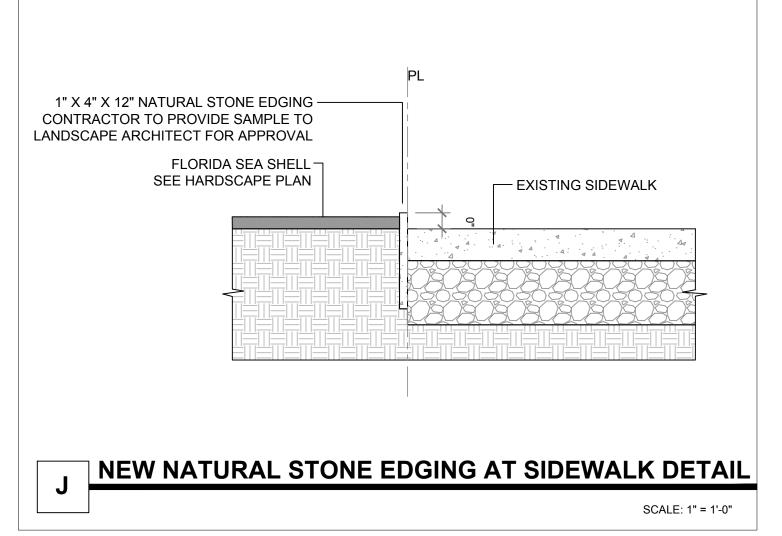
G NEW POOL GATE + PERIMETER WIRE GRID FENCE ELEVATION



SCALE: 1/2" = 1'-0"







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780 NE 69th Street | Suite 1106 | Miami, FL 33138

ARCHITECTURE+PLANNING

7580 NE 4th COURT MIAMI, FL 33138

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PROJECT: GREENBRIER



3101 Indian Creek Drive MIAMI BEACH, FLORIDA

DRAWING:

HARDSCAPE + LAYOUT PLAN DETAILS

SEAL

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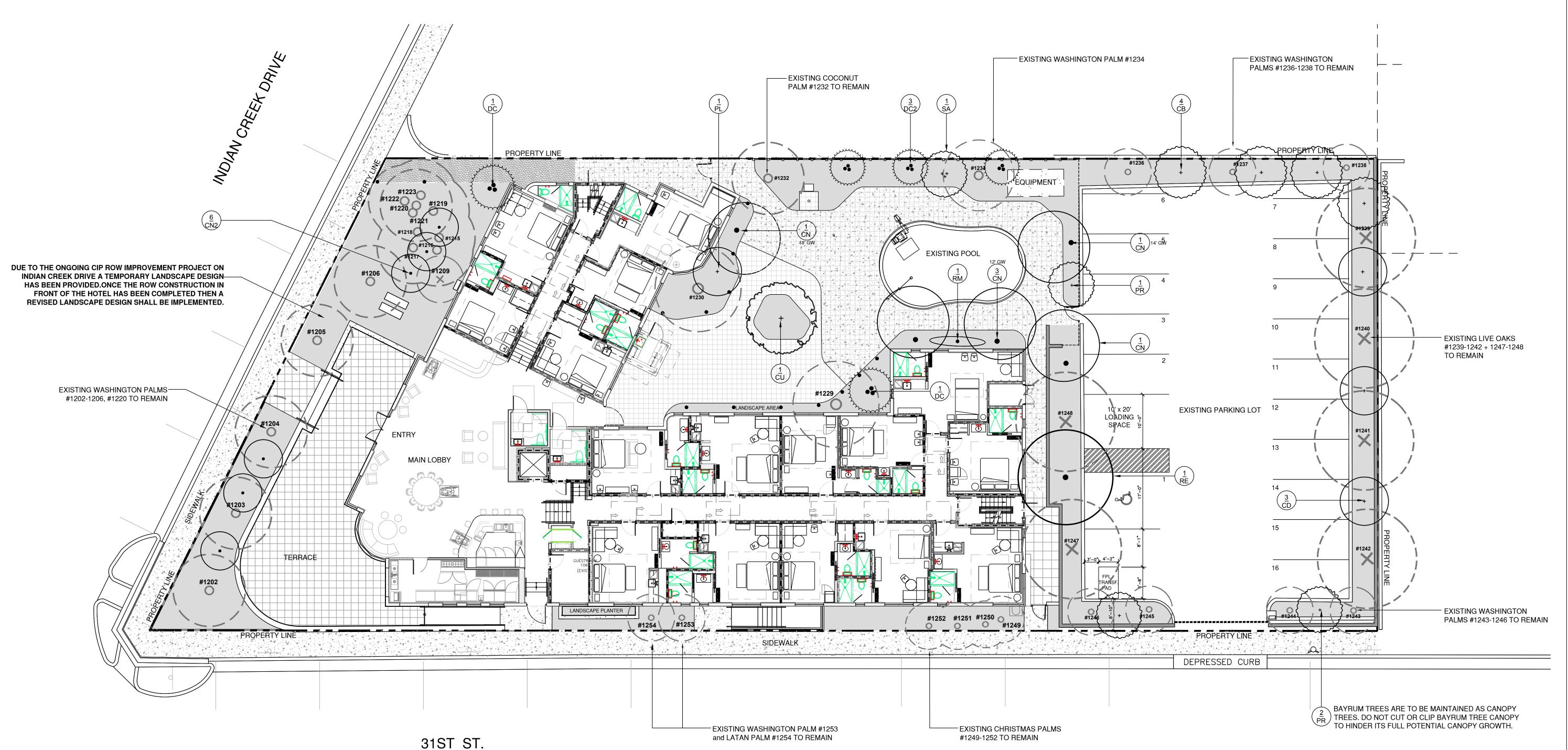
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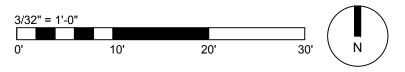
SHEET NUMBER

L3.01



INDIAN CREEK DRIVE: FRONTAGE LANDSCAPE DESIGN

DUE TO THE ONGOING CIP ROW IMPROVEMENT PROJECT ON INDIAN CREEK DRIVE A TEMPORARY LANDSCAPE DESIGN HAS BEEN PROVIDED.ONCE THE ROW CONSTRUCTION IN FRONT OF THE HOTEL HAS BEEN COMPLETED THEN A REVISED LANDSCAPE DESIGN SHALL BE IMPLEMENTED.



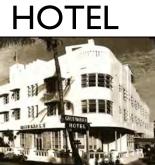
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Florida Landscape Architecture Business LC 26000460 780 NE 69th Street | Suite 1106 | Miami, FL 33138 O 786.534.5327 | C 305.979.1585 | www.christophercawley.com ARCHITECTURE+PLANNING

7580 NE 4th COURT MIAMI, FL 33138

1717

PROJECT: GREENBRIER



3101 Indian Creek Drive MIAMI BEACH, FLORIDA

DRAWING:

OVERSTORY CANOPY PLANTING PLAN

SEAL

CHRISTOPHER CAWLEY, RLA Florida License LA 6666786

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REVISIONS

REV# DATE DESCRIPTION

06.10.19 OWNER REVISION

07.01.19 URBAN FORESTRY RE\
08.19.19 FPL VARIANCE SUBMITTAL

SCALE: AS SHOWN

CHECK: CC / LM

DATE: 02/27/2019

PROJECT NO.: 1717

SHEET NUMBER

L4.00

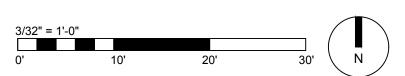
OVERSTORY CANOPY PLANTING PLAN



INDIAN CREEK DRIVE: FRONTAGE LANDSCAPE DESIGN

DUE TO THE ONGOING CIP ROW IMPROVEMENT PROJECT ON INDIAN CREEK DRIVE A TEMPORARY LANDSCAPE DESIGN HAS BEEN PROVIDED.ONCE THE ROW CONSTRUCTION IN FRONT OF THE HOTEL HAS BEEN COMPLETED THEN A REVISED LANDSCAPE DESIGN SHALL BE IMPLEMENTED.

