

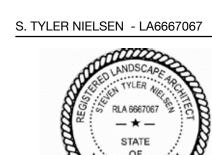
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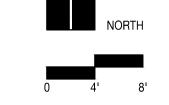
MATERIALS PLAN

DATE

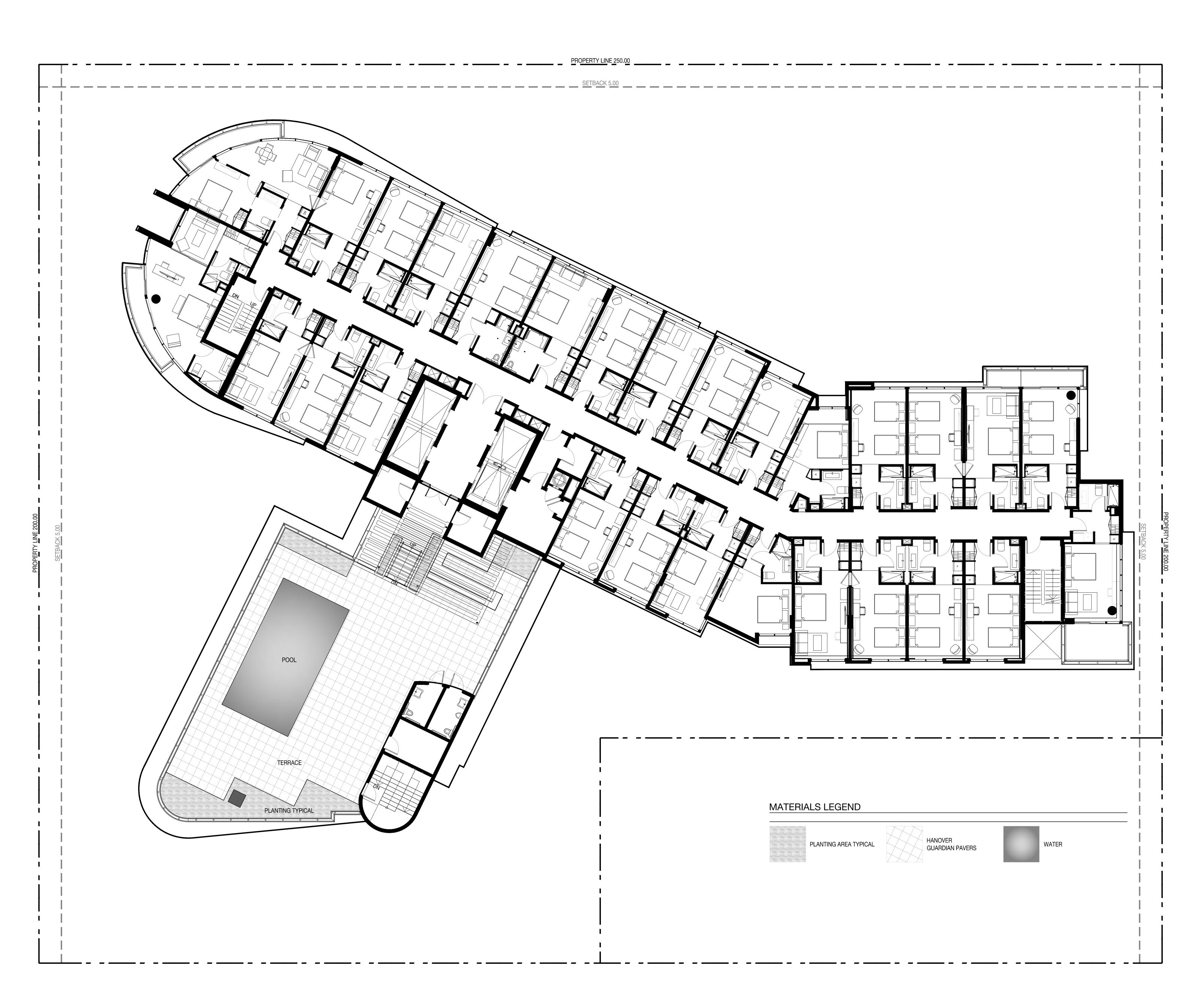
10.17.2016 PLANNING BOARD
10.28.2016 M. BEACH DRB
11.02.2016 M. BEACH REVIEW
11.27.2016 50% SCHEMATIC
12.21.2016 100% SCHEMATIC
06.22.2017 80% D.DEVELOPMENT
07.20.2017 100% D.DEVELOPMENT

