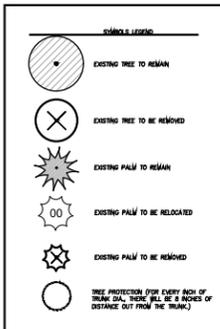


**TREE DISPOSITION PLAN**  
SCALE: 3/32" = 1'-0"



- NOTES:
1. INFORMATION ON EXISTING VEGETATION AND MITIGATION CALCULATIONS IS BASED ON ARBORIST REPORT.
  2. REFER TO SHEET L-1.0 FOR MITIGATION PROVIDED AND TREE DISPOSITION LEGEND AND PLANT LIST ON SHEET L-1.1.

**GELPI PROJECTS**

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**PROJECT**  
CHETEK RESIDENCE  
2044 ALTON ROAD  
MIAMI BEACH, FL. 33140

SHEET SIZE  
11 X 17

DATE  
02/08/21

TREE DISPOSITION PLAN  
**TD-1.0**

SEAL LA 6666869

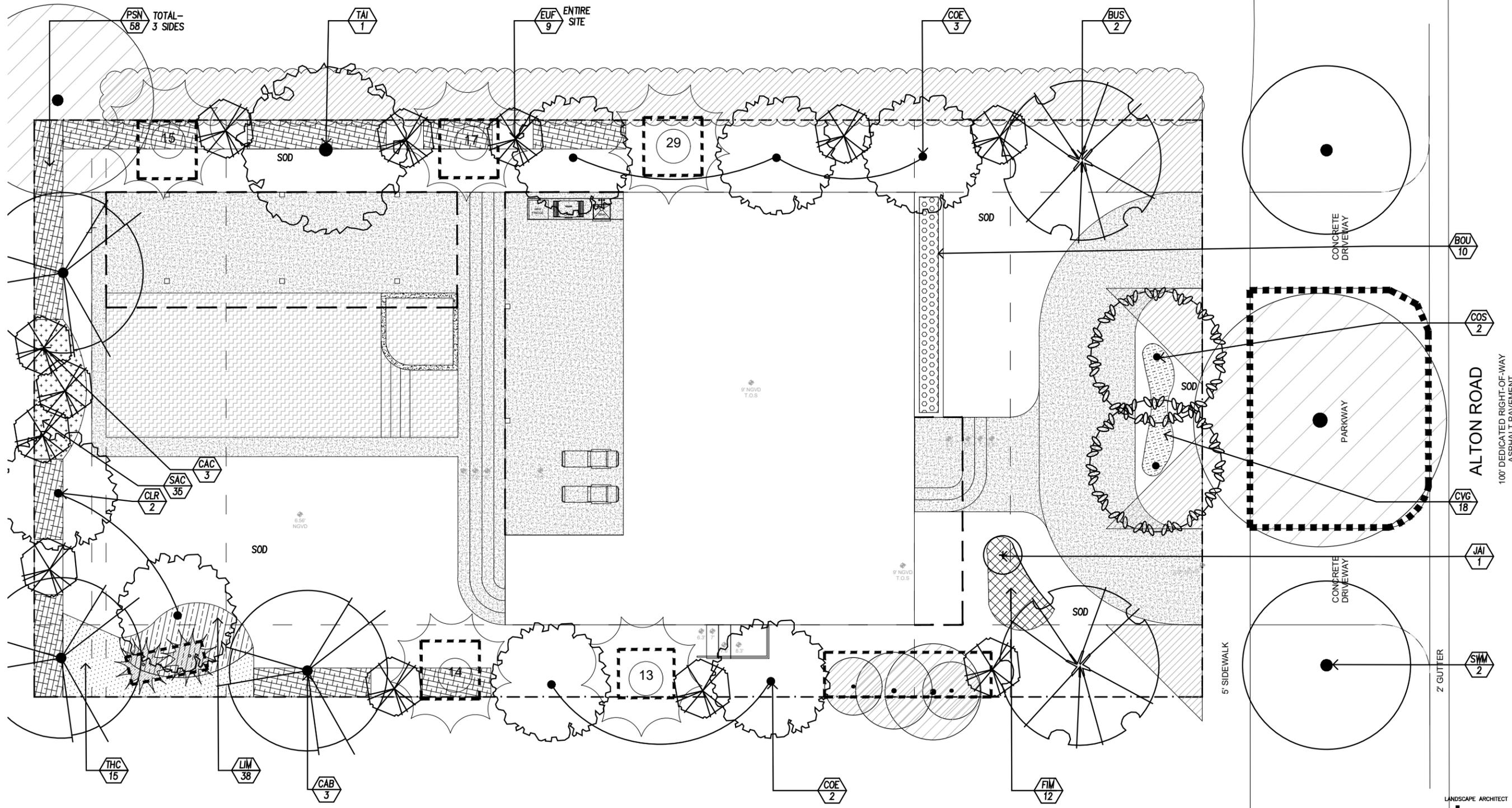
HAROLD HOYTE, RLA

LANDSCAPE ARCHITECT

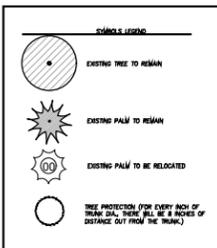
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HRFH CONSULTING  
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LANDSCAPE SUB-CONSULTANT

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JESSICA JEREZ  
9135 FONT. BLVD., #4  
MIAMI, FL 33172  
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NOT FOR CONSTRUCTION



**LANDSCAPE PLAN**  
SCALE: 3/32" = 1'-0"



NOTES:  
1. REFER TO SHEET L-1.0 FOR TREE DISPOSITION LEGEND AND PLANT LIST ON SHEET L-1.1.

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**PROJECT**  
CHETEK RESIDENCE  
2044 ALTON ROAD  
MIAMI BEACH, FL. 33140

SHEET SIZE  
11 X 17  
DATE  
02/08/21

LANDSCAPE PLAN  
**L-1.0**

SEAL LA 6666869  
  
HAROLD HOYTE, RLA

CITY OF MIAMI BEACH		
LANDSCAPE LEGEND		
INFORMATION REQUIRED TO BE PERMANENTLY AFFIXED TO PLANS		
Zoning District	RS-4	Lot Area 7,304 SF Acres .17
	REQUIRED/ ALLOWED	PROVIDED
<b>OPEN SPACE</b>		
