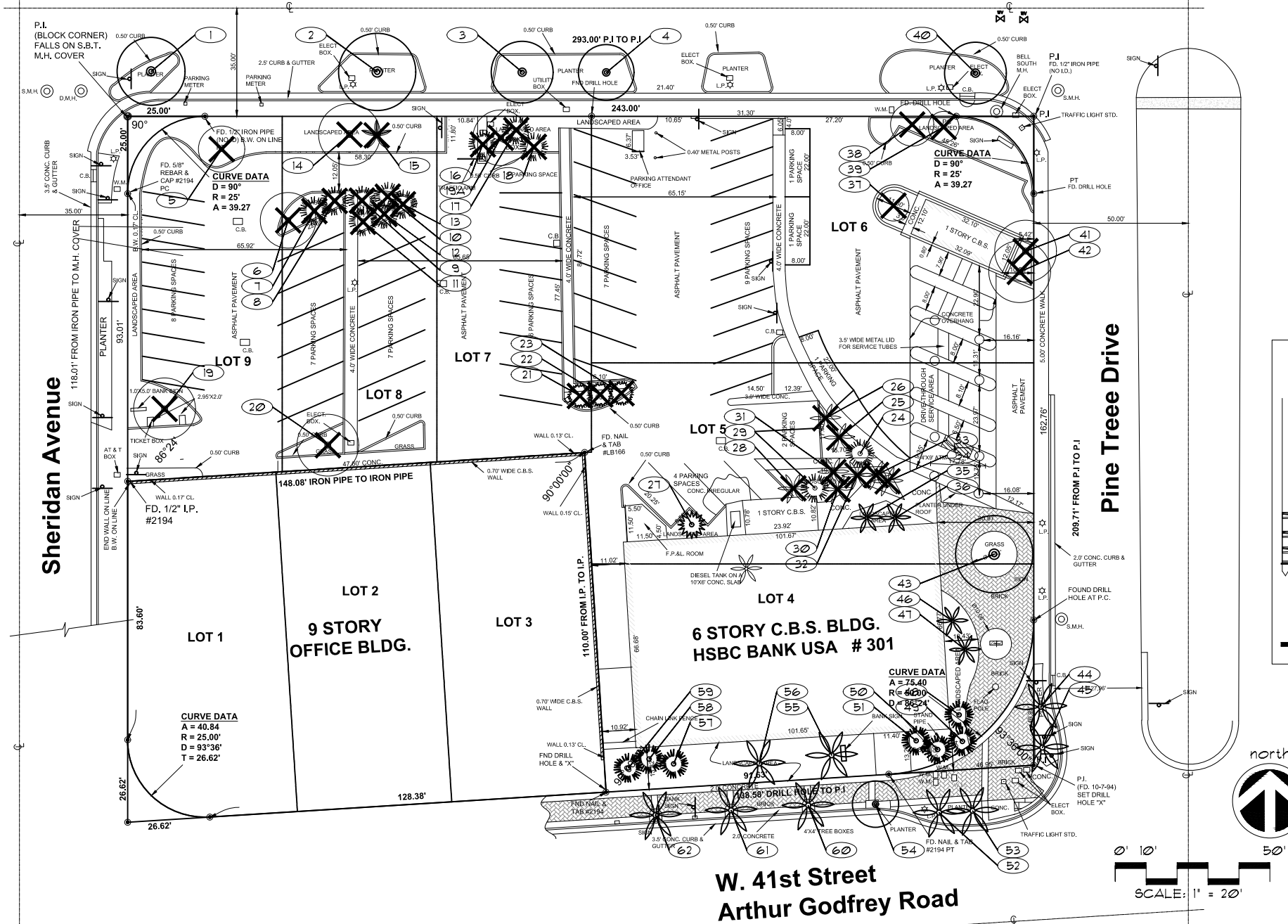


W. 42nd Street



APPROVED

MIAMI BEACH
MIAMI BEACH
340 WEST 42ND STREET MIAMI BEACH, FLORIDA
CATON OWNER, LLC
3521 ALTON RD SUITE 138, MIAMI BEACH, FL 33140

ARCHITECT OF RECORD
ARQUITECTONICA
2908 Oak Avenue
Miami, Florida 33133
T 305.372.1812
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www.arquitectonica.com

STRUCTURAL ENGINEER:

M.E.P. ENGINEER:

MIAMI, FL 33122

LANDSCAPE ARCHITECT

MIAMI FL 33133

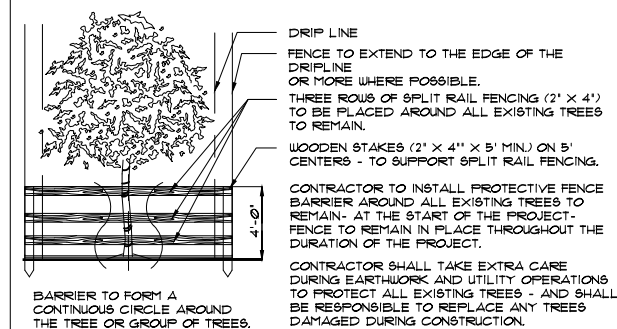
CIVIL ENGINEER:

MIAMI FL 33144

CONSULTANT:

CONSULTANT:

LIGHTING CONSULTANT:



TREE PROTECTION DETAIL

N.T.S.

NOTES:

- A WRITTEN TREE REMOVAL PERMIT IS REQUIRED FROM THE LOCAL GOVERNING AGENCY PRIOR TO REMOVAL OF ANY TREES OR PALMS FROM THE SITE.
- SEE LANDSCAPE PLANS FOR PROPOSED LANDSCAPE PLANTINGS, LANDSCAPE LEGEND, PLANTLIST, SPECIFICATIONS, DETAILS, ETC.
- THE CONTRACTOR SHALL REMOVE ALL TREES AND HEDGES AS PER PLANS AND AS APPROVED BY THE LOCAL GOVERNING AGENCIES (THE CITY OF MIAMI BEACH). TREE, PALM AND HEDGE MATERIAL SHALL INCLUDE ALL TRUNKS, STUMPS AND ROOTS. ALL EXCESS DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROVED SITE. ALL HOLES AND DEPRESSIONS SHALL BE BACKFILLED WITH CLEAN, APPROVED BACKFILL.
- LOCATIONS SHOWN FOR THE EXISTING TREES AND PALMS ARE APPROXIMATE, EXACT LOCATIONS ARE TO BE FIELD VERIFIED BY A REGISTERED LAND SURVEYOR (RLS) PRIOR TO ANY PAVING OR ANY OTHER SUCH WORK WHICH WILL BE IMPACTED BY ANY TREES OR PALMS TO REMAIN.
- ALL INVASIVE EXOTIC VEGETATION AND ANY ANY OTHER PLANTS LISTED AS CATEGORY I, ON THE FLORIDA EXOTIC PEST PLANT COUNCIL'S LIST OF FLORIDA'S MOST INVASIVE SPECIES SHALL BE REMOVED FROM THE SITE AND MAINTENANCE SHALL GUARANTEE CONTROL OF RE-INVASION.

A WRITTEN TREE REMOVAL PERMIT IS REQUIRED FROM THE CITY OF MIAMI BEACH PRIOR TO REMOVAL OF ANY TREES OR PALMS FROM THIS SITE.

SEE LANDSCAPE PLANS FOR LANDSCAPE PLANTINGS PLANTLIST, SPECIFICATIONS, DETAILS, ETC.

TREE DISPOSITION PLAN

TD-1

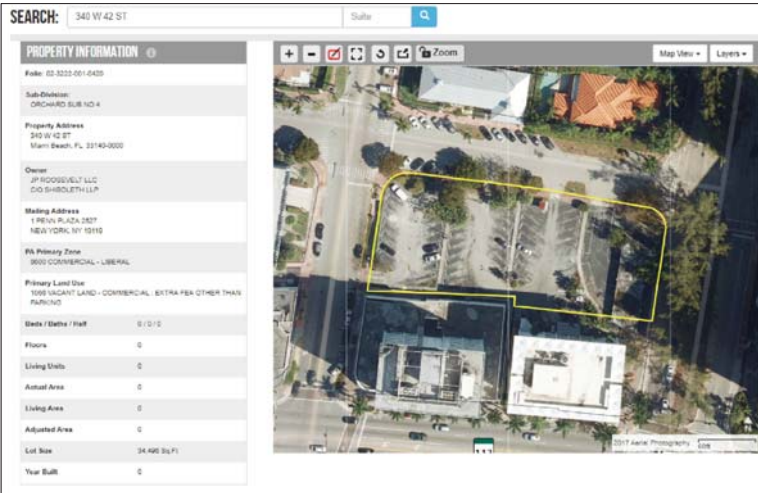
340 WEST 42nd ST., MIAMI BEACH, FL 33140																					
TREE NUM	SYM	COMMON NAME	BOTANICAL NAME	HEIGHT	SPREAD	DBH inches	STATUS	CANOPY LOSS	CANOPY LOSS	PALM LOSS	REMARKS										
1	SM	MAHOGANY	Swietenia mahagoni	20	22	12	REMAN	79			STREET TREE										
2	SM	MAHOGANY	Swietenia mahagoni	22	25	12	REMAN	79			STREET TREE										
3	SM	MAHOGANY	Swietenia mahagoni	18	20	8	REMAN	79			STREET TREE										
4	SM	MAHOGANY	Swietenia mahagoni	18	18	8	REMAN	79			STREET TREE										
5	PAN	SCREW PINE	Pandanus utilis	12	15	multi	REMOVE	79	79												
6	BA	SCHIEFFERA	Brassia actinophylla	18	18	multi	REMOVE				PROHIBITED SPECIES-MUST REMOVE										
7	SP	SABAL PALM	Sabal palmetto	10	10	12	REMOVE	79	79												
8	SP	SABAL PALM	Sabal palmetto	10	10	12	REMOVE	79	79												
9	SP	SABAL PALM	Sabal palmetto	10	10	12	REMOVE	79	79												
10	SP	SABAL PALM	Sabal palmetto	10	10	12	REMOVE	79	79												
11	SP	SABAL PALM	Sabal palmetto	10	10	12	REMOVE	314	314												
12	SP	SABAL PALM	Sabal palmetto	10	10	12	REMOVE	79	79												
13	SP	SABAL PALM	Sabal palmetto	10	10	12	REMOVE	79	79												
14	SM	MAHOGANY	Swietenia mahagoni	22	20	8.8.8	REMOVE	314	314												
15	CV	BOTTLEBRUSH	Callistemon viminalis	14	10	7	REMOVE	79	79												
16	SP	SABAL PALM	Sabal palmetto	14	10	10	REMOVE	79	79												
17	SP	SABAL PALM	Sabal palmetto	14	10	10	REMOVE	79	79												
18	SP	SABAL PALM	Sabal palmetto	14	10	10	REMOVE	79	79												
19	TH	PINK TABEBUIA	Tabebuia heterophylla	20	16	5	REMOVE	201	201												
19A	BA	SCHIEFFERA	Brassia actinophylla	20	20	multi	REMOVE	314	314												
20	BA	SCHIEFFERA	Brassia actinophylla	20	20	multi	REMOVE	314	314												
21	THR	THATCH PALM	Thrinax species	18	8	6	REMOVE	50	50												
22	THR	THATCH PALM	Thrinax species	22	8	6	REMOVE	50	50												
23	THR	THATCH PALM	Thrinax species	16	8	6	REMOVE	50	50												
24	SP	SABAL PALM	Sabal palmetto	16	12	10	REMOVE	113	113												
25	PE	SOUTAIRE PALM	Pythosperma elegans	18	8	4	REMOVE	50	50												
26	PE	SOUTAIRE PALM	Pythosperma elegans	18	8	4	REMOVE	50	50												
27	WR	WASHINGTONIA PALM	Washingtonia robusta	35	12	10	REMAN	113													
28	PE	SOUTAIRE PALM	Pythosperma elegans	24	8	3	REMOVE	50	50												
29	SP	SABAL PALM	Sabal palmetto	30	12	9	REMOVE	113	113												
30	PE	SOUTAIRE PALM	Pythosperma elegans	25	8	4	REMOVE	50	50												
31	PE	SOUTAIRE PALM	Pythosperma elegans	25	8	4	REMOVE	50	50												
32	PE	SOUTAIRE PALM	Pythosperma elegans	25	8	4	REMOVE	50	50												
33	PE	SOLITAIRE PALM	Pythosperma elegans	25	8	4	REMOVE	50	50												
34	PE	SOLITAIRE PALM	Pythosperma elegans	25	8	4	REMOVE	50	50												
35	PE	SOLITAIRE PALM	Pythosperma elegans	25	8	4	REMAN	50	50												
36	PE	SOLITAIRE PALM	Pythosperma elegans	25	8	4	REMAN	50	50												
37	QV	LIVE OAK	Quercus virginiana	18	8	6	REMOVE	50	50												
38	TH	PINK TABEBUIA	Tabebuia heterophylla	20	14	6	REMOVE	154	154												
39	TH	PINK TABEBUIA	Tabebuia heterophylla	12	10	3	REMOVE	79	79												
40	SM	MAHOGANY	Swietenia mahagoni	20	20	9	REMAN	314													
41	BA	SCHIEFFERA	Brassia actinophylla	25	20	multi	REMOVE	314	314												
42	BA	SCHIEFFERA	Brassia actinophylla	25	20	multi	REMOVE	314	314												
43	BS	GUMBO LIMBO	Bumelia elaeagnifolia	25	25	14	491														
44	RE	ROYAL PALM	Roystonia elata	30	20	14			314												
45	RE	ROYAL PALM	Roystonia elata	30	20	14			314												
46	AM3	CHRISTMAS PALM	Adonidia merrillii	30	15	5.5.5			177												
47	AM4	CHRISTMAS PALM	Adonidia merrillii	20	15	5.5.5			177												
48	SP	SABAL PALM	Sabal palmetto	16	10	8			79												
49	SP	SABAL PALM	Sabal palmetto	16	10	8			79												
50	SP	SABAL PALM	Sabal palmetto	22	12	9			113												
51	SP	SABAL PALM	Sabal palmetto	28	12	9			113												
52	RE	ROYAL PALM	Roystonia elata	32	20	18			314												
53	RE	ROYAL PALM	Roystonia elata	32	20	18			314												
54	TC	YELLOW TABEBUIA	Tabebuia caribba	16	15	10			177												
55	RE	ROYAL PALM	Roystonia elata	32	20	18			314												
56	RE	ROYAL PALM	Roystonia elata	32	20	18			314												
57	SP	SABAL PALM	Sabal palmetto	16	12	8			113												
58	SP	SABAL PALM	Sabal palmetto	25	12	8			113												
59	SP	SABAL PALM	Sabal palmetto	25	12	8			113												
60	RE	ROYAL PALM	Roystonia elata	30	20	16			314												
61	RE	ROYAL PALM	Roystonia elata	30	20	16			314												
62	RE	ROYAL PALM	Roystonia elata	30	20	16			314												
TOTALS																	9,427	4,013			
FIELD VERIFICATION PERFORMED ON MARCH 5, 2016																					

ARQ Project No.: 3346

Drawn by:

Approved by:

SHEET INDEX



TREE REMOVAL REPLACEMENT SCHEDULE		
340 W. 42nd St., MIAMI BEACH, FL. 33140		
FEB. 12, 2018		
EXISTING TREE CANOPY 9,540 SQ. FT.	REQUIRED SQ. FT.	PROVIDED SQ. FT.
TOTAL TREE CANOPY LOSS	4,126 SQ. FT.	
PROPOSED TREES:		
CATEGORY 1 TREE (12' Ht) = 36 Trees 300 sq. ft. / tree (9 GRA + 2 CD + 9 ILE + 11 MGB + 5 QV6)		10,800
CATEGORY 2 TREE (10' Ht) = 2 Tree 150 sq. ft. / tree (2 CS)		300
CATEGORY 3 TREE (10' Ht) = 0 Tree 100 sq. ft. / tree		0
CATEGORY 4 PALM (6' Clear trunk) = 0 palms 50 sq. ft. / palm		0
		11,100
		SQ.FT.