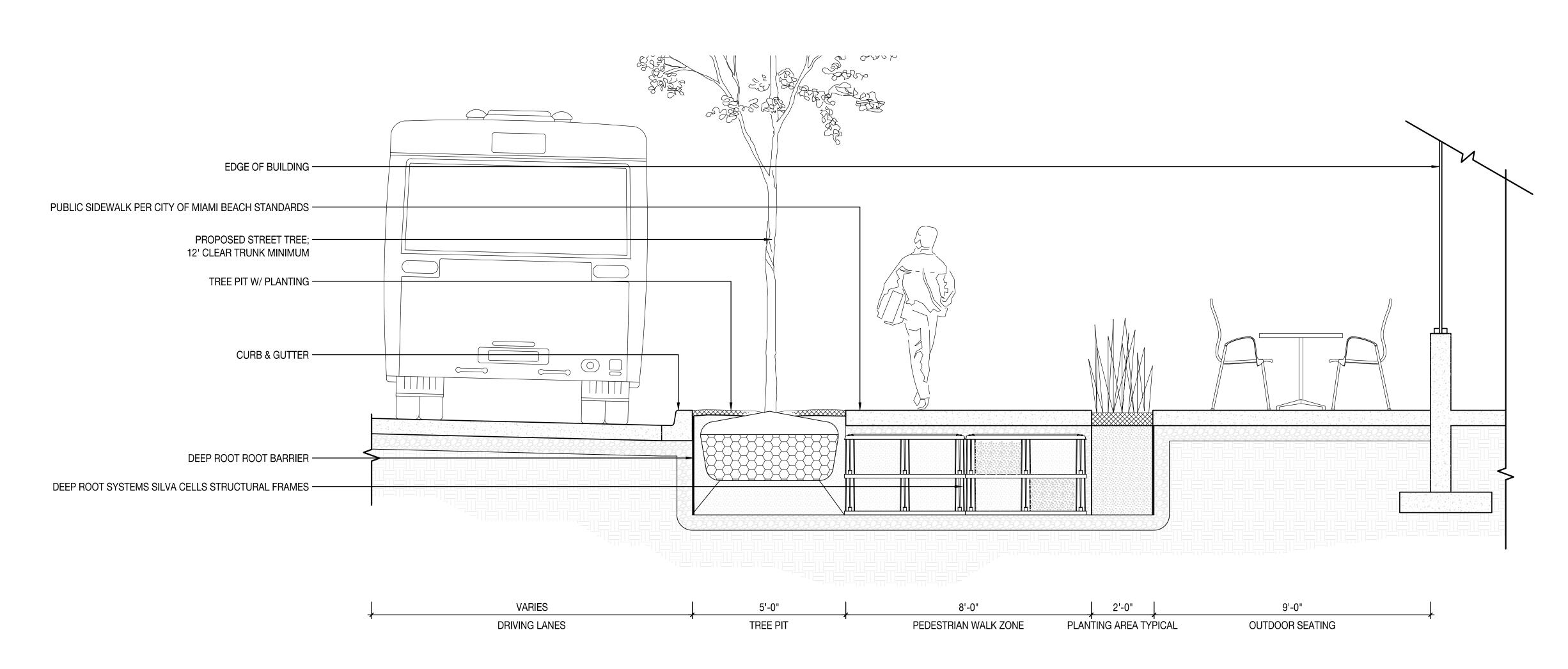
12.21.2016 100% SCHEMATIC 06.22.2017 80% D.DEVELOPM 07.20.2017 100% D.DEVELOPM 09.01.2017 30% CD 12.21.2017 PERMIT DRAWING 03.23.2018 MB PLANNING FIN

12.21.2017 PERMIT DRAWINGS
03.23.2018 MB PLANNING FINAL
04.06.2018 DRB FINAL SUBMITTAL



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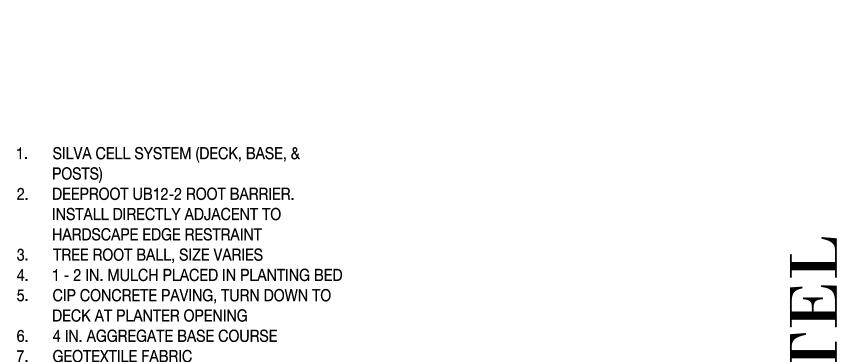




