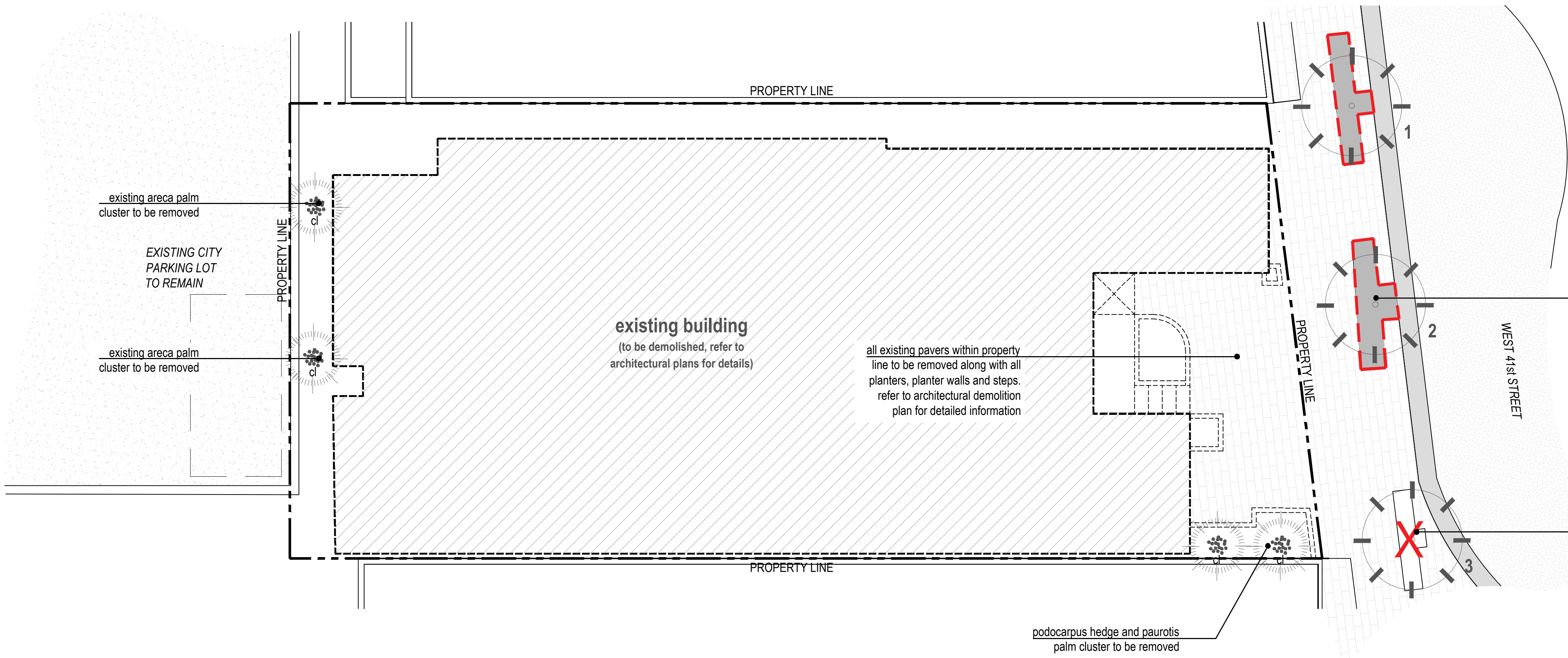


#	SCIENTIFIC NAME	COMMON NAME	HT'	SP'	DBH"	CONDITION
1	Roystonea regia	royal palm	30	12	14	good
2	Roystonea regia	royal palm	30	12	14	good
3	Roystonea regia	royal palm	30	0	14	dead



existing palm

existing tree

existing cluster planting (no mitigation required)

tree / palm to be demolished

tree protection fencing

no work shall be performed within the red dashed line or grey shaded area that constitutes digging of any kind without a licensed arborist and city of miami beach approval. all work that is known to create such disturbances within these areas shall be notified on the architectural plans and submitted for review. refer to sheet L2 for tree protection notes and details

note: existing conditions plan provided by architect. refer to architect's existing conditions / demolition plan for additional details.
existing trees as noted from site visit.

refer to proposed planting plan L1 for mitigation plan



podocarpus / paurotis palm cluster



areca palm clusters (2)

EXISTING CONDITIONS, TREE DIPOSITION AND TREE PROTECTION LAYOUT

DRAWINGS BY:



LANDSCAPE ARCHITECT:

The