1. A WRITTEN TREE REMOVAL PERMIT IS REQUIRED FROM THE LOCAL GOVERNING AGENCY PRIOR TO REMOVAL OF ANY TREES OR PALMS FROM THE SITE.
2. SEE LANDSCAPE PLANS FOR PROPOSED LANDSCAPE PLANTINGS, LANDSCAPE LEGEND, PLANTLIST, SPECIFICATIONS, DETAILS, ETC.
3. THE CONTRACTOR SHALL REMOVE ALL TREES AND HEDGES AS PER PLANS AND AS APPROVED BY THE LOCAL GOVERNING AGENCIES (THE CITY OF MIAMI BEACH). TREE, PALM AND HEDGE MATERIAL SHALL INCLUDE ALL TRUNKS, STUMPS AND ROOTS. ALL EXCESS DEBRIS SHALL BE REMOVED FROM THE SITE AND DISPOSED OF AT AN APPROVED SITE. ALL HOLES AND DEPRESSIONS SHALL BE BACKFILLED WITH CLEAN, APPROVED BACKFILL.
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5. ALL INVASIVE EXOTIC VEGETATION AND ANY OTHER PLANTS LISTED AS CATEGORY 1, ON THE FLORIDA EXOTIC PEST PLANT AND WEEDS LIST OF THE FLORIDA'S MOST INVASIVE SPECIES SHALL BE REMOVED FROM THE SITE AND MAINTENANCE SHALL GUARANTEE CONTROL OF RE-INVASION.

TREE DISPOSITION PLAN

MIAMI BEACH
MIAMI BEACH
340 WEST 42ND STREET MIAMI BEACH, FLORIDA
CATON OWNER, LLC
3921 ALTON RD SUITE 138, MIAMI BEACH, FL 33140

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M.E.P. ENGINEER:

MIAMI, FL 33122

LANDSCAPE ARCHITECT

MIAMI FL 33133

CIVIL ENGINEER:

MIAMI FL 33144

CONSULTANT:

CONSULTANT:

LIGHTING CONSULTANT:

SEAL / SIGNATURE / DATE

JAMES F. SOGASH
RLA # 0001132
SITE PLAN SUBMITTAL

OFFICE REGISTRATION #: AA C000465

Date		Revision
------	---	----------

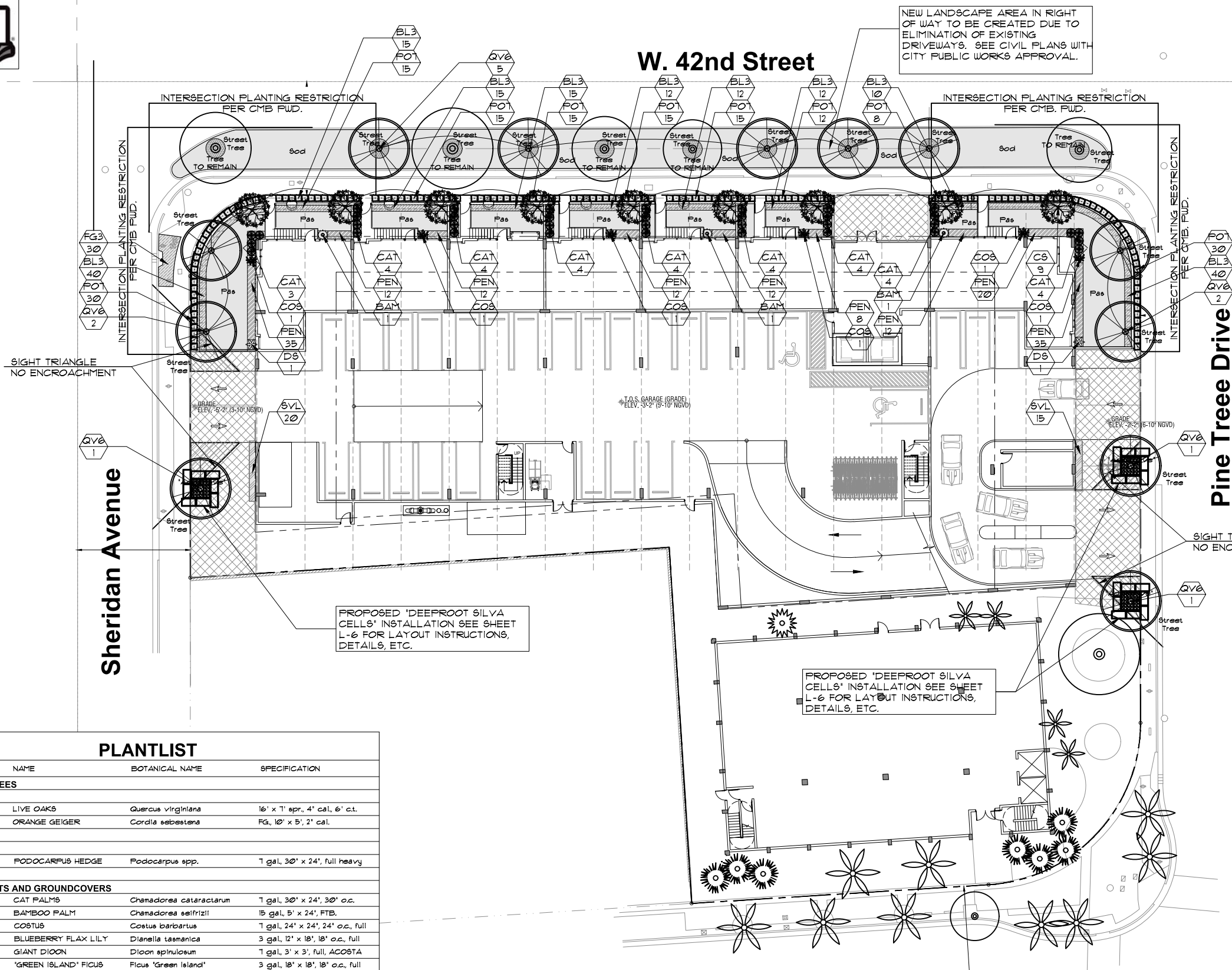
Issue #	Issue Date / For
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ARQ Project No.: 3346

Drawn by:

Approved by:

SHEET INDEX



NEW LANDSCAPE AREA IN RIGHT
OF WAY TO BE CREATED DUE TO
ELIMINATION OF EXISTING
DRIVEWAYS. SEE CIVIL PLANS WITH
CITY PUBLIC WORKS APPROVAL.

APPROVED

MIAMI BEACH
MIAMI BEACH
340 WEST 42ND STREET MIAMI BEACH, FLORIDA
CATON OWNER, LLC
3521 ALTON RD SUITE 138, MIAMI BEACH, FL 33140

ARCHITECT OF RECORD
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MIAMI, FL 33144

CONSULTANT:

CONSULTANT:

LIGHTING CONSULTANT:

SEAL / SIGNATURE / DATE

JAMES F. SOCCASH
R.L.A. # 000132
SITE PLAN SUBMITTAL

OFFICE REGISTRATION #: AA C000465

Date Revision

Issue Issue Date / For

ARQ Project No.: 3346

Drawn by:

Approved by:

SHEET INDEX

L-1

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PLANTLIST

SYM.	NATIVE	*	NAME	BOTANICAL NAME	SPECIFICATION
PROPOSED TREES					
QV6	YES	11	LIVE OAKS	Quercus virginiana	16' x 1" spr, 4' cal, 6' c.t.
C6	YES	9	ORANGE GEIGER	Cordia sebestena	FG, 10' x 5', 2' cal.
SHRUBS					
PO1	155		PODOCARPUS HEDGE	Podocarpus spp.	1 gal, 30' x 24', full heavy
ACCENT PLANTS AND GROUNDCOVERS					
CAT	35		CAT PALMS	Chamadorea cataractum	1 gal, 30' x 24', 30' o.c.
BAM	3		BAMBOO PALM	Chamadorea seifrizii	15 gal, 5' x 24', FTB.
COS	6		COSTUS	Costus barbatus	1 gal, 24' x 24', 24' o.c., full
BL3	171		BLUEBERRY FLAX LILY	Dianella tasmanica	3 gal, 12' x 18', 18' o.c., full
D6	2		GIANT DIOON	Dioon spinulosum	1 gal, 3' x 3', full, ACOSTA
FG3	30		'GREEN ISLAND' FIGUS	Ficus 'Green Island'	3 gal, 18' x 18', 18' o.c., full
FEN	158		EGYPTIAN STAR CLUSTER	Pentas lanceolata	1 gal, 10' x 10', 14' o.c., full
SVL	35		'SANGEVIERIA LAURENTII'	Sansevieria trifasciata	3 gal, 18' x 12', 18' o.c. full
SOD					
PAS	YES	2300 SF.	SEASHORE PASPALUM	Paspalum spp. 'SeaDwarf'	SOLID SOD, price per s.f.
FLO		3200 SF.	'FLORATAM' ST. AUGUSTINE	Stenotaphrum secundatum	SOLID SOD, price per s.f.
TOPSOIL:					
12 C.Y.			TREES, PALMS, SHRUBS AND GROUNDCOVERS		
34 C.Y.			AREA TO BE SODDED WITH A 2" DEPTH OF TOPSOIL SPREAD IN PLACE		
20 C.Y./-			PINE BARK NUGGETS	MULCH, 3" DEPTH, SPREAD IN PLACE	
---			TOPSOIL, SOD AND MULCH QUANTITIES SHOWN ARE APPROXIMATE, CONTRACTOR TO PROVIDE A UNIT PRICE PER UNIT AND WILL BE PAID ON THAT UNIT PRICE BASIS UPON FINAL INSPECTION AND APPROVAL.		

W. 41st Street
Arthur Godfrey Road



0' 8' 16' 32'
SCALE: 1/16" = 1'-0"

A WRITTEN TREE REMOVAL PERMIT IS REQUIRED FROM THE CITY OF MIAMI BEACH PRIOR TO REMOVAL OF ANY TREES OR PALMS FROM THIS SITE.

SEE SHEET L-2, L-3 FOR UPPER LEVEL LANDSCAPE PLANTINGS.

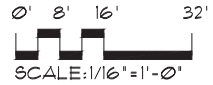
SEE SHEET L-4 FOR LANDSCAPE DETAILS, NOTES, SPECIFICATIONS, ETC.

SEE SHEET L-5 FOR BONDED AGGREGATE 'ADDAPAVE' DETAILS AND SPECIFICATIONS.

SEE SHEET L-6 FOR SILVA CELL DETAILS AND SPECIFICATIONS.

LANDSCAPE PLAN



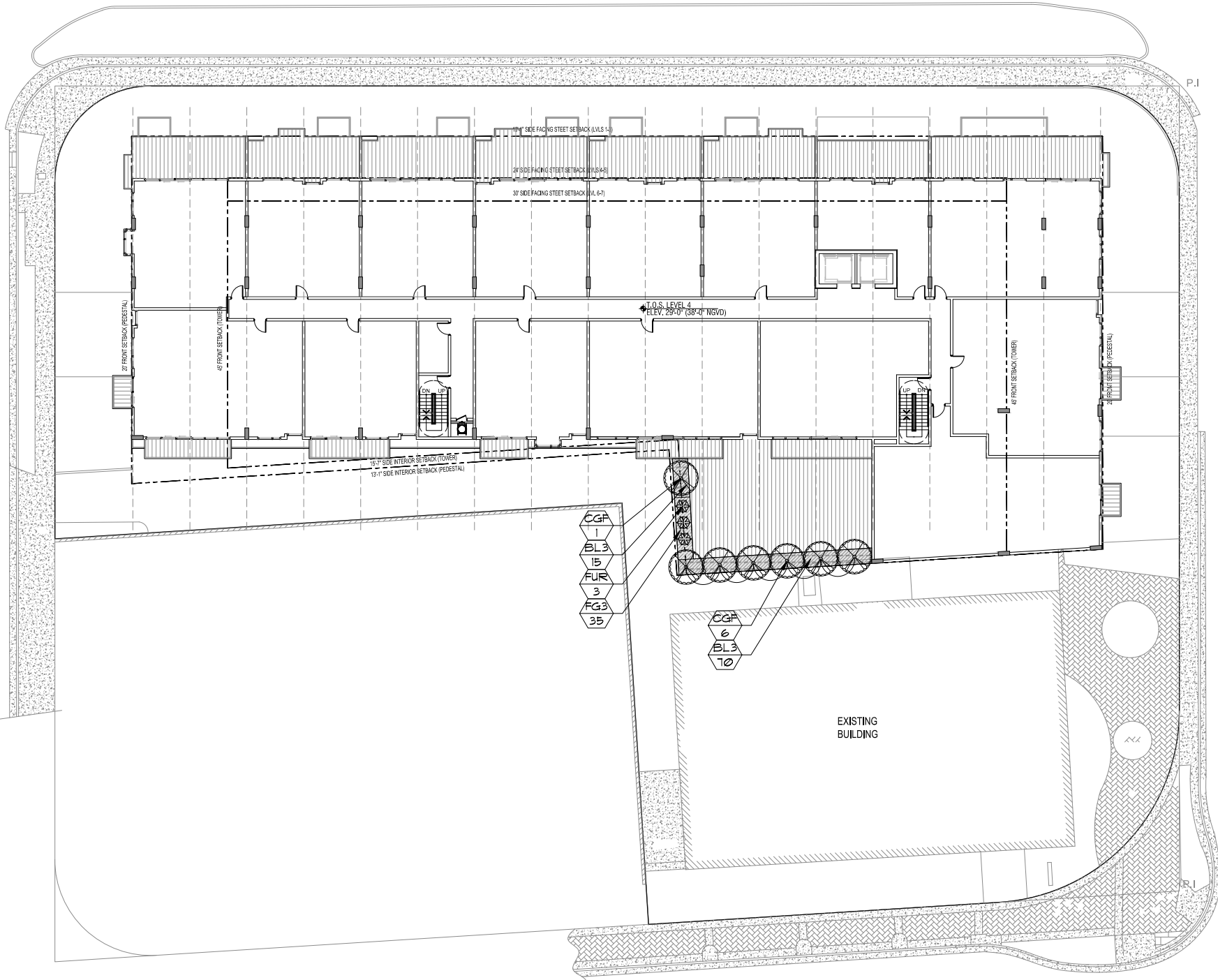


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SEE SHEET L-5 FOR DEEPROOT SILVA CELLS, BONDED AGGREGATE DETAILS AND SPECIFICATIONS.