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12. 4 IN. AGGREGATE SUB BASE, COMPACTED TO 95% PROCTOR

11. 4 IN. SPACING BETWEEN SILVA CELLS AT

10. PIN, PER SILVA CELL SPECIFICATIONS

SPECIFICATIONS, COMPACTED TO 70 -

HARDSCAPE EDGE RESTRAINT

DECK AT PLANTER OPENING

9. PLANTING SOIL, PER PROJECT

3. TREE ROOT BALL, SIZE VARIES

GEOTEXTILE FABRIC

80% PROCTOR

8. BACK FILL

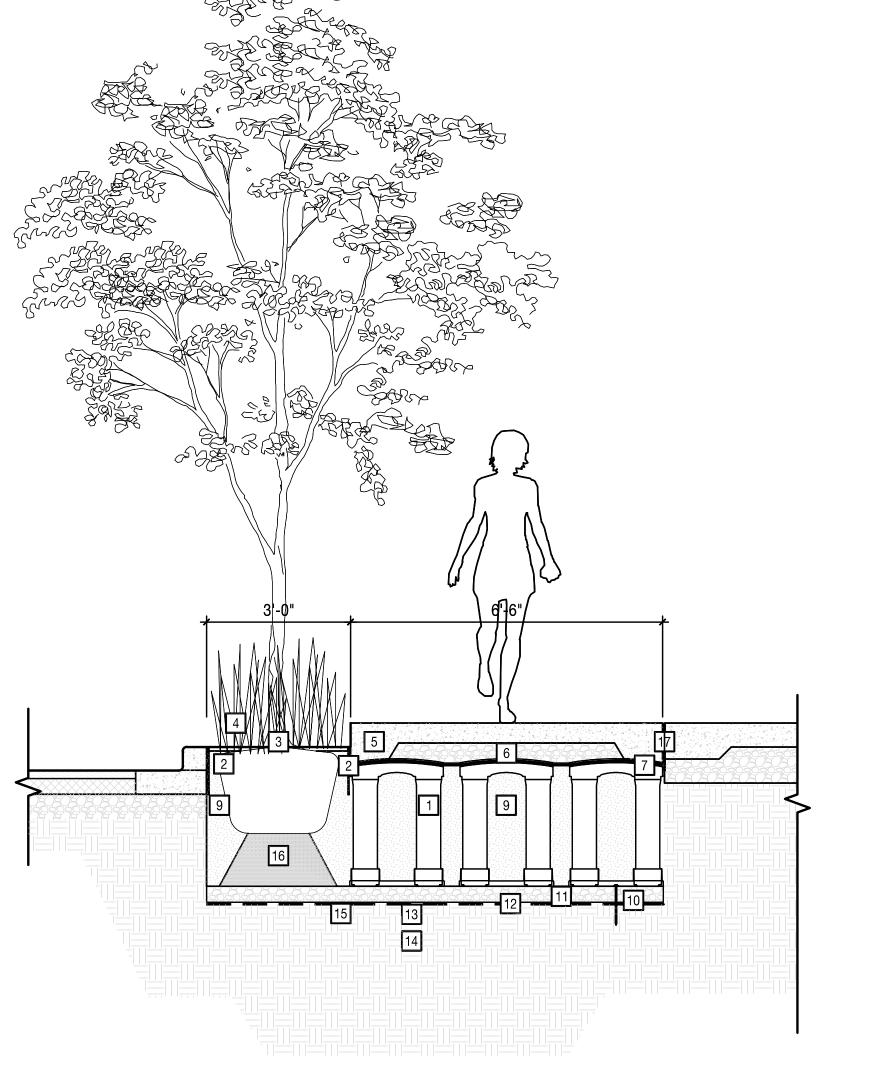
13. GEOTEXTILE FABRIC, PLACED BELOW AGGREGATE SUB BASE 14. SUBGRADE COMPACTED TO 95%

PROCTOR 15. SILVA CELL BASE, SLOPE, 5% MAXIMUM

16. PLANTING SOIL BELOW TREE ROOT BALL, COMPACTED TO 85 - 90% PROCTOR 17. EXPANSION JOINT

 INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH

MANUFACTURERS SPECIFICATIONS • DO NOT SCALE DRAWINGS



INSTALLATION TO BE COMPLETED IN

ACCORDANCE WITH

SILVA CELL SYSTEM (DECK, BASE, &

4. 1 - 2 IN. MULCH PLACED IN PLANTING BED 5. CIP CONCRETE PAVING, TURN DOWN TO

SPECIFICATIONS, COMPACTED TO 70 -

10. PIN, PER SILVA CELL SPECIFICATIONS

13. GEOTEXTILE FABRIC, PLACED BELOW

15. SILVA CELL BASE, SLOPE, 5% MAXIMUM

16. PLANTING SOIL BELOW TREE ROOT BALL,

COMPACTED TO 85 - 90% PROCTOR

11. 4 IN. SPACING BETWEEN SILVA CELLS AT

12. 4 IN. AGGREGATE SUB BASE, COMPACTED

2. DEEPROOT UB12-2 ROOT BARRIER. INSTALL DIRECTLY ADJACENT TO

HARDSCAPE EDGE RESTRAINT
3. TREE ROOT BALL, SIZE VARIES

DECK AT PLANTER OPENING

6. 4 IN. AGGREGATE BASE COURSE

9. PLANTING SOIL, PER PROJECT

GEOTEXTILE FABRIC

80% PROCTOR

TO 95% PROCTOR

PROCTOR

AGGREGATE SUB BASE

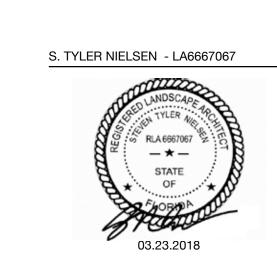
14. SUBGRADE COMPACTED TO 95%

8. BACK FILL

MANUFACTURERS SPECIFICATIONSDO NOT SCALE DRAWINGS

TYPICAL SIDEWALK INSTALLATION FOR COLLINS & HARDING

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



DATE	
10.17.2016	PLANNING BOARD
10.28.2016	M. BEACH DRB
11.02.2016	M. BEACH REVIEW
11.27.2016	50% SCHEMATIC
12.21.2016	100% SCHEMATIC
06.22.2017	80% D.DEVELOPM
07.20.2017	100% D.DEVELOPI
09.01.2017	30% CD
12.21.2017	PERMIT DRAWING
03.23.2018	MB PLANNING FIN
04.06.2018	DRB FINAL SUBMIT

SCALE AS NOTED:



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

PLANTING NOTES

- . PLANT MATERIAL IS TO BE HEALTHY SPECIMENS FREE FROM DISEASE OR DAMAGE, AND IS TO BE MAINTAINED IN EXCELLENT CONDITION WHILE ON THE JOBSITE. LANDSCAPE ARCHITECT SHALL INSPECT PLANT MATERIAL UPON ARRIVAL TO JOBSITE AND WILL REJECT PLANT MATERIAL THAT DOES NOT MEET THE STANDARDS DESCRIBED WITHIN THE CONTRACT DOCUMENTS.
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- PROVIDE MATCHING SIZES AND FORMS FOR EACH PLANT OF THE SAME SPECIES UNLESS OTHERWISE INDICATED.
- 4. CONTRACTOR TO VERIFY ALL QUANTITIES. IN CASE OF DISCREPANCIES, GRAPHICALLY SHOWN QUANTITIES SHALL TAKE PRECEDENCE.
- ALL MATERIALS USED SHALL CONFORM TO THE GUIDELINES ESTABLISHED BY THE CURRENT AMERICAN STANDARDS FOR NURSERY STOCK, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN.
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- THE CONTRACTOR SHALL PRUNE EXISTING AND/OR NEW TREES ONLY PER LANDSCAPE ARCHITECT DIRECTION.
- 8. THE CONTRACTOR SHALL STAKE THE LOCATIONS OF ALL TREES AND B&B SHRUBS FOR LANDSCAPE ARCHITECT REVIEW AND APPROVAL, PRIOR TO INSTALLATION.
- 9. ALL ROOT-WRAPPING MATERIALS THAT ARE NOT BIO-DEGRADABLE SHALL BE REMOVED FROM THE ROOT BALL. ROOT BALLS SHALL BE FREE OF WEEDS.
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- 12. MULCH OR PLANTING BED DRESSING SHALL BE PLACED IN ALL PLANTING AREAS AS SPECIFIED. MULCH OR PLANTING BED DRESSING SHALL NOT BE PLACED WITHIN SIX (6) INCHES OF TREE TRUNKS. MULCHING SHOULD BE REPEATED ANNUALLY DURING THE AUTUMN TO A THREE (3) INCH DEPTH.
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- 14. EXCESS FERTILIZER SHALL BE DISPOSED OF PROPERLY OFF-SITE. IT SHALL NOT BE DISPOSED OF IN STORM DRAINS AND/OR DRYWELLS.
- 15. STOCKPILED PLANT MATERIAL TO BE PLACED IN THE SHADE AND PROPERLY HAND-WATERED UNTIL PLANTED.
- 16. MINI-NUGGET TYPE DECORATIVE BARK MULCH WILL BE USED TO RETURN NUTRIENTS TO THE SOIL, REDUCE MAINTENANCE AND MINIMIZE EVAPORATION FOR AREAS APPROXIMATE TO THE RESIDENCE. LARGER SHREDDED BARK MULCH WILL BE USED FOR STEEP AREAS SO SLOUGHING IS LESS LIKELY TO OCCUR.
- 17. PRESERVE & PROTECT ALL EXISTING VEGETATION INDICATED TO REMAIN AT ALL TIMES.
- 18. ALL VEGETATION PROPOSED FOR OUTSIDE THE BUILDING ENVELOPE TO BE NATIVE UNLESS OTHERWISE NOTED. PLANTING THAT OCCURS OUTSIDE THE BUILDING ENVELOPE IS FOR RESTORATION PURPOSES ONLY OR IS SPECIFIC TO UTILITIES RESTORATION.
- 19. SIX (6) INCH PLANT MIX SHALL BE PROVIDED FOR ALL LAWN, TURF, AND NATIVE PLANTING ZONES. 18 INCH PLANT MIX SHALL BE PROVIDED FOR ALL PERENNIAL PLANTING BEDS UNLESS OTHERWISE NOTED.

PLANTING SCHEDULE GROUND LEVEL

ABR.	QUANTITY	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS
TREE	ES			
CER	4	CONOCARPUS ERECTUS	GREEN BUTTONWOOD	FG. 12' - 14' HT. MULTI-TRUNK
CSP	1	CEIBA SPECIOSA	FLOSS SILK TREE	FG. 20' HT. OA
LLA	18	LYSILOMA LASTIQUALA	WILD TAMARIND	FG. 14' - 16' HT. OA
PALI	MS			
REX	7	RHAPIS EXCELSA	LADY PALM	7 GAL. 3' - 4'
RMU	1	RHAPIS MULTIFIDA	FINGER PALM	25 GAL. 6' HT. OA. CLUMPING
VMO	5	VEITCHIA MONTGOMERYANA	MONTGOMERY PALM	TRIPLE - 16' - 18' OA
TRA	27	THRINAX RADIATA	THATCH PALM	15 GAL. 4' HT. MIN.
UND	ERSTORY S	SHRUBS & ACCENTS		
RC	128	PHILODENDRON ROJO CONGO	SAME	7 GAL. 3' X 3'
AO	25	ALCANTEREA ODORATA	SILVER BROMELIAD	3 GAL. 18" X 18"
ZM	25	ZAMIA MARITIMA	CARDBOARD PALM	15 GAL. 3' X 3'
GRO	UNDCOVEF	RS		
EL	1180	TRIPSACUM FLORIDANUM	DWARF FAKAHATCHEER GRASS	1 GAL. 18" OC
MS	320	MICROSORUM SCOLOPENDRIUM	WART FERN	1 GAL. 12" OC
CON	TRACTOR 1	TO PROVIDE \$2000 MISCELLANEOUS WHO	DLESALE PLANT ALLOWANCE. LANDSCAPE AF	RCHITECT TO TAG PLANTS AT NURSERY

