

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.

CITY OF MIAMI BEACH TREE DISPOSITION NOTES

SHALL TAKE PRECEDENCE OVER ANY OTHER NOTES OR DISCREPANCIES

- The Landscape Contractor shall guarantee all new and or relocated trees and palms for a period of 1-year from the date of initial acceptance and approval.
- All guying and staking shall be removed from all trees and palms within twelve months after planting. Exceptions require written authorization from the City Urban Forester.
- Tree protection barriers may not be taken down, modified and or removed without written authorization from the City Urban Forester.
- Mulch shall not be applied within 6" of any tree or palm trunks that are installed or incorporated into the project.
- A final on-site inspection shall be required by the Urban Forestry Division staff prior to any official acceptance of ROW plant material, in order to verify proper planting depth, spacing and quality of the material. Failure to conduct the inspection could result in rejection of the plant material.



SCALE: 1" = 10'

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SEE LANDSCAPE PLANS FOR PROPOSED PLANTINGS, LANDSCAPE LEGEND, PLANTLIST, DETAILS, ETC.

TREE DISPOSITION PLAN

SINGLE FAMILY RESIDENCE, 2051 N. BAY ROAD, MIAMI BEACH, FL. 33140

13-Jul-16												
TREE	SYM	COMMON NAME	BOTANICAL NAME	HEIGHT	SPREAD	DBH inches	STATUS	CANOPY	CANOPY LOSS	DBH LOSS	PALM LOSS	REMARKS
1	PE3	ALEXANDER PALM	<i>Ptychosperma elegans</i>	12	6	12	REMOVE	28	28			
2	BIS	SILVER BISMARK PALM	<i>Bismarkia nobilis</i> "Silver"	17	6	12	REMOVE	28	28			
3	RAV	TRAVELER'S PALM	<i>Ravenala madagascarensis</i>	12	7	18	REMOVE	39	39			
4	LC	CHINESE FAN PALM	<i>Livistonia chinensis</i>	18	6	10	REMAIN	28				
5	CN	GREEN MALAYAN COCONUTS	<i>Cocos nucifera</i>	22	10	12	REMOVE	79	79			
6	CN	GREEN MALAYAN COCONUTS	<i>Cocos nucifera</i>	22	10	12	REMOVE	79	79			
7	LC	CHINESE FAN PALM	<i>Livistonia chinensis</i>	16	8	7	REMAIN	50				
8	AM1	CHRISTMAS PALM	<i>Adonidia merrillii</i>	14	18	17	REMOVE	254	254			
9	AM1	CHRISTMAS PALM	<i>Adonidia merrillii</i>	12	12	11	REMOVE	113	113			
10	RE	ROYAL PALM	<i>Roystonea elata</i>	28	18	26	REMAIN	254				
11	RE	ROYAL PALM	<i>Roystonea elata</i>	28	18	26	REMAIN	254				
12	RE	ROYAL PALM	<i>Roystonea elata</i>	28	18	26	REMOVE	254	254			
13	RE	ROYAL PALM	<i>Roystonea elata</i>	28	18	26	REMOVE	254	254			
14	RE	ROYAL PALM	<i>Roystonea elata</i>	28	18	26	REMOVE	254	254			
15	PITH	PITCHECELLOBIUM	<i>Pithecellobium species</i>	22	26	18	REMOVE	380	380			
16	PON	PONGAM	<i>Milletia pinnata</i>	19	20	30	REMAIN	314				
17	VM	MONTGOMERY PALM	<i>Veitchia montgomeryana</i>	23	10	12	REMAIN	79				
17A	VM	MONTGOMERY PALM	<i>Veitchia montgomeryana</i>	23	10	12	REMAIN	79				
17B	VM	MONTGOMERY PALM	<i>Veitchia montgomeryana</i>	23	10	12	REMOVE	79	79			
17C	VM	MONTGOMERY PALM	<i>Veitchia montgomeryana</i>	23	10	12	REMOVE	79	79			
17D	VM	MONTGOMERY PALM	<i>Veitchia montgomeryana</i>	23	10	12	REMOVE	79	79			
17E	VM	MONTGOMERY PALM	<i>Veitchia montgomeryana</i>	23	10	12	REMOVE	79	79			
18	PE2	ALEXANDER PALM	<i>Ptychosperma elegans</i>	23	10	12	REMOVE	79	79			
19	PE2	ALEXANDER PALM	<i>Ptychosperma elegans</i>	23	10	12	REMOVE	79	79			
20	PE2	ALEXANDER PALM	<i>Ptychosperma elegans</i>	23	10	12	REMOVE	79	79			
		TOTALS						3,373	2,315			
								</				

SINGLE FAMILY RESIDENCE

2051 N. Bay Road,
Miami Beach, FL. 33019

No.	Date	Revision
1.	07/15/16	Per City Planning Staff comments.

designed: JIMMYTICO
drawn: CURRO
checked: T.Y. MORAN
approved: J. F. SOCAASH
project #: 16-58
scale: AS SHOWN
date: June 30, 2016
Folio:



Drawing:

TD-1

2021 N. Bay Road, MIAMI BEACH, FL. 33109

LANDSCAPE LEGEND (THIS INFORMATION IS REQUIRED TO BE PERMANENTLY AFFIXED TO THE PLAN)

ZONING DISTRICT: RS-4 NET LOT AREA 0.11 ACRES 1,458 SQUARE FEET

OPEN SPACE	REQUIRED	PROVIDED
A. Square feet of open space required by Chapter 33, as indicated on site plan: Net lot area = <u>6,451</u> square feet x <u>35</u> % = <u>2,273</u> square feet	<u>2,610</u>	<u>2,632</u>
B. Square feet of parking lot open space required by Chapter 184, on site plan: The number of parking spaces <u>0</u> x <u>10</u> square feet per parking space =	<u>0</u>	<u>0</u>
C. Total square feet of open space required by Chapter 33: A + B =	<u>2,610</u>	<u>2,632</u>

LAWN AREA CALCULATION

A. Total square feet of landscaped open space required by chapter 33 =	<u>2,273</u>	<u>3,721</u>
B. Maximum lawn area (St. Augustine sod) permitted: <u>35</u> % x <u>2,610</u> square feet	<u>915</u>	<u>915</u>

TREES

A. The number of trees required per net lot acre Less the existing number of trees that meet minimum requirements <u> </u> trees x net lot acreage =	<u>3</u> (minus) <u>-</u> <u>-</u>	<u>14</u> <u>-</u> <u>-</u>
B. 30% Palms trees allowed (two palms = one tree) Palms provided =	<u>1</u>	<u>-</u>
C. Percentage of natives trees required = the number of trees provided x 30% =	<u>1</u>	<u>14</u>
D. Street Trees (max. average spacing of 35' o.c.) <u> </u> linear feet along street /25' Palms as street trees (max. average spacing 25' o.c.) <u> </u> linear feet along street /25'	<u>2</u>	<u>2</u>
E. Street Trees located directly beneath power lines (Max. average spacing of 25' o.c.) <u> </u> linear feet along street /25'	<u>-</u>	<u>-</u>
F. Total number of trees provided =	<u>5</u>	<u>16</u>

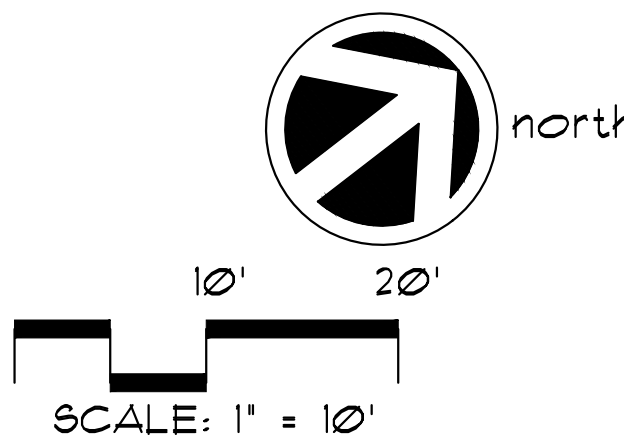
SHRUBS:

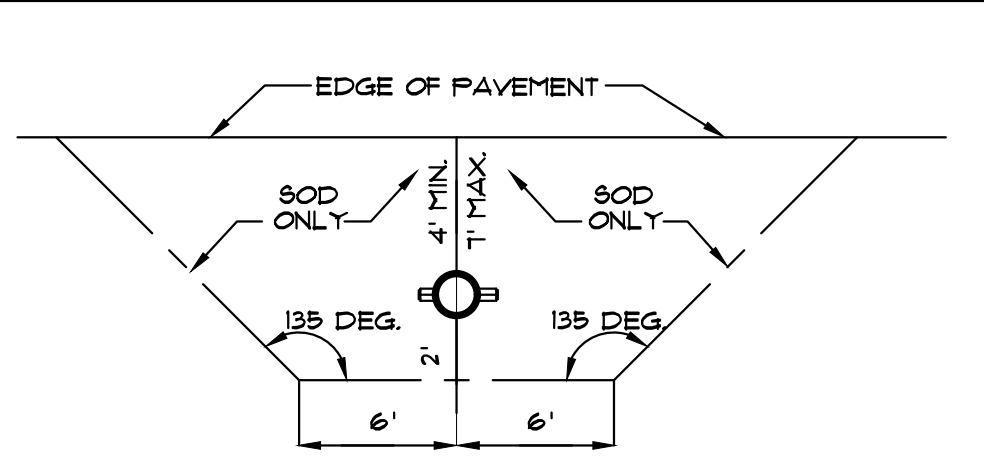
A. The total number of trees required x 10 = number of shrubs required	<u>50</u>	<u>120</u>
B. The number of shrubs required x 30% = the number of native shrubs required	<u>15</u>	<u>104 (86.6 %)</u>

IRRIGATION PLAN Required by Chapter 33. Autoirrigation YES or hose bib

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

SEE L-2 FOR LANDSCAPE DETAILS, NOTES, SPECIFICATIONS, ETC.