TYPICAL LANDSCAPE PLANTER

PLANTING SOIL:
SEE NOTE BELOW: PROVIDE SAMPLE TO LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.

FILTER FABRIC BY 'POLY FILTER' BY CARTHAGE MILLES INC., CINCINNATI, OH, OR APPROVED EQUAL.

3'-4" BALLAST ROCK OR APPROVED EQUAL 3'-4" DEPTH TO BE INSTALLED BY GENERAL CONTRACTOR.

PROTECT DRAINAGE PIPE AS INSTALLED BY GENERAL CONTRACTOR.

LANDSCAPE CONTRACTOR SHALL COORDINATE WITH THE PROJECT SUPERINTENDENT TO HAVE ALL DRAINAGE PIPE INSTALLED AND CONNECTED PRIOR TO BACKFILLING WITH BALLAST ROCKS, FILTER FABRIC, ETC. CONTRACTOR SHALL ALSO COORDINATE ALL IRRIGATION INSTALLATION TO INSURE COMPLETE OPERATION LOGISTICS REGARDING IRRIGATION AND DRAINAGE.

N.T.S.

THE LANDSCAPE CONTRACTOR SHALL PROVIDE THE PLANTERS WITH AN APPROVED SOIL MIX.

CONTRACTOR SHALL SUBMIT TO THE LANDSCAPE ARCHITECT A SOIL SAMPLE AND A SOIL MATERIAL RATIO CHART FOR APPROVAL PRIOR TO INSTALLATION OF THE SOIL. SOIL MIX SHALL BE A SPECIAL MIX TO PROVIDE POROSITY FOR DRAINAGE AND CONTAIN AMENDMENTS (PERLITE OR SIMILAR) TO REDUCE SOIL DENSITY AND WEIGHT. SOIL MIX SHALL BE AS PER ATLAS PEAT AND SOIL OR TOM WATERS INC. SOIL MIX OR AN APPROVED EQUAL TO CONTAIN EQUAL OR FORMULATED RATIOS OF THE FOLLOWING:

1. SILICA
2. SOIL
3. COMPOST
4. PERLITE
5. SHAVINGS

THE CONTRACTOR SHALL BE RESPONSIBLE TO FILL THE PLANTING MIX TO A DEPTH WHICH WILL BE 4" FROM THE TOP OF THE PLANTING WALL. SOIL & BALLAST ROCK QUANTITIES ARE APPROX. & WILL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR FINAL GRADE AS PER THIS NOTE.

WALL IMPERMEABILIZATION, DRAINS AND EYE HOOKS SHALL BE PREPARED & INSTALLED BY THE GENERAL CONTRACTOR.

THE LANDSCAPE AND IRRIGATION CONTRACTORS SHALL COORDINATE ALL WORK WITH THE PROJECT MANAGER AND ALL PERTINENT SUBCONTRACTORS TO INSURE A PROFESSIONAL EXPEDITIOUS PROCESS.

ALL PLANTING BEDS SHALL BE MULCHED WITH AN APPROVED RECYCLED MULCH, OR AN APPROVED EQUAL. SEE 'LANDSCAPE NOTES'.

THE CONTRACTOR SHALL SUBMIT PHOTOS FOR ALL SPECIMEN PLANT MATERIAL (ALL PALMS AND TREES) TO THE L.A. FOR APPROVAL PRIOR TO PLANTING.

PLANTLIST				
SYM.	NATIVE	NAME	BOTANICAL NAME	SPECIFICATION
TREES				
CGF	YES	7 SMALL LEAF CLUSIA	Clusia guttifera	Multi-Std, 8'-10' o.s., RUNWAY
ACCENT PLANTS AND GROUNDCOVERS				
BL3	85	BLUEBERRY FLAX LILY	Dianella tasmanica	3 gal., 12' x 18', 18' o.c., full
FG3	35	'GREEN ISLAND' FICUS	Ficus 'Green Island'	3 gal., 18' x 18', 18' o.c., full
FUR	3	GIANT FALSE AGAVE	Furcraea foetida	15 gal., 4' x 4', full specimen
TOPSOIL:				
22 C.Y. '2100 MIX' FOR PLANTING-PER ATLAS PEAT AND SOIL FOR PLANTER BOXES				
BASED UPON A 2' DEPTH-CONTRACTOR SHALL VERIFY DEPTH PRIOR TO PLANTING.				
MULCHING:				
3 C.Y.- PINE BARK NUGGETS 3' DEPTH, SPREAD IN PLACE, ATLAS PEAT AND SOIL				
PROVIDE SAMPLE FOR APPROVAL PRIOR TO INSTALLATION				
--- TOPSOIL, SOD AND MULCH QUANTITIES SHOWN ARE APPROXIMATE, CONTRACTOR				
TO PROVIDE A UNIT PRICE PER UNIT AND WILL BE PAID ON THAT UNIT PRICE BASIS				
UPON FINAL INSPECTION AND APPROVAL.				

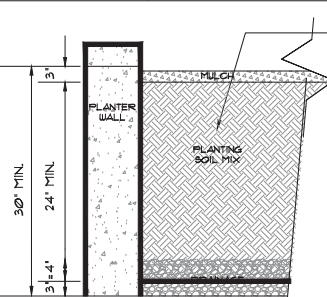
A WRITTEN TREE REMOVAL PERMIT IS REQUIRED FROM THE CITY OF MIAMI BEACH PRIOR TO REMOVAL OF ANY TREES OR PALMS FROM THIS SITE.

SEE SHEET L-2, L-3 FOR UPPER LEVEL LANDSCAPE PLANTINGS.

SEE SHEET L-4 FOR LANDSCAPE DETAILS, NOTES, SPECIFICATIONS, ETC.

SEE SHEET L-5 FOR BONDED AGGREGATE 'ADDAFAVE' DETAILS AND SPECIFICATIONS.

SEE SHEET L-6 FOR SILVA CELL DETAILS AND SPECIFICATIONS.



N.T.S.

WALL IMPERMEABILIZATION, DRAINS AND EYE
HOOKS SHALL BE PREPARED & INSTALLED BY
THE GENERAL CONTRACTOR.

THE LANDSCAPE AND IRRIGATION CONTRACTORS SHALL COORDINATE ALL WORK WITH THE PROJECT MANAGER AND ALL PERTINENT SUBCONTRACTORS TO INSURE A PROFESSIONAL EXPEDITIOUS PROCESS.

ALL PLANTING BEDS SHALL BE MULCHED WITH AN
APPROVED RECYCLED MULCH, OR AN
APPROVED EQUAL. SEE "LANDSCAPE NOTES".

THE CONTRACTOR SHALL SUBMIT PHOTOS FOR ALL SPECIMEN PLANT MATERIAL (ALL PALMS AND TREES) TO THE L.A. FOR APPROVAL PRIOR TO PLANTING.

THE CONTRACTOR SHALL BE RESPONSIBLE TO
FILL THE PLANTING MIX TO A DEPTH WHICH WILL
BE 4' FROM THE TOP OF THE PLANTING WALL.
OIL & BALLAST ROCK QUANTITIES ARE APPROX.
WILL BE THE RESPONSIBILITY OF THE
CONTRACTOR FOR FINAL GRADE AS PER THIS
NOTE.

PLANTLIST				
QTY	NATIVE	NAME	BOTANICAL NAME	SPECIFICATION
TREES				
GF	YES	1	SMALL LEAF CLUSIA	Clusia guttifera
				Multi-Std, 8'-10' o.s., RUNWAY
ACCENT PLANTS AND GROUNDCOVERS				
L3		85	BLUEBERRY FLAX LILY	Dianella tasmanica
				3 gal, 12' x 18', 18' o.c., full
IR		35	'GREEN ISLAND' FICUS	Ficus 'Green Island'
				3 gal, 18' x 18', 18' o.c., full
IR		3	GIANT FALSE AGAVE	Furcraea foetida
				15 gal, 4' x 4', full specimen
OPSOIL:				
		22 C.Y.	2"100 MIX" FOR PLANTING-FER ATLAS FEAT AND SOIL FOR PLANTER BOXES	
			BASED UPON A 2' DEPTH-CONTRACTOR SHALL VERIFY DEPTH PRIOR TO PLANTING.	
ULCHING:				
		3 C.Y./-	PINE BARK NUGGETS	3' DEPTH, SPREAD IN PLACE, ATLAS FEAT AND SOIL
			PROVIDE SAMPLE FOR APPROVAL PRIOR TO INSTALLATION	
		---	TOPSOIL, SOD AND MULCH QUANTITIES SHOWN ARE APPROXIMATE, CONTRACTOR TO PROVIDE A UNIT PRICE PER UNIT AND WILL BE PAID ON THAT UNIT PRICE BASIS UPON FINAL INSPECTION AND APPROVAL.	

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SEE SHEET L-2, L-3 FOR UPPER LEVEL
LANDSCAPE PLANTINGS.

SEE SHEET L-4 FOR LANDSCAPE DETAILS,
NOTES, SPECIFICATIONS, ETC.

SEE SHEET L-5 FOR DEEPROOT SILVA CELLS,
BONDED AGGREGATE DETAILS AND
SPECIFICATIONS.

LEVEL 4 LANDSCAPE PLAN

SEAL / SIGNATURE / DATE

JAMES F. SOCASH
RLA # 0001132
SITE PLAN SUBMITTAL

OFFICE REGISTRATION #: AA C000465

Date		Revision
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Issue # Issue Date / For

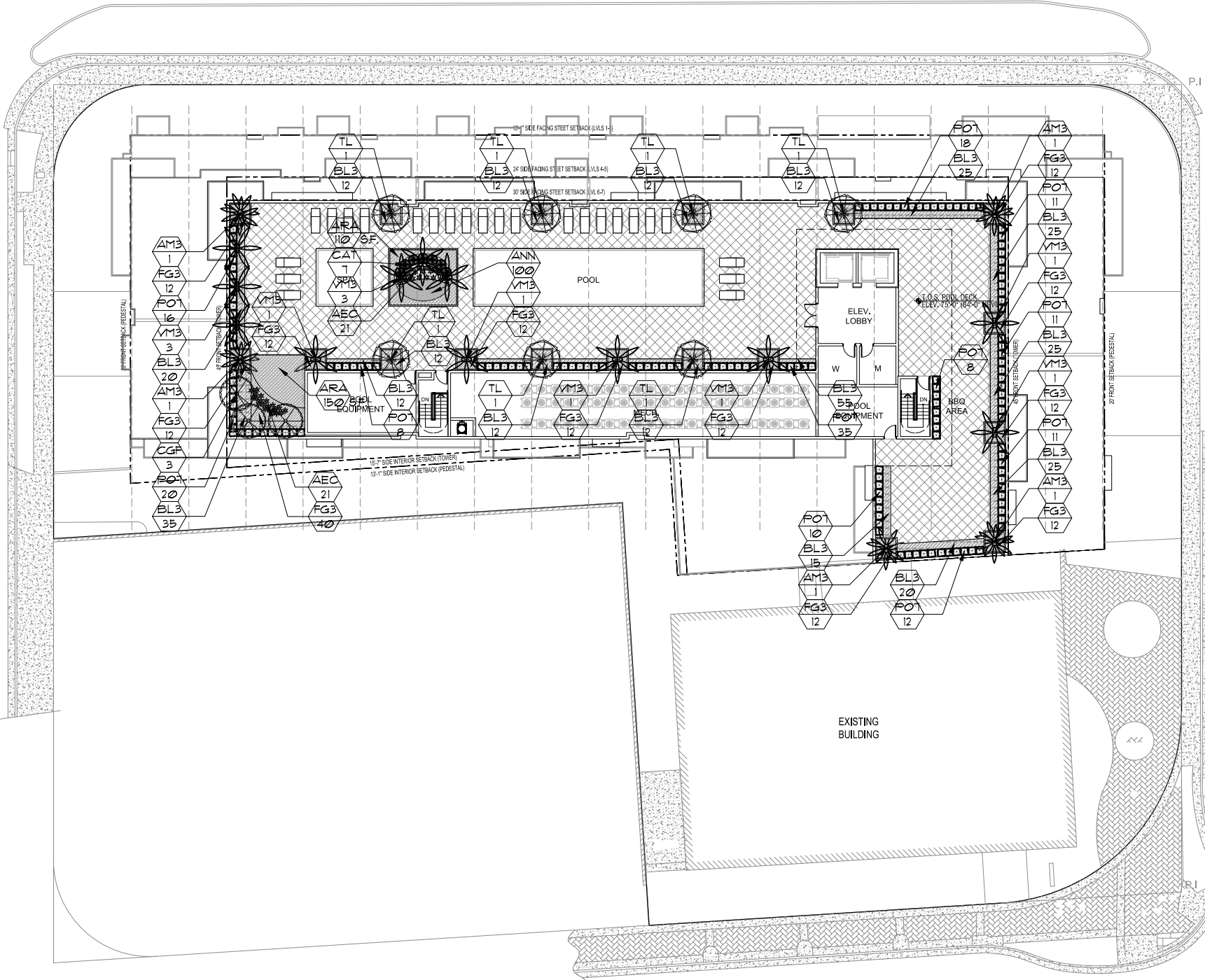
ARQ Project No.: 3346

Drawn by:

Approved by:

SHEET INDEX

L-2



PLANTING SOIL:
SEE NOTE BELOW: PROVIDE COMPLETE LANDSCAPE ARCHITECT FOR APPROVAL PRIOR TO INSTALLATION.

FILTER FABRIC BY "POLYBUILT" BY WARTHAGE MILL, INC. CINCINNATI, OH, OR APPROVED EQUAL.

3'-4" BALLAST ROCK OR APPROVED EQUAL 3'-4" DEPTH TO BE INSTALLED BY GENERAL CONTRACTOR.

PROTECT DRAINAGE PIPE AS INSTALLED BY GENERAL CONTRACTOR.

LANDSCAPE CONTRACTOR SHALL COORDINATE WITH THE PROJECT SUPERINTENDENT TO HAVE ALL DRAINAGE PIPE INSTALLED AND CONNECTED PRIOR TO BACKFILLING WITH BALLAST ROCKS, FILTER FABRIC, ETC. CONTRACTOR SHALL ALSO COORDINATE ALL IRRIGATION INSTALLATION TO INSURE COMPLETE OPERATION LOGISTICS REGARDING IRRIGATION AND DRAINAGE.

THE LANDSCAPE CONTRACTOR SHALL PROVIDE THE PLANTERS WITH AN APPROVED SOIL MIX.