PLANTING SCHEDULE AMENITY LEVEL

ABR. Ql	UANTITY	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS
TREES			·	·
CER	9	CONOCARPUS ERECTUS	GREEN BUTTONWOOD	FG. 12' - 14' HT. MULTI-TRUNK
CRO	4	CLUSIA ROSEA	AUTOGRAPH TREE	45 GAL. MULTI-TRUNK
CZY	40	CALYPTRANTHES ZUZYGIUM	MYRTLE OF THE RIVER	25 GAL. 8' HT. OA.
PALMS	}			
BNO	1	BISMARCKIA NOBILIS	BISMARCK PALM	FG. 32' OA
TRA	40	THRINAX RADIATA	THATCH PALM	15 GAL. 4' HT. MIN.
RMU	7	RHAPIS MULTIFIDA	FINGER PALM	25 GAL. 6' HT. OA. CLUMPING
VMO	25	VEITCHIA MONTGOMERYANA	MONTGOMERY PALM	TRIPLE - 16' - 18' OA
UNDER	STORY	SHRUBS & ACCENTS		
SMA	19	SURIANA MARITIMA	SAME	25 GAL. 6' HT. MIN.
RC	165	PHILODENDRON ROJO CONGO	SAME	7 GAL. 3' X 3'
AP	65	ALPINIA PURPURATA	WHITE GINGER	7 GAL. 3' - 4' HT.
ZM	36	ZAMIA MARITIMA	CARDBOARD PALM	15 GAL. 3' X 3'
JW	58	ACALPHYA WILKESIANA 'JAVA WHITE'	SAME	7 GAL. 3' X 3'
GROUN	IDCOVE	RS	·	•
TD	1630	TRIPSACUM DACTYLIODES	DWARF FAKAHATCHEE GRASS	1 GAL. 18" OC
CONTR	ACTOR '	TO PROVIDE \$4000 MISCELLANEOUS WHOL	ESALE PLANT ALLOWANCE. LANDSCAPE A	RCHITECT TO TAG PLANTS AT NURSERY

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PLANTING SCHEDULE GROUND LEVEL

		SOFTEDOLL GITTOOND LEVEL				
ABR.	QUANTITY	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS		
TRE	ES					
CEX	1	CONOCARPUS ERECTUS 'SERICEUS'	SILVER BUTTONWOOD	SPECIMEN - MULTI TRUNK - 18 FT. HT. MIN. 12 FT. SP LANDSCAPE ARCHITECT TO TAG		
CER	27	CONOCARPUS ERECTUS 'GREEN'	GREEN BUTTONWOOD	FG. 16' HT. OA 6' FT. SP. 4 IN. DBH FLORIDALA TO TAG IN THE FIELD		
LLA	11	LYSILOMA LATISILIQUUM	WILD TAMARIND	FG. 14' HT. 8' SP. 4" DBH.		
MFR	6	MYRCIANTHES FRAGRANS	SIMPSON STOPPER	65 GAL. 12' OA MULTI-TRUNK 6' SP.		
PALI	MS					
CH1	2	CHAMAEROPS HUMILIS	EUROPEAN FAN PALM	6' - 8' OA MULTI TRUNK SPECIMEN FG LA TO TAG IN THE FIELD - SUNSCAPE TREE FARM		
UND	ERSTORY T	REES / LARGE SHRUBS				
GLU	61	GYMNANTHES LUCIDA	CRABWOOD	25 GAL. 6' OA BUSH FORM		
SMA	6	SURIANA MARITIMA	BAY CEDAR	15 GAL. 4' OA BUSH FORM		
SHR	UBS & ACCE	ENTS				
PL	131	PSYCHOTRIA LIGUSTRIFOLIA	DWARF WILD COFFEE	7 GAL. 24" x 24" (NATIVE SHRUB) DROUGHT TOLERANT		
MD	59	MONSTERA DELICIOSA	MEXICAN BREADFRUIT	7 GAL. 3' HTCONTRACTOR TO PROVIDE IMAGES FOR LA APPROVAL		
MC	1400	MUHLENBERGIA CAPILLARIS	PINK MUHLY GRASS	1 GAL. 12 IN. O.C.		
GRO	UNDCOVER	S				
LM	280	LIRIOPE MUSCARI 'SUPER BLUE'	LILY TURF	1 GAL. FULL		
AL	80	ASPIDISTRA ELATIOR	CAST IRON PLAN	3 GAL. FULL		
VINE	S, WATER P	LANTS, MISCELLANEOUS				
TB	15	THUNBERGIA GRANDIFLORA	BLUE SKY VINE	3 GAL. TRELLIS		
CON	TRACTOR T	O PROVIDE \$2000 MISCELLANEOUS WHOL	ESALE PLANT ALLOWANCE. LANDSCAP	PE ARCHITECT TO TAG PLANTS AT NURSERY		
		·				

PLANTING SCHEDULE SECOND / GARAGE LEVEL

ABR.	QUANTITY	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS	
UNDE	ERSTORY T	REES / LARGE SHRUBS			
SMA	23	SURIANA MARITIMA	BAY CEDAR	25 GAL. BUSH FORM 4' - 6' FT	
SHRU	SHRUBS & ACCENTS				
MD	20	MONSTERA DELICIOSA	MEXICAN BREADFRUIT	7 GAL. 24 IN.	

