

TREE PRESERVATION LIST							
ITEM	SCIENTIFIC NAME	COMMON NAME	DBH IN.	HEIGHT FT.	CANOPY FT.	CONDITION	DISPOSITION
1	FICUS AUREA	STRANGLER FIG	60	90	90	MODERATE	REMAIN
10	COCOS NUCIFERA	COCONUT PALM	8	26	28	MODERATE	REMAIN
11	COCOS NUCIFERA	COCONUT PALM	9	26	28	MODERATE	REMAIN
12	COCOS NUCIFERA	COCONUT PALM	8	26	28	MODERATE	REMAIN

STEPHEN M. CALLAHAN FLORIDA RLA #6667206

THRESHOLD LANDSCAPE WORKSHOP

811 E LAS OLAS BLVD. SUITE 9 FORT LAUDERDALE, FL 33301 OFFICE@THRESHOLDLA.COM 954.361.4721

City Comments 1.6.20
Permit 12.16.19
Issue Description Date
Project Name

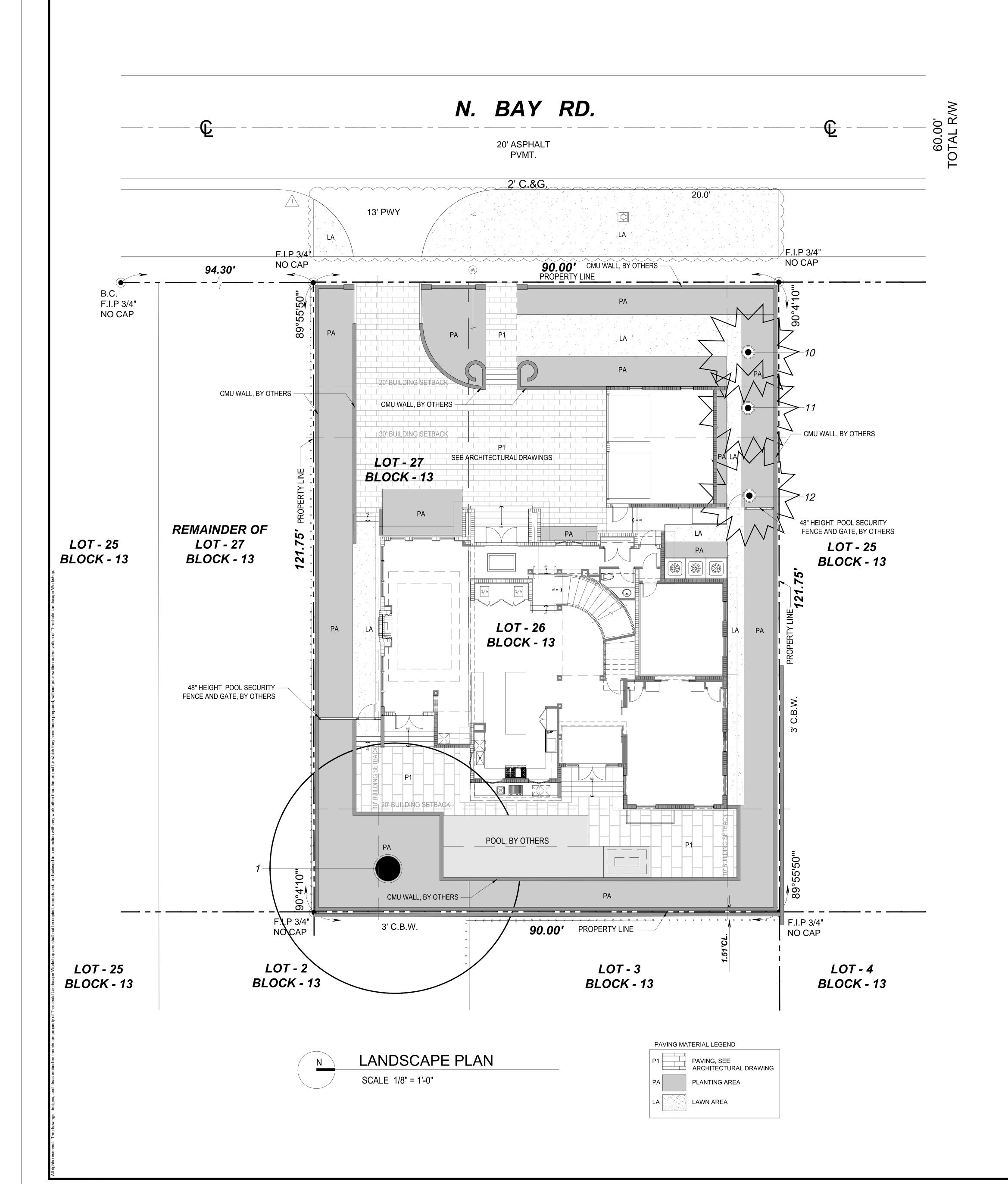
Schatzberg
Residence-

New Single-far
Residence
2321 North Bay Road
Miami Beach, Florida
33138
Project Number

Project Number **0457-schatzberg**Drawing Title

TREE
PRESERVATION
PLAN

heet Number



## CITY OF MIAMI BEACH LANDSCAPE LEGEND

Acre .25

Lot Area 10,980 SF

Zoning District RS-4

	2011116 2011116 10 10 10 10 10 10 10 10 10 10 10 10 10			
		REQUIRED/		
	OPEN SPACE	ALLOWED	PROVIDED	
A.	Square feet of required Open Space as indicated on site plan:			1
В.	Front Yard Area: 20' X 90' = 1800'	MIN 50%	75%	
		900 SF	1,247 SF	
C.	Rear Yard Area: 20' X 90' = 1800'	MIN 70%	58%	
		1,260 SF	1,048 SF	
	Side Yard North: 81.75' x 10'	817.5 SF	781 SF	
	Side Yard South: 81.75' x 10'	817.5 SF	753 SF	
	Interior	N/A	246 SF	•
	LAWN AREA CALCULATION			
A.	Square feet of landscaped open space required	3795 SF	4,075 SF	
В.	Maximum lawn area (sod) permitted = 50 %		,	
υ,	Waxiii awii area (30a) periinttea – 30 %	1,897.5 SF	902 SF	•
	<u>TREES</u>			
A.	Number of trees required per lot or net lot acre, less existing number of			
	trees meeting minimum requirements = 2 FRONT, 3 BACK YARD (1			
	EXISTING) + 5 ADDITIONAL (EXCEEDS 6,000SF)	9	21	
В.	% Natives required: Number of trees provided x 30% =	3	(17) 77%	
C.	% Low maintenance / drought and salt tolerant required:		>	
	Number of trees provided x 50%=	5	77	
D.	Street tree species allowed directly beneath power lines:			•
	(maximum average spacing of 20' o.c.):	5	5	
_	SHRUBS			^
A.	Number of shrubs required: Sum of Lot and Street Trees 15 X 12 =	180	189	1
В.	% Native shrubs required: Number of shrubs provided x 50%=	90	103	
	LARGE SHRUBS OR SMALL TREES			
A.	Number of large shrubs or small trees required: Number of required			
	shrubs (180 ) x 10%	18	21	
В.	% Native large shrubs or small trees required: Number of large shrubs or			•
	small trees provided ( 18 ) x 50%=	9	21	