A. Square feet of required Open Space as indicated on site plan: Lot Area = 7,304 s.f. x .50 % = 3,652 s.f.	3,652 SF	4,254 SF
B. Square feet of parking lot open space required as indicated on site plan: Number of parking spaces _____ x 10 s.f. parking space =	N/A	N/A
C. Total square feet of landscaped open space required: A+B=	3,652 SF	4,254 SF
<b>LAWN AREA CALCULATION</b>		
A. Square feet of landscaped open space required	3,652 SF	4,254 SF
B. Maximum lawn area (sod) permitted= 50 % x 4,254 SF	2,127 SF	2,098 SF
<b>TREES</b>		
A. Number of trees required per lot, less existing number of trees meeting minimum requirements= 5 trees x lot - number of existing trees=	5	5
A1. As per 126-6.c, Table A 2 trees at front yard, 3 trees in back yard		
A2. Per every 1,000 SF over 6,000 SF property, another tree will be added	2	2
B. % Natives required: Number of trees provided x 30% =	2	7
C. % Low maintenance / drought and salt tolerant required: Number of trees provided x 50%=	4	7
D. Street Trees (maximum average spacing of 20' o.c.) 60' linear feet along street divided by 20'=	3	3
E. Street tree species allowed directly beneath power lines: (maximum average spacing of 20' o.c.): _____ linear feet along street divided by 20'=	N/A	N/A
Total Trees	10	10
<b>SHRUBS</b>		
A. Number of shrubs required: Sum of lot and street trees required x 12=	120	124
B. % Native shrubs required: x 50%=	60	83
<b>LARGE SHRUBS OR SMALL TREES</b>		
A. Number of large shrubs or small trees required: Number of required shrubs x 10%=	12	12
B. % Native large shrubs or small trees required: Number of large shrubs or small trees provided x 50%=	6	12