NEW FPL TRANSFORMER
SCREENED ON SOUTH + WEST SIDE
BY 5' CLUSIA GUTTIFERA SHRUB



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UNDERSTORY PLANTING PLAN

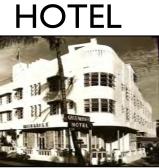
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LANDSCAPE NOTES

- 1. ALL PLANT MATERIAL SHALL BE FLORIDA GRADE NO. 1 OR BETTER.
- 2. CONTRACTOR SHALL BECOME FAMILIAR WITH THE LOCATION OF, AVOID, AND PROTECT ALL UTILITY LINES, BURIED CABLES, AND OTHER UTILITIES.
- 3. TREE, PALM, ACCENT AND BED LINES ARE TO BE LOCATED IN THE FIELD AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.

ANY CHANGES TO R.O.W. (RIGHT OF WAY) MATERIAL IN REGARDS TO PLACEMENT OF SPECIES SHALL REQUIRE THE APPROVAL AND CONSULTATION OF THE CITY URBAN FORESTER AND OR CITY STAFF.

4. ALL PLANTING SOIL SHALL BE 50:50 TOPSOIL:SAND MIX, FREE OF CLAY, STONES, ROCKS, OR OTHER FOREIGN MATTER.

CARE SHALL BE TAKEN TO AVOID PLACEMENT OF CONSTRUCTION FILL, GRAVEL, AND OR DEBRIS OVER THE ROOTBALLS OF INSTALLED OR EXISTING TREES AND OR PALMS ON SITE.

THIS SPECIFICATION INCLUDES ALL BACKFILL FOR BERMS AND OTHER LANDSCAPE AREAS.

GROUNDCOVER PLANTING BEDS:

6" DEPTH PLANTING SOIL SPREAD IN PLACE- THROUGHOUT.

SHRUB AND HEDGE PLANTING AREAS:

12" DEPTH PLANTING SOIL SPREAD IN PLACE- THROUGHOUT.

TREES, PALMS, SPECIMEN PLANT MATERIAL LOCATIONS: REMOVE ALL LIMEROCK PRESENT TO A DEPTH OF AT LEAST 30"BEFORE PLACING NEW PLANTING SOIL. APPLY NEW CLEAN PLANTING SOIL IN PLANTING AREA AS REQUIRED

- 5. THE SITE CONTRACTOR SHALL BE RESPONSIBLE TO BRING ALL GRADES TO WITHIN 2" OF FINAL GRADES. THIS SHALL INCLUDE A 2" APPLICATION OF 50:50 TOPSOIL:SAND MIX FOR ALL LANDSCAPE AND AREAS TO BE SODDED.
- 6. THE LANDSCAPE CONTRACTOR SHALL CALCULATE AND SUBMIT AN ITEMIZED PRICE FOR THE 2" APPLICATION OF 50:50 MIX FOR ALL SOD AREAS AS A REFERENCE IN THE CASE THAT THERE WOULD BE A DISCREPANCY BETWEEN SITE AND LANDSCAPE CONTRACTORS AND NOTIFY THE SITE CONTRACTOR OR PROJECT SUPERINTENDENT AS TO THIS DISCREPANCY. IT WILL THEN BE DETERMINED WHICH PARTY WILL PROVIDE THIS 2" TOPSOIL:SAND APPLICATION AND SUBSEQUENT PAYMENT.OTHER PLANTING SOIL MIXES TO BE ADDED, I.E. FOR TREES, PALMS, SPECIMEN PLANTS, SHRUBS AND GROUNDCOVERS SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR AND BE INCLUSIVE WITH THE LANDSCAPE BID.
- 7. ALL EXISTING TREE + PALM INFORMATION THAT HAS BEEN PROVIDED ON THIS PLAN FOLLOWS THE MIAMI DADE COUNTY E.R.M. TREE PERMITTING GUIDELINES. ANY TREES or PALMS CONSIDERED INVASIVE OR THAT FALLS UNDER THE TREE PERMIT EXEMPTION / PROHIBITED SPECIES LIST 24-94 (4) MAY NOT BE SHOWN FOR CLARITY PURPOSES. ANY DISCREPANCIES IF NOTED UPON FURTHER FIELD INSPECTION SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE LANDSCAPE ARCHITECT.
- 8. IRRIGATION SHALL PROVIDE FOR A 100% COVERAGE WITH 50% OVERLAP MINIMUM AND BE PROVIDED BY A FULLY AUTOMATIC IRRIGATION SYSTEM W/ RAIN MOISTURE SENSOR ATTACHED TO CONTROLLER. ALL FLORIDA BUILDING CODE APPENDIX "F" IRRIGATION REQUIREMENTS SHALL BE STRICTLY ADHERED TO FOR INSTALLATION AND PREVAILING WATER MANAGEMENT DISTRICT RESTRICTIONS AND REGULATIONS SHALL BE IN COMPLIANCE FOR POST-INSTALLATION WATERING SCHEDULES.CONTRACTOR SHALL COORDINATE WITH THE IRRIGATION CONTRACTOR AND LEAVE PROVISIONS FOR ALL SLEEVING AND PIPE ROUTING. ALL UNDERGROUND UTILITIES TO BE LOCATED BY DIALING 811 AS REQUIRED BY

- 9. ALL PLANTING BEDS SHALL BE MULCHED TO A DEPTH OF 2" WITH APPROVED NATURAL SHREDDED COCO BROWN MULCH MULCH FREE FROM WEEDS AND PESTS. NO 'NUGGETS', 'CYPRESS MULCH' OR 'RED DYED MULCH' TO BE ACCEPTED. KEEP MULCH 6" AWAY FROM TREE OR PALM TRUNKS AS PER INDUSTRY RECOMMENDATIONS.
- 10. SOD SHALL BE 'EMPIRE TURF' ZOYSIA GRASS IN ALL LAWN AREAS AS SHOWN ON THE PLANS. SOD SHALL BE STRONGLY ROOTED, FREE FROM WEED, FUNGUS, INSECTS AND DISEASE. CONTRACTOR SHALL SOD ALL AREAS AS INDICATED ON THE PLANS OR AS DIRECTED. PAYMENT SHALL BE DETERMINED BY THE TOTAL MEASURED SODDED AREAS X THE UNIT PRICE SUBMITTED AND FIELD VERIFIED. SOD SHALL CARRY A 5-MONTH WARRANTY.
- 11. ALL TREES, PALMS, SHRUBS AND GROUNDCOVERS, AND SOD / LAWN SHALL CARRY A ONE-YEAR WARRANTY FROM THE DATE OF FINAL ACCEPTANCE.
- 12. ALL TREES AND PALMS SHALL BE STAKED PER ACCEPTED STANDARDS BY THE FLORIDA NURSERYMEN & GROWERS LANDSCAPE ASSOCIATION (FNGLA) AND ANSI A-300 (PART 6)-2012 TREE, SHRUB, AND OTHER WOODY PLANT MANAGEMENT STANDARD PRACTICES (PLANTING AND TRANSPLANTING). CONTRACTOR SHALL ENSURE THAT THE PLANS, DETAILS, SPECIFICATIONS AND NOTES HAVE BEEN ADHERED TO AND THAT THE LANDSCAPE AND IRRIGATION INSTALLATION IS COMPLIANT TO ALL ITEMS AS DIRECTED ON THE PLANS PRIOR TO SCHEDULING OF THE FINAL
- 13. THE PLANT LIST IS INTENDED ONLY AS AN AID TO BIDDING. ANY DISCREPANCIES FOUND BETWEEN THE QUANTITIES ON THE PLAN AND PLANT LIST, THE QUANTITIES ON THE PLAN SHALL BE HELD VALID.
- 14. FERTILIZATION: ONE COMPLETE APPLICATION OF GRANULAR FERTILIZER SHALL BE APPLIED PRIOR TO FINAL ACCEPTANCE AND APPROVAL BY THE LANDSCAPE ARCHITECT. FERTILIZER SHALL BE SCOTTS AGRIFORM 20-10-5 PLANTING TABS OR APPROVED EQUAL AS RECOMMENDED BY LANDSCAPE CONTRACTOR
- 15. SHOULD ANY TREES OR PALMS BE DAMAGED THEY SHALL BE EVALUATED BY THE CITY URBAN FORESTER TO DETERMINE CORRECTIVE ACTIONS THAT MAY INCLUDE REMOVAL, CORRECTIVE PRUNING AND OR REPLACEMENT. ANY CORRECTIVE ACTION REQUIRED SHALL BE PERFORMED IN ACCORDANCE WITH A MIAMI DADE COUNTY CODE, ANSI-A 300 PRUNING STANDARDS AND OR AN ISSUED ERM TREE PERMIT OR ENVIRONMENTAL PERMIT. ANY CORRECTIVE PRUNIING REQUIRED SHALL BE PERFORMED BY AN ISA CERTIFIED ARBORIST OR ASCA CONSULTING ARBORIST AND THE CITY **URBAN FORESTER SHALL BE CONSULTED.**
- 16. ALL TREES + PALMS TO REMAIN OR BE RELOCATED ON SITE IN THE VICINITY OF CONSTRUCTION ACTIVITIES, SHALL BE PROTECTED THROUGH THE USE OF TREE PROTECTION BARRICADES INSTALLED AT THE TREE OR PALM DRIP LINE. A TREE PROTECTION FENCE SHALL BE CONSTRUCTED PRIOR TO ANY CONSTRUCTION ACTIVITY INCLUDING GRUBBING AND SHALL REMAIN IN PLACE UNTIL ON SITE CONSTRUCTION HAS BEEN COMPLETED.
- 17. CITY OF URBAN FORESTER AND OR PLANNING DEPARTMENT STAFF TO APPROVE ROW TREES BEFORE THEY ARE
- 18. MULCH SHALL NOT BE APPLIED WITHIN 6" OF ANY TREE OR PALM TRUNK THAT IS INSTALLED OR INCORPORATED INTO THE PROJECT. FOR ROW TREES + PALMS, ALL MULCH SHALL BE AMERIGROW 'PREMIUM PINEBARK BROWN' SHREDDED **MULCH OR A CITY APPROVED ALTERNATIVE.**
- 19. BAYRUM TREES TO BE MAINTAINED AS CANOPY SHADE TREES. DO NOT CUT OR CLIP CANOPY OF BAYRUM TREES TO LIMIT ITS FULL CANOPY GROWTH AND POTENTIAL