REQUIREMENTS APPLY TO FIRE HYDRANTS, SHARED 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

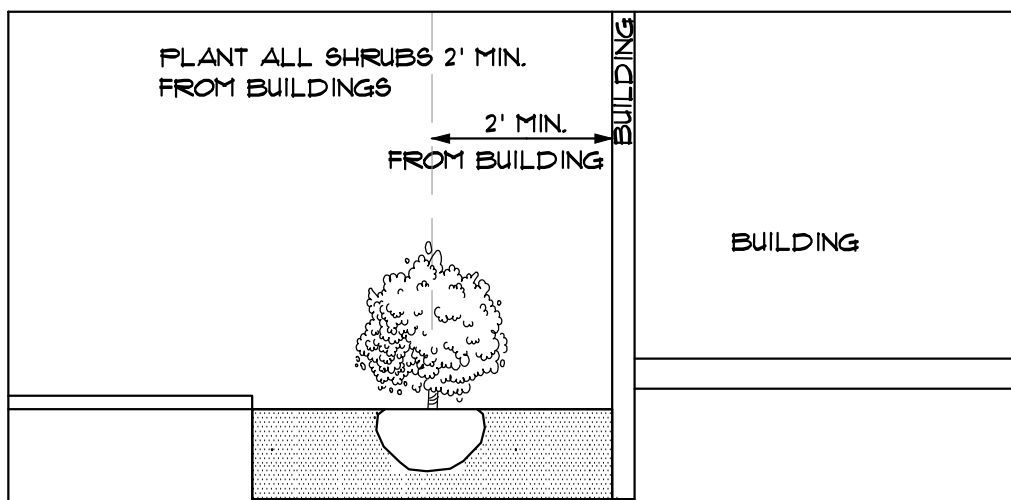
THIS DIAGRAM SHALL APPEAR ON ALL LANDSCAPE PLANS PRIOR TO APPROVAL.

THE CLEAR ZONE SHALL BE FREE OF LANDSCAPE (EXCEPT 8'0D), MAILBOXES, PARKING, LAMP-POSTS AND ALL OTHER OBJECTS.

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

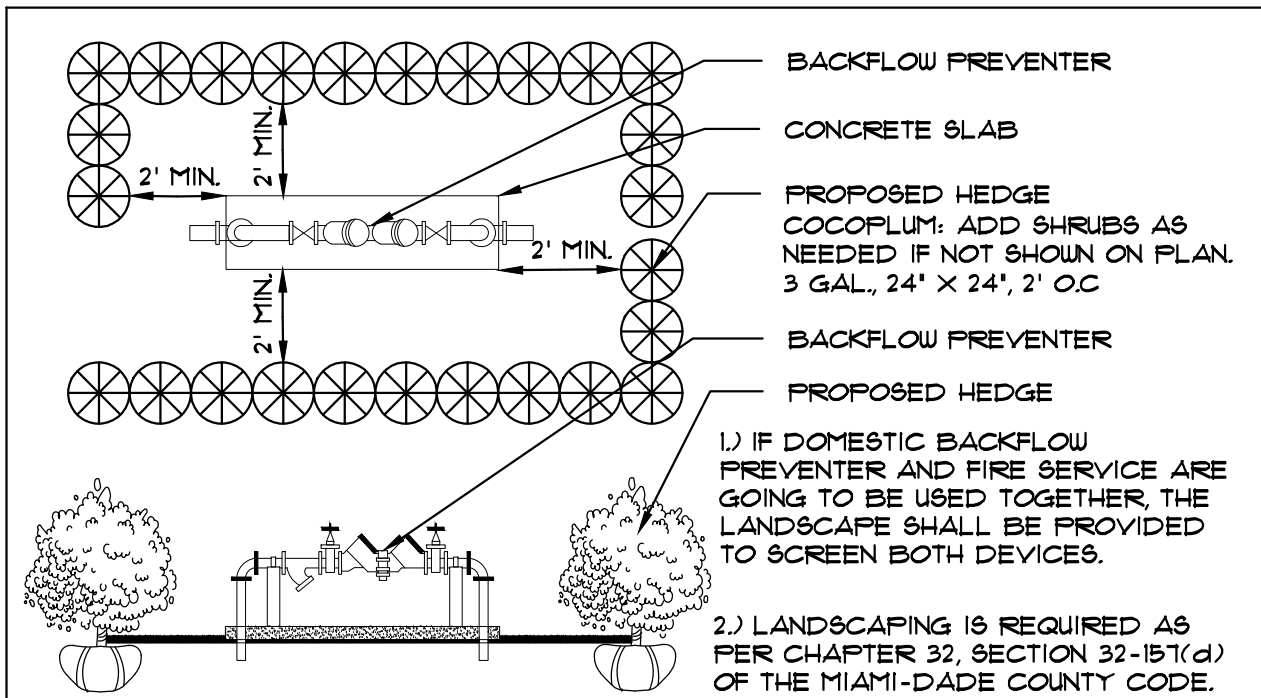
FIRE HYDRANT CLEAR ZONE

N.T.S.