MITIGATION INFORMATION:	
MITIGATION REQUIRED: 37" DBH + 1 PALM	
TOTAL REQUIRED= (15) TREES @ 2" DBH OR (8) TREES @ 4" DBH	
MITIGATION PROVIDED*:	
(15) TREES AT 4" DBH X 16' HT.	
NOTES:	
* CALCULATIONS ARE BASED ON TREE REPLACEMENT CHART (CHART 46-6.1)	

Total diameter of tree(s) to be removed (sum of inches at DBH)	Total number of replacement trees required (where each replacement tree is a minimum of 2" DBH x 6' spread in canopy x 12' in height)	OR	Total number of replacement trees required (where each replacement tree is a minimum of 4" DBH x 8' spread in canopy x 16' in height)	OR	Contribution to Tree Trust Fund
2"-3"	1	or	0	or	\$1,000.00
4"-6"	2	or	1	or	\$2,000.00
7"-12"	4	or	2	or	\$4,000.00
13"-18"	6	or	3	or	\$6,000.00
19"-24"	8	or	4	or	\$8,000.00
25"-30"	10	or	5	or	\$10,000.00
31"-36"	12	or	6	or	\$12,000.00
37"-42"	14	or	7	or	\$14,000.00
43"-48"	16	or	8	or	\$16,000.00
49"-60"	20	or	10	or	\$20,000.00

## LANDSCAPE LEGENDS

TREE DISPOSITION LEGEND										
TREE #	SCIENTIFIC NAME	COMMON NAME	DBH (IN)	HEIGHT (FT)	SPREAD (FT)	CRZ (FT)	Mitigation (Trees - DBH)	Mitigation (Palms - Ea.)	CONDITION	DISPOSITION
1	<i>Swietenia mahogani</i>	Mahogany	25.5	35	25	Tree box			Fair	To Remain/Public
2	<i>Swietenia mahogani</i>	Mahogany	10.6/8	30	18	N/A	18.6		Good	To Remove/Private
3	<i>Tabebuia heterophylla</i>	Pink trumpet	7.9	25	10	N/A	7.9		Good	To Remove/Private
4	<i>Swietenia mahogani</i>	Mahogany	10.4	30	12	N/A	10.4		Good	To Remove/Private
5	<i>Ravenala madagascariensis</i>	Traveler's palm	6.7/6.1/8.5	30	6	8			Good	To Remain/Private
6	<i>Ravenala madagascariensis</i>	Traveler's palm	9.5/11.5/11.2/12.45	30	10	8			Good	To Remain/Private
7	<i>Ravenala madagascariensis</i>	Traveler's palm	7.8/8.6/7.5	30	8	8			Good	To Remain/Private
8	<i>Ravenala madagascariensis</i>	Traveler's palm	6	25	6	6			Good	To Remain/Private
9	<i>Adonidia merrilli</i>	Christmas palms	8.3/7.1/6.6	16	7	N/A		1	Good	To Remain/Private
10	<i>Archontophoenix</i>	Alexander palm	3.4	17	6	3			Good	To Remain/Private
11	<i>Archontophoenix</i>	Alexander palm	3.9	19	6	3		N/A	Good	To Remain/Private
12	<i>Archontophoenix alexandrae</i>	Alexander palm	4	12	6	N/A			Good	To Remove/Private. No permit required
13	<i>Adonidia merrilli</i>	Christmas palms	6.6/8.8/4.4	14	12	6			Good	To Relocate/Private
14	<i>Adonidia merrilli</i>	Christmas palms	5.6/4.7/6.3	14	12	6			Good	To Relocate/Private
15	<i>Adonidia merrilli</i>	Christmas palms	6.9/5.9/7	14	12	6			Good	To Relocate/Private
16	<i>Persea americana</i>	Avocado	6/5.1	20	12	N/A			Fair	To Remove/Private
17	<i>Adonidia merrilli</i>	Christmas palms	6.2/6.6/7	14	12	6			Good	To Relocate/Private
18	<i>Coccoloba uvifera</i>	Sea grape	12/21/20/10	40	20	20			Good	To Remain/Neighbor
19	<i>Ravenala madagascariensis</i>	Traveler's palm	11	25	7	6			Good	To Remain/Neighbor
20	<i>Ravenala madagascariensis</i>	Traveler's palm	9.11	25	7	6			Good	To Remain/Neighbor
21	<i>Coccothrinax argentea</i>	Florida siver palm	5	16	7	6			Good	To Remain/Neighbor
22	<i>Adonidia merrilli</i>	Christmas palms	5	20	8	6			Good	To Remain/Neighbor
23	<i>Cocos nucifera</i>	Coconut palm	7	25	10	6			Good	To Remain/Neighbor
24	<i>Adonidia merrilli</i>	Christmas palms	7	20	12	6			Good	To Remain/Neighbor
25	<i>Cocos nucifera</i>	Coconut palm	11.5	35	7	6			Good	To Remain/Neighbor
26	<i>Cocos nucifera</i>	Coconut palm	12	35	7	6			Good	To Remain/Neighbor
27	<i>Coccothrinax argentea</i>	Florida siver palm	4.8	15	7	6			Good	To Remain/Neighbor
28	<i>Cocos nucifera</i>	Coconut palm	8.5	25	6	6			Poor	To Remain/Neighbor
29	<i>Adonidia merrilli</i>	Christmas palms	6.6/6.2/7	15	9	N/A			Good	To Relocate/Private
<b>TOTAL DBH FOR TREE REMOVALS</b>							37			
<b>TOTAL DBH FOR PALMS REMOVALS</b>								1		