IRRIGATION NOTES

- 1. IRRIGATION CONTRACTOR SHALL PROVIDE, FURNISH, AND INSTALL A FULLY AUTOMATIC IRRIGATION SYSTEM WHICH WILL COMPLY WITH ALL LOCAL CODE, STATE CODE, & WATER MANAGEMENT DISTRICT (SWFMD) REQUIREMENTS.
- 2. THE IRRIGATION CONTRACTOR SHALL SCHEDULE AN ON-SITE PRE-CONSTRUCTION CONFERENCE WITH THE OWNER AND THE OWNER'S AUTHORIZED REPRESENTATIVE PRIOR TO COMMENCEMENT OF INSTALLATION OF THE IRRIGATION
- 3. CONTRACTOR SHALL INSTALL POP-UP TYPE HEADS. SPRAY TYPE SHALL BE ROTOR, IMPACT, SPRAY, OR BUBBLER AND SHALL BE INSTALLED SO AS NOT TO CAUSE ANY OVERSPRAY ONTO ANY PAVED SURFACES, I.E. ROADS, SIDEWALKS, ETC. ALL FIXTURES SHALL BE "TORO", "RAINBIRD" OR AN APPROVED EQUAL. ALL WORK SHALL BE DONE IN A PROFESSIONAL MANNER AS PER MANUFACTURER'S SPECIFICATIONS.
- 4. ALL MAIN SUPPLY LINE SHALL BE PVC SCHEDULE 40 PIPE. ALL PVC FITTINGS SHALL BE SCHEDULE 40. THE MAINLINE IS SHOWN SCHEMATICALLY. LOCATE MAIN LINES IN LANDSCAPE AREAS WHERE POSSIBLE AND SLEEVE UNDER PAVEMENT WHERE NECESSARY. MAINLINES SHALL BE IN THE SAME TRENCH WITH THE LATERAL LINES WHERE POSSIBLE.
- 5. CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE LOCATION OF AND AVOID & PROTECT ALL UTILITY LINES, DUCTS, BURIED CABLES AND OTHER UTILITIES IN THE AREA. CONTRACTOR WILL BE RESPONSIBLE FOR THE REPAIR, LIABILITY, AND COSTS INCURRED IN THE DAMAGE OR DESTRUCTION OF SAID UTILITIES. CALL SUNSHINE STATE ONE CALLS 811, 48 HOURS PRIOR TO COMMENCEMENT OF ANY WORK FOR PROPER UTILITY LOCATION AND CLEARANCES.
- 6. THE CONTRACTOR SHALL SECURE ALL WORK WITH THE PROJECT MANAGER, LANDSCAPE CONTRACTOR AND ALL OTHER CONTRACTORS TO INSURE PROPER INSTALLATION, SCHEDULING, AND PROCEDURE.
- 7. THE CONTRACTOR SHALL COORDINATE WITH THE PROJECT MANAGER TO PROVIDE ELECTRICAL SUPPLY TO THE CONTROLLER, PUMP, ETC. AS NEEDED.
- 8. THE CONTRACTOR SHALL BE RESPONSIBLE TO SECURE ALL PERMITS AS MAY BE DEEMED NECESSARY TO PERFORM THE WORK. ENTIRE SYSTEM SHALL BE INSTALLED IN COMPLIANCE WITH ALL LOCAL AND STATE CODES.

- ALL SLEEVES UNDER PAVEMENT SHALL BE BURIED PER FLORIDA BUILDING CODE, APPENDIX "F". ALL LATERAL SLEEVES UNDER SIDEWALKS SHALL BE BURIED BELOW WALKWAYS AND SHALL BE SCHEDULE 40 PVC. ALL SLEEVING SHALL BE SCHEDULE 40 PVC PIPE AND SHALL BE 2 TIMES THE MAIN OR LATERAL PIPE SIZE.
- 10. THE CONTRACTOR SHALL CONNECT THE MASTER VALVE (WHEN APPLICABLE) AND ALL ELECTRIC VALVES TO THE CONTROLLER AND PROVIDE PROPER SYNCHRONIZATION.
- 11. ALL LOW VOLTAGE ELECTRIC VALVES SHALL BE #14 DIRECT BURIAL. ALL WIRES UNDER ROADS TO BE PLACED IN A SPERARATE 1" SLEEVE. CONTRACTOR SHALL PROVIDE A MINIMUM OF TWO EXTRA WIRES FOR EMERGENCY POST INSTALLATION WIRING.
- 12. ALL LINE LOCATIONS ARE APPROXIMATE. THE CONTRACTOR SHALL ADJUST TRENCHING AND LOCATION OF SPRAY HEADS IN THE FIELD FOR EXISTING CONDITIONS, WALKS, UTILITIES, STRUCTURES, AND PLANTINGS TO PROVIDE AND INSURE 100% COVERAGE AND 100% OVERLAP.
- 13. CONTRACTOR SHALL PROVIDE A ONE-YEAR GUARANTEE ON ALL PARTS AND A 90 DAY GUARANTEE ON LABOR FROM THE DATE OF FINAL ACCEPTANCE...
- 14. THE IRRIGATION CONTRACTOR SHALL RECORD ALL CHANGES MADE TO THE IRRIGATION SYSTEM DURING INSTALLATION, AND PROVIDE AN AS-BUILT DRAWING O THE OWNER'S REPRESENTATIVE UPON COMPLETION AND ACCEPTANCE OF THE
- 15. THE IRRIGATION CONTRACTOR SHALL INSTRUCT THE OWNER OR THE OWNER'S REPRESENTATIVE IN THE COMPLETE OPERATION AND MAINTENANCE OF THE SYSTEM. THE CONTRACTOR SHALL FURNISH TWO COPIES OF AN IRRIGATION SYSTEM MANAGEMENT MANUAL PREPARED BY THE MANUFACTURER AND THE SYSTEM INSTALLER