SHRUB PLANTINGS BUILDING DETAIL

N.T.S.



TYPICAL PLANTING SCREEN FOR ABOVE-GROUND UTILITIES

N.T.S.

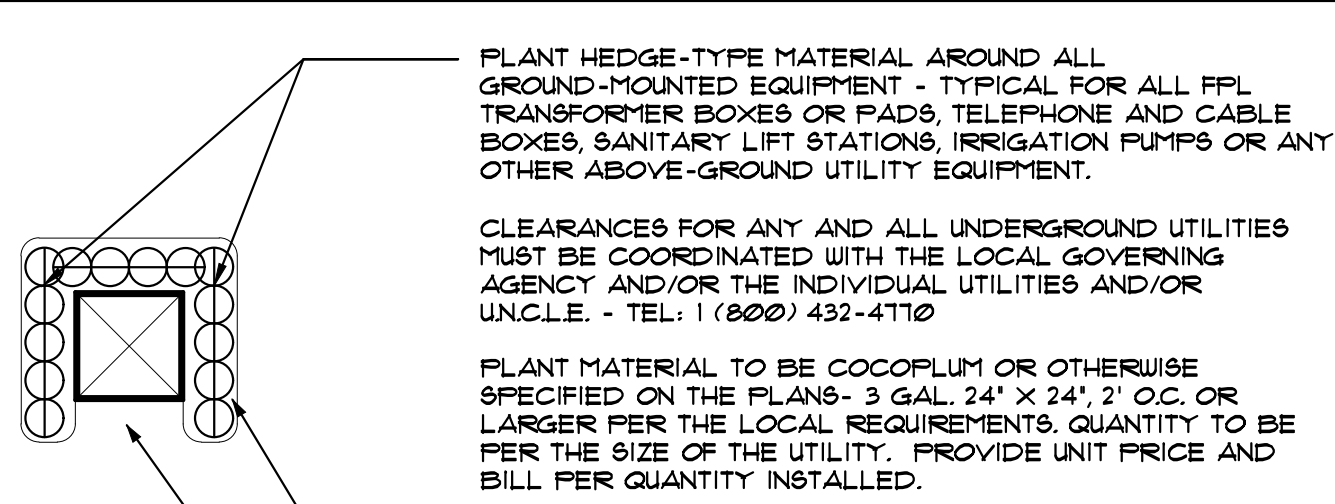
PLANTING SOIL:

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" FOR ALL PLANTING BEDS AND A 2" DEPTH FOR ALL 8'0D AREAS. THE CONTRACTOR SHALL CALCULATE AND PROVIDE A UNIT AND AN EXTENDED PRICE FOR THIS ITEM.

FERTILIZATION:

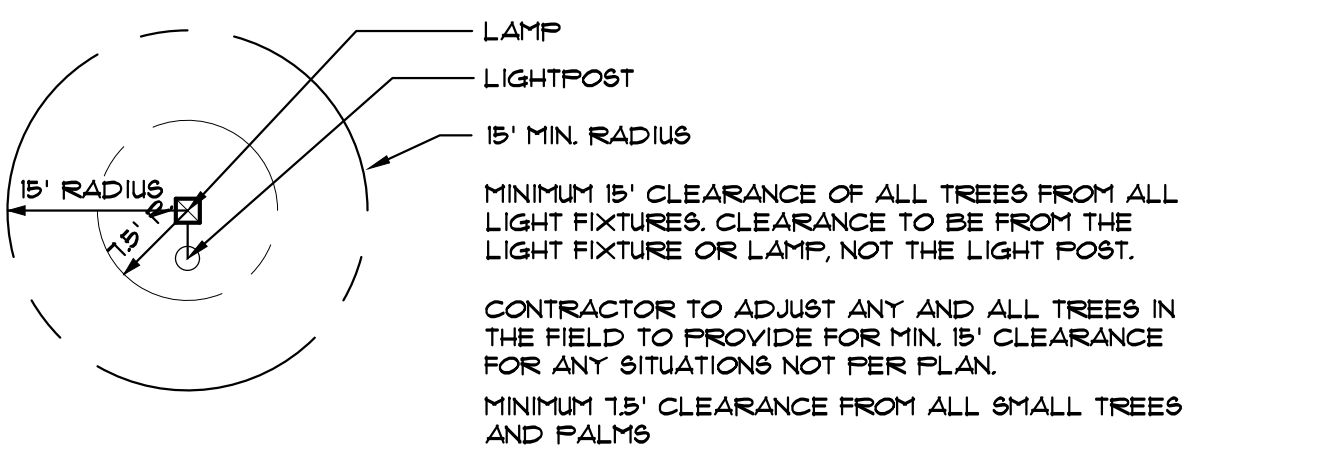
ONE COMPLETE APPLICATION OF GRANULAR FERTILIZER SHALL BE APPLIED PRIOR TO FINAL ACCEPTANCE AND APPROVAL BY THE LANDSCAPE ARCHITECT. AN ADDITIONAL FERTILIZATION PROGRAM SHALL BE SUBMITTED TO THE PROJECT MANAGER FOR AN ANNUAL FERTILIZATION APPLICATION PROGRAM. FERTILIZERS SHALL BE PER ATLANTIC AFEC FERTILIZER (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 # 5231) RATE: 15 LBS/ INCH OF DIA. # DBH PALMS: 12-04-12 (AFEC # 7216) RATE: 15 LBS/ INCH OF DIA. # DBH SHRUBS AND GROUNDCOVERS: 12-06-08 (AFEC # 5231) RATE: 15 OZ/ FT. OF HEIGHT