PLANT LIST						
Label	Quantity	Scientific Name	Common Name	Specifications	Native	Salt Tolerance
<b>Trees/Palms</b>						
BUS	2	<i>Bursera simaruba</i>	Gumbo Limbo	16' Ht., 8' sp., 4" dbh, Florida #1, Standard	Yes	
CAB	3	<i>Calophyllum brasiliense</i>	Brazil beauty-leaf	16' Ht., 8' sp., 4" dbh, Florida #1, Standard		
CLR	2	<i>Clusia rosea</i>	Pitch Apple	16' Ht., 8' sp., 4" dbh, Florida #1, Standard	Yes	High
COE	5	<i>Conocarpus erectus</i>	Green Buttonwood	16' Ht., 8' sp., 4" dbh, Florida #1, Standard	Yes	High
COS	2	<i>Cordia sebestena</i>	Orange Geiger	16' Ht., 8' sp., 4" dbh, Florida #1, Standard	Yes	
TAI	1	<i>Tabebuia impetiginosa</i>	Pink trumpet tree	16' Ht., 8' sp., 4" dbh, Florida #1, Standard		
<b>Street Trees</b>						
SWM	2	<i>Swietenia mahogani</i>	Mahogany	16' Ht., 8' sp., 4" dbh, Florida #1, 4' CT	Yes	
<b>Small Trees/Large Shrubs</b>						
CAC	3	<i>Capparis cynophallophora</i>	Jamaican Caper	full, 15 Gal., 6' ht. x 4' sp., at time of planting, FLA #1	Yes	
EUF	8	<i>Eugenia foetida</i>	Spanish Stopper	full, 15 Gal., 6' ht. x 4' sp., at time of planting, FLA #1	Yes	
<b>Shrubs &amp; Groundcovers</b>						
BOU	10	<i>Bougainvillea</i> spp.	Lilac + White Bougainvillea thornles	full, 7 Gal., 24" o.c., 24" ht. at time of planting		
CVG	18	<i>Codiaeum variegatum 'Gold Dust'</i>	Gold Dust Croton	full, 7 Gal., 24" o.c., 24" ht. at time of planting, shade grown		
FIM	12	<i>Ficus microcarpa 'Green Isle'</i>	Green Island Ficus	full, 3 Gal., 18" o.c., 18" ht. at time of planting		
JAI	1	<i>Jatropha integerrima</i>	Peregrina	4' Ht., multi branch, Florida #1		
LIM	38	<i>Liriope muscari</i>	Lilyturf	full, 3 Gal., 18" o.c., 18" ht. at time of planting		
SAC	10	<i>Salvia coccinea</i>	Scarlet sage	full, 3 Gal., 18" o.c., 18" ht. at time of planting	Yes	
THC	15	<i>Thyrsacanthus callistachyus</i>	Purple Firespike	full, 7 Gal., 24" o.c., 30" ht. at time of planting	Yes	
PSN	58	<i>Psychotria nervosa</i>	Wild Coffee	full, 7 Gal., 24" o.c., 24" ht. at time of planting	Yes	
	162	TOTAL				
<b>Sod</b>						
	As Shown	<i>Stenotaphrum secundatum 'Palmetto'</i>	<i>St. Augustine 'Palmetto'</i>	solid sod		