GENERAL NOTES

- 1. SWIMMING POOL + OUTDOOR SHOWER TO HAVE ALL EQUIPMENT REQUIRED TO OPERATE INCLUDING BUT NOT LIMITED TO: JETS, DIFFUSERS, PUMPS, SUBMERSIBLE LIGHTS, FILTERS, HEATER (GAS), TRANSFORMERS, JUNCTION BOXES, FILLERS, CONTROLLERS, WIND CONTROL MECHANISMS, WATER LEVEL CONTROL, DRAINS, OVERFLOW, VENTILATION FANS, ALL EQUIPMENT ROOM REQUIREMENTS, VACUUM LINES, BRUSHES, CLEANING HOSES, ETC. CONTRACTOR TO PROVIDE SHOP DRAWINGS FOR APPROVAL.
- 2. ALL POOL GATES TO BE 48" (H) MIN. WITH THE LATCH LOCATED A MINIMUM OF 54 INCHES (1372 MM) FROM THE BOTTOM OF THE GATE OR AT LEAST 3 INCHES (76 MM) BELOW THE TOP OF THE GATE ON THE POOL SIDE. IF THE SELF-CLOSING. SELF-LATCHING GATE IS ALSO SELF-LOCKING AND IS OPERATED BY A KEY LOCK, ELECTRONIC OPENER OR INTEGRAL COMBINATION LOCK, THEN THE OPERABLE PARTS OF SUCH LOCKS OR OPENERS SHALL BE 34 INCHES MINIMUM (864 MM) AND 48 INCHES MAXIMUM (1219 MM) ABOVE THE FINISHED FLOOR OR GROUND (PER FBCB 454.1.3.1.9). CONTRACTOR TO PROVIDE SHOP DRAWING PRIOR TO CONSTRUCTION.
- 3. CONTRACTOR TO SUBMIT SAMPLES OF ALL MATERIALS AND FINISHES TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO ORDERING AND INSTALLING.
- 4. CONTRACTOR SHALL COORDINATE WITH LANDSCAPE ARCHITECT, OWNER, AND OTHER JOB CONTRACTORS TO SMOOTHLY IMPLEMENT THE PROJECT.
- 5. CONTRACTOR SHALL VERIFY LOCATION OF PROPOSED UTILITIES AND SERVICES WITH RESPECT TO PROPOSED OR EXISTING LANDSCAPING. PROPOSED PLANT MATERIAL LOCATION SHALL TAKE PRECEDENCE WHEN DETERMINING UNDERGROUND PIPING AND UTILITY ROUTES. AVOID ALL AREAS EXPECTED TO ENCOUNTER ROOT BALLS OF LARGE PLANT MATERIALS AND PROVIDE THE CLEARANCE NECESSARY TO INSTALL ALL PROPOSED MATERIALS.
- 6. ALL HORIZONTAL WALKING SURFACES SHALL HAVE A SKID RESISTANT FINISH, WET OR DRY.

- 7. ALL STONE CUTTING SHALL BE DONE IN DESIGNATED STAGING AREA. PROTECT ALL ADJACENT PLANT MATERIALS, SOIL, AND FINISHED SURFACES FROM DUST, DEBRIS, AND CONSTRUCTION ACTIVITY. DISPOSE OF ANY WASTE MATERIALS IN SUITABLE CONTAINERS AWAY FROM PLANTING AREAS. CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVING ALL CEMENT CONTAMINATED SOIL FROM THE SITE AND REPLACE WITH CLEAN APPROVED FILL.
- 8. VERIFY ALL PAVING MATERIALS, PATTERNS, AND FINISHES WITH OWNER AND LANDSCAPE ARCHITECT.
- 9. CONCRETE UNIT PAVERS CONTRACTOR SHALL PROVIDE A MINIMUM 5' X 5' SAMPLE OF THE SPECIFIED COLOR FOR EACH PAVER PATTERN SPECIFIED PRIOR TO ORDERING MATERIALS FOR THE JOB. THE PAVER SAMPLE SHALL BE REVIEWED BY LANDSCAPE ARCHITECT AND OWNER FOR FINAL APPROVAL.
- 10. ANY SUBSTITUTIONS IN SIZE AND / OR PLANT SPECIES MUST BE APPROVED BY LANDSCAPE ARCHITECT OR OWNER PRIOR TO MODIFICATION OF THE CONTRACT, PURCHASING AND DELIVERY OF PLANTS. ALL PLANTS WILL BE SUBJECT TO APPROVAL BY LANDSCAPE ARCHITECT AND / OR OWNER'S REPRESENTATIVE BEFORE PLANTING CAN BEGIN. ALL PLANT MATERIALS WILL NOT INCLUDE ANY PLANTS CONSIDERED TO BE INVASIVE BY THE CITY OF MIAMI BEACH.
- 11. LANDSCAPE CONTRACTOR SHALL CLEAN THE WORK AREAS AT THE END OF EACH WORKING DAY. RUBBISH AND DEBRIS SHALL BE COLLECTED AND DEPOSITED OFF SITE OR IN AN APPROVED DISPOSAL AREA DAILY. ALL MATERIALS, PRODUCTS, AND EQUIPMENT SHALL BE STORED IN AN ORGANIZED FASHION AS DIRECTED BY OWNER'S REPRESENTATIVE.
- 12. PLANT SIZE SPECIFICATIONS TAKE PRECEDENCE OVER CONTAINER SIZE.

PLANT LIST - 3101 INDIAN CREEK DRIVE KEY | QTY. | NATIVE | COMMON NAME **BOTANICAL NAME**

5	TREES					
	СВ	4	NO	BRAZILIAN BEAUTYLEAF TREE	Calophyllum brasiliense	Fg, 12' height min, 5' spread, 5' cleat trunk, standard form,
	CD	3	YES	PIGEON PLUM	Coccoloba diversifolia	65 gallon, 12' height min, 5' spread, 4' clear trunk, standard form
	CU	1	YES	SEA GRAPE	Coccoloba uvifera	50 gallon, 8' height min, 5' spread, standard form
	PL	1	NO	FRANGIPANI	Plumeria rubra	65 gallon, 12' height min, 6' spread, multliform
	PR	3	NO	BAY RUM TREE	Pimenta racemosa	100 gallon, 12' height min, 4' spread, 4' ct, standard form, to be maintained as canopy trees
	PALMS					
	CN	6	NO	COCONUT PALM	Cocos nucifera 'Maypan'	Fg,(5) @14' GW + (1) @8'GW , Florida Fancy, full heads, leaning character trunks.
	CN2	6	NO	COCONUT PALM	Cocos nucifera	1'GW , Florida Fancy, full heads, small baby coconuts
	DC	2	NO	CABADA PALM	Dypsis cabadae	field grown specimen, 16' height, 7 colums min, to be approve by L.A
	DC2	3	NO	CABADA PALM	Dypsis cabadae	field grown, 12' height, full, to be approve by L.A
	RE	1	YES	ROYAL PALM	Roystonea elata	fg, 25' oa, florida fancy, field verify that heads will clear existing Oak Trees
	RM	1	YES	TRAVELERS PALM	Ravenala madagascariensis	12' height, no trunk , perfect 'V'
	RX	13	NO	LADY PALM	Rhapsis excelsa	7 gallon, 4 height
	SHRUBS					
5	CLU	70	NO	SMALL LEAF CLUSIA	Clusia guttifera	5-6' height, full, 24" on center
	PSL	170	YES	DWARF BAHAMA COFFEE	Psychotria ligustrifolia	3 gallon, 2' height, full, 24" on center
	TROPICAL	LS, GRO	JNDCOV	ERS AND ACCENTS		
	ALZ	17	NO	GREEN SHELL GINGER	Alpinia zerumbet	7 gallon, 24" on center
	HEL	56	NO	HELICONIA	Heliconia caribaea	15 gallon, 3' on center
	LIR	955	NO	LILYTURF	Liriope muscari	1 gallon, 18" on center
	MIC	150	NO	WART FERN	Microsorum scolopendrium	3 gallon, 18" height, full, 18" on center
	PBM	92	NO	PHILODENDRON BURLE MARX	Philodendron 'Burle Marx'	7 gallon, 24" height, 24" spread
	PWI	22	NO	PHILODENDRON WILSONI	Philodendron wilsonii	15 gallon, 24" height, 24" spread
	TRD	75	YES	FAKAHATCHEE GRASS	Tripsacum dactyloides	3 gallon, 18" height, spaced 18" on center
	TRJ	18	NO	CONFEDERATE JASMINE	Trachelospermum jasminoides	7 gallon, 4' height trellis trained to coconut palms + wire trellis + new fencing