CONTRACTOR SHALL SUBMIT TO THE LANDSCAPE ARCHITECT A SOIL SAMPLE AND A SOIL MATERIAL RATIO CHART FOR APPROVAL PRIOR TO INSTALLATION OF THE SOIL. SOIL MIX SHALL BE A SPECIAL MIX TO PROVIDE POROSITY FOR DRAINAGE, AND CONTAIN AMENDMENTS (PERLITE OR SIMILAR) TO REDUCE SOIL DENSITY AND WEIGHT. SOIL MIX SHALL BE AS PER ATLAS PEAT AND SOIL OR TOM WATERS INC. SOIL MIX OR AN APPROVED EQUAL TO CONTAIN EQUAL OR FORMULATED RATIOS OF THE FOLLOWING:

1. SILICA
2. SOIL
3. COMPOST
4. PERLITE
5. SHAVINGS

THE CONTRACTOR SHALL BE RESPONSIBLE TO FILL THE PLANTING MIX TO A DEPTH WHICH WILL BE 4" FROM THE TOP OF THE PLANTING WALL. SOIL & BALLAST ROCK QUANTITIES ARE APPROX. & WILL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR FINAL GRADE AS PER THIS NOTE.

WALL IMPERMEABILIZATION, DRAINS AND EYE HOOKS SHALL BE PREPARED & INSTALLED BY THE GENERAL CONTRACTOR.

THE LANDSCAPE AND IRRIGATION CONTRACTORS SHALL COORDINATE ALL WORK WITH THE PROJECT MANAGER AND ALL PERTINENT SUBCONTRACTORS TO INSURE A PROFESSIONAL EXPEDITIOUS PROCESS.

ALL PLANTING BEDS SHALL BE MULCHED WITH AN APPROVED RECYCLED MULCH, OR AN APPROVED EQUAL. SEE 'LANDSCAPE NOTES'.

THE CONTRACTOR SHALL SUBMIT PHOTOS FOR ALL SPECIMEN PLANT MATERIAL (ALL PALMS AND TREES) TO THE L.A. FOR APPROVAL PRIOR TO PLANTING.

PLANTLIST			
SYM.	NATIVE	NAME	BOTANICAL NAME
SPECIFICATION			
PROPOSED TREES			
CGF	YES	3 SMALL LEAF CLUSIA	Clusia guttifera
TL		7 TREE LIGUSTRUM	Ligustrum japonicum
PLANKS			
AM3		5 CHRISTMAS PALM	Adonidia merrillii
VM3		12 MONTGOMERY PALMS	Veitchia montgomeryana
SHRUBS			
PO1		163 PODOCARPUS HEDGE	Podocarpus spp.
ACCENT PLANTS AND GROUNDCOVERS			
AEC		42 AECHEMEA BROMELIADS	Aechmea blanchetiana 'Orange'
ARA		260 s.f. PERENNIAL PEANUT	Arachis glabrata 'EcoTurf'
ANN		100 FLOWERING ANNUALS	Species, color to be sel.
CAT		7 CAT PALMS	Chamaedorea cataractarum
BL3		341 BLUEBERRY FLAX LILY	Dianella tasmanica
FG3		168 'GREEN ISLAND' FICUS	Ficus 'Green Island'
TOPSOIL:			
50 C.Y. '2100 MIX' FOR PLANTING-PER ATLAS PEAT AND SOIL FOR PLANTER BOXES			
BASED UPON A 2' DEPTH-CONTRACTOR SHALL VERIFY DEPTH PRIOR TO PLANTING.			
MULCHING:			
1 C.Y./- PINE BARK NUGGETS 3' DEPTH, SPREAD IN PLACE, ATLAS PEAT AND SOIL			
PROVIDE SAMPLE FOR APPROVAL PRIOR TO INSTALLATION			
--- TOPSOIL, SOD AND MULCH QUANTITIES SHOWN ARE APPROXIMATE, CONTRACTOR			
TO PROVIDE A UNIT PRICE PER UNIT AND WILL BE PAID ON THAT UNIT PRICE BASIS			
UPON FINAL INSPECTION AND APPROVAL.			

A WRITTEN TREE REMOVAL PERMIT IS REQUIRED FROM THE CITY OF MIAMI BEACH PRIOR TO REMOVAL OF ANY TREES OR PALMS FROM THIS SITE.

SEE SHEET L-2, L-3 FOR UPPER LEVEL LANDSCAPE PLANTINGS.

SEE SHEET L-4 FOR LANDSCAPE DETAILS, NOTES, SPECIFICATIONS, ETC.

SEE SHEET L-5 FOR BONDED AGGREGATE 'ADDAPAVE' DETAILS AND SPECIFICATIONS.

SEE SHEET L-6 FOR SILVA CELL DETAILS AND SPECIFICATIONS.

ROOF LEVEL
LANDSCAPE PLAN



APPROVED

MIAMI BEACH
MIAMI BEACH
340 WEST 42ND STREET MIAMI BEACH, FLORIDA
CATON OWNER, LLC
3521 ALTON RD SUITE 138, MIAMI BEACH, FL 33140

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LANDSCAPE ARCHITECT
MIAMI FL 33133

CIVIL ENGINEER:
MIAMI FL 33144

CONSULTANT:

CONSULTANT:

LIGHTING CONSULTANT:

SEAL / SIGNATURE / DATE

JAMES F. SOCCASH
RLA # 000132
SITE PLAN SUBMITTAL

OFFICE REGISTRATION #: AA C000465
Date Revision

Issue Issue Date / For

ARQ Project No.: 3346
Drawn by:
Approved by:

SHEET INDEX

L-3



0' 8' 16' 32'

SCALE: 1/16" = 1' - 0"



THE LANDSCAPE CONTRACTOR SHALL PROVIDE THE PLANTERS WITH AN APPROVED SOIL MIX.

CONTRACTOR SHALL SUBMIT TO THE LANDSCAPE ARCHITECT A SOIL SAMPLE AND A SOIL ANALYSIS RATIO CHART FOR APPROVAL PRIOR TO INSTALLATION OF THE SOIL. SOIL MIX SHALL BE A SPECIAL MIX TO PROVIDE, POROSITY FOR DRAINAGE, AND CONTAIN AMENDMENTS (PERLITE OR SIMILAR) TO REDUCE SOIL DENSITY AND WEIGHT. SOIL MIX SHALL BE AS PER ATLAS PEAT AND SOIL OR 10% WATERS INC. SOIL MIX OR AN APPROVED EQUAL TO CONTAIN EQUAL OR FORMULATED RATIOS OF THE FOLLOWING:

1. SILICA
2. CHERT
3. COMPOST
4. PERLITE
5. SHAVINGS

THE CONTRACTOR SHALL BE RESPONSIBLE TO FILL THE PLANTING MIX TO A DEPTH WHICH WILL BE 4" FROM THE TOP OF THE PLANTING WALL. SOIL & BALLAST ROCK QUANTITIES ARE APPROX. & WILL BE THE RESPONSIBILITY OF THE CONTRACTOR FOR FINAL GRADE AS PER THIS NOTE.

WALL IMPERMEABILIZATION, DRAINS AND EYE
HOOKS SHALL BE PREPARED & INSTALLED BY
THE GENERAL CONTRACTOR.

THE LANDSCAPE AND IRRIGATION CONTRACTORS
SHALL COORDINATE ALL WORK WITH THE
PROJECT MANAGER AND ALL PERTINENT
SUBCONTRACTORS TO INSURE A PROFESSIONAL
EXPEDITIOUS PROCESS.

ALL PLANTING BEDS SHALL BE MULCHED WITH AN
APPROVED RECYCLED MULCH, OR AN
APPROVED EQUAL. SEE "LANDSCAPE NOTES".

THE CONTRACTOR SHALL SUBMIT PHOTOS FOR
ALL SPECIMEN PLANT MATERIAL (ALL PALMS
AND TREES) TO THE L.A. FOR APPROVAL PRIOR
TO PLANTING.

SYM.	NATIVE	NAME	BOTANICAL NAME	SPECIFICATION
PROPOSED TREES				
TL	6	TREE LIGUSTRUM	Ligustrum japonicum	FL., FANCY, 8' x 8' full crown

ACCENT PLANTS AND GROUNDCOVERS				
BL3	222	BLUEBERRY FLAX LILY	<i>Dianella tasmanica</i>	3 gal., 12" x 18", 18" o.c., full
FG3	132	'GREEN ISLAND' FIGUS	<i>Ficus 'Green Island'</i>	3 gal., 18" x 18", 18" o.c., full

50 C.Y. '2100 MIX' FOR PLANTING-PER ATLAS PEAT AND SOIL FOR PLANTER BOXES
BASED UPON A 2' DEPTH-CONTRACTOR SHALL VERIFY DEPTH PRIOR TO PLANTING.

1 CY.-	PINE BARK NUGGETS	3' DEPTH, SPREAD IN PLACE, ATLAS FEAT AND SOIL PROVIDE SAMPLE FOR APPROVAL PRIOR TO INSTALLATION
---	TOPSOIL, SOD AND MULCH QUANTITIES SHOWN ARE APPROXIMATE, CONTRACTOR	TO PROVIDE A UNIT PRICE PER UNIT AND WILL BE PAID ON THAT UNIT PRICE BASIS UPON FINAL INSPECTION AND APPROVAL.

SEE SHEET L-5 FOR DEEPROOT SILVA CELLS,
BONDED AGGREGATE DETAILS AND
SPECIFICATIONS.

LIGHTING CONSULTANT:

SEAL / SIGNATURE / DATE

JAMES F. SOGASH
FLA # 0001132
SITE PLAN SUBMITTAL

OFFICE REGISTRATION #: AA C000465

Date		Revision
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Issue (#)	Issue Date / For
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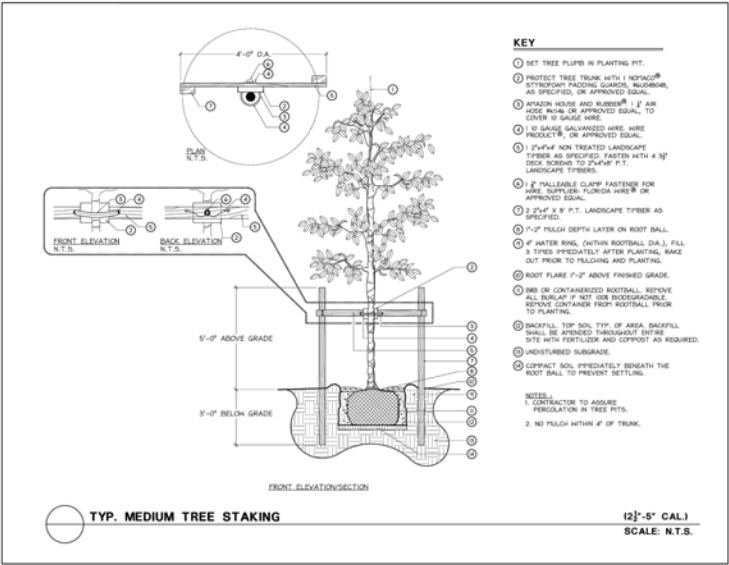
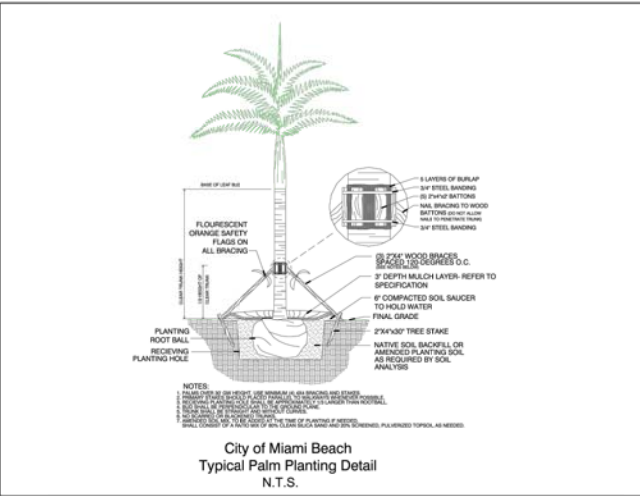
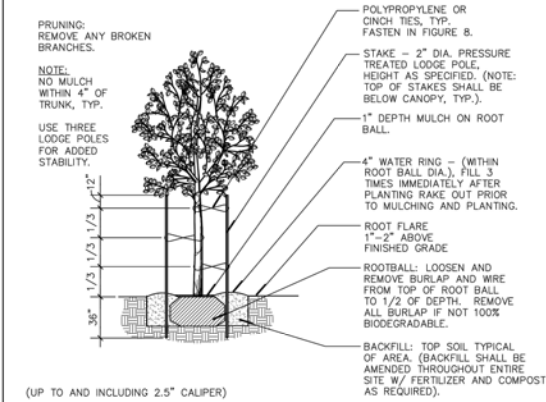
ARQ Project No.: 3346

Drawn by:

Approved by:

SHEET INDEX

L-3



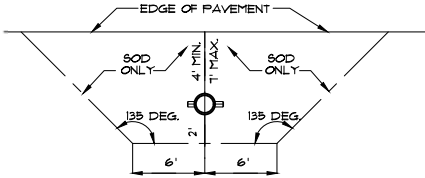
PLANTING SOIL:

NOTE: ALL LANDSCAPED AREAS INCLUDING LANDSCAPE ISLANDS SHALL BE EXCAVATED TO A DEPTH OF 2.0 FEET FOR REMOVAL OF ALL COMPACTED MATERIAL, LIMESTONE, ETC. AND BACKFILLED WITH A CLEAN, APPROVED BACKFILL. 50:50 TOPSOIL SHALL BE APPLIED TO A DEPTH OF 6\"/>

FERTILIZATION:

ONE COMPLETE APPLICATION OF GRANULAR FERTILIZER SHALL BE APPLIED PRIOR TO FINAL ACCEPTANCE AND APPROVAL BY THE LANDSCAPE ARCHITECT. AN ADDITIONAL FERTILIZATION PROGRAM SHALL BE SUBMITTED TO THE PROJECT MANAGER FOR AN ANNUAL FERTILIZATION APPLICATION PROGRAM. FERTILIZERS SHALL BE PER ATLANTIC AFEC FERTILIZER 4 CHEMICAL (AFEC) OR AN APPROVED EQUAL. CONTRACTOR SHALL SUBMIT FERTILIZATION AS A SEPARATE ITEM IN THE BID.

FERTILIZATION SHALL BE AS FOLLOWS: TREES: 12-06-08 (AFEC * 9231) RATE: 15 LBS/ INCH OF DIA. * DBH PALMS: 12-04-12 (AFEC * 1216) RATE: 15 LBS/ INCH OF DIA. * DBH SHRUBS AND GROUNDCOVERS: (12-06-08 AFEC * 9231) RATE: 15 OZ/ FT. OF HEIGHT



REQUIREMENTS APPLY TO FIRE HYDRANTS, SHAMOSE CONNECTIONS AND ANY OTHER FIRE EQUIPMENT FOR UTILIZING FIRE HOSE, ON PUBLIC OR PRIVATE PROPERTY. BY THE AUTHORITY OF THE SOUTH FLORIDA FIRE PREVENTION CODE SECTION 5212

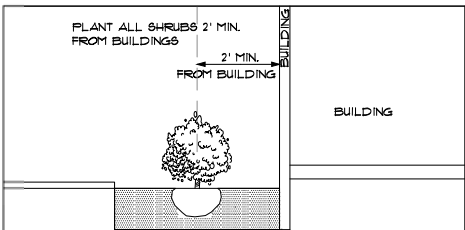
THIS DIAGRAM SHALL APPEAR ON ALL LANDSCAPE PLANS PRIOR TO APPROVAL.