PLANTING SCHEDULE AMENITY LEVEL

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QUANTITY	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS
3			
6	CONOCARPUS ERECTUS 'SERICEUS'	SILVER BUTTONWOOD	100 GAL. 12 FT. HT. MIN. 8 FT. SP LANDSCAPE ARCHITECT TO TAG
S		·	
6	CHAMAEROPS HUMILIS	EUROPEAN FAN PALM	6' - 8' OA MULTI TRUNK SPECIMEN FG LA TO TAG IN THE FIELD - SUNSCAPE TREE FARM
7	CHAMAEROPS HUMILIS	EUROPEAN FAN PALM	45 GAL. 4' - 5' OA MULTI-TRUNK - LA TO TAG IN THE FIELD - SUNSCAPE TREE FARM / PLANT CITY, FL
7	PHOENIX RECLINATA	SENEGAL DATE PALM	FG. MUTLI-TRUNK 12 FT 16 FT. GW (GC PROVIDE IMAGES FOR APPROVAL)
RSTORY T	REES / LARGE SHRUBS		
22	SURIANA MARITIMA	BAY CEDAR	25 GAL. 4' OA BUSH FORM
130	GYMNANTHES LUCIDA	CRABWOOD	25 GAL. 6' OA BUSH FORM
BS & ACCE	ENTS		
140	PSYCHOTRIA LIGUSTRIFOLIA	DWARF WILD COFFEE	7 GAL. 24" x 24" (NATIVE SHRUB) DROUGHT TOLERANT
130	MONSTERA DELICIOSA	MEXICAN BREADFRUIT	7 GAL. 3' HTCONTRACTOR TO PROVIDE IMAGES FOR LA APPROVAL
2040	LIRIOPE MUSCARI 'EMERALD'	SAME	1 GAL. 12 IN. O.C.
82	TRIPSACUM DACTYLOIDES	FAKAHATCHEE GRASS	3 GAL. 36 IN. O.C.
200	ALCANTEREA ODORATA	SILVER BROMELIAD	3 GAL.
NDCOVER	S		
1220	ERNODEA LITTORALIS	GOLDEN CREEPER	1 GAL. FULL 12 IN. OC.
, WATER P	LANTS, MISCELLANEOUS		
9	THUNBERGIA GRANDIFLORA	BLUE SKY VINE	3 GAL. TRELLIS
RACTOR T	O PROVIDE \$2000 MISCELLANEOUS WHOL	ESALE PLANT ALLOWANCE. LANDSCAF	PE ARCHITECT TO TAG PLANTS AT NURSERY
	6 6 7 7 7 RSTORY T 22 130 BS & ACCE 140 130 2040 82 200 NDCOVER 1220 WATER P	6 CONOCARPUS ERECTUS 'SERICEUS' 8 6 CHAMAEROPS HUMILIS 7 CHAMAEROPS HUMILIS 7 PHOENIX RECLINATA RSTORY TREES / LARGE SHRUBS 22 SURIANA MARITIMA 130 GYMNANTHES LUCIDA BS & ACCENTS 140 PSYCHOTRIA LIGUSTRIFOLIA 130 MONSTERA DELICIOSA 2040 LIRIOPE MUSCARI 'EMERALD' 82 TRIPSACUM DACTYLOIDES 200 ALCANTEREA ODORATA NDCOVERS 1220 ERNODEA LITTORALIS WATER PLANTS, MISCELLANEOUS 9 THUNBERGIA GRANDIFLORA	BOTANICAL NAME COMMON NAME COMMON NAME COMMON NAME COMMON NAME COMMON NAME COMMON NAME SILVER BUTTONWOOD SILVER BUTTONWOOD COMMON NAME COMMON NAME SILVER BUTTONWOOD COMMON NAME COMMON NAM

PLANTING SCHEDULE ROOF LEVEL

ABR.	QUANTITY	BOTANICAL NAME	COMMON NAME	SPECIFICATIONS	
PALI	MS				
PRE	3	PHOENIX RECLINATA	SENEGAL DATE PALM	FG. MUTLI-TRUNK 12 FT 16 FT. GW (GC PROVIDE IMAGES FOR APPROVAL)	
CHU	2	CHAMAEROPS HUMILIS	EUROPEAN FAN PALM	OPEAN FAN PALM 45 GAL. 4' - 5' OA MULTI-TRUNK - LA TO TAG IN THE FIELD - SUNSCAPE TREE FARM / PLANT CITY, FL	
SHR	UBS & ACCE	BS & ACCENTS			
MD	84	MONSTERA DELICIOSA	MEXICAN BREADFRUIT	7 GAL. 3' HTCONTRACTOR TO PROVIDE IMAGES FOR LA APPROVAL	
LM	340	LIRIOPE MUSCARI 'EMERALD'	SAME	L. 12 IN. O.C.	