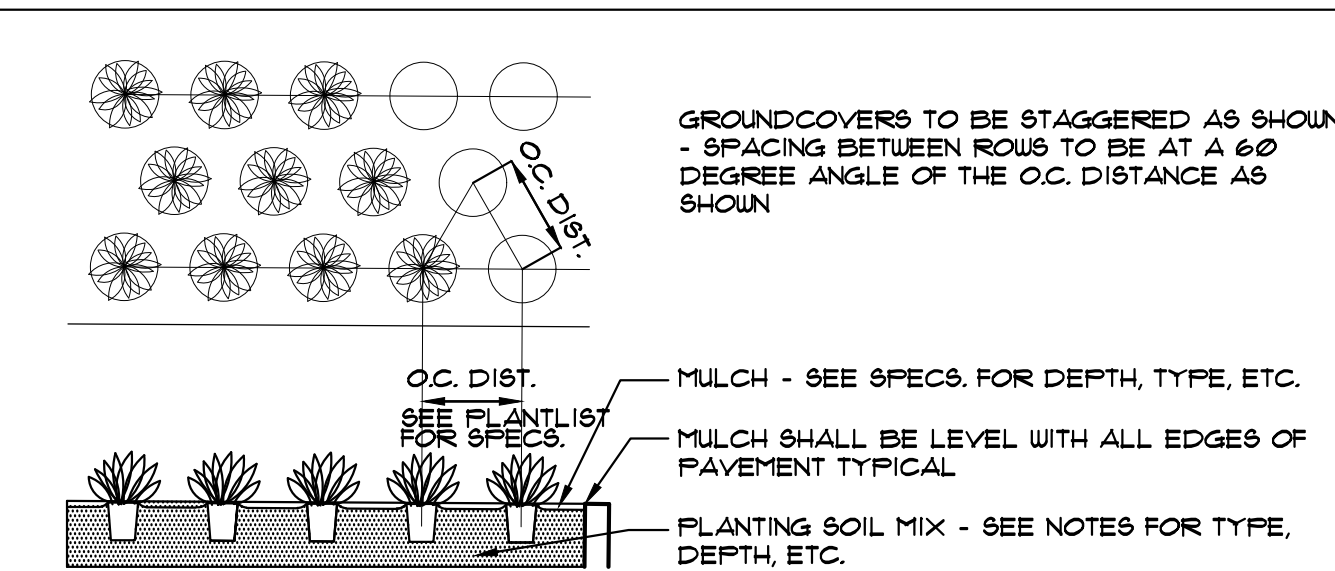
TYPICAL PLANTINGS FOR GROUND-MOUNTED EQUIPMENT

N.T.S.



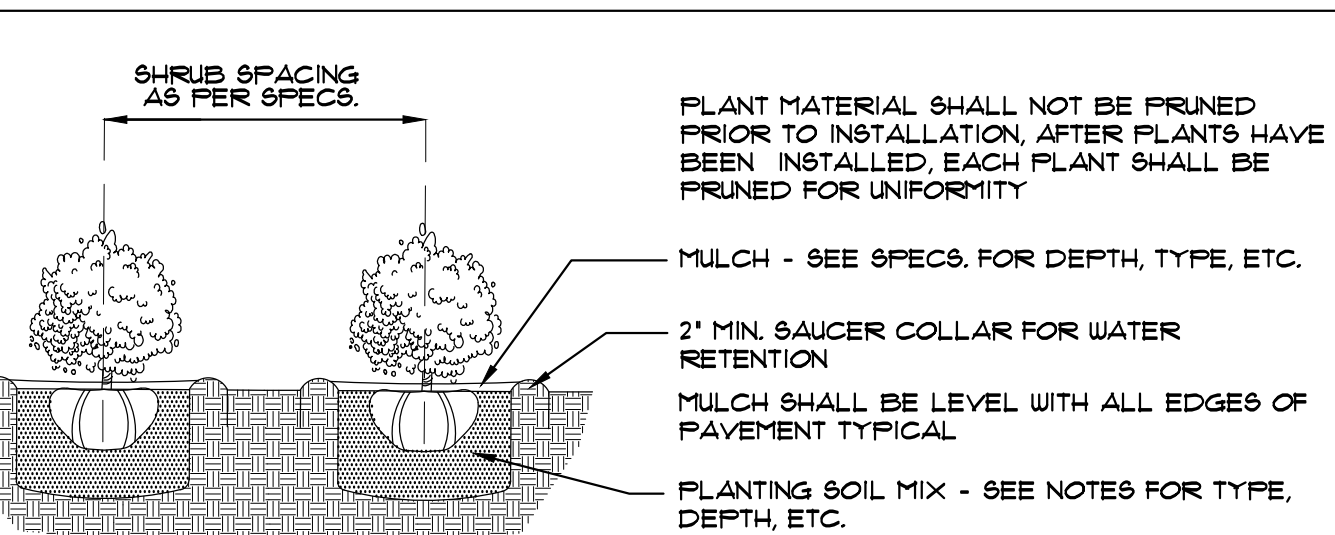
MINIMUM TREE CLEARANCE FROM LIGHT FIXTURES