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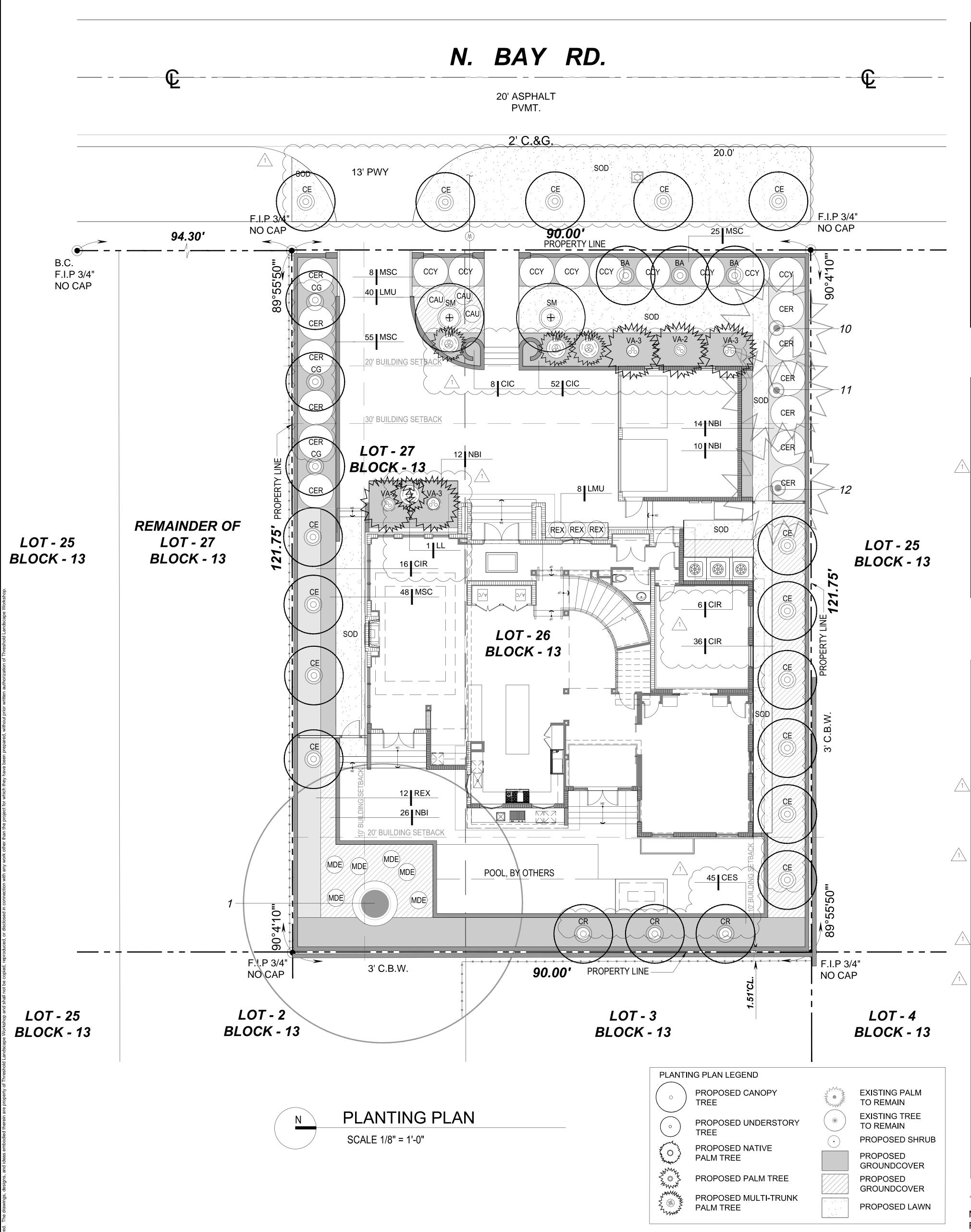
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LANDSCAPE PLAN

Sheet Number

L2\_0



## TREE MITIGATION LIST

NOTES 1. BASED ON ARBORIST REPORT 11.25.2019

\*DENOTES INVASIVE SPECIES

ITEM	SCIENTIFIC NAME	COMMON NAME	DBH IN.	TREE CATEGORY
2	CALOPHYLLUM ANTILLANUM	SANTA MARIA	57	SPECIMEN
3	MAGNIFERA INDICA	MANGO TREE	26	SPECIMEN
4	MAGNIFERA INDICA	MANGO TREE	10	NON-SPECIMEN
5	MAGNIFERA INDICA	MANGO TREE	8	NON-SPECIMEN
6	CONOCARPUS ERECTUS SERICEUS	SILVER BUTTONWOOD	6	NON-SPECIMEN
7	CONOCARPUS ERECTUS SERICEUS	SILVER BUTTONWOOD	18	SPECIMEN
8	*ARDISIA ELLIPTICA	SHOEBUTTON ARDISIA	N/A	INVASIVE
9	*ARDISIA ELLIPTICA	SHOEBUTTON ARDISIA	N/A	INVASIVE
13	PITHECELLOBIUM DULCE	MADRAS THORN	32	SPECIMEN
		TOTAL DBH	157	(54) 2" DBH TREES OR (37) 4" DBH TREES

- 1. SPECIMEN TREE, 12" CALIPER, PER CITY OF MIAMI BEACH DEFINITION SEC. 46-56
- . REQUIRED MINIMUM NUMBER OF SPECIES 5, PER CITY OF MIAMI BEACH CODE SEC. 46-412.A
- DEFICIENCIES IN PLANTING AREA TO BE CONTRIBUTED TO CITY OF MIAMI BEACH TREE PRESERVATION TRUST FUND SEC. 46-61.6

TREE REPLACEMENT CHART						
ITEM	SCIENTIFIC NAME	COMMON NAME	QUANTITY 2" DBH	QUANTITY 4" DBH	TOTAL TREES*	TOTAL DBH
1	BULNESIA ARBOREA	VERAWOOD		3	3	12
2	* CONOCARPUS ERECTUS 'GREEN'	GREEN BUTTONWOOD		15	15	60
3 (	CAESALPINIA GRANADILLO	BRIDALVEIL TREE		3	3	12
4	*CLUSIA ROSIA	AUTOGRAPH TREE		3	3	12
5	* SWIETENIA MAHAGONI	MAHOGANY		2	2	8
6						
-		26	104			
TREE CREDIT						PROVIDED
1. MINIMUM DBH REPLACEMENT QUANTITY CALCULATIONS, CITY OF MIAMI BEACH CODE SECTION 46-61					157 DBH	104
2.* DENOTES NATIVE TREE, MINIMUM 50% NATIVES REQUIRED PER CITY OF MIAMI BEACH CODE SEC. 46-61					50%	77%
3. REQUIRED MINIMUM NUMBER OF SPECIES, PER CITY OF MIAMI BEACH CODE SEC. 46-412.A					5	5

## **PLANT LIST**

\* Denotes Florida Native Species

Plants installed pursuant to this Code shall conform to, or exceed, the minimum standards for Florida Number One as provided in the most current edition of "Grades and Standards for Nursery Plants, Part I and II," prepared by the State of Florida Department of Agriculture and Consumer Services.