THE CLEAR ZONE SHALL BE FREE OF LANDSCAPE (EXCEPT SOD), MAILBOXES, PARKING, LAMP-POSTS AND ALL OTHER OBJECTS.

EXCEPTIONS: OTHER FIRE FIGHTING EQUIPMENT OR TRAFFIC POSTS TO PREVENT FIRE FIGHTING EQUIPMENT.

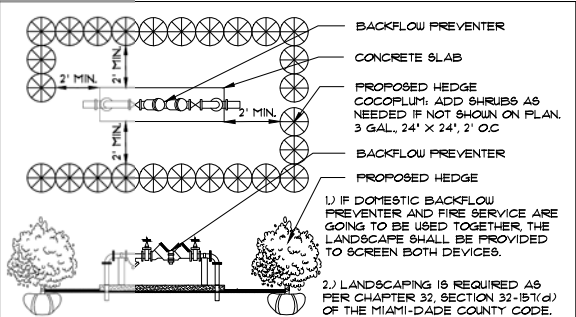
FIRE HYDRANT CLEAR ZONE

N.T.S.



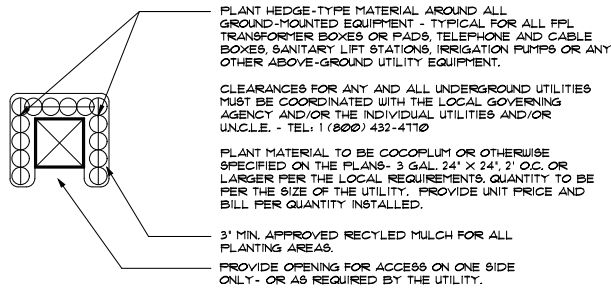
SHRUB PLANTINGS BUILDING DETAIL

N.T.S.



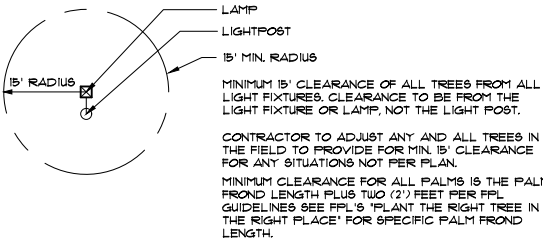
TYPICAL PLANTING SCREEN FOR ABOVE-GROUND UTILITIES

N.T.S.



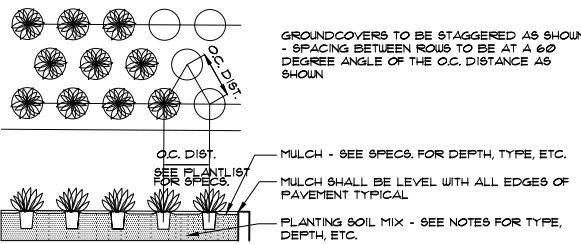
TYPICAL PLANTINGS FOR GROUND-MOUNTED EQUIPMENT

N.T.S.



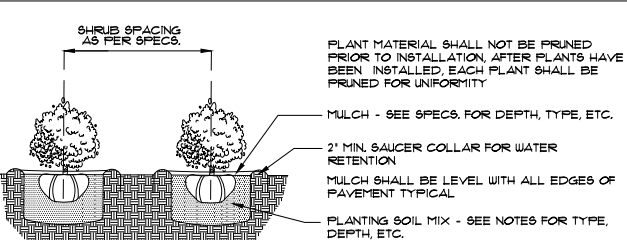
MINIMUM TREE CLEARANCE FROM LIGHT FIXTURES

N.T.S.



GROUNDCOVER DETAIL

N.T.S.



SHRUB PLANTING DETAIL

N.T.S.

LANDSCAPE NOTES

- ALL PLANT MATERIAL SHALL BE FLORIDA NO. 1 GRADE OR BETTER.
- CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE LOCATION OF AND AVOID AND PROTECT UTILITY LINES, BURIED CABLES, AND OTHER UTILITIES.
- TREE, PALM, ACCENT AND BED LINES ARE TO BE LOCATED IN THE FIELD AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- ALL PLANTING SOIL SHALL BE 50:50 TOPSOIL: SAND MIX FREE OF CLAY, STONES, ROCKS, OR OTHER FOREIGN MATTER. THIS SPECIFICATION INCLUDES ALL BACKFILL FOR BERRIS AND OTHER LANDSCAPE AREAS.

SODDED-LAWN AREAS
2\"/>
- THE SITE CONTRACTOR SHALL BE RESPONSIBLE TO BRING ALL GRADES TO WITHIN 2\"/>
- THE LANDSCAPE CONTRACTOR SHALL CALCULATE AND SUBMIT AN ITEMIZED PRICE FOR THE 2\"/>
- CONTRACTOR SHALL COORDINATE WITH THE IRRIGATION CONTRACTOR AND LEAVE PROVISIONS FOR ALL, INCLUDING UNDERGROUND UTILITY LINE LOCATIONS DIAL 811 NO CUTS AS REQUIRED BY LAWS.
- ALL PLANTING BEDS SHALL BE MULCHED TO A DEPTH OF 3\"/>
- SOD SHALL BE ARGENTINE 'BAHIA' OR ST. AUGUSTINE 'FLORATAM' AS SHOWN ON THE PLANS, STRONGLY ROOTED, FREE FROM WEED, FUNGUS, INSECTS AND DISEASE. CONTRACTOR SHALL SOD ALL AREAS AS INDICATED ON THE PLAN OR AS DIRECTED. PAYMENT SHALL BE DETERMINED BY THE TOTAL MEASURED SODDED AREAS X THE UNIT PRICE SUBMITTED AND FIELD VERIFIED.
- SOD SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS AS DEFINED BY FDOT. SOD SHALL CARRY A 5-MONTH WARRANTY.
- ALL TREES, PALMS, SHRUBS AND GROUNDCOVERS SHALL CARRY A ONE-YEAR WARRANTY FROM THE DATE OF FINAL ACCEPTANCE.
- ALL TREES AND PALMS SHALL BE STAKED PER ACCEPTED STANDARDS BY THE FLORIDA ARBORISTEN 4 GROWERS LANDSCAPE ASSOCIATION (FNGLA). THERE SHALL BE ONE FINAL INSPECTION FOR APPROVAL BY THE PRESIDING GOVERNING AGENCY. CONTRACTOR SHALL INSURE 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 INSPECTION.
- 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.
- IRRIGATION SHALL PROVIDE FOR A 100% COVERAGE WITH A 100% OVERLAP, AUTOMATIC 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.
- EXISTING IRRIGATION SYSTEM (IF APPLICABLE) SHALL BE RETROFITTED TO COMPLY WITH THOSE SPECIFICATIONS AS OUTLINED ABOVE.
- CONTRACTOR SHALL PROVIDE A WATER TRUCK DURING PLANTING TO INSURE PROPER WATERING-IN DURING INSTALLATION AND WILL BE RESPONSIBLE FOR CONTINUAL WATERING UNTIL FINAL ACCEPTANCE BY THE OWNER.
- ALL EXISTING TREES, PALMS AND PLANT MATERIAL TO REMAIN SHALL BE PROTECTED DURING CONSTRUCTION. CONTRACTOR SHALL INSTALL PROTECTIVE BARRIERS SUCH AS 'TENAX' PROTECTIVE FENCING OR AS SHOWN ON THE DETAILS TO BE INSTALLED AT THE BEGINNING OF THE PROJECT. BARRIERS SHALL BE LOCATED TO INCLUDE THE DRIFLINE OF THE TREES, PALMS AND PLANT MATERIAL WHERE POSSIBLE. THE CONTRACTOR SHALL TAKE EXTRA CAUTION TO PREVENT ANY DAMAGE TO THE TRUNK, BRANCHES, ROOTS, ROOT ZONE AREAS AND ADJACENT GRADES.
- EXISTING TREES AND PALMS TO REMAIN SHALL BE TRIMMED PER ANSI-300 STANDARDS. SUPERVISION OF THE TRIMMING SHALL BE PERFORMED BY AN ISA-CERTIFIED ARBORIST.
- ALL EXISTING TREES AND PALMS SHALL BE 'LIFTED AND THINNED' TO PROVIDE FOR AN 8' MINIMUM CLEARANCE FOR SIDEWALKS AND PEDESTRIAN WALKWAYS AND A 14' MINIMUM CLEARANCE FOR ROADWAYS, DRIVEWAYS, AND ALL VEHICULAR USE AREAS.
- REMOVAL OF ANY TREES OR PALMS WILL REQUIRE A WRITTEN 'TREE REMOVAL PERMIT' FROM THE LOCAL GOVERNING AGENCY PRIOR TO REMOVAL.
- ALL PLANTINGS IN NON-IRRIGATED AREAS, I.E. RIGHTS OF WAYS, SWALES, ETC. SHALL BE WATERED-IN THOROUGHLY AND CONTINUED TO BE WATERED THROUGHOUT UNTIL C.O. ACCEPTANCE. COORDINATE WITH OWNER AND PROJECT MANAGER TO PROVIDE POST C.O. WATERING TO INSURE PLANT ESTABLISHMENT FOR A MINIMUM OF ONE YEAR AFTER CERTIFICATE OF OCCUPANCY ACCEPTANCE.

APPROVED

MIAMI BEACH
MIAMI BEACH
340 WEST 42ND STREET MIAMI BEACH, FLORIDA
CATON OWNER, LLC
3551 ALTON RD SUITE 138, MIAMI BEACH, FL 33140

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MIAMI, FL 33122

LANDSCAPE ARCHITECT

MIAMI FL 33133

CIVIL ENGINEER:

MIAMI FL 33144

CONSULTANT:

CONSULTANT:

LIGHTING CONSULTANT:

SEAL / SIGNATURE / DATE

JAMES F. SOCCASH
R.L.A. # 000132
SITE PLAN SUBMITTAL

OFFICE REGISTRATION #: AA C000465

Date Revision

Issue Issue Date / For

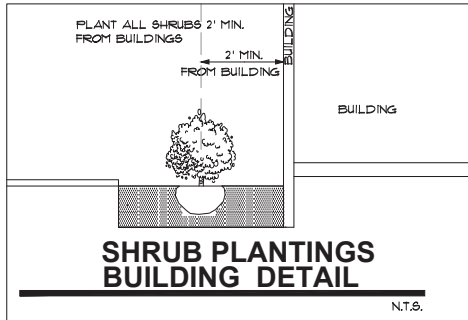
ARQ Project No.: 3346

Drawn by:

Approved by:

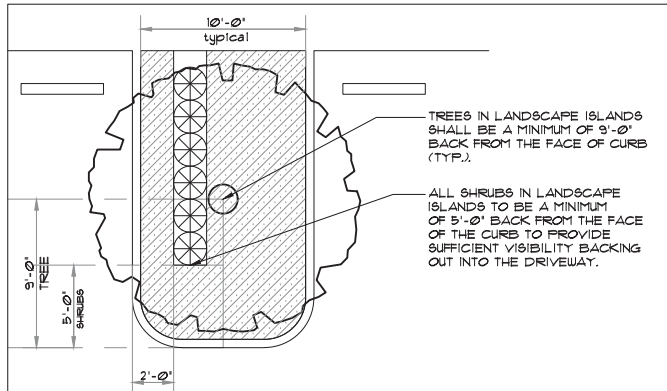
SHEET INDEX

L-4



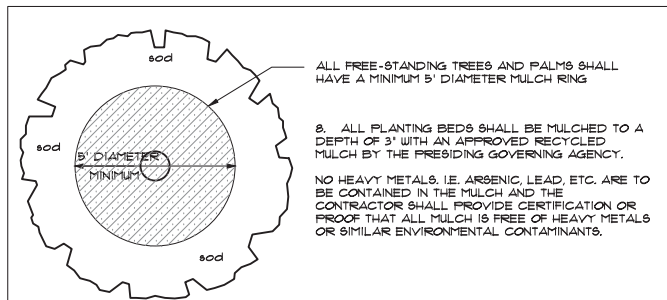
SHRUB PLANTINGS
BUILDING DETAIL

N.T.S.



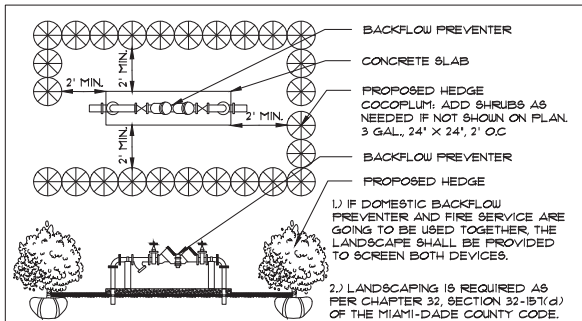
TYPICAL LANDSCAPE ISLAND
PLANTING STANDARDS

N.T.S.



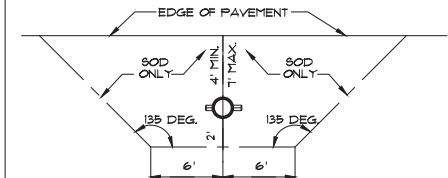
TYPICAL MULCH RING FOR
FREE-STANDING TREES AND PALMS

N.T.S.



TYPICAL PLANTING SCREEN FOR
ABOVE-GROUND UTILITIES

N.T.S.



REQUIREMENTS APPLY TO FIRE HYDRANTS,
SIAMSE CONNECTIONS AND ANY OTHER FIRE
EQUIPMENT FOR UTILIZING FIRE HOSE, ON
PUBLIC OR PRIVATE PROPERTY.

BY THE AUTHORITY OF THE SOUTH FLORIDA
FIRE PREVENTION CODE SECTION 5212

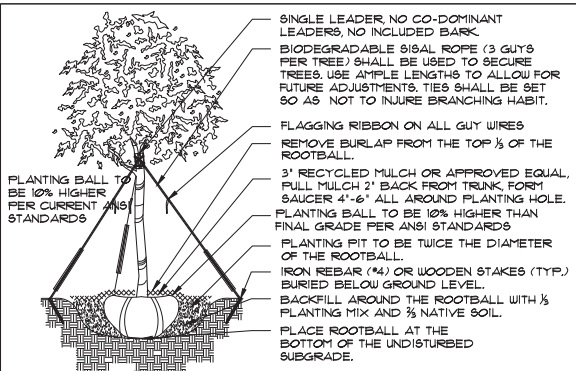
THIS DIAGRAM SHALL APPEAR ON ALL
LANDSCAPE PLANS PRIOR TO APPROVAL.

THE CLEAR ZONE SHALL BE FREE OF
LANDSCAPE (EXCEPT SOD), MAILBOXES,
PARKING LAMP-POSTS AND ALL OTHER
OBJECTS.