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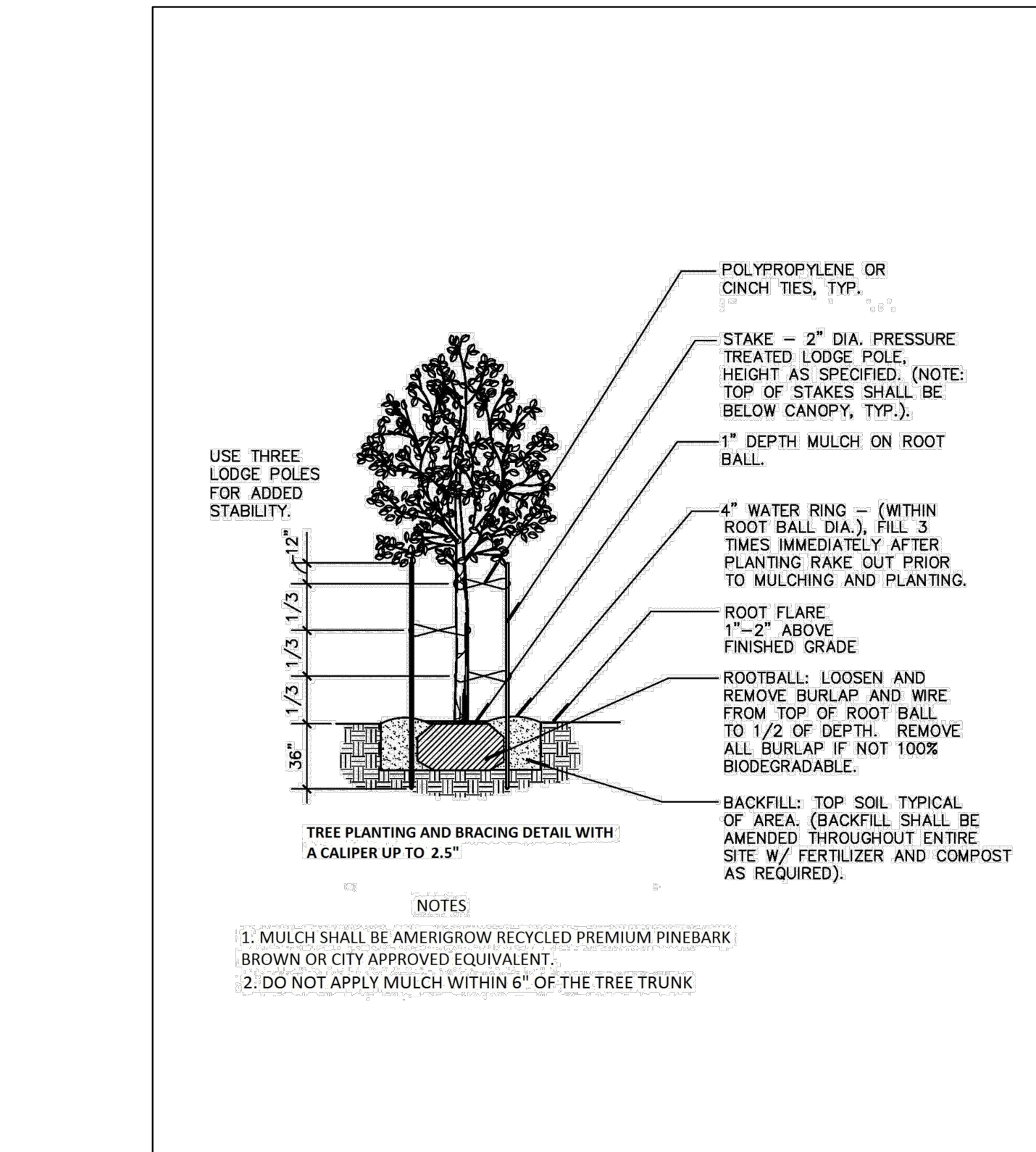