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## REVISIONS

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## PROJECT

CHETEK RESIDENCE

2044 ALTON ROAD  
 MIAMI BEACH, FL 33140

SHEET SIZE

11 X 17

DATE

02/08/21

LANDSCAPE LEGENDS

L-1.1

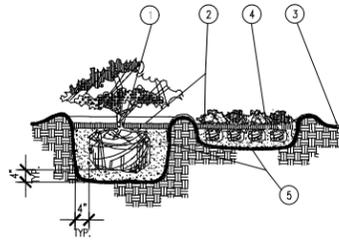
SEAL LA 666869



HAROLD HOYTE, RLA

BEST FACE OF SHRUB/  
GROUNDCOVER TO FACE  
FRONT OF PLANTING BED.  
REFER TO PLANT  
SCHEDULE FOR SPACING  
MAINTAIN 12" DEAD ZONE AT  
BED EDGE.

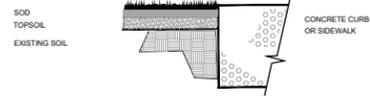
**PLAN VIEW**



- NOTES:**
1. TOP OF SHRUB ROOTBALLS TO BE PLANTED 1" - 2" HIGH WITH SOIL MOUNDING UP TO THE TOP OF ROOTBALL.
  2. 3" MINIMUM OF MULCH.
  3. FINISHED GRADE.
  4. PREPARED PLANTING SOIL.
  5. SCARIFY ROOTBALL SIDES AND BOTTOM.

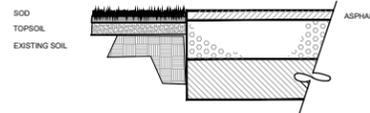
**SHRUB/GROUNDCOVER PLANTING DETAIL**

N.T.S.



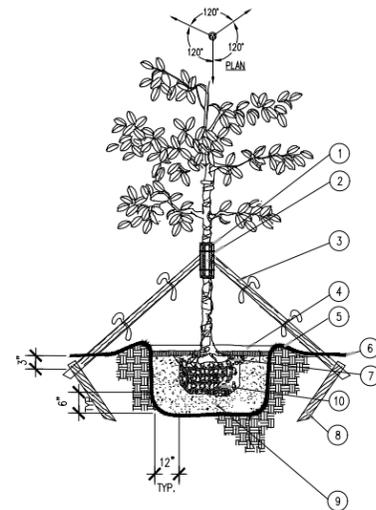
**SOD ADJACENT TO CONCRETE DETAIL**

N.T.S.



**SOD ADJACENT TO ASPHALT DETAIL**

N.T.S.