EXCEPTIONS: OTHER FIRE FIGHTING EQUIPMENT
OR TRAFFIC POSTS TO PREVENT FIRE FIGHTING
EQUIPMENT.

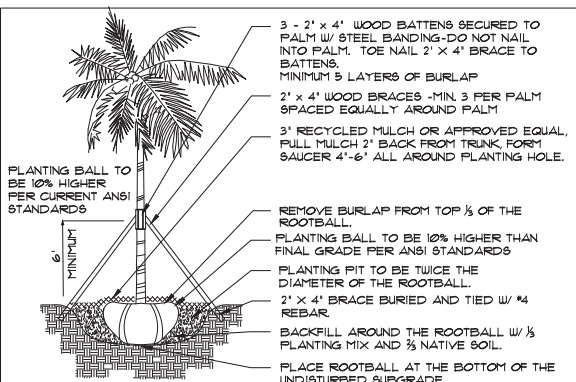
FIRE HYDRANT
CLEAR ZONE

N.T.S.



TREE PLANTING DETAIL

N.T.S.



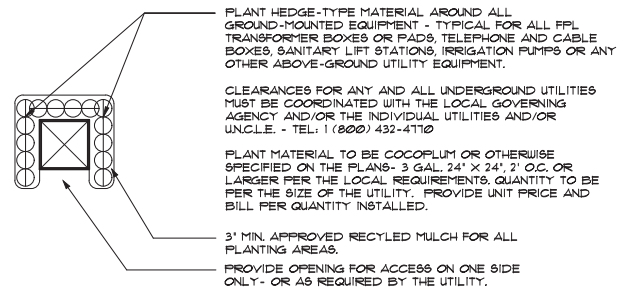
PALM PLANTING DETAIL

N.T.S.

FERTILIZATION:

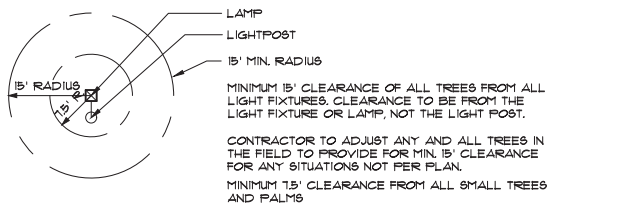
ONE COMPLETE APPLICATION OF GRANULAR
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ACCEPTANCE AND APPROVAL BY THE LANDSCAPE
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MANAGER FOR AN ANNUAL FERTILIZATION
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ATLANTIC -AFEC FERTILIZER 4 CHEMICAL (AFEC) OR
AN APPROVED EQUAL. CONTRACTOR SHALL SUBMIT
FERTILIZATION AS A SEPARATE ITEM IN THE BID.

FERTILIZATION SHALL BE AS FOLLOWS: TREES:
(2-06-08 (AFEC # 5231) RATE: 15 LBS./ INCH
OF D.I.A. # DBH PALMS: (2-04-12 (AFEC # 1216)
RATE: 15 LBS./ INCH OF D.I.A. # DBH SHRUBS
AND GROUNDCOVERS: (12-06-08 AFEC #
5231) RATE: 15 OZ./ FT. OF HEIGHT



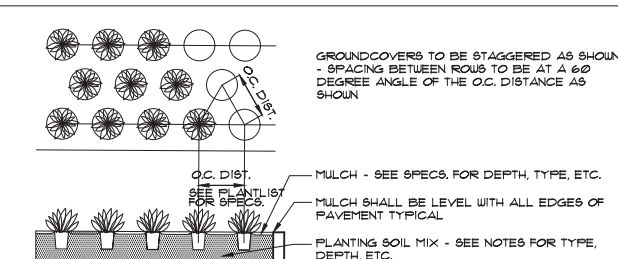
TYPICAL PLANTINGS FOR
GROUND-MOUNTED EQUIPMENT

N.T.S.



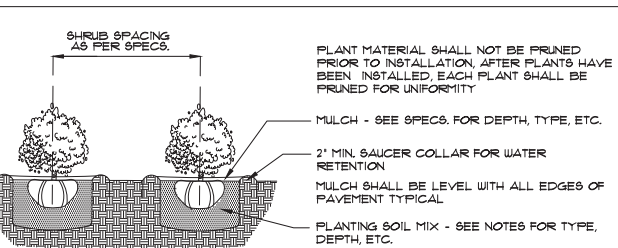
MINIMUM TREE CLEARANCE
FROM LIGHT FIXTURES

N.T.S.



GROUNDCOVER DETAIL

N.T.S.



SHRUB PLANTING DETAIL

N.T.S.

LANDSCAPE NOTES

- ALL PLANT MATERIAL SHALL BE FLORIDA NO. 1 GRADE OR BETTER.
- CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE LOCATION OF AND
AVOID AND PROTECT UTILITY LINES, BURIED CABLES, AND OTHER UTILITIES.
- TREE, PALM, ACCENT AND BED LINES ARE TO BE LOCATED IN THE FIELD
AND APPROVED BY THE LANDSCAPE ARCHITECT PRIOR TO INSTALLATION.
- ALL PLANTING SOIL SHALL BE 50:50 TOPSOIL:SAND MIX, FREE OF CLAY,
STONES, ROCKS, OR OTHER FOREIGN MATTER. THIS SPECIFICATION INCLUDES
ALL BACKFILL FOR BEDS AND OTHER LANDSCAPE AREAS.

SODDED-LAWN AREAS
2' DEPTH PLANTING SOIL SPREAD IN PLACE- THROUGHOUT.
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:
24' DEPTH PLANTING SOIL SPREAD IN PLACE OR TO THE DEPTH OF
THE ROOTBALL OR CONTAINER WHICHEVER IS GREATEST.

LANDSCAPE ISLANDS AND BUILDING FOUNDATIONS:
EXCAVATE AND REMOVE ALL LIMESTONE, ROCKS, DEBRIS, ETC. TO A
DEPTH OF 18" AND BACKFILL W/ 50:50 TOPSOIL:SAND MIX.
BUILDING FOUNDATIONS SHALL BE THE SAME DEPTH TO A WIDTH OF
36" FROM THE BUILDING BASE.

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. CONTRACTOR SHALL COORDINATE WITH THE IRRIGATION CONTRACTOR AND
LEAVE PROVISIONS FOR ALL, INCLUDING UNDERGROUND UTILITY LINE LOCATIONS
DIAL 811 "NO CUTS" AS REQUIRED BY LAW.

8. ALL PLANTING BEDS SHALL BE MULCHED TO A DEPTH OF 3" WITH AN
APPROVED RECYCLED MULCH BY THE PRESIDING GOVERNING AGENCY. NO
HEAVY METALS, I.E. ARSENIC, LEAD, ETC. ARE TO BE CONTAINED IN THE MULCH
AND THE CONTRACTOR SHALL PROVIDE CERTIFICATION OR PROOF THAT ALL
MULCH IS FREE OF HEAVY METALS OR SIMILAR ENVIRONMENTAL CONTAMINANTS.

9. SOD SHALL BE ARGENTINE "BAHIA" OR ST. AUGUSTINE "FLORATAM" AS SHOWN
ON THE PLANS, STRONGLY ROOTED, FREE FROM WEED, FUNGUS, INSECTS AND
DISEASE. CONTRACTOR SHALL SOD ALL AREAS AS INDICATED ON THE PLAN
OR AS DIRECTED. PAYMENT SHALL BE DETERMINED BY THE TOTAL MEASURED
SODDED AREAS X THE UNIT PRICE SUBMITTED AND FIELD VERIFIED.

10. SOD SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS AS
DEFINED BY FDOT. SOD SHALL CARRY A 5-MONTH WARRANTY.

11. ALL TREES, PALMS, SHRUBS AND GROUNDCOVERS 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 & GROUERS LANDSCAPE ASSOCIATION (FNLGA).
THERE SHALL BE ONE FINAL INSPECTION FOR APPROVAL BY THE PRESIDING
GOVERNING AGENCY. CONTRACTOR SHALL INSURE 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 INSPECTION.

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. IRRIGATION SHALL PROVIDE FOR A 100% COVERAGE WITH A 100%
OVERLAP, AUTOMATIC 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.

15. EXISTING IRRIGATION SYSTEM (IF APPLICABLE) SHALL BE RETROFITTED TO
COMPLY WITH THOSE SPECIFICATIONS AS OUTLINED ABOVE.

16. CONTRACTOR SHALL PROVIDE A WATER TRUCK DURING PLANTING TO
INSURE PROPER WATERING IN DURING CONSTRUCTION. CONTRACTOR SHALL BE RESPONSIBLE
FOR CONTINUAL WATERING UNTIL FINAL ACCEPTANCE BY THE OWNER.

17. ALL EXISTING TREES, PALMS AND PLANT MATERIAL TO REMAIN SHALL BE
PROTECTED DURING CONSTRUCTION. CONTRACTOR SHALL INSTALL PROTECTIVE
BARRIERS SUCH AS "TENAX" PROTECTIVE FENCING OR AS SHOWN ON THE
DETAILS TO BE INSTALLED AT THE BEGINNING OF THE PROJECT. BARRIERS
SHALL BE LOCATED TO INCLUDE THE DRIPLINE OF THE TREES, PALMS AND
PLANT MATERIAL WHERE POSSIBLE. THE CONTRACTOR SHALL TAKE EXTRA
CAUTION TO PREVENT ANY DAMAGE TO THE TRUNK, BRANCHES, ROOTS, ROOT
ZONE AREAS AND ADJACENT GRADES.

18. EXISTING TREES AND PALMS TO REMAIN SHALL BE TRIMMED PER ANSI-300
STANDARDS. SUPERVISION OF THE TRIMMING SHALL BE PERFORMED BY AN
ISA-CERTIFIED ARBORIST.

19. ALL EXISTING TREES AND PALMS SHALL BE "LIFTED AND THINNED" TO
PROVIDE FOR AN 8' MINIMUM CLEARANCE FOR SIDEWALKS AND PEDESTRIAN
WALKWAYS AND A 14' MINIMUM CLEARANCE FOR ROADWAYS, DRIVEWAYS, AND
ALL VEHICULAR USE AREAS.

20. REMOVAL OF ANY TREES OR PALMS WILL REQUIRE A WRITTEN "TREE
REMOVAL PERMIT" FROM THE LOCAL GOVERNING AGENCY PRIOR TO REMOVAL.

21. ALL PLANTINGS IN NON-IRRIGATED AREAS, I.E. RIGHTS OF WAYS, SWALES, ETC.
SHALL BE WATERED-IN THOROUGHLY AND CONTINUED TO BE WATERED
THROUGHOUT UNTIL C.O. ACCEPTANCE. COORDINATE WITH OWNER AND PROJECT
MANAGER TO PROVIDE POST C.O. WATERING TO INSURE PLANT ESTABLISHMENT
FOR A MINIMUM OF ONE YEAR AFTER CERTIFICATE OF OCCUPANCY
ACCEPTANCE.

MIAMI BEACH
MIAMI BEACH
340 WEST 42ND STREET MIAMI BEACH, FLORIDA
CATON OWNER, LLC
3821 ALTON RD SUITE 238, MIAMI BEACH, FL 33140

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LANDSCAPE ARCHITECT

MIAMI FL 33133

CIVIL ENGINEER:

MIAMI FL 33144

CONSULTANT:

CONSULTANT:

LIGHTING CONSULTANT:

SEAL / SIGNATURE / DATE

JAMES F. SOCCASH
R.L.A. # 000132
SITE PLAN SUBMITTAL

OFFICE REGISTRATION #: AA C000465

Date Revision

Issue Issue Date / For

ARQ Project No.: 3346

Drawn by:

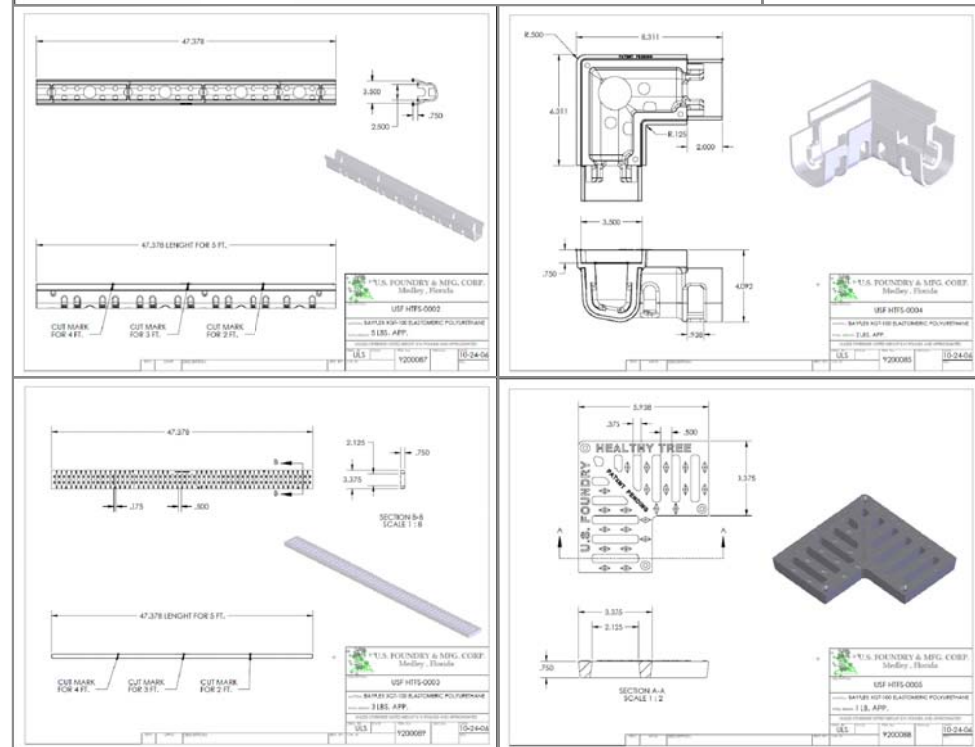
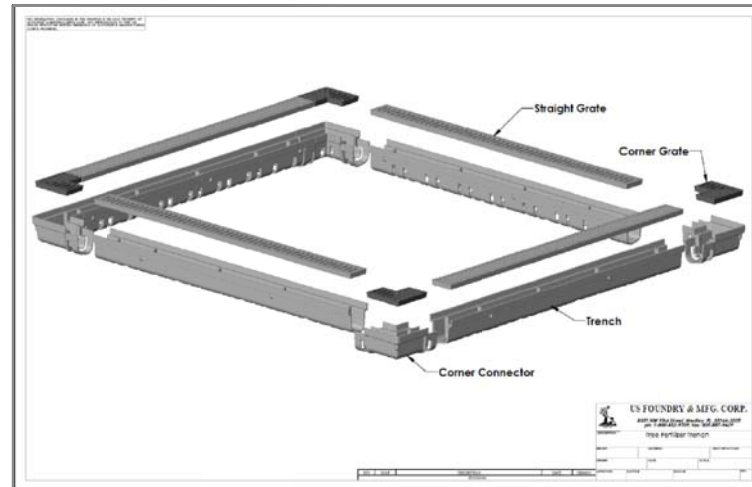
Approved by:

SHEET INDEX

NOTES, DETAILS,
SPECIFICATIONS, ETC.