HEIGHT, SPECIFICATION, & NOTES

FLORIDA SEASHELL SMALL, INSTALLED OVER FILTER FABRIC AND WEED BARRIER MATERIAL / OLIMAR, 2" MIN. DEPTH (+/- 810 SF)

MLC DARK BROWN 'FLORI MULCH' SHREDDED ORGANIC MULCH (NO CYPRESS), TO BE DETERMINED

CONTRACTOR TO PROVIDE IMAGES OF ALL MAJOR PLANT MATERIAL TO LANDSCAPE ARCHITECT AND OWNER FOR APPROVAL BEFORE PURCHASE $\,$ + INSTALLATION. LANDSCAPE CONTRACTOR TO MEET WITH LANDSCAPE ARCHITECT AND OWNER ON SITE TO REVIEW THE PROPOSED DESIGN PRIOR TO SUBMITTING A BID FOR THE PROJECT. THE LANDSCAPE CONTRACTOR IS TO PROVIDE AN ADDITIONAL ALLOWANCE OF \$12,000 DOLLARS FOR POTTED PLANTS + MISCELLANEOUS VEGETATION TO BE SELECTED DURING THE INSTALLATION OF THE PROJECT + FUTURE FRONT LANDSCAPE DESIGN

C.M.B. CANOPY MITIGATION NOTES

THE CANOPY MITIGATION OF 670 SF AS REQUIRED BY THE CITY OF MIAMI BEACH, CHAPTER 46 - ENVIRONMENT, DIVISION 2, TREE PRESERVATION and PROTECTION ORDINANCE HAS BEEN MET AND EXCEEDED. A TOTAL OF 2,700 SF OF CANOPY HAS BEEN PROVIDED

CANOPY MITIGATION SUMMARY

SOD. AGGREGATE & MULCH

- (3) BAY RUM TREE: 900 SF (MB category I @ 300 SF each) - (1) NATIVE SEA GRAPE TREES: 300 SF (MB category I @ 300 SF each)

- (3) NATIVE PIGEON PLUM TREES: 450 SF (MB category II @ 150 SF each) - (4) BRAZILIAN BEAUTYLEAF TREES: 600 SF (MB category II @ 150 SF each)

- (1) FRANGIPANI TREES: 150 SF (MB category II @ 150 SF each)

- (6) PALMS: 300 SF (MB category IV @ 50 SF each)

LANDSCAPE LEGEND

MIAMI BEACH LANDSCAPE ORDINANCE CHAPTER 26 (RM-2 MULTI FAMILY / COMMERCIAL

ZONING: RM-2 **LOT SIZE:** 24,899 SF **ACRES:** .57

TREES REQUIRED: 22 TREES PER ACRE

.57 x 22 = 12.54 = 13 TREES REQUIRED / **18 TREES PROVIDED** (4 BRAZILIAN BEAUTYLEAF TREES + 3 NATIVE PIGEON PLUM TREES + + 1 NATIVE SEA GRAPE TREE + 1 FRANGIPANI TREE + 3 BAY RUM TREE + 6 EXISTING NATIVE LIVE OAK TREES PROVIDED)

DIVERSITY REQUIREMENT

11-15 REQUIRED TREES = 4 TREE SPECIES / 6 SPECIES PROVIDED

NATIVE TREES

30% OF REQUIRED TREES OR .30 X 13 = 4 NATIVE TREES REQUIRED / 10 NATIVE TREES PROVIDED (3 NATIVE PIGEON PLUM TREES + 1 NATIVE SEA GRAPE TREES + 6 EXISTING NATIVE LIVE OAK TREES PROVIDED)

LOW MAINTENANCE TREES

50% OF REQUIRED TREES OR .50 X 13 = 7 LOW MAINTENANCE TREES REQUIRED / 10 LOW MAINTENANCE TREES PROVIDED (3 NATIVE PIGEON PLUM TREES + 1 NATIVE SEA GRAPE TREES + 6 EXISTING NATIVE LIVE OAK TREES PROVIDED)

STREET TREE REQUIREMENT AVERAGE STREET TREE SPACING 20' ON CENTER

INDIAN CREEK DRIVE: 111 LF / 20 = 6 STREET TREES REQUIRED / 6 EXISTING WASHINGTON PALMS PROVIDED

31ST STREET: 200 LF / 20 = 10 STREET TREES REQUIRED / 10 EXISTING PALMS PROVIDED

12 SHRUBS (OR VINES) REQUIRED FOR EACH REQUIRED LOT AND STREET TREE or 12 X (19) = 228 REQUIRED / **240 SHRUBS PROVIDED**

50% OF TOTAL SHRUBS REQUIRED MUST BE NATIVE or .50 X 228 = 114 / 170

NATIVE SHRUBS PROVIDED

LARGE SHRUBS / SMALL TREES

10% OF TOTAL SHRUBS REQUIRED MUST BE LARGE SHRUBS OR SMALL TREES or .10 X 228 = 23 / 70 LARGE SHRUBS PROVIDED

NATIVE LARGE SHRUBS / SMALL TREES

50% OF TOTAL LARGE SHRUBS REQUIRED MUST BE NATIVE or .50 X 23 = 12 / 60 LARGE NATIVE SHRUBS PROVIDED

50% MAXIMUM OF LANDSCAPE AREA: NEW LAWN AREAS ARE LESS THAN 50% OF

LANDSCAPE AREA

100% COVERAGE PROVIDED PURSUANT TO CMB REQUIREMENTS SET IN CHAPTER 126



CHRISTOPHER CAWLEY CC LANDSCAPE ARCHITECTURE LLC LA

Florida Landscape Architecture Business LC 26000460 780 NE 69th Street | Suite 1106 | Miami, FL 33138 O 786.534.5327 | C 305.979.1585 | www.christophercawley.com

7580 NE 4th COURT MIAMI, FL 33138

1717

PROJECT:



3101 Indian Creek Drive MIAMI BEACH

DRAWING:

FLORIDA

LANDSCAPE LEGEND, PLANT LIST + LANDSCAPE **NOTES**

SEAL

CHRISTOPHER CAWLEY, RLA

Florida License LA 6666786

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REVISIONS

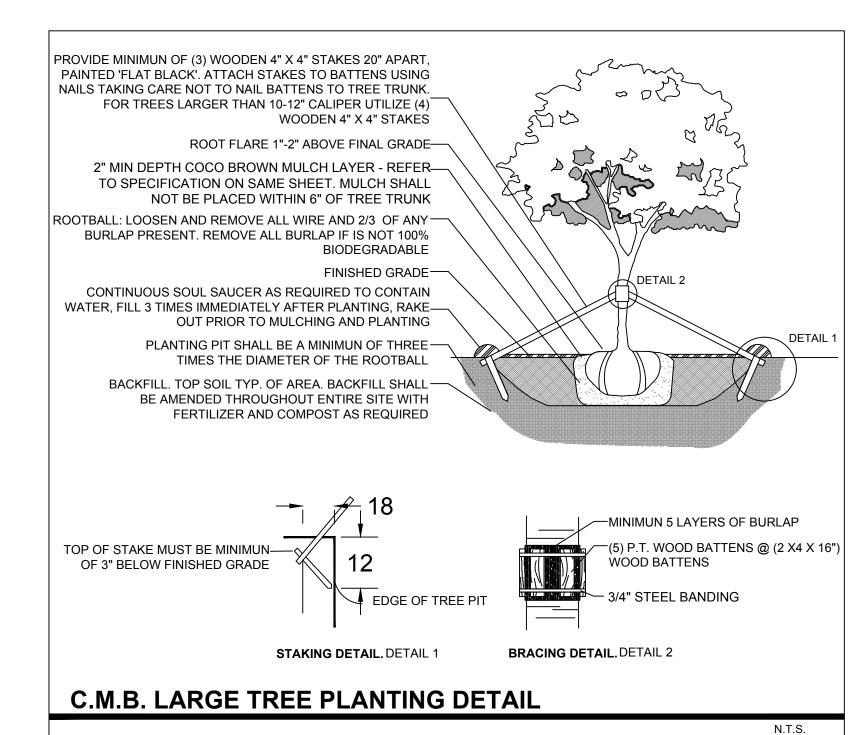
REV# DATE DESCRIPTION 06.10.19 OWNER REVISION 07.01.19 URBAN FORESTRY REV (A) 08.19.19 FPL VARIANCE SUBMITTA

AS SHOWN SCALE: CC / LM CHECK:

02/27/2019

1*7*1*7* PROJECT NO.: SHEET NUMBER

DATE:



EQUAL O.C. DIST.
SEE PLANTLIST
FOR SPECS.