CITY OF MIAMI BEACH LANDSCAPE LEGEND

	INFORMATION REQUIRED TO BE PERMANENTLY AFFIXED TO PLANS Zoning District TC - 1 Lot Area 49,890 SQFT. Acres	<u>1.15 ACRES</u>	
	OPEN SPACE	REQUIRED/ ALLOWED	PROVIDED
A.	Square feet of required Open Space as indicated on site plan: Lot Area = $\underline{49,890}$ s.f.x $\underline{05}$ % = $\underline{2,495}$ s.f.	2,495	3,309
B.	Square feet of parking lot open space required as indicated on site plan:		
C.	Number of parking spaces <u>3</u> x 10 s.f. parking space = Total square feet of landscaped open space required: A+B=	30 3,525	30 3,339
	LAWN AREA CALCULATION		
A.	Square feet of landscaped open space required	3,525	3,339
B.	Maximum lawn area (sod) permitted= $20 \text{ % x } 3,339 \text{ s.f.}$	667	0
A.	TREES Number of trees required per lot or net lot acre, less existing number of trees meeting minimum requirements=	0.5	0.5
_	22 trees x 1.15 net lot acres - number of existing trees=	<u>25</u> .	25
	% Natives required: Number of trees provided x 30% =	7.5	25
C.	% Low maintenance / drought and salt tolerant required: Number of trees provided x 50%=	7.5	25
D.	Street Trees (maximum average spacing of 20' o.c.) 350 linear feet along street divided by 20'=	 18	18
E.	Street tree species allowed directly beneath power lines: (maximum average spacing of 20' o.c.):		
	linear feet along street divided by 20'=	10	10
	SHRUBS		
A.	Number of shrubs required: Sum of lot and street trees required x 12=	2,394	2,732
B.	% Native shrubs required: Number of shrubs provided x 50%=	1,197	2,558
	LARGE SHRUBS OR SMALL TREES		
A.	Number of large shrubs or small trees required: Number of required shrubs $\times 10\%$ =	239	242
B.	% Native large shrubs or small trees required: Number of large shrubs or small trees provided x 50%=	119	242



west palm beach, fl 561.402.9414 www.nielsenlandarch.com

> 9537 HARDING AVENUE SURFSIDE, FL 33154 305.867.6344

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CLARO DEVELOPMENT 1035 N MIAMI AVENUE, 201 MIAMI, FL 33136

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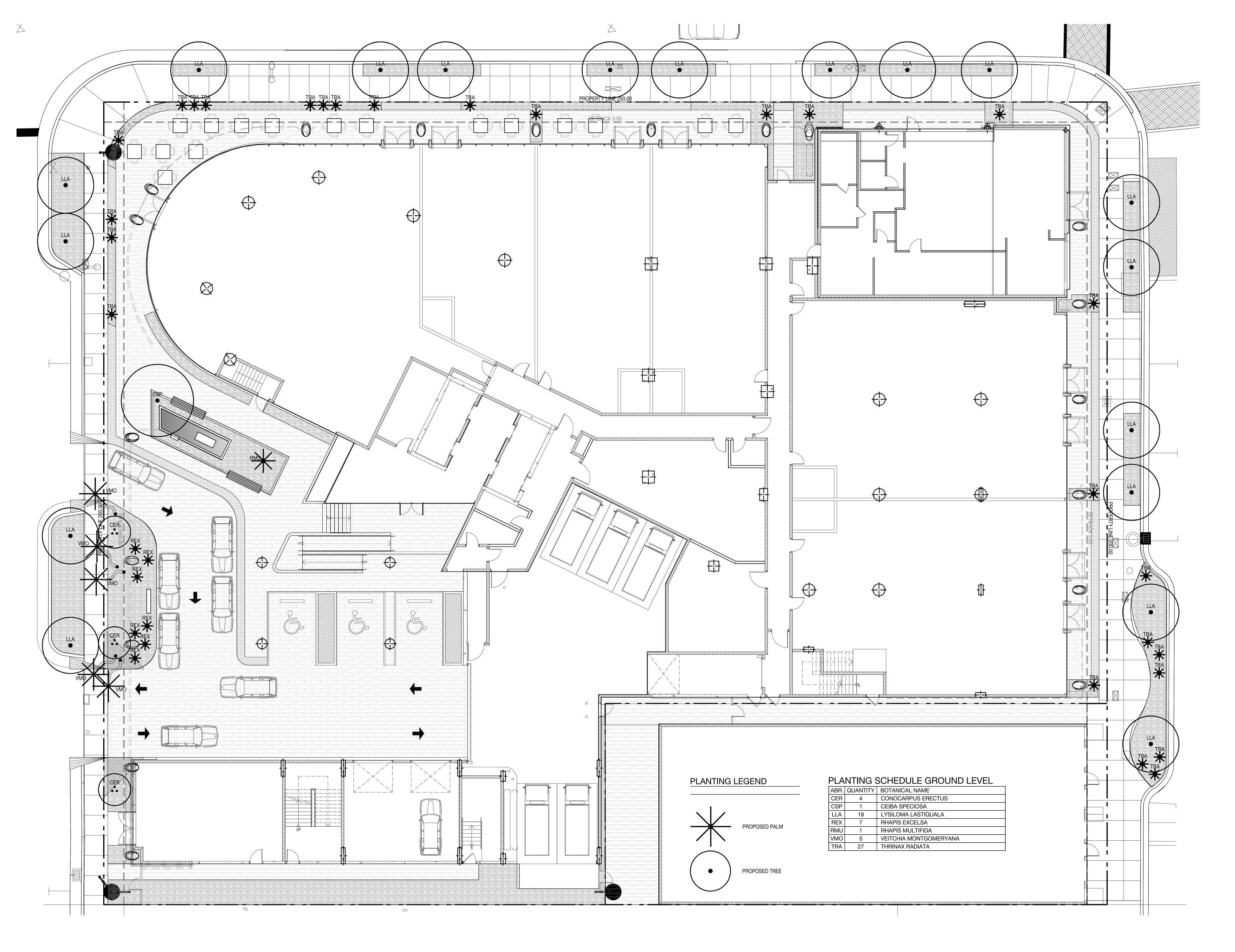