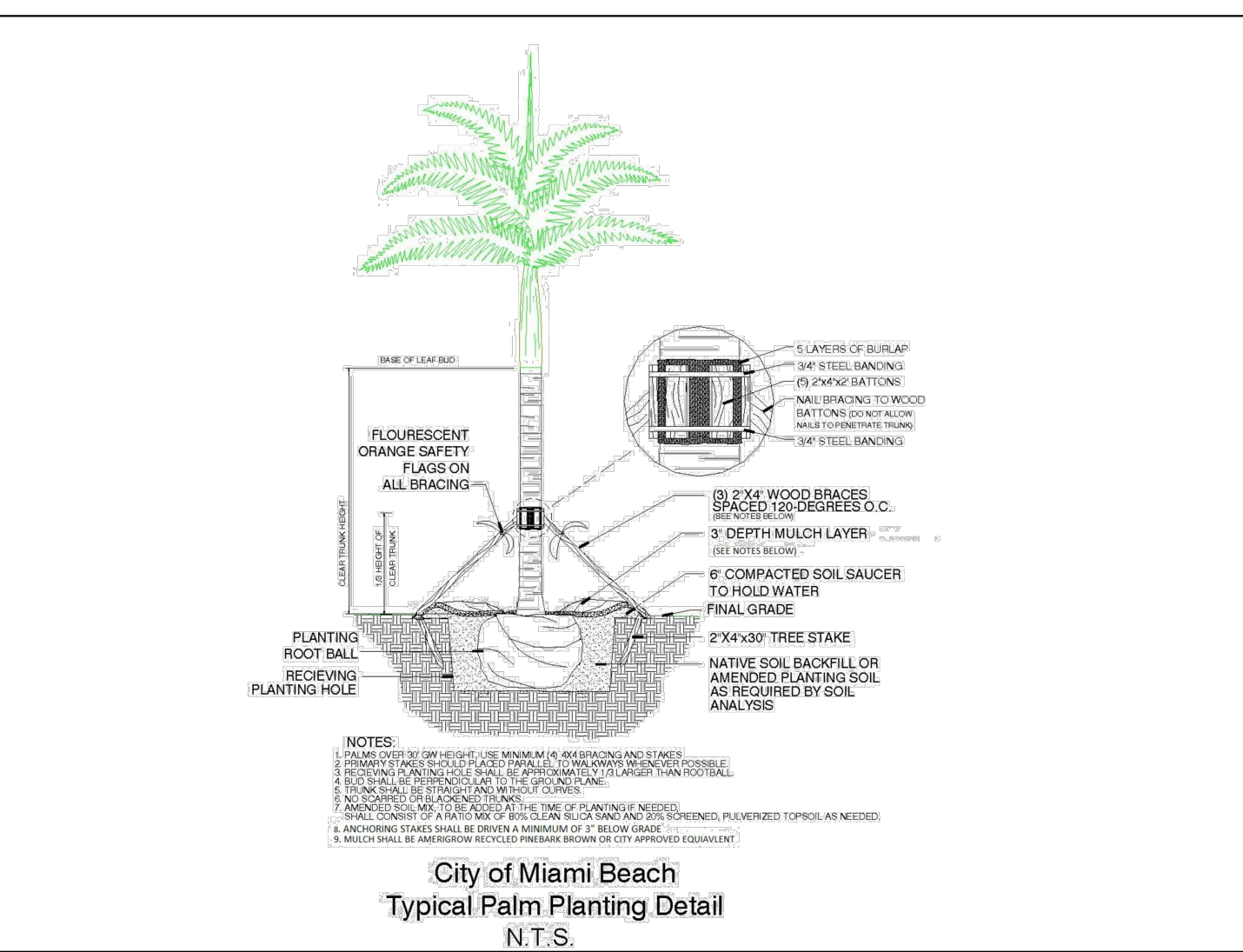
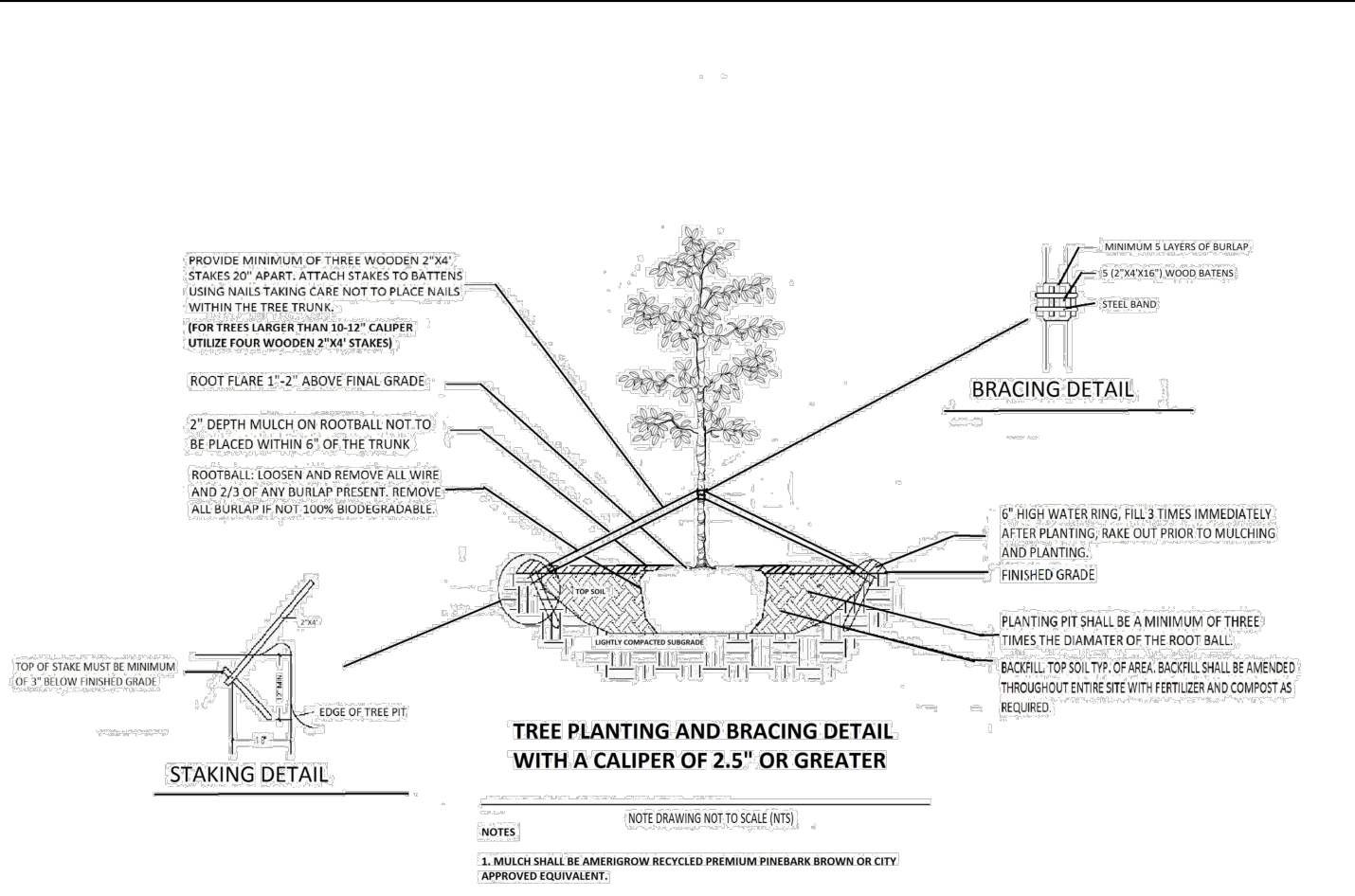
GROUNDCOVER DETAIL