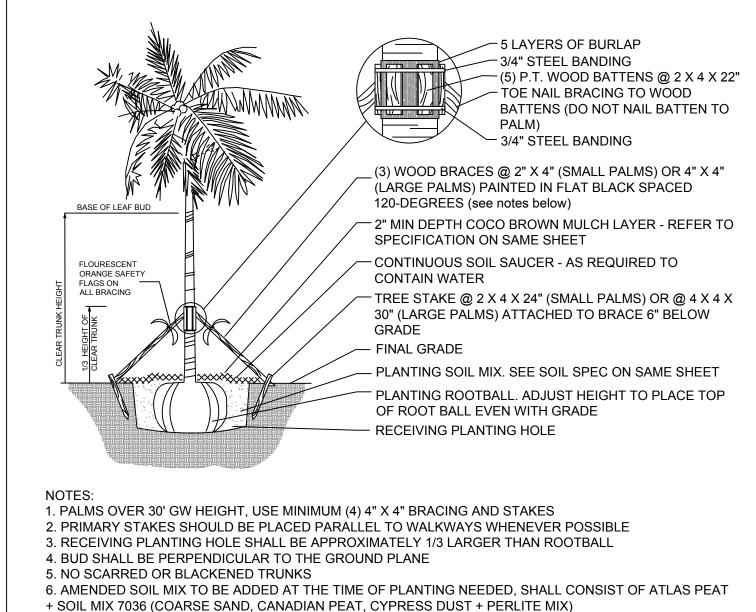
GROUNDCOVERS TO BE STAGGERED AS SHOWN -SPACING BETWEEN ROWS TO BE AT A 60 DEGREE ANGLE OF THE O.C. DISTANCE AS SHOWN

FERTILIZER TO BE APPLIED AT TIME OF PLANTING. FERTILIZER SHALL BE SCOTTS AGRIFORM 20-10-5 PLANTING TABS OR APPROVED EQUAL

2" MIN DEPTH COCO BROWN MULCH LAYER - REFER TO SPECIFICATION ON SAME SHEET. MULCH SHALL BE LEVEL WITH ALL EDGES OF PAVEMENT, TYPICAL
 MULCH SHALL BE LEVEL WITH ALL EDGES OF PAVEMENT TYPICAL

- PLANTING SOIL MIX. SEE SOIL SPEC ON SAME SHEET

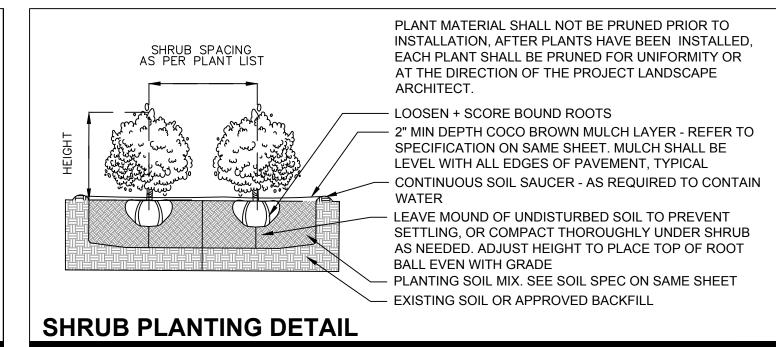
GROUNDCOVER PLANTING DETAIL



C.M.B. PALM PLANTING DETAIL

N.T.S.

N.T.S.



CHRISTOPHER CAWLEY, RLA Florida License LA 6666786

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SEAL

7580 NE 4th COURT

MIAMI, FL 33138

1717

PROJECT:

GREENBRIER

HOTEL

3101 Indian Creek Drive

MIAMI BEACH,

FLORIDA

DRAWING:

LANDSCAPE

PLANTING

DETAILS

REVISIONS

REV# DATE DESCRIPTION

08.19.19 FPL VARIANCE SUBMITTAL

SCALE: AS SHOWN

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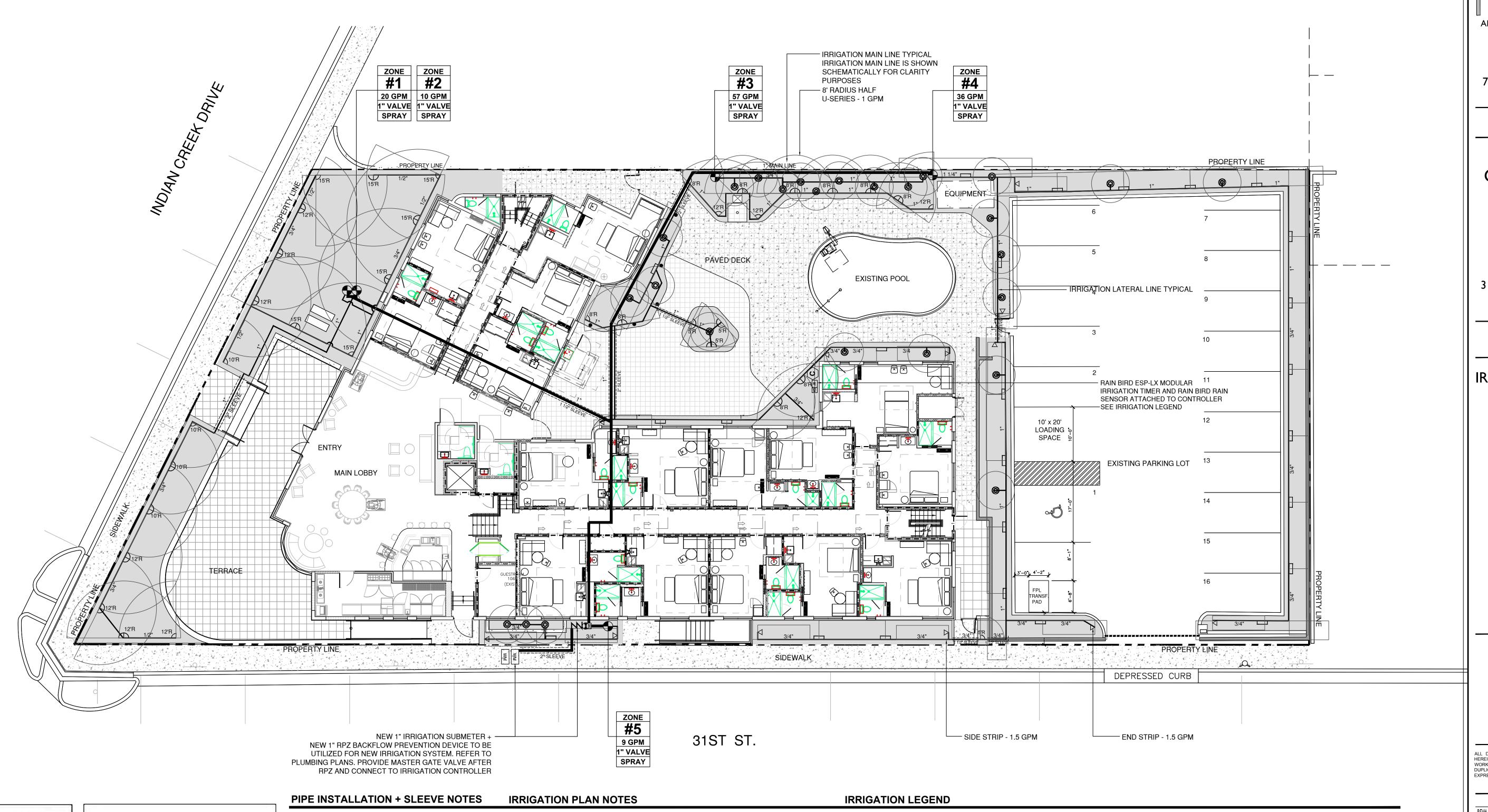
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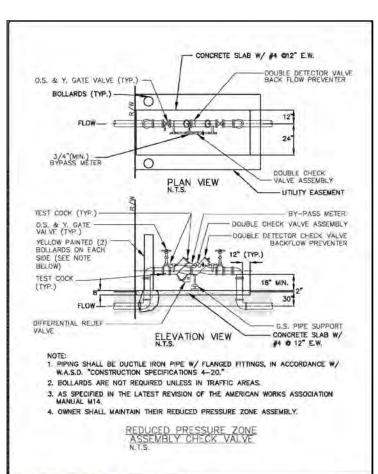
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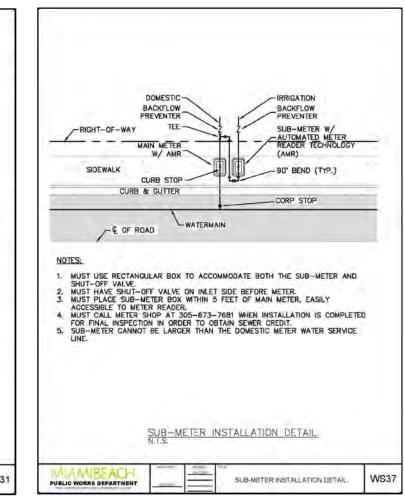
CHRISTOPHER CAWLEY CC LANDSCAPE ARCHITECTURE LLC LA