L-4



BONDED AGGREGATE "ADDAPAVE" TYPICAL DETAILS



SILVA CELL SYSTEM LAYOUT INSTRUCTIONS

01	02
 Shin-Carl's mission began in 1983, and it was supposed to provide a model of environmentalism. Accordingly, the mission included the three activities: <i>Discover, Share, and Inspire</i>, and <i>Share</i> and <i>Inspire</i>. The understanding of each of these activities is critical to the mission's objectives. The Shin-Carl team's purpose, then, was to provide the <u>best</u> of the Shin-Carl team.	Shin-Carl's mission began in 1983, and it was supposed to provide a model of environmentalism. Accordingly, the mission included the three activities: <i>Discover, Share, and Inspire</i>, and <i>Share</i> and <i>Inspire</i>. The understanding of each of these activities is critical to the mission's objectives. The Shin-Carl team's purpose, then, was to provide the <u>best</u> of the Shin-Carl team.
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03

STAIRS

The stairs should be located in the central corridor, adjacent to the main entrance, and should be accessible from all levels of the building.

The stairs should be constructed of steel, with a maximum width of 10 feet, and should be able to accommodate a maximum of 100 people.

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[illegible]

Figure 1

When using installed in new pavements, there should be a minimum of 2" of concrete and a maximum of 6" inches below the finished finished grade of the subgrade. 10" of concrete base with all aggregate within 18" of the surface. The new subgrade should be at least 18" in total and for the two levels will get beneath the surface and cause damage to surrounding structures. A grade and corner street or multiple lanes may require a full depth, including curbs and all adjacent areas to be replaced.

Figure 2

Diagram illustrating the Chameleon Ways system installed in a trench. The diagram shows the trench depth, the gravel base, the concrete curb, and the gravel surface. Labels include: "Gravel Base", "Concrete Curb", "Gravel Surface", "Trench Depth", "Gravel Base", "Concrete Curb", "Gravel Surface", "Trench Depth", "Gravel Base", "Concrete Curb", "Gravel Surface", "Trench Depth". Dimensions include: "18\"

CHAMELEON WAYS
NATURAL AGGREGATE CURB SOLUTIONS

Chameleon Ways Inc. 11514 367th Street, Surrey, BC V4N 1B2
 ☎ 604-476-1002 ☎ 604-707-4656
 E chameleonways@chameleonways.com W www.chameleonways.com

[illegible]

DEEPROOT SILVA CELL
 SUSTAINING ECOSYSTEM SERVICES TO THE URBAN ENVIRONMENT

INTEGRATED TREE, SOIL AND STORMWATER SYSTEM

[illegible]

MATERIALS LIST			
SYM.	NATIVE	NAME	BOTANICAL NAME SPECIFICATION
"DEEPROOT" SILVA CELLS			
148	SILVA CELLS	2'x SILVA CELL 2' TO PROVIDE 12' DEPTH	
		PER MANUFACTURER'S SPECIFICATIONS,	
25 cy.	"5050 MIX" FOR PLANTING-PER ATLAS PEAT AND SOIL		
CONTRACTOR SHALL MAKE PROVISIONS FOR ALL EXISTING AND PROPOSED UTILITIES, (ABOVE AND BELOW GROUND) AND SHALL BE RESPONSIBLE TO PROTECT THROUGHOUT THE CONSTRUCTION PROCESS.			

CONTRACTOR SHALL BE RESPONSIBLE TO PREPARE AND INSTALL ALL COMPONENTS FOR 'DEEPROOT SILVA CELL' PER MANUFACTURERS STANDARDS WITH INSPECTION AND APPROVAL TO BE SECURED BY THE PROJECT LANDSCAPE ARCHITECT AND THE CITY THROUGHOUT THE PROCESS, TO INCLUDE INSPECTION AND APPROVAL DURING, PRIOR TO SOIL BACKFILLING, AND ALL PHASES AS DEEMED NECESSARY BY THE PROJECT LANDSCAPE ARCHITECT AND THE CITY OF MIAMI BEACH.

DEEPROOT SILVA CELLS, BONDED AGGREGATE, DETAILS, ETC.

MIAMI BEACH
MIAMI BEACH
340 WEST 42ND STREET MIAMI BEACH, FLORIDA
CATON OWNER, LLC
3921 ALTON RD SUITE 138, MIAMI BEACH, FL 33140

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LANDSCAPE ARCHITECT

[illegible]

CIVIL ENGINEER

MIAMI FL 33144

CONSULTANT:

CONSULTANT:

LIGHTING CON

SEAL / SIGNATURE / DATE

JAMES F. SOGASH
R.L.A. # 0001132

SITE PLAN SUBMITTAL

[illegible]

SHEET INDEX

L-5

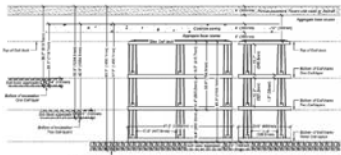
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SILVA CELL SYSTEM LAYOUT INSTRUCTIONS

DeepRoot

03



1. The volume of water within the Silva Cells will be roughly equivalent to 25% of the total stormwater soil volume (2,812 cu yd per frame).
2. There are many ways for stormwater to be brought into and out of the Silva Cell system. This is highly project specific, but we would be happy to discuss your project to help you find the best fit. Please consult with DeepRoot if you have stormwater specific questions.
3. Balance the required soil volume for soil routing with required soil volume for stormwater treatment.
4. Provide approximately 1,000 to 200 cu yd of soil for an emergency flow and 600 to 175 cu yd of soil for an emergency flow. Stormwater treatment volumes will vary based on project location and goals.
- CREATING YOUR DESIGN CELL PLAN**
- Standard Silva Cell dimensions are approximately 1' x 1.5' x 1.5' (1.5' x 1.5' x 1.5' in ft).
- 1-Frame stack = 14.1" (14.1" x 1.5' x 1.5')
- 2-Frame stack = 28.2" (28.2" x 1.5' x 1.5')
- 3-Frame stack = 42.3" (42.3" x 1.5' x 1.5')
- The standard spacing required between Silva Cells is 1" (2" min x 1.5" max). These dimensions should be used for all standard Silva Cell layouts. As long as you maintain a 1" (2" min x 1.5" max) gap between each stack they can be oriented in a layout that best accommodates your site needs.
1. Determine the available area for Silva Cell placement based on existing and proposed site conditions.

01



Silva Cell system layout is not complicated, but it does require general product orientation. Accordingly, this document is divided into three sections: General Principles, Using a Silva Cell System, and Layout Guidelines. An understanding of each of these sections is critical for the successful integration of the Silva Cell into your site plan. Use these guidelines with the **Standard Silva Cell details**.

GENERAL PRINCIPLES

The Silva Cell system is designed to be installed beneath paved areas such as sidewalks, plazas, and parking lots. Different pavement types (concrete, asphalt, or pavers) require different placement profiles in order to meet the 30' loading requirements. The Silva Cell system is not designed to support high speed traffic loads. Consult our standard details for more information.

Understand how utilities, walls, water tables and structures might affect your Silva Cell layout. Silva Cells can often accommodate existing and proposed utilities and structures, but planning for this integration is critical for a successful layout and installation. Share your Silva Cell layout with the project Civil Engineer in order to work around size and utility conflicts early in the process.

Silva Cells allow growth of large trees that, with adequate soil volumes, proper installation and care, will reach the size mature size. This tree will grow to have a large canopy and a significant trunk flow that your design should accommodate.

Whenever possible, link Silva Cell soil volumes to each other or to existing nearby soil volumes such as parks or trees.

USING A SILVA CELL SYSTEM

1. Determine the Silva Cell system will be used to grow big trees or grow big trees and local stormwater.

2. Silva Cells are used to provide soil to grow large trees, but can also be used to treat stormwater. Determine your project goals for using Silva Cells and begin to think about how to size and design your system accordingly.

3. For large trees, consider how the Silva Cell system can use a positive irrigation system. If positive irrigation is not a possibility, make sure to include irrigation in your plans.

4. For large trees and stormwater, consider how to distribute the stormwater throughout the Silva Cell system and be into overall site drainage.

5. Use "Stormwater Retention" for stormwater management in the Silva Cells.

04



1. Use current site base data, including that not listed on structures, utilities, roads and landscape plans to evaluate all potential conflicts with the Silva Cell system.

2. Determine the depth of your Silva Cell system. This will depend on available space, target soil volume, and budget.

3. Silva Cells can be stacked 1, 2, or 3 frames deep. Once you determine the maximum depth that can be accommodated, refer to "Construction Details for Silva Cells" to determine how the Silva Cell system will fit into your site area.

4. Silva Cells allow growth of large trees that, with adequate soil volumes, proper installation and care, will reach the size mature size. This tree will grow to have a large canopy and a significant trunk flow that your design should accommodate.

5. Use "Stormwater Retention" for stormwater management in the Silva Cells.

6. Determine the available area for Silva Cell placement based on existing and proposed site conditions.

7. Determine the available area for Silva Cell placement based on existing and proposed site conditions.

8. Determine the available area for Silva Cell placement based on existing and proposed site conditions.

9. Determine the available area for Silva Cell placement based on existing and proposed site conditions.

10. Determine the available area for Silva Cell placement based on existing and proposed site conditions.

11. Determine the available area for Silva Cell placement based on existing and proposed site conditions.

12. Determine the available area for Silva Cell placement based on existing and proposed site conditions.

02

2. Determine the optimal tree size that you would like to achieve on your site.

3. Use "How Much Soil to Grow a Big Tree" to find a target soil volume for your ideal tree size.

4. A simple rule of thumb for target soil volume is to provide 1,000 to 2,000 cu yd of soil for a canopy tree and 500 to 1,000 cu yd of soil for an emergency tree. You can also use a general 1:1 ratio of Soil Volume: Canopy Flow. These can also show soil volume, an efficient way to provide existing volume is to connect planters together. Shaded soil volume targets are typically around 600 to 1,000 cu yd per canopy tree.

5. Determine the volume of available soil available outside of the Silva Cell system.

6. Make your tree openings as large as possible. Due to lack of infrastructure, this is the cheapest soil available. Large tree openings will also accommodate the size of a mature tree.

7. Whenever possible, link Silva Cell soil volumes to each other or to existing nearby soil volumes, such as parks or trees.

8. Calculate the Available Soil Volume in the area of work, including available soil in the landscape themselves, as well as adjacent open space that the Silva Cells can link to the parks, trees, etc.

9. Determine how many Silva Cells are needed to meet the target soil volume.

Each Silva Cell holds approximately 10 to 15 cu yd of soil.

Target Soil Volume = (Available Soil Volume) x (Soil in Silva Cells)

For example: The target soil volume is 1,000 to 2,000 cu yd. Each tree has a 4' x 4' tree opening and the Silva Cell system will be 2 frames deep. The depth of planting media in the Silva Cell and adjacent tree opening would be approximately 0.75' x 0.75' x 4' = 2.25 cu yd.

1,000 cu yd ÷ 2.25 cu yd = 444 Silva Cells needed in Silva Cells

2 frames deep per tree = 888 Silva Cells needed in Silva Cells

Since we're using 2 frames deep, 888 ÷ 2 = 444 Silva Cells

Since we can't have 0.5 Silva Cells, we round up to 444 Silva Cells

444 Silva Cells x 2 frames deep = 888 Silva Cells needed in Silva Cells

888 Silva Cells x 1,000 to 2,000 cu yd of soil = 888,000 to 1,776,000 cu yd of soil provided

240 cu yd ÷ 2.25 cu yd = 106.7 Silva Cells needed in Silva Cells

106.7 Silva Cells x 2 frames deep = 213.4 Silva Cells needed in Silva Cells

213.4 Silva Cells x 1,000 to 2,000 cu yd of soil = 213,400 to 426,800 cu yd of soil provided

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MATERIALS LIST				
SYM.	NATIVE	NAME	BOTANICAL NAME	SPECIFICATION
"DEEPROOT" SILVA CELLS				
64	SILVA CELLS	2'X SILVA CELL 2' TO PROVIDE 12' DEPTH		
PER MANUFACTURER'S SPECIFICATIONS.				
26	cy.	"5050 MIX" FOR PLANTING-PER ATLAS PEAT AND SOIL		
CONTRACTOR SHALL MAKE PROVISIONS FOR ALL EXISTING AND PROPOSED UTILITIES, (ABOVE AND BELOW GROUND) AND SHALL BE RESPONSIBLE TO PROTECT THROUGHOUT THE CONSTRUCTION PROCESS.				

DEEPROOT SILVA CELL

RECURRING ARCHITECTURE SERVICES TO THE URBAN ENVIRONMENT

INTEGRATED TREE, SOIL AND STORMWATER SYSTEM

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Canada: (800) 561-3553

United Kingdom: +44 (0) 207 849 2738

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DEEPROOT SILVA CELLS, DETAILS, ETC.



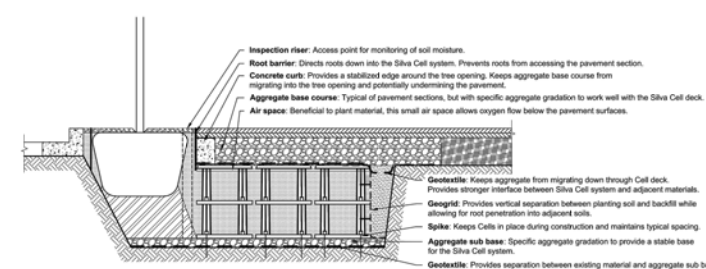
SILVA CELLS FOR PLAZA APPLICATIONS

Numbers in detail titles (1.1, 2.1, 3.2, etc.) denote the number of layers of Silva Cell frames. Basic paving details are all available in one, two, and three layers.

These are a generic representation of a plaza and should be modified to depict actual project conditions.

- Concrete 1.0
Concrete 2.0
Concrete 3.0
Pavers, Asphalt & Porous Pavements 1.0
Pavers, Asphalt & Porous Pavements 2.0
Pavers, Asphalt & Porous Pavements 3.0

SILVA CELL SYSTEM COMPONENTS



- NOTES:
1. Installation to be completed in accordance with manufacturer's specifications.
2. Do not scale drawings.
Customer: Conditions that vary from drawings must be evaluated by a qualified Engineer and appropriate adjustments made.