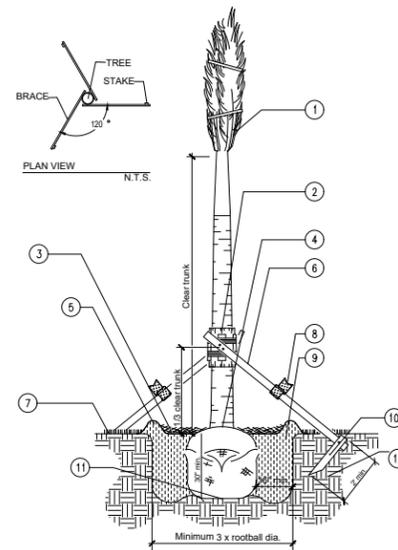


1. 5 LAYERS OF BURLAP TO PROTECT TRUNK.
2. TWO STEEL BANDS TO SECURE BATTONS. FIVE 2" X 4" X 18" WOOD BATTONS.
3. 3/2" X 8" LODGE POLES. NAIL (DRILL AND NAIL IF NECESSARY) TO BATTONS 2" X 4" STAKES. FLAG AT MIDPOINT AND AT BASE. (WITH ORANGE FLAGGING).
4. 3" MINIMUM OF MULCH.
5. SOIL BERM TO HOLD WATER.
6. FINISHED GRADE.
7. TOP OF ROOTBALL MIN. 1" ABOVE FINISHED GRADE.
8. 2" X 4" X 3" (MIN.) P.T. WOOD STAKES BURIED 3" BELOW FINISHED GRADE.
9. PREPARED PLANTING SOIL.
10. ROOTBALLS GREATER THAN 24" DIAMETER SHALL BE PLACED ON MOUND OF UNDISTURBED SOIL TO PREVENT SETTLING.

**NOTE:**  
CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.

**LARGE TREE PLANTING DETAIL**

N.T.S.



**NOTES:**

1. TIE FRONDS WITH BURLAP STRIP FOR PROTECTION OF BUD.
2. WRAP TRUNK WITH 5 LAYERS OF BURLAP. WRAP CLEAT BAND AROUND 2X4X12" LUMBER. NAIL BRACES TO LUMBER.
3. APPLY 3" OF MULCH.
4. DO NOT MULCH ON TOP OF ROOTBALL.
5. FORM 6" HIGH SOIL DAM RING AROUND TREE TO CREATE WATERING BASIN.
6. 2X4 WOOD BRACES, LENGTH VARIES.
7. FINISH GRADE.
8. PROVIDE FLUORESCENT TAPE WARNING FLAGS AT 2' O.C. ON ALL STAKES, AS SHOWN.
9. BACKFILL WITH TILED AND LOOSEND SOIL FREE OF DELETERIOUS MATERIAL FOR PLANT GROWTH. WATER AND TAMP TO REMOVE AIR POCKETS.
10. 2X4 WOOD STAKE. NAIL BRACE TO STAKE.
11. SET ROOTBALL ON UNDISTURBED SOIL.
12. UNDISTURBED EXISTING SOIL.

**PALM PLANTING DETAIL**

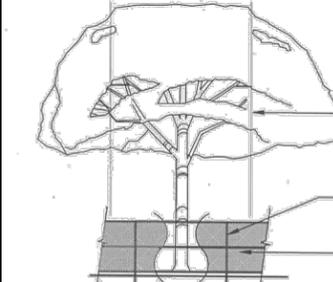
N.T.S.