Florida Landscape Architecture Business LC 26000460

780 NE 69th Street | Suite 1106 | Miami, FL 33138 O 786.534.5327 | C 305.979.1585 | www.christophercawley.com







FLORIDA BUILDING CODE - APPENDIX F PIPE INSTALLATION - DEPTH OF COVER						
VEHICLE TRAFFIC AREAS						
PIPE SIZE (INCHES)	DEPTH OF COVER (INCHES)					
1/2" TO 2 1/2"	18" TO 24"					
3" TO 5"	24" TO 30"					
6" OR GREATER	30 TO 36"					
NON-TRAFFIC AND NON-CULTIVATED AREAS						
PIPE SIZE (INCHES)	DEPTH OF COVER (INCHES)					
1/2" TO 1 1/4"	6" TO 12"					
1 1/2" TO 2"	12" TO 18"					
2 1/2" TO 3"	18" TO 24"					

	FLORIDA BUILDING CODE - APPENDIX F SLEEVE SIZES - PART V A-6							
WATER PIPE SIZE	SLEEVE SIZE							
3/4"	1 1/2"							
1"	2"							
1 1/4"	2 1/2"							

4" OR LARGER

24" TO 36"

SLEEVES TO EXTEND A MIN. 3' BEYOND ALL PAVED AREAS,

ALL MAIN LINES, LATERAL LINES and IRRIGATION SPRINKLER COMPONENT LOCATIONS ARE SHOWN SCHEMATICALLY AND SHALL BE ADJUSTED BASED ON FIELD CONDITIONS. ALL LANDSCAPES AREAS TO RECEIVE 100% COVERAGE WITH A MINIMUM 50% OVERLAP BY A FULLY AUTOMATIC IRRIGATION SYSTEM with RAIN SENSOR. AFTER SITE INVESTIGATION THE LANDSCAPE CONTRACTOR IS TO PROVIDE A 'SHOP DRAWING' DETAILING THE PROPOSED IRRIGATION SYSTEM DESIGN TO THE LANDSCAPE ARCHITECT AND GENERAL CONTRACTOR.

A ROUGH INSPECTION IS REQUIRED BY THE CITY OF MIAMI BEACH PRIOR TO TRENCH BACKFILLING AND A FINAL INSPECTION SHALL BE REQUIRED PRIOR TO COMPLETION OF IRRIGATION WORK.

SOUTH FLORIDA WATER MANAGEMENT DISTRICT (SFWMD) WATER RESTRICTIONS, PHASE II ARE IN EFFECT. NEW LANDSCAPE INSTALLATION SHALL BE EXEMPT PER SFWMD FOR A PERIOD OF SIXTY DAYS AFTER INSTALLATION with CONTRACTOR and/or OWNER TO ASSUME RESPONSIBILITY AFTER 60 DAY PERIOD.

USE EXTREME CAUTION IN ALL AREAS TO AVOID ROOTS OF EXISTING TREES, PALMS + VEGETATION. HAND EXCAVATE AS NECESSARY AND ADJUST ALL MAIN AND LATERAL IRRIGATION LINES BASED ON FIELD CONDITIONS. TRENCHING THRU ROOT ZONES SHALL BE AVOIDED AND ALL IRRIGATION LINES ARE TO RUN OUTSIDE OF THE ROOT ZONES OF ALL EXISTING VEGETATION

INDIAN CREEK DRIVE: FRONTAGE LANDSCAPE DESIGN NO IRRIGATION IN THE FRONT GARDEN HAS BEEN PROVIDED. IRRIGATION IN THE FRONT GARDEN SHALL BE PROVIDED AFTER CIP ROW PROJECT IS COMPLETED AND REVISED LANDSCAPE DESIGN HAS BEEN IMPLEMENTED

1" IRRIGATION SUBMETER REFER TO CIVIL ENGINEER'S PLANS RPZ (REDUCED PRESSURE ZONE) REFER TO CIVIL ENGINEER'S PLANS

1" MASTER VALVE FOR TOTAL SYSTEM SHUT OFF. CONNECT TO CONTROLLER

RAINBIRD ESP-LX MODULAR SERIES CONTROLLER W/ RAINBIRD RAIN SENSOR RAINBIRD RSD SERIES RAIN SENSOR

ATTACHED TO CONTROLLER

PIPE CONNECTION PIPE CROSSING

ZONE OR APPROVED EQUAL, IN 10" ROUND VALVE BOX 25 GPM

ZONE DESIGNATION & INFORMATION GALLONS PER MINUTE 1" VALVE VALVE SIZE

SPRAY IRRIGATION TYPE RAINBIRD 1800 PRS - U SERIES NOZZE 10", 12", 15" POP-UP / QUARTER, HALF, FULL

RADIUS DIAMETERS AS NOTED

RAINBIRD 1800 SERIES STRIP-TYPE 15EST (END STRIP), 15 CST (CENTER STRIP) 1.5 GPM RAINBIRD -5 SERIES, MPR STREAM BUBBLER NOZZLES, 5' RADIUS, 1.5 GPM



1" ELECTRIC VALVES-RAINBIRD PEB SERIES

REFER TO ELECTRICAL ENGINEER'S PLANS

JUNCTION BOX w/ WATER PROOF CONNECTORS

1 1/2" PVC Main Supply Line - Sch 40

PIPE in SLEEVE (See Sizing Chart)

PVC LATERAL LINE (Sch. 160)

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7580 NE 4th COURT MIAMI, FL 33138 1717

PROJECT: **GREENBRIER**



3101 Indian Creek Drive MIAMI BEACH, **FLORIDA**

DRAWING:

IRRIGATION PLAN

CHRISTOPHER CAWLEY, RLA

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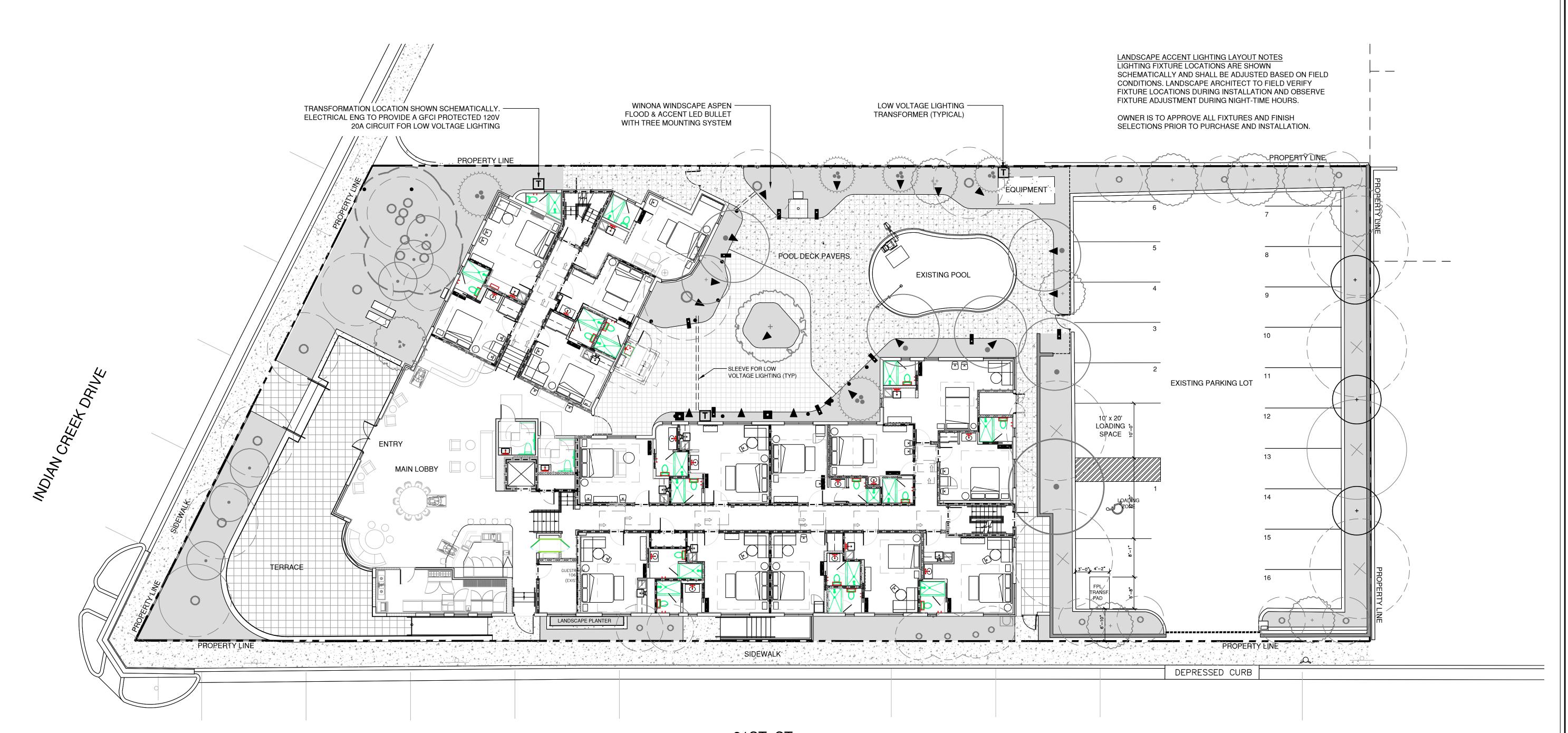
SEAL

REVISIONS REV# DATE DESCRIPTION

06.10.19 OWNER REVISION 08.01.19 IRRIGATION REVISION 08.16.19 | IRRIGATION REVISION (A) 08.19.19 FPL VARIANCE SUBMITTA

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31ST ST.

LANDSCAPE LIGHTING NOTES

LIGHTING FIXTURE LOCATIONS ARE SHOWN SCHEMATICALLY AND SHALL BE ADJUSTED BASED ON FIELD CONDITIONS. LANDSCAPE ARCHITECT TO FIELD VERIFY FIXTURE LOCATIONS DURING INSTALLATION AND OBSERVE FIXTURE ADJUSTMENT DURING NIGHT-TIME HOURS. OWNER AND LANDSCAPE ARCHITECT ARE TO APPROVE ALL FIXTURES AND FINISH SELECTIONS PRIOR TO PURCHASE AND INSTALLATION

LIGHTING CONTRACTOR TO CONNECT TRANSFORMERS TO ANY EXISTING INTERIOR CONTROL PANELS, (Lutron, etc..), OR AS PER GENERAL CONTRACTOR'S INSTRUCTION.

LIGTHING CONTRACTOR MAY ADD AN ADDITIONAL TRANSFORMER IN THE INTEREST OF REDUCING THE LENGTH OF A PARTICULAR WIRING CIRCUIT. ALLOW 25W LOAD PER FIXTURE LEAVING 25% OPEN FOR FUTURE FIXTURES.

SOME FIXTURES MAY REQUIRE AN ADDITIONAL 18" MOUNTING STAKE AS ADJACENT PLANTING MAY DICTATE. LANDSCAPE LIGHTING SHOULD BE REEVALUATED AFTER 6 MONTHS TO CHECK FOR VOLTAGE DROP IN CIRCUITS.

ELECTRICAL / LANDSCAPE CONTRACTOR: PROVIDE CUT SHEETS TO LANDSCAPE ARCHITECT FOR REVIEW & APPROVAL PRIOR TO PURCHASE AND

INSTALLATION \ ELECTRICAL ENGINEER TO PROVIDE GFCI PROTECTED 120V 20 A CIRCUIT FOR LANDSCAPE LIGHTING TRANSFORMERS TO BE CONNECTED TO MAIN LIGHTING CONTROLS



GARDEN LIGHT - WASH LIGHT



GARDEN LIGHT - PATH LIGHT



LIGHT	LIGHTING LEGEND								
SYM.	TYPE	QTY.	SERIAL NO.	BULB/WATTS					
	GARDEN LIGHT - MINI SPOT LIGHT	17	MS - 20 - SSA - WHITE	LED/ 20 WATT					
•	GARDEN LIGHT - CONTEMPORARY PATH LIGHT	10	P1 - SSA	LED/ 4 WATT					
	GARDEN LIGHT - WASH LIGHT	2	WW - 50 - F - SSA - WHITE	LED/ 2 WATT					
丁	GARDEN LIGHT - LED TRANSFORMERS	3	600 VA LOW VOLTAGE TRANSFORMER						

NOTE: ELECTRICAL / LANDSCAPE CONTRACTOR TO PROVIDE CUT SHEETS TO LANDSCAPE ARCHITECT FOR REVIEW & APPROVAL PRIOR TO PURCHASE AND INSTALLATION GFCI OUTLETS FOR LOW VOLTAGE TRANSFORMERS TO BE CONNECTED TO MAIN RESIDENCE LIGHTING CONTROLS

CONTACT LIGHTING REPRESENTATIVE DEREK SULLIVAN OF YARD SENTRY LANDSCAPE LIGHTING FOR ALL INFORMATION AND PRICING REGARDING THE FIXTURES AS SPECIFIED. DEREK@GL_LEDSEFL.COM / PHONE: 305.387.9158

INDIAN CREEK DRIVE: FRONTAGE LANDSCAPE DESIGN

PLEASE NOTE THAT LOW VOLTAGE LANDSCAPE UP LIGHTING SHALL BE PROVIDED IN THE FRONT GARDEN AFTER CIP ROW PROJECT IS COMPLETED AND REVISED LOW VOLTAGE LANDSCAPE LIGHTING DESIGN HAS BEEN IMPLEMENTED



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7580 NE 4th COURT MIAMI, FL 33138

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PROJECT: **GREENBRIER**



3101 Indian Creek Drive MIAMI BEACH, **FLORIDA**

DRAWING:

LIGHTING PLAN

CHRISTOPHER CAWLEY, RLA

SEAL

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LIGHTING PLAN