Plant quantities are provided for convenience. When discrepancies arise between the Planting Plans and Plat List occur the Planting Plan shall take precedence.

Contractor shall coordinate on-site planting layout visits with the Landscape Architect two (2) weeks prior to installation.

_	+	1	ant material for one (1) year prior to construction		
	QUANTITY	SYMBOL	BOTANICAL NAME	COMMON NAME	SIZE
PA	ALMS				
<u> </u>	/ 1	LL	LATANIA LONTAROIDES	RED LATAN PALM	FIELD GROWN, 6' HT. X 5' SP. PALNTED, FULL HEAD, HEAVY TRUNK
	2	VA-2	VEITCHIA ARECINA	MONTGOMERY PALM	DOUBLE FIELD GROWN 12-14' PLANTED HT.MIN., HEAVY TRUNKS
	3	VA-3	VEITCHIA ARECINA	MONTGOMERY PALM	TRIPLE FIELD GROWN 12-14' PLANTED HT. MIN., HEAVY TRUNKS
	3	TM	* THRINAX MORRISII	KEY THATCH PALM	FIELD GRWON, 4-5' PLANTED HT. MIN., FULL, MULIT, TRIPLE
TR	REES				
	3	BA	BULNESIA ARBOREA	VERAWOOD	FIELD GROWN 4" CAL. 16-18' HT. X 8' SP. MIN.
	15	CE	* CONOCARPUS ERECTUS 'GREEN'	GREEN BUTTONWOOD	FIELD GROWN 4" CAL. 16-18' HT. X 8' SP. MIN.
	3	CG	CAESALPINIA GRANADILLO	BRIDALVEIL TREE	FIELD GROWN 4" CAL. 16-18' HT. X 8' SP. MIN.
	3	CR	*CLUSIA ROSIA	AUTOGRAPH TREE	FIELD GROWN 4" CAL. 16-18' HT. X 8' SP. MIN.
	2	SM	* SWIETENIA MAHAGONI	MAHOGANY	FIELD GROWN 4" CAL. 16-18' HT. X 8' SP. MIN.
SN	MALL TREES	AND LARGE SHE	RUBS		
	9	CCY	* CAPPARIS CYNOPHALLOPHORA	JAMAICAN CAPER	25 GALLON, 6' HT MIN., 4' SPREAD MIN., MULTI-TRUNK FULL TO BASE
	12	CER	* CONOCARPUS ERECTUS 'GREEN'	GREEN BUTTONWOOD	25 GALLON, 6' HT MIN., 4' SPREAD MIN., MULTI-TRUNK FULL TO BASE
SH	IRUBS AND A	CCENTS			
	58	CIR	* CHRYSOBALANUS ICACO 'RED TIP'	RED TIP COCOPLUM	7 GALLON 36" PLANTED HT. MIN., FULL TO BASE
	62	NBI	NEPHROLEPIS BISERRATA	GIANT SWOARD FERN	3 GALLON 24" PLANTED HT. MIN., FULL TO BASE, 36" OC.
	45	CES	* CONOCARPUS ERECTUS 'SERICEUS'	SILVER BUTTONWOOD	7 GALLON 36" PLANTED HT. MIN., FULL TO BASE
	15	REX	RHAPIS EXCELSA	LADY PALM	7 GALLON, 36" PLANTED HT., CLUMP, 6 CANE MIN., FULL HEADS
	3	CAU	CRINUM AUGUSTUM 'QUEEN EMMA'	CRINUM LILY 'QUEEN EMMA'	7 GALLON 36" PLANTED HT. MIN., FULL
	6	MDE	MONSTERA DELICIOSA	MEXICAN BREADFRUIT	7 GALLON 36" PLANTED HT. MIN., FULL
GF	ROUND COVE	R			
Г	60	CIC	* CHRYSOBALANUS ICACO 'HORIZONTAL	HORIZONTAL COCOPLUM	3 GALLON 18" PLANTED HT. MIN., FULL TO BASE, 24" OC.
	48	LMU	LIRIOPE MUSCARI 'EVERGREEN GIANT'	GIANT LILYTURF	1 GALLON, FULL AND 25% FLOWERING MIN., 18" OC.
	136	MSC	MICROSORUM SCOLOPENDRIUM	WART FERN	1 GALLON 10" PLANTED HT. MIN., FULL TO BASE, 14" OC.
VII	NES				
	24	FPU	FICUS PUMILA	CREEPING FIG IVY	1 GALLON 6-8" RUNNERS MIN., GREEN, FULL, LA TO LOCATE
MU	JLCH AND SO	DD			
	TBD		RECYCLED MULCH	NO DYES, NO CYPRESS, 3" MIN. THICK	QUANTITY CALCULATED BY CONTRACTOR
	TBD		EMPIRE ZOYSIA	TURFGRASS	QUANTITY CALCULATED BY CONTRACTOR

REMOVED HORIZONTAL COCOPLUM AND PERENNIAL PEANUT FROM R.O.W.

NOTE: REQUIRED STREET TREES ARE SUBJECT TO THE REVIEW AND APPROVAL OF THE CIP OFFICE AND PW/GREENSPACE DIVISION PRIOR TO INSTALLATION.

STEPHEN M. CALLAHAN FLORIDA RLA #6667206

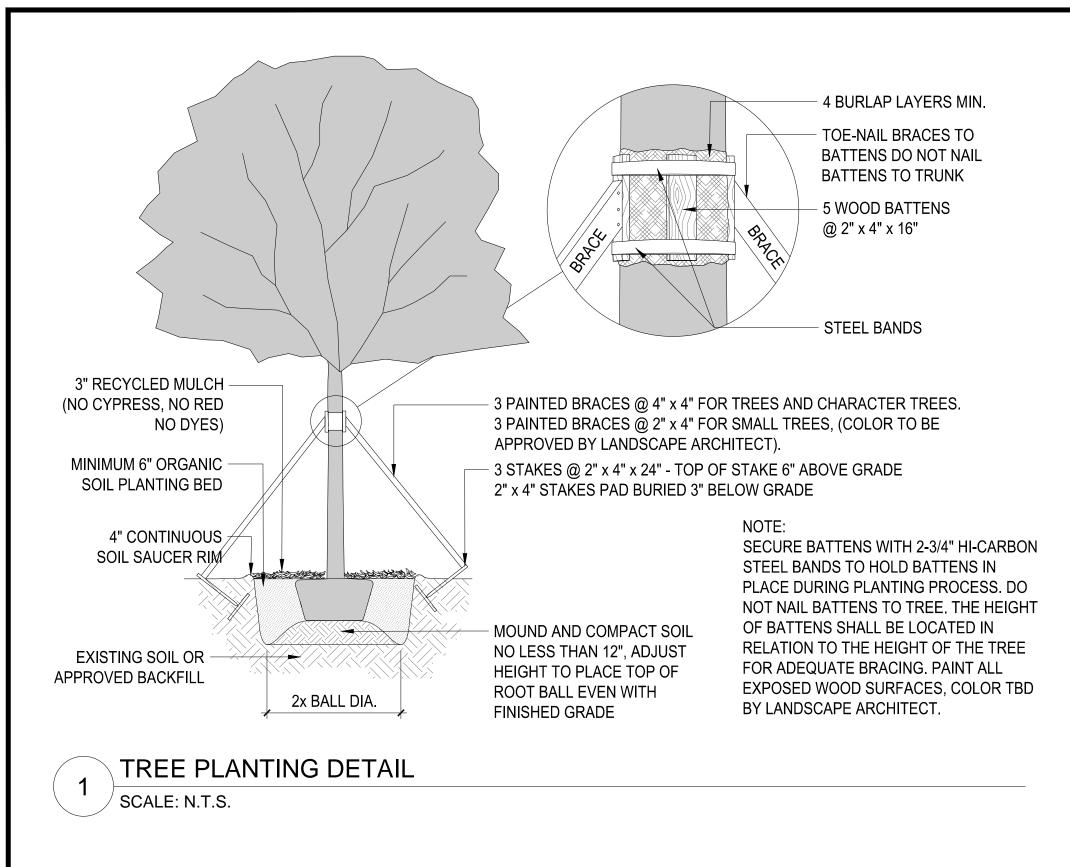
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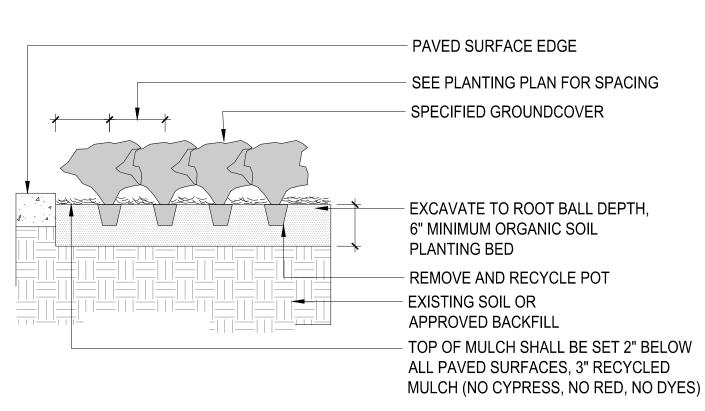
City Comments 1.6.20 sue Description

Residence-New Single-family 2321 North Bay Road Miami Beach, Florida roject Number 0457-schatzberg

> PLANTING PLAN

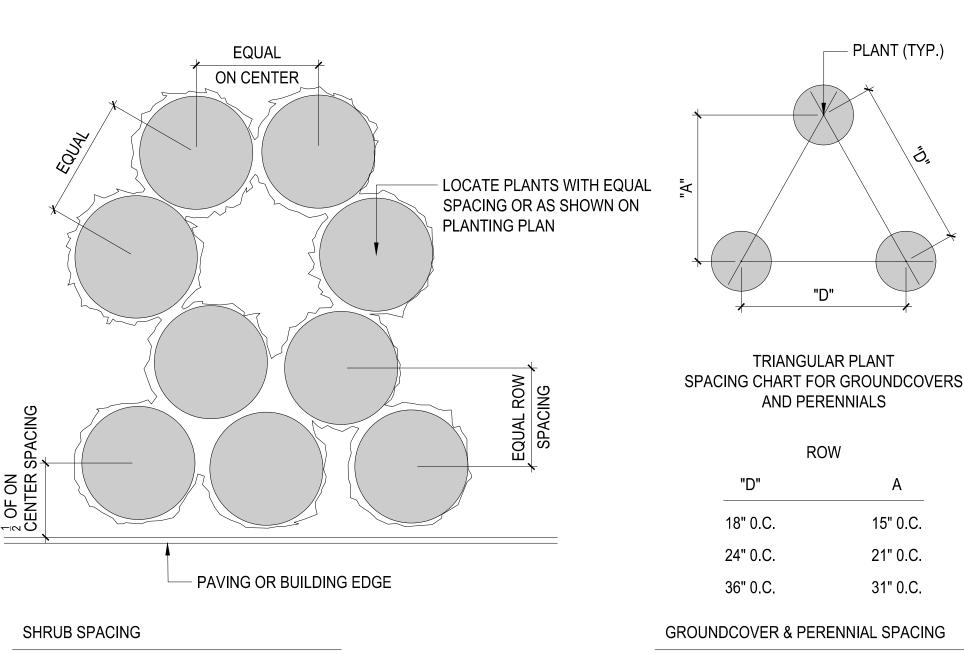
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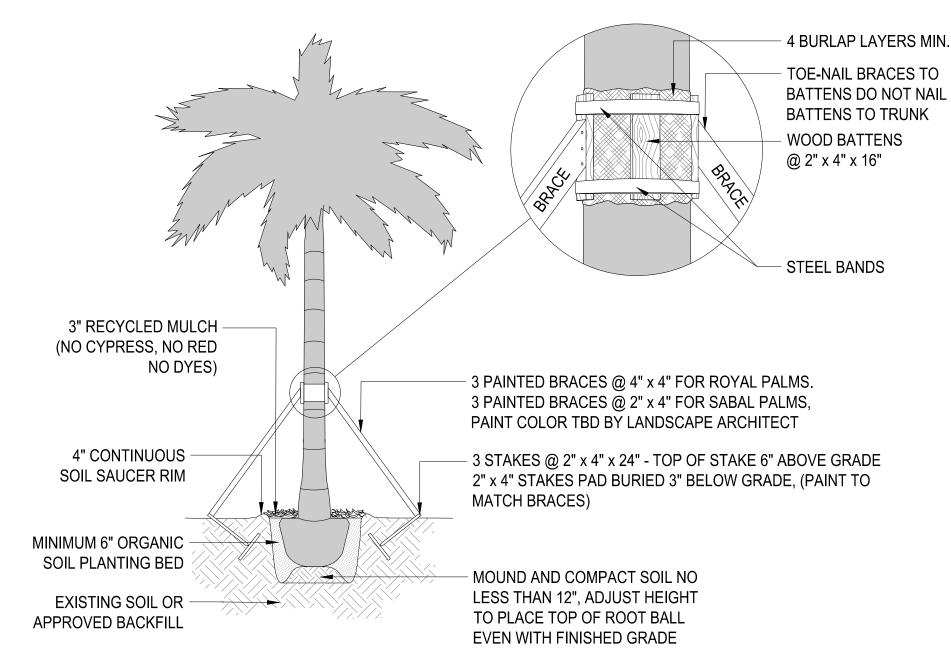
GROUNDCOVER PLANTING DETAIL

SCALE: N.T.S.



SHRUB AND GROUNDCOVER SPACING DETAIL SCALE: N.T.S





2 PALM PLANTING DETAIL SCALE: N.T.S.

## LANDSCAPE NOTES AND SPECIFICATIONS

SCOPE OF WORK
 THE WORK CONSISTS OF FURNISHING ALL LABOR, MATERIALS, EQUIPMENT, TOOLS,
TRANSPORTATION, AND ANY OTHER NECESSARY SUPPLIES FOR THE COMPLETION OF THIS
PROJECT AS SHOWN ON THE DRAWINGS, AS INCLUDED IN THE PLANT LIST, AND AS HEREIN

1.2. WORK SHALL INCLUDE MAINTENANCE AND WATERING OF ALL PLANTING AREAS OF THIS CONTRACT UNTIL CERTIFICATION OF ACCEPTABILITY BY THE OWNER.

2. PROTECTION OF EXISTING STRUCTURES

2.1. ALL EXISTING BUILDINGS, UTILITIES, WALKS, WALLS, PAVING, PIPING AND OTHER ITEMS OF CONSTRUCTION AND PLANTING ALREADY COMPLETED OR ESTABLISHED SHALL BE PROTECTED FROM DAMAGE BY THE CONTRACTOR UNLESS OTHERWISE SPECIFIED. ALL DAMAGE RESULTING FROM NEGLIGENCE SHALL BE REPAIRED ORE REPLACED BY THE CONTRACTOR TO THE SATISFACTION OF THE OWNER.

3. PROTECTION OF EXISTING PLANT MATERIALS OUTSIDE LIMIT OF WORK

3.1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNAUTHORIZED CUTTING OR DAMAGE TO TREES AND SHRUBS, EXISTING OR OTHERWISE, CAUSED BY CARELESS OPERATION OF EQUIPMENT, STOCKPILING OF MATERIALS, ETC. THIS SHALL INCLUDE COMPACTION BY DRIVING OR PARKING INSIDE THE DRIP-LINE OR THE SPILLING OF OIL, GASOLINE, OR OTHER HARMFUL MATERIALS.

3.2. NO MATERIALS SHALL BE BURNED ON OR ADJACENT TO THE PROPERTY SITE

4. MATERIALS

4.1. SUBMITTALS: GENERAL SAMPLES OF PLANTING MATERIALS AS LISTED BELOW SHALL BE SUBMITTED FOR APPROVAL BY THE LANDSCAPE ARCHITECT PRIOR TO ARRIVAL ON-SITE OR AS OTHERWISE DETERMINED IN WRITING. UPON APPROVAL OF SAMPLES, DELIVERY OF MATERIALS TO THE

MATERIAL SAMPLE SUBMITTALS: MULCH - ONE (1) CUBIC FOOT TOPSOIL - ONE (1) CUBIC FOOT

PROJECT SITE SHALL BEGIN.

GRAVEL AND DECORATIVE ROCK - ONE (1) CUBIC FOOT

ACCENT PLANTS, SHRUBS AND VINES - ONE (1) REPRESENTATIVE PHOTOGRAPH OF EACH VARIETY TREES AND PALMS - TWO (2) REPRESENTATIVE PHOTOGRAPHS FROM TWO ANGLES. NO EXCEPTIONS

4.2. PLANT MATERIALS

4.2.1. GENERAL: PLANT SPECIES AND SIZE SHALL CONFORM TO THOSE INDICATED WITHIN THE DRAWING AND PLANT LIST. ALL NURSERY STOCK SHALL BE IN ACCORDANCE WITH "GRADES AND STANDARDS FOR NURSERY PLANTS" PARTS I AND II. ALL PLANTS SHALL BE FLORIDA NO.1 AS AN ABSOLUTE MINIMUM UNLESS OTHERWISE SUPERCEDED BY A FLORIDA FANCY DESIGNATION, AS DETERMINED BY THE FLORIDA DIVISION OF PLANT INDUSTRY. ALL PLANTS SHALL BE FRESHLY DUG, HEALTHY, WELL-BRANCHED AND FREE OF DISEASE AND INSECTS, EGGS, AND LARVAE, AND SHALL HAVE ADEQUATE ROOT SYSTEMS. TREES FOR PLANTING IN ROWS SHALL BE UNIFORM IN SIZE AND SHAPE. ALL MATERIALS SHALL BE SUBJECT TO APPROVAL BY THE OWNER AND LANDSCAPE ARCHITECT.

4.2.2. MEASUREMENTS: THE HEIGHT AND OR WIDTH OF TREES SHALL BE MEASURED FROM THE TOP OF ROOTBALL (TRUNK FLARE) AND ACROSS THE AVERAGE SPREAD OF BRANCHES WITH THE PLANTS IN THEIR NORMAL POSITION. THIS MEASUREMENT SHALL NOT INCLUDE THE IMMEDIATE TERMINAL GROWTH. PLANTS IN LARGER SIZE THAN SPECIFIED ON THE PLANT LIST MAY BE USED IF APPROVED BY THE LANDSCAPE ARCHITECT. IF THE USE OF LARGER PLANTS IS APPROVED. THE ROOTBALL SHALL BE INCREASED IN PROPORTION TO THE SIZE OF THE PLANT.

4.2.3. INSPECTION: PLANTS SHALL BE SUBJECT TO INSPECTION AND APPROVAL AT THE PLACE OF GROWTH, OR UPON DELIVERY TO THE SITE, AS DETERMINED BY THE LANDSCAPE ARCHITECT FOR QUALITY, SIZE AND VARIETY; SUCH PRELIMINARY APPROVAL SHALL NOT SUPERCEDE THE RIGHT OF INSPECTION AND REJECTION AT THE SITE DURING PROGRESS OF THE WORK OR AFTER COMPLETION FOR SIZE AND CONDITION OF ROOTBALLS OR ROOTS, LATENT DEFECTS OR INJURIES, PRESENCE OF INSECTS, AND OTHER CONDITIONS THAT MAY HAVE OCCURRED SINCE THE NURSERY INSPECTION. REJECTED PLANTS SHALL BE REMOVED IMMEDIATELY FROM THE SITE. NOTICE REQUESTING INSPECTIONS SHALL BE SUBMITTED IN WRITING BY THE CONTRACTOR AT LEAST ONE (1) WEEK PRIOR TO CONSTRUCTION.

4.2.4. AMENDED PLANTING SOIL: PLANTING SOIL FOR USE IN BACK FILLING PLANTING HOLES SHALL BE FORTY PERCENT (40%) TOPSOIL AND SIXTY PERCENT (60%) SAND AND BE FERTILE, LOAMY CHARACTER. IT SHALL CONTAIN 5% DECOMPOSED ORGANIC MATTER FREE FROM FOREIGN MATERIALS OR TOXIC SUBSTANCES WHICH MAY BE HARMFUL TO PLANT GROWTH. PH RANGE SHALL BE 5.0 TO 7.0.

2.5. SAND SHALL BE CLEAN, WELL DRAINED NATIVE SAND. IF REQUESTED, CONTRACTOR SHALL SUBMIT RESULTS OF SOIL TESTS FOR TOPSOIL AND SAND PROPOSED FOR USE UNDER THIS CONTRACT AT NO COST TO OWNER. CLEAN DRAINAGE ROCK USED FOR PLANTERS TO BE #57.

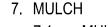
5. WATER

5.1. WATER NECESSARY FOR PLANTING AND MAINTENANCE SHALL BE OF SATISFACTORY QUALITY TO SUSTAIN AN ADEQUATE GROWTH OF PLANTS AND SHALL NOT CONTAIN HARMFUL ELEMENTS DETRIMENTAL TO PLANTS. WATER MEETING THE ABOVE STANDARD SHALL BE OBTAINED ON THE SITE FROM THE OWNER, IF AVAILABLE, AND CONTRACTOR SHALL MAKE ARRANGEMENTS FOR ITS USE OR PROVIDE OFF SITE SOURCES.

6. COMMERCIAL FERTILIZER

6.1. FERTILIZER SHALL BE A COMPLETE FORMULA; IT SHALL BE UNIFORM IN COMPOSITION, DRY AND DELIVERED IN MANUFACTURERS CONTAINER. FIFTY PERCENT (50%) OF THE NITROGEN SHALL BE FROM NATURAL SOURCES AND APPLIED AT RATES SUGGESTED BY MANUFACTURER'S SPECIFICATIONS.

1. SHRUBS AND TREES - MILORGANITE, OR APPROVED EQUAL
2. PERENNIALS AND GROUNDCOVERS - OSMOCOTE/SIERRA BLEND 14 - 14 - 14
3. SOD - 8 - 8 - 8



7.1. MULCH SHALL BE SHREDDED ORGANIC MATERIAL AS APPROVED BY THE GOVERNMENTAL AGENCY AN SHALL BE STERILIZED TO EFFECTIVELY ELIMINATE ALL SEEDS, SPORES, ETC.

AND STATES OF THE STATES

2x BALL DIA.

UNDERSTORY TREE PLANTING DETAIL

- 7.2. MULCH SHALL BE MOISTENED AT THE TIME OF APPLICATION AND PLANTED EVENLY AND SMOOTH AT A DEPTH OF THREE INCHES (3").
- 7.3. NO CYPRESS MULCH OR DYED MULCH SHALL BE ACCEPTED.

3" RECYCLED MULCH

(NO CYPRESS, NO RED

NO DYES)

4" CONTINUOUS

SOIL SAUCER RIM

MINIMUM 6" ORGANIC

SOIL PLANTING BED

APPROVED BACKFILL

EXISTING SOIL OR

SCALE: N.T.S.

8. DIGGING AND HANDLING

- 8.1. PROTECT ROOT SYSTEMS OR ROOTBALLS OF PLANTS AT ALL TIMES FROM SUN AND WINDS, EROSION, ETC. UNTIL PLANTING. PLANT MATERIALS SHALL BE PACKED TO PREVENT BREAKING AND DRYING OUT DURING LOADING, TRANSIT AND PLANTING.
- 8.2. INTACT BALLED AND BURLAPPED PLANTS SHALL BE DUG WITH FIRM ROOTBALLS OF SOIL OF SUFFICIENT SIZE TO ENCOMPASS THE FIBROUS AND FEEDING ROOTS OF THE PLANTS AND IN ACCORDANCE WITH FLORIDA GRADES AND STANDARDS FOR NURSERY PLANTS.
- 8.3. PROTECTION OF PALMS: REMOVAL OF MINIMAL FRONDS FROM THE CROWN OF PALM TREES AS SPECIFIED BY FLORIDA GRADES AND STANDARDS FOR NURSERY PLANTS FOR TRANSPORTATION. EXCESSIVE PRUNING OR SHAVING OF ROOTBALLS MAY CONSTITUTE REJECTION ON SITE. ALL PALMS SHALL BE BRACED PER PALM PLANTING DETAILS PROVIDED WITHIN THE PLANTING DETAILS.
- 8.4. EXCAVATION OF PLANTING HOLES SHALL BE DONE USING EXTREME CARE TO AVOID DAMAGE TO SURFACE AND SUBSURFACE ELEMENTS SUCH AS UTILITIES OR HARDSCAPE ELEMENTS, BULKHEADS, BULKHEAD TIEBACK.

9. CONTAINER GROWN STOCK

- 9.1. ALL CONTAINER GROWN MATERIAL SHALL BE HEALTHY, VIGOROUS, WELL-ROOTED AND ESTABLISHED IN THE CONTAINER WHICH THEY ARE SOLD. THE PLANTS SHALL HAVE TOPS WHICH ARE OF GOOD QUALITY AND ARE IN A HEALTHY GROWING CONDITION, AND SHALL MEET MINIMUM SPECIFICATIONS IN THE PLANT LIST.
- 9.2. AN ESTABLISHED CONTAINER GROWN PLANT SHALL BE TRANSPLANTED INTO A CONTAINER AND GROWN IN THAT CONTAINER SUFFICIENTLY LONG FOR THE NEW FIBROUS ROOTS TO HAVE DEVELOPED SO THAT THE ROOT MASS WILL RETAIN ITS SHAPE AND HOLD TOGETHER WHEN REMOVED FROM THE CONTAINER.
- 9.3. PLANT ROOTS BOUND IN CONTAINERS SHALL NOT BE ACCEPTABLE.
- 9.4. SUBSTITUTION OF NON-CONTIANER GROWN MATERIAL FOR MATERIAL EXPLICITLY SPECIFIED TO BE CONTAINER GROWN WILL NEED AUTHORIZATION FROM THE LANDSCAPE ARCHITECT.

10. PLANT LIST

10.1. QUANTITIES NECESSARY TO COMPLETE THE WORK ON THE DRAWINGS SHALL BE FURNISHED. QUANTITY ESTIMATES THAT HAVE BEEN MADE CAREFULLY, BUT THE LANDSCAPE ARCHITECT OR OWNER ASSUMES NO LIABILITY FOR OMISSIONS OR ERRORS. THE PLANTING PLAN SHALL TAKE PRECEDENCE OVER PLANTING LIST.

11. FINE GRADING

- 11.1. FINE GRADING

  11.1. FINE GRADING UNDER THIS CONTRACT SHALL CONSIST OF FINAL FINISHED GRADING OF LAWN AND PLANTING AREAS THAT HAVE BEEN ROUGH GRADED BY OTHERS. EXACT WORK AS SHOWN ON THE DRAWINGS SHALL BE THE RESPONSIBILITY OF THE LANDSCAPE CONTRACTOR, UNLESS SPECIFIED BY THE LANDSCAPE ARCHITECT OR OWNER.
- 11.2. THE LANDSCAPE CONTRACTOR SHALL FINE GRADE THE LAWN AND PLANTING AREAS TO BRING THE ROUGH GRADE UP TO FINAL FINISHED GRADE ALLOWING FOR THICKNESS OF SOD AND/OR MULCH
- 11.3. ALL PLANTING AREAS SHALL BE GRADED AND MAINTAINED TO ALLOW FREE FLOW OF SURFACE WATER. AREAS ADJACENT TO BUILDINGS SHALL SLOPE AWAY FROM THE FOUNDATION.

12. PLANTING PROCEDURES

- 12.1. CLEANING UP BEFORE COMMENCING WORK: THE CONTRACTOR SHALL CLEAN UP SURROUNDING AREAS OF ALL GARBAGE, AND DISPOSE OF CONSTRUCTION MATERIAL, MORTAR, CEMENT, AND TOXIC MATERIALS SHALL BE REMOVED FROM THE SITE. SHOULD THE CONTRACTOR FIND SUCH SOIL CONDITIONS WHICH WILL AFFECT THAT VIABILITY OF THE PLANTS TO BE IN STALLED IMMEDIATELY BRING IT TO THE ATTENTION TO THE LANDSCAPE ARCHITECT OR GENERAL CONTRACTOR.
- 12.2. THE CONTRACTOR SHALL BE RESPONSIBLE VERIFYING LOCATIONS OF ALL UTILITIES, CONDUITS, SUPPLY LINES, AND CABLES FROM BUILDING INCLUDING BUT NOT LIMITED TO: ELECTRIC, GAS LINES AND TANKS, WATER, SANITARY SEWER, STORM WATER LINES, CABLE AND TELEPHONE. PROPERLY MAINTAIN AND PROTECT EXISTING UTILITIES.
- 12.3. THE CONTRACTOR SHALL BE RESPONSIBLE TO REMOVE ALL EXISTING AND IMPORTED LIMEROCK AND SUB -BASE FROM ALL LANDSCAPE PLANTING AREAS TO MINIMUM DEPTH OF 36" BELOW FINISH GRADE AND BACK FILL THESE PLATING AREAS TO FINISHED GRADE WITH CLEAN TOPSOIL.
- 12.4. PLANTING HOLES SHALL BE EXCAVATED TO SIZE AND DEPTH IN ACCORDANCE WITH ANSI SPECIFICATIONS.
- 12.5. CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO AVOID DAMAGE TO BUILDINGS, CURBS, PAVING, AND OTHER HARDSCAPE MATERIALS WHILE INSTALLING PLANTING MATERIALS.
- 12.6. TREES AND SHRUBS SHALL BE SET STRAIGHT AND TO FINISHED GRADE. THE TOP OF THE ROOT SYSTEM WILL STAND ONE (1) TO TWO (2) INCHES ABOVE GRADE. EACH PLANT SHALL BE SET IN THE CENTER OF THE PLANTING HOLE, PLANTING SOIL MIXTURE SHALL BE BACKFILLED AND THOROUGHLY TAMPED AROUND THE ROOTBALL AND SHALL BE SETTLED BY WATERING AFTER
- 12.7. EACH TREE SHALL BE PRUNED TO PRESERVE THE NATURAL CHARACTER OF THE SPECIES. ALL SUCKER GROWTH SHALL BE COMPLETELY REMOVED PRIOR TO PLANTING.

12.8. SHRUBS AND GROUNDCOVER PLANTS SHALL BE EVENLY SPACED IN ACCORDANCE WITH THE SPECIFICATIONS OUTLINED IN THE PLANT LIST. CULTIVATED ALL MASS PLANTING AREAS TO A MINIMUM DEPTH OF 6", REMOVE AND DISPOSE ALL DEBRIS, TILL 4" OF PLANTING OF PLANTING SOIL MIX INTO THE NEWLY TILLED PLANTING BED FOR GENERAL NUTRIENT DISBURSEMENT.

13. CLEANUP

**GUY-WIRE TO HAVE PROTECTIVE** 

**RUBBER SLEEVE WHEN IN** 

LOCATE BLACK GUY-WIRE

ABOVE FIRST BRANCH ADJUSTABLE SLIP KNOT

SAFETY BLACK GUYING

LINE-FASTING TO STAKE

3 STAKES @ 2" x 4" x 24"

TOP OF STAKE 6" ABOVE GRADE

MOUND AND COMPACT SOIL

NO LESS THAN 12", ADJUST

HEIGHT TO PLACE TOP OF

ROOT BALL EVEN WITH

FINISHED GRADE

CONTACT WITH TREE TRUNK

13.1. UPON COMPLETION OF ALL PLANTING WORK AND BEFORE FINAL ACCEPTANCE, THE CONTRACTOR SHALL REMOVE ALL MATERIAL, EQUIPMENT AND DEBRIS RESULTING FROM THE WORK. ALL PAVED AREAS SHALL BE BROOM CLEANED AND THE SITE LEFT IN A NEAT AND ACCEPTABLE CONDITION AS APPROVED BY THE LANDSCAPE ARCHITECT.

2x BALL DIA.

SHRUB PLANTING DETAIL

 $^{\prime}$  SCALE: N.T.S.

LOOSEN AND SCORE ALL BOUND ROOTS

3" RECYCLED MULCH

NO DYES)

3" CONTINUOUS

SOIL SAUCER RIM

EXISTING SOIL OR

APPROVED BACKFILL

**MINIMUM 6" ORGANIC** 

MOUND AND COMPACT SOIL

NO LESS THAN 6", ADJUST

HEIGHT TO PLACE TOP OF

ROOT BALL EVEN WITH

FINISHED GRADE

SOIL PLANTING BED

(NO CYPRESS, NO RED

REMOVE AND RECYCLE POT

14. WARRANTY

- 14.1. THE LIFE AND SATISFACTORY CONDITION OF ALL PLANT MATERIAL INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE GUARANTEED BY THE CONTRACTOR FOR A MINIMUM OF ONE (1) CALENDAR YEAR COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE OWNER.
- 14.2. THE LIFE AND SATISFACTORY CONDITION OF ALL SOD INSTALLED BY THE LANDSCAPE CONTRACTOR SHALL BE GUARANTEED BY THE CONTRACTOR FOR A MINIMUM OF NINETY )90) CALENDAR DAYS, COMMENCING AT THE TIME OF CERTIFICATION OF ACCEPTABILITY BY THE OWNER OR OWNER REPRESENTATIVE.
- 14.3. REPLACEMENT: ANY PLANT NOT IN A HEALTHY OR THRIVING GROWING CONDITION SHALL BE REMOVED AND REPLACED. TREES AND PALMS GIVEN A PERIOD OF NINETY (90) DAYS BEFORE REMOVAL TO ALLOW THE CONTRACTOR TO RESURRECT THE TREE IN QUESTION AND BRING IT TO A THRIVING, HEALTHY CONDITION. ALL REPLACEMENTS SHALL BE PLANTS OF LIKE KIND, CONDITION, SIZE AS SPECIFIED IN THE PLANT LIST. THEY SHALL BE FURNISHED, PLANTED, AND MULCHED AS SPECIFIED. ANY REPAIRS FROM REPLACEMENT ARE THE RESPONSIBILITY OF THE CONTRACTOR AT NO COST TO OWNER. REPLACEMENT MATERIAL SHALL BE GUARANTEED FOR ONE (1) YEAR PERIOD FROM THE DAY OF REPLACEMENT ACCEPTANCE BY THE OWNER.

15. GRADING AND DRAINAGE NOTES

- 15.1. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES IN ACCORDANCE WITH THE DIG SAFE NOTIFICATION PROCEDURES PROMOTED BY THE UTILITY COMPANIES IN FLORIDA BY CALLING 811.
- 15.2. CONTRACTOR SHALL BLEND NEW EARTHWORK SMOOTHLY INTO EXISTING PROVIDING VERTICAL CURVES OR ROUNDINGS AT ALL TOP AND BOTTOM OF SLOPES.
- 15.3. CONTRACTOR SHALL PITCH EVENLY BETWEEN SPOT GRADES. ALL PAVED AREAS MUST PITCH TO DRAIN AT A MINIMUM SLOPE OF ONE-EIGHT INCH (1/8") PER FOOT.

16. ROOT CONTROL BARRIER

- 16.1. ROOT CONTROL PRODUCT SHALL BE A BIOLOGICAL BARRIER PRODUCT. PRODUCT SPECIFICATIONS SHALL BE SUBMITTED TO THE LANDSCAPE ARCHITECT FOR APPROVAL.
- 16.2. PRODUCT SHALL BE A BIOLOGICAL BARRIER UTILIZING TIME-RELEASE CAPSULES INTEGRATED INTO A GEOTEXTILE FABRIC. ACTIVE HERBICIDE SHALL BE TRIFURALIN AND MINIMUM TIME RELEASE OF EFFECTIVE PRODUCT SHALL BE 15 YEARS IN THE MOST ADVERSE CONDITIONS FOR SUCH PRODUCT.
- 16.3. PRODUCT SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND INSTRUCTIONS FOR ROOT CONTROL SYSTEMS.
- 16.4. IF REQUIRED, USE PRODUCT WHERE TREES ARE WITHIN EIGHT FEET OR LESS OF HARDSCAPE SURFACES INCLUDING CURBS, SIDEWALKS, STEPS, AND ROADWAYS.

17. IRRIGATION

17.1. IRRIGATION SYSTEM SHALL CONSIST OF AN AUTOMATIC, UNDERGROUND SYSTEM PROVIDING 100% COVERAGE WITH 100% OVERLAP AND CONTAIN A RAIN SENSOR INSTALLED BY THE CONTRACTOR. THIS SYSTEM SHALL BE IN STALLED AND OPERATIONAL WITHIN TWO (2) DAYS OF THE INITIAL LANDSCAPE INSTALLATION. CONTRACTOR SHALL INSTALL SEPARATE PVC CONDUIT SLEEVES FOR ALL IRRIGATION PIPING BENEATH PAVEMENT AREAS.

18. GENERAL PLANTING NOTES

18.1. THE CONTRACTOR SHALL SUPPLY ALL PLANT MATERIALS IN QUANTITIES SUFFICIENT TO COMPLETE THE PLANTING SHOWN IN THE DRAWINGS AND SPECIFICATIONS.

18.3. ALL PLANTS SHALL BE WATERED BY HAD IN SUFFICIENT QUANTITIES TO THOROUGHLY WET ENTIRE

- 18.2. ALL BIODEGRADABLE BURLAP SHALL BE UNITED AND PULLED DOWN TO EXPOSE THE TOP 1/2 OF BALL. WIRE BASKETS AND OTHER NON-BIODEGRADABLE MATERIALS ATTACHED TO PLANTS SHALL BE REMOVED PRIOR TO PLANTING. CARE SHALL BE TAKEN NOT TO BREAK OR DISTURB ROOTBALL
- ROOT SYSTEM IMMEDIATELY AFTER PRUNING.

  18.4. ALL PLANTS SHALL BE GUARANTEED TO A PERIOD OF ONE (1) YEAR AFTER ACCEPTANCE OF THE
- PROJECT AND SHALL BE VIGOROUS AND THRIVING AT THE END OF THE GUARANTEE PERIOD. SEE SECTION 14. WARRANTY FOR MORE DETAILS.

  18.5 CONTRACTOR SHALL LOCATE AND VERIEY ALL EXISTING AND PROPOSED LITHLITIES. PRIOR TO
- 18.5. CONTRACTOR SHALL LOCATE AND VERIFY ALL EXISTING AND PROPOSED UTILITIES, PRIOR TO PLANTING AND SHALL REPORT ANY CONFLICTS TO THE OWNER AND LANDSCAPE ARCHITECT..
- 18.6. CONTRACTOR SHALL FAMILIARIZE THEMSELVES WITH THE LIMITS OF WORK AND EXISTING
   CONDITIONS AND VERIFY ALL INFORMATION. IF DISCREPANCIES EXIST CONTRACTOR SHALL NOTIFY
   OWNER AND LANDSCAPE ARCHITECT IN WRITING WITHIN SEVEN (7) CALENDAR DAYS OF NOTICE TO
   PROCEED.
   18.7. CONTRACTOR SHALL VERIFY LOCATIONS OF AL UNDERGROUND UTILITIES AND OBTAIN AS-BUILT
- INFORMATION. CONTRACTOR SHALL NOTIFY THE OWNER AND LANDSCAPE ARCHITECT IN WRITING WITHIN SEVEN (7) CALENDAR DAYS OF NOTICE TO PROCEED OF ANY DISCREPANCIES.
- 18.8. CONTRACTOR SHALL NOTIFY ALL NECESSARY UTILITY COMPANIES SEVEN (7) DAYS PRIOR TO DIGGING FOR VERIFICATION OF ALL UNDERGROUND UTILITIES BY CALLING 811.
   18.9. CONTRACTOR SHALL TAG AND NUMBER ALL PLANT MATERIAL TO BE RELOCATED. THE
- CONTRACTOR SHALL FULLY ASSIST AND COORDINATE THIS WORK WITH THE LANDSCAPE ARCHITECT PRIOR TO INITIATING FIELD DIGGING THE RELOCATED TREES.

  18.10. LOCATIONS OF RELOCATED PLANT MATERIAL ARE APPROXIMATED ON THE DRAWINGS. EXACT
- LOCATIONS OF THE RELOCATED PLANT MATERIAL WILL BE CLARIFIED IN THE FIELD BY THE LANDSCAPE ARCHITECT.

  18.11. THE CONTRACTOR SHALL BEAR ALL COSTS OF TESTING SOILS, AMENDMENTS, ETC. ASSOCIATED
- WITH THE WORK AND INCLUDED IN THE SPECIFICATIONS.

  18.12. CONTRACTOR SHALL FIELD STAKE THE LOCATIONS OF ALL PLANT MATERIAL PRIOR TO INITIATING INSTALLATION FOR THE REVIEW AND APPROVAL BY THE LANDSCAPE ARCHITECT. THE LANDSCAPE ARCHITECT SHALL BE NOTIFIED AT LEAST ONE WEEK PRIOR. NO EXCEPTIONS

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Project Name

Schatzberg

ResidenceNew Single-fam

Residence

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PLANTING
DETAILS AND
LANDSCAPE

0457-schatzberg

Sheet Number

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