Silva Cells
for
PLAZA
APPLICATIONS

INDEX



W. 42nd Street

APPROVED

MIAMI BEACH
MIAMI BEACH
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MIAMI FL 33144

CONSULTANT:

CONSULTANT:

LIGHTING CONSULTANT:

SEAL / SIGNATURE / DATE

JAMES F. SOGASH
RLA # 0001132
SITE PLAN SUBMITTAL

OFFICE REGISTRATION #: AA C000465

Date		Revision
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Issue #	Issue Date / For
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ARQ Project No.: 3346

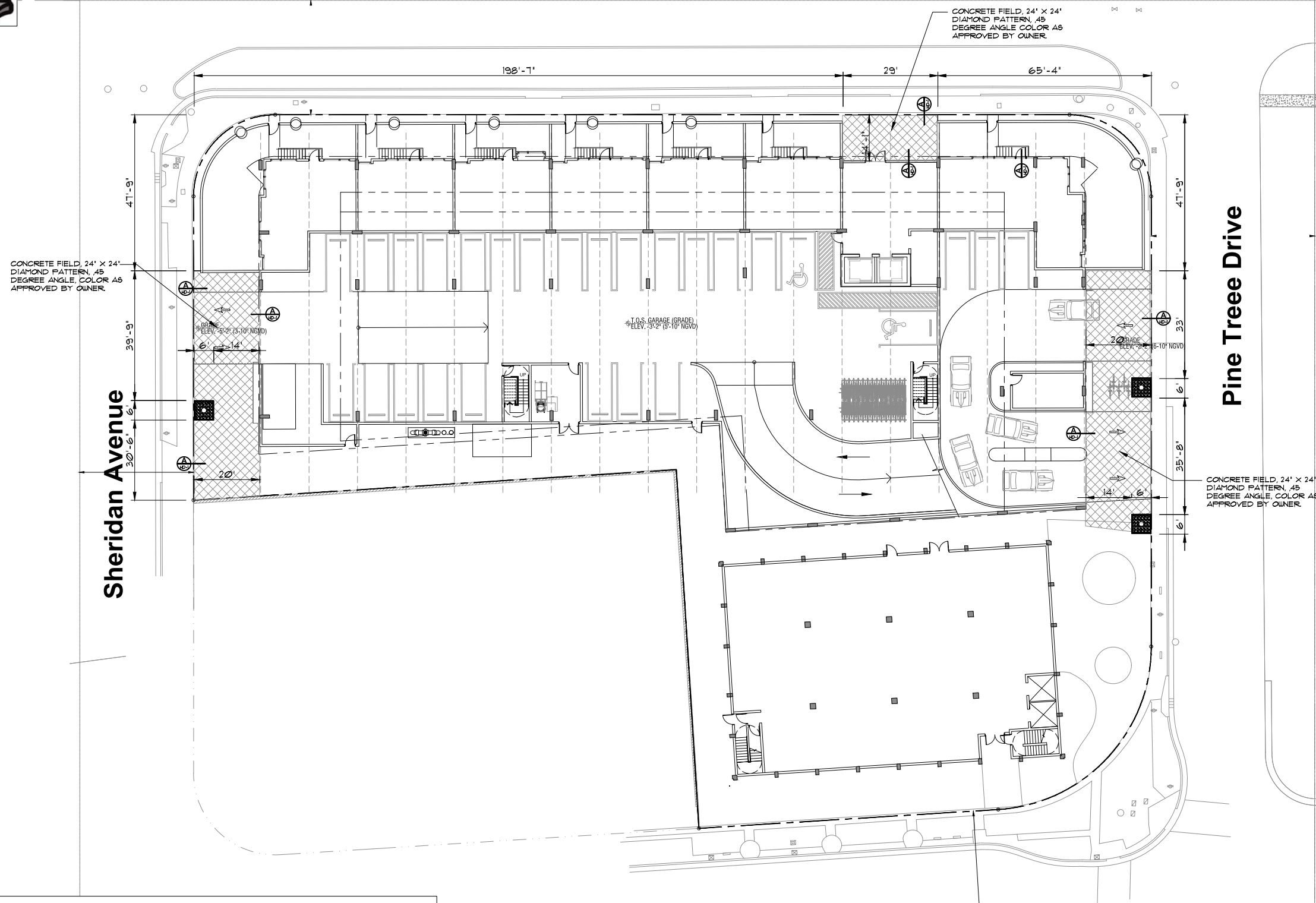
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W. 41st Street
Arthur Godfrey Road

north



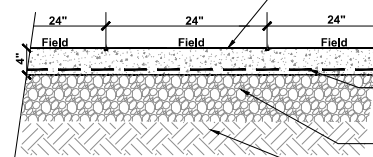
0' 8' 16' 32'
SCALE: 1/16" = 1' - 0"

GROUND LEVEL HARDSCAPE PLAN



- FINISH GRADE PER CIVIL DRAWINGS
- SLOPE TO DRAIN OR PER CIVIL DRAWINGS
- INSTALLATION PER MANUFACTURERS SPECIFICATIONS

- BROOM FINISHED CONCRETE FIELD
COLOR AS APPROVED BY OWNER
24" x 24" x 1/2" (DEPTH) SCORE LINES, ROUNDED EDGES
DIAMOND PATTERN 45° ANGLE PER PLANS.
PROVIDE SAMPLE TO OWNER FOR APPROVAL PRIOR TO
INSTALLATION.



— 6' X 6' WELDED WIRE MESH AS SHOWN

— 12' COMPACTED BASE, LBR 40 (95% DENSITY)

— COMPACTED SUB-BASE (95% DENSITY) PER AASHTO T-180

A TYPICAL SECTION HD-1 CONCRETE WALKWAYS

N.T.S

16-26

W. 42nd Street

Sheridan Avenue

Pine Tree Drive

W. 41st Street
Arthur Godfrey Road

north

0' 8' 16' 32'
SCALE: 1/16" = 1'-0"

GROUND LEVEL
HARDSCAPE PLAN

FINISHED GRADE PER CIVIL DRAWINGS
SLOPE TO DRAIN PER CIVIL DRAWINGS
INSTALLATION PER MANUFACTURER'S
SPECIFICATIONS

FIELD:
BROOM FINISHED CONCRETE FIELD COLOR: AS
APPROVED BY OWNER 24" X 24" X 1/2" (DEPTH)
SCORE LINES, ROUNDED EDGES DIAMOND
PATTERN 45° ANGLE PER PLANS. PROVIDE SAMPLE
TO OWNER FOR APPROVAL PRIOR TO INSTALLATION.

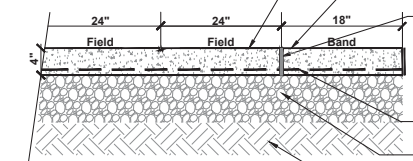
SIMULATED KEYSTONE CONCRETE BAND:
18" WIDE CONCRETE BANDING, WITH WHITE SIMULATED
KEYSTONE FINISH. PROVIDE MOCK-UP TO OWNER
FOR APPROVAL PRIOR TO INSTALLATION
(TYPICAL TO ALL).

TYPE 'C' EXPANSION JOINT (SEE CIVIL PLANS) AT
BANDING AND FIELD JOINTS (TYPICAL). SCORE LINES:
TYPE 'B' SAWED JOINTS (SCORE LINES) AT 45 DEGREE
ANGLE EXPANSION JOINTS: TYPE 'A' OPEN JOINTS
PER CIVIL DUGS. AT 30' INTERVALS OR AS DIRECTED
BY THE CIVIL ENGINEER.

6" X 6" WELDED WIRE MESH AS SHOWN

COMPACTED BASE, LBR 40 (95% DENSITY)
PER AASHTO T-180

COMPACTED SUB-BASE, (95% DENSITY)
PER AASHTO T-180



A TYPICAL SECTION WALKWAYS:
CONCRETE WITH BANDING AND SCORE LINES

NT.S.

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SEAL / SIGNATURE / DATE

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Issue Issue Date / For

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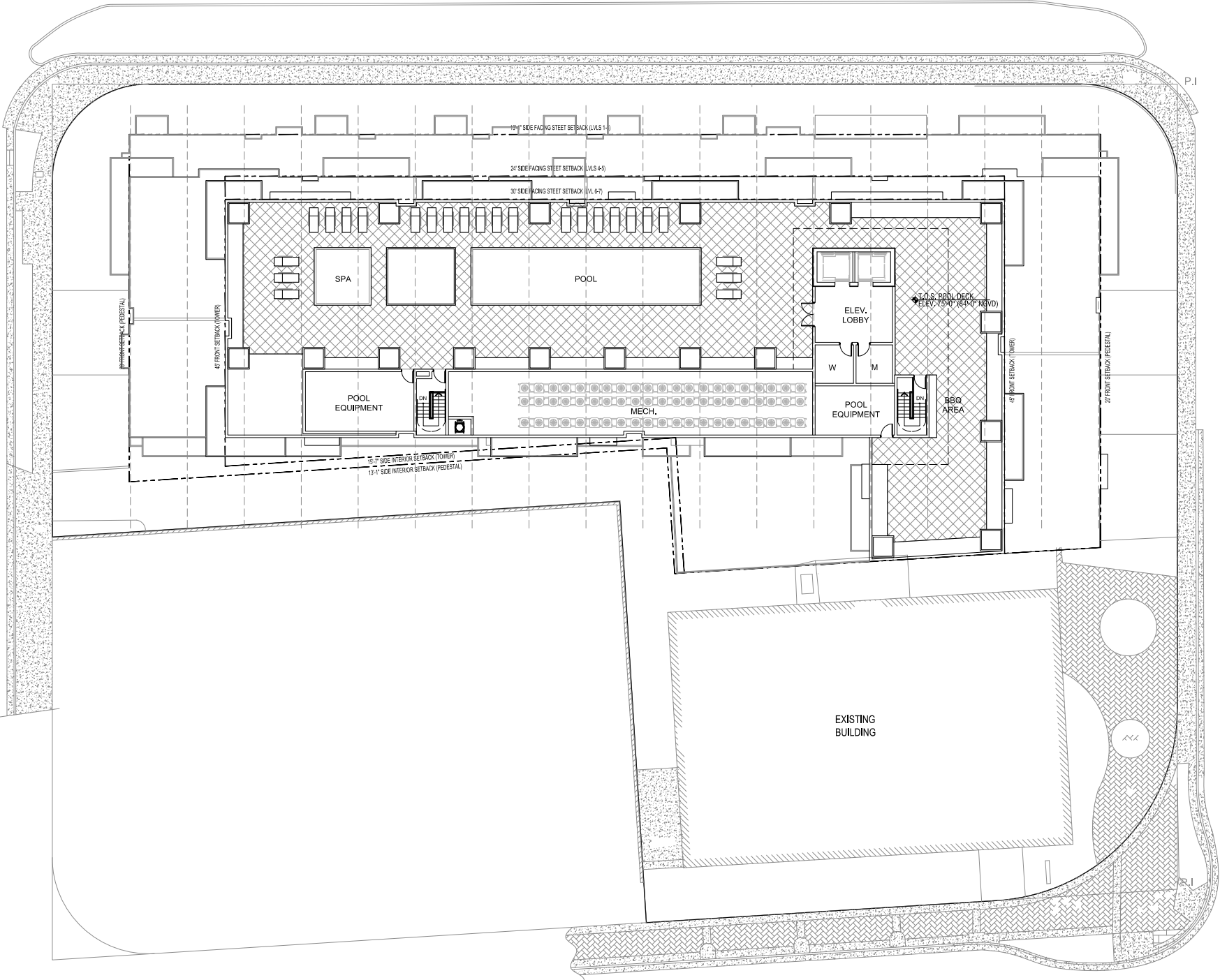
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0' 8' 16' 32'

SCALE: 1/16" = 1'-0"

ROOF LEVEL
HARDSCAPE PLAN



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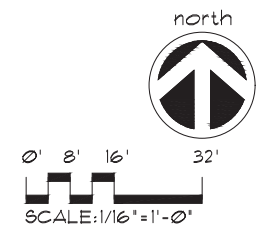
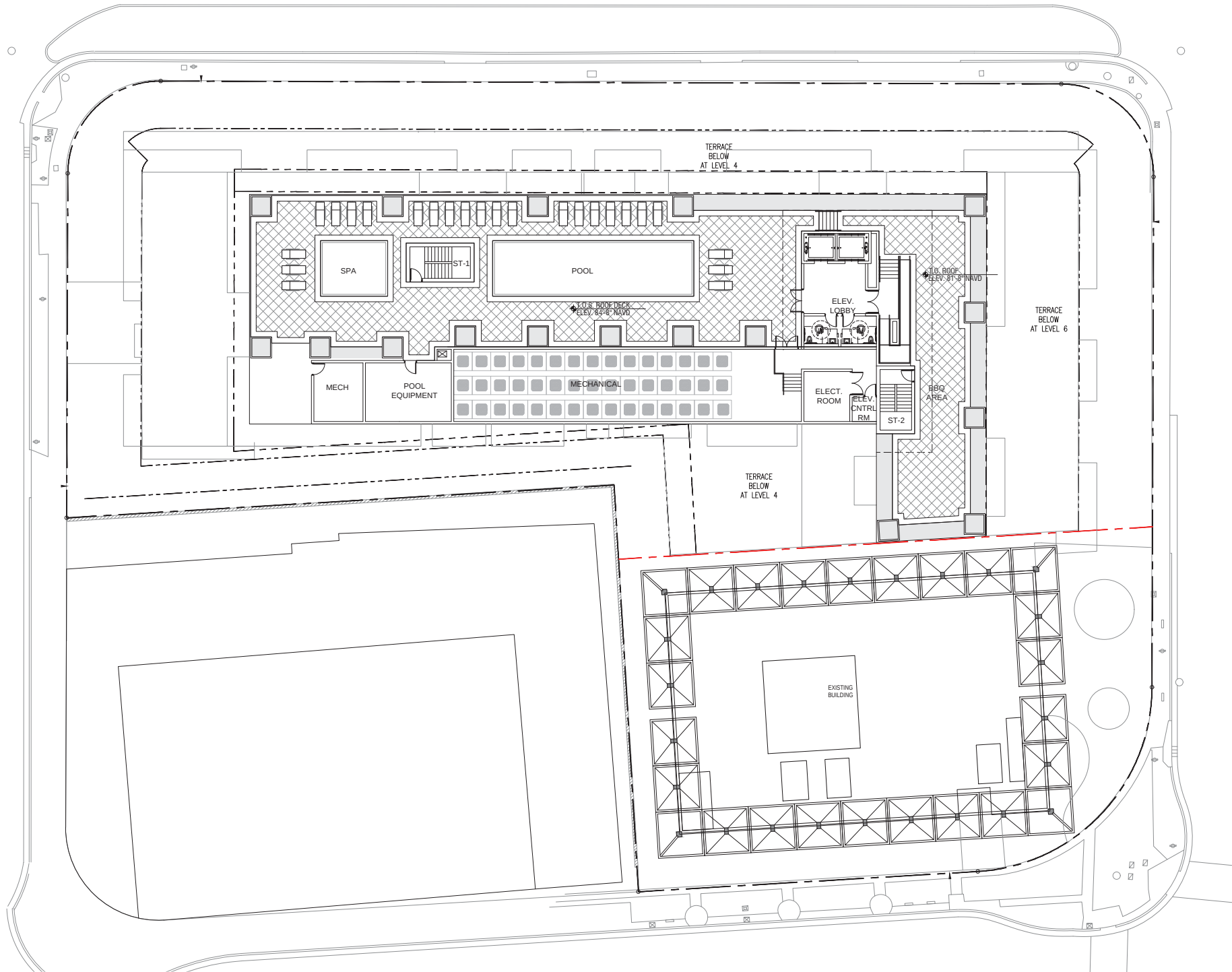
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ROOF LEVEL HARDSCAPE PLAN



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