**LANDSCAPE GENERAL NOTES**

1. All plants furnished by the Landscape Contractor unless otherwise specified shall be Florida No.1 or better, and shall be specified in Grades and Standards for Nursery Plants, Part 1 (3rd Ed., 1975) by the Florida Department of Agriculture and Consumer Services Division of the plant industry.
2. All shrubs, and groundcovers shall be guaranteed for 90 days from date of final acceptance. All trees and palms shall be guaranteed for six months from date of final acceptance.
3. Planting soil (with the exception for Palms) shall be weed-free, and consist of 60% clean, coarse, sharp, Lake Wales Silica Sand (alternate: Ortona or FDOT #3 coarse silica sand) and 30% Everglades muck mixed with 10% Canadian Peat.
4. All planting beds to be weed and grass free. Contractor shall apply herbicide to soil as recommended by manufacturer.
5. Landscape Contractor shall locate and verify all underground utilities prior to digging.
6. All trees and palms, and standard shrub material to be staked in a good workmanlike manner. No nail staking permitted.
7. All trees, shrubs and groundcovers shall be fertilized at installation with: Five (5) of FEC 3-24-0-#1308 as manufactured by Atlantic-Florida East Coast Fertilizer Company, Homestead, Florida or equal, and two (2) pounds FEC 15-8-8 #2500 or equal per cubic yard of planting soil.
8. All palms shall be fertilized at installation with Atlantic East Coast Fertilizer "Palm Special" or approved equal.
9. Cover all planting beds with a minimum of 3" layer of shredded Pine, Eucalyptus or Florimuch (100% shredded Melaleuca). Do not use Bald Cypress mulch.
10. Where quantities and/or species differ between the planting plan(s) and the plant list, the plan(s) shall govern.
11. No changes shall be made without the prior, written consent of the Landscape Architect and/or Owner.
12. Place and maintain protective barriers around the drip line of all trees to be retained on site. These barriers shall be easily visible and sturdily constructed. No heavy equipment or materials shall be stored within the drip line of protected trees. Any trees or palms designated to remain on-site which Miami Dade County determines to have been damaged during construction shall promptly be replaced with plants of equivalent size and value as required at no cost to Miami Dade County.
13. General Contractor shall submit photos to Landscape Architect and/or Owner for approval for all plant material 7 gallons or larger unless otherwise specified.
14. Loss or damage of branches 1" width or greater due to transport and installation are the responsibility of the GC and grounds for immediate rejection by Landscape Architect and/or Owner.

TREE / PALM PROTECTION FENCES SHALL BE CONSTRUCTED PRIOR TO ANY CONSTRUCTION ACTIVITY INCLUDING GRUBBING FOR ALL TREES / PALMS THAT ARE TO REMAIN, BE PROTECTED, OR BE RELOCATED

NO ACTIVITY OR DISTURBANCE SHOULD OCCUR WITHIN THE FENCED AREAS, INCLUDING VEHICLE USE, STORAGE OF MATERIALS, DUMPING OF LIQUIDS OR MATERIALS, GRADE CHANGES, GRUBBING, AND MECHANICAL TRENCHING FOR IRRIGATION, ELECTRICAL, LIGHTING, ETC.



In no case shall the fence be installed less than ten feet from the trunk

Tree + Palm protection barriers to extend beyond the 'dripline' or to the 'critical root zone area' of all trees/palms to be protected. Extend where necessary to protect tree canopy roots

Barriers shall be a minimum of four feet high, and shall be constructed of continuous chain link fence with metal posts at eight-foot spacing, or of two-by-four-inch posts with three equally spaced two-by-four-inch rails. Posts may be shifted to avoid roots.

**PROTECTION DETAIL NOTE**

CONTRACTOR TO INSTALL 'TREE / PALM PROTECTION FENCE BARRIERS' AROUND ALL EXISTING TREES OR PALMS AT THE START OF THE PROJECT. BARRIERS TO REMAIN IN PLACE THROUGHOUT THE DURATION OF THE PROJECT AND SHOULD NOT BE REMOVED OR DROPPED FOR ANY REASON WITHOUT AUTHORIZATION FROM THE CITY OF MIAMI BEACH URBAN FORESTER + PLANNING + ZONING DEPARTMENT

**C.M.B. TREE / PALM PROTEC. DETAIL**

LANDSCAPE ARCHITECT



LANDSCAPE SUB-CONSULTANT



NOT FOR CONSTRUCTION

**GELPI PROJECTS**



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PLANTING DETAILS & NOTES

L-1.2

SEAL LA 6666869



HAROLD HOYTE, RLA

**PLANTING DETAILS & NOTES**