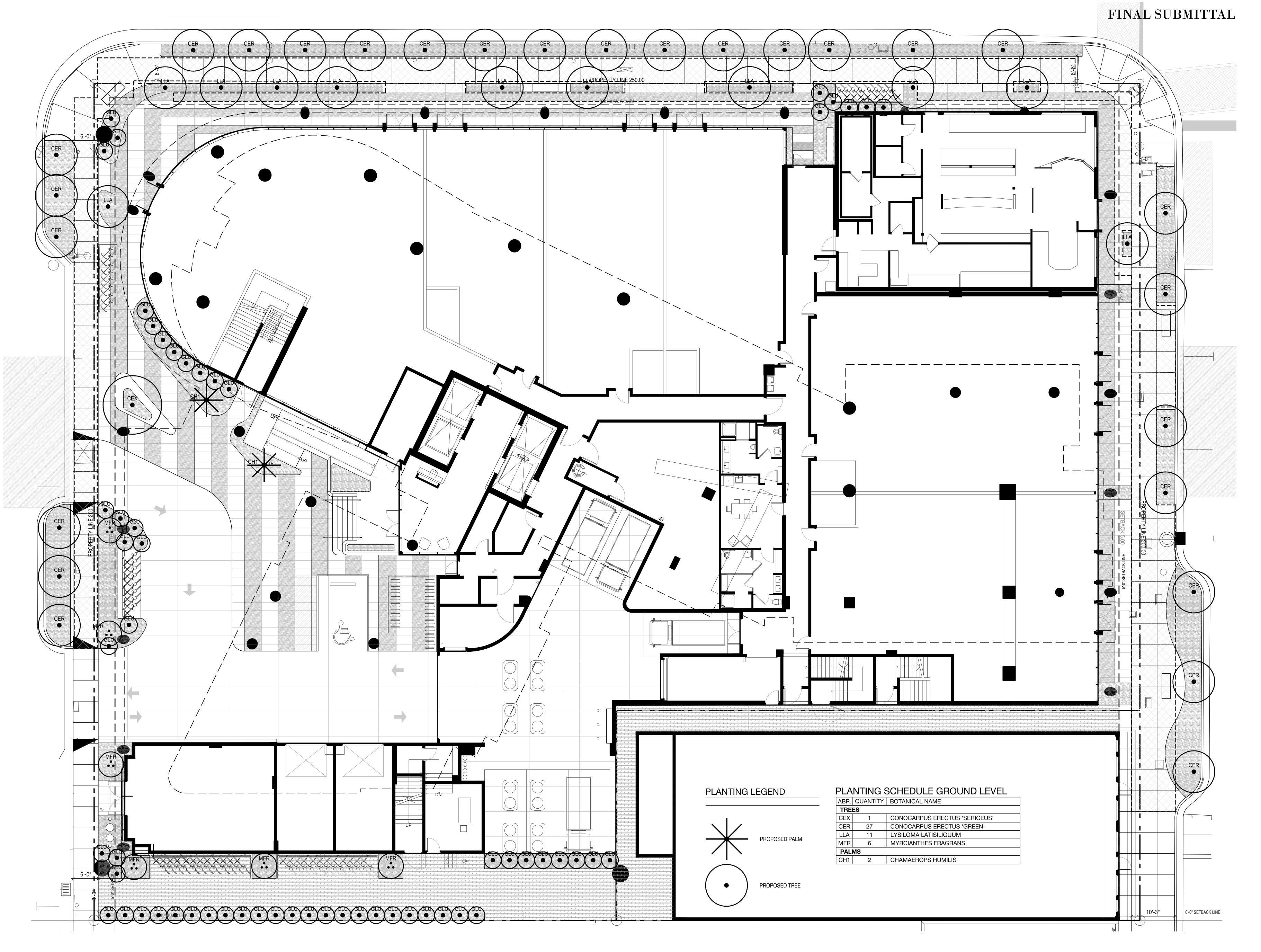
PLANTING SCHEDULE & NOTES

10.17.2016 PLANNING BOARD 10.28.2016 M. BEACH DRB 11.02.2016 M. BEACH REVIEW 11.27.2016 50% SCHEMATIC 12.21.2016 100% SCHEMATIC

06.22.2017 80% D.DEVELOPMENT

07.20.2017 100% D.DEVELOPMENT 09.01.2017 30% CD 12.21.2017 PERMIT DRAWINGS 03.23.2018 MB PLANNING FINAL 04.06.2018 DRB FINAL SUBMITTAL







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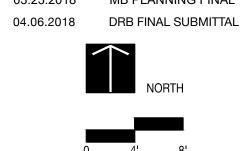
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TREE & PALM PLANTING PLAN

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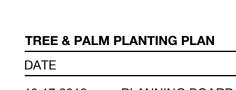
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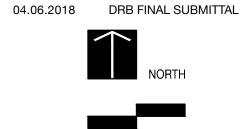




DATE

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