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 BERMS 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 12" AND BACKFILL W/ 50:50 TOPSOIL:SAND MIX.
BUILDING FOUNDATIONS SHALL BE THE SAME DEPTH TO A WIDTH OF 36" FROM THE BUILDING BASE.

- 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.
- THE LANDSCAPE CONTRACTOR SHALL CALCULATE AND SUBMIT AN ITEMIZED PRICE FOR THE 2" APPLICATION OF 50:50 MIX FOR ALL 8'0D 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.
- 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.
- 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.

- 8'0D SHALL BE ARGENTINE 'BAHIA' OR ST. AUGUSTINE 'FLORATAM' AS SHOWN ON THE PLANS, STRONGLY ROOTED, FREE FROM WEED, FUNGUS, INSECTS AND DISEASE. CONTRACTOR SHALL 8'0D 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.
- 8'0D SHALL BE INSTALLED IN ACCORDANCE WITH THE SPECIFICATIONS AS DEFINED BY FDOT. 8'0D 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 NURSERYMEN & GROUERS 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 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.

- 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.

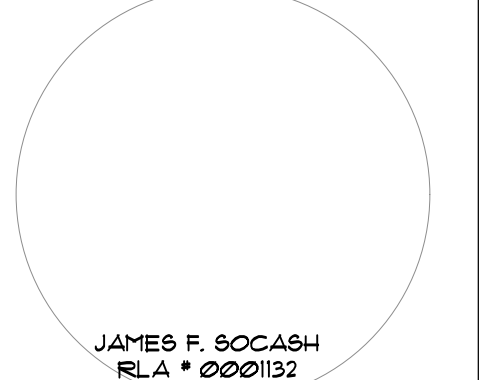
- ALL EXISTING TREES AND PALMS SHALL BE 'LIFTED AND THINNED' TO PROVIDE FOR AN 8' MINIMUM CLEARANCE FOR SIDEWALKS AND PEDESTRIAN WALKWAYS AND A 14' MINIMUM CLEARANCE FOR ROADWAYS, DRIVEWAYS, AND ALL VEHICULAR USE AREAS.

- 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, SUELES, 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.

No.	Date	Revision
1.	07/15/16	Per City Planning Staff comments.

designed: JIMMYTICO
drawn: CURRO
checked: T.Y. MORAN
approved: J. F. SOCAASH
project #: 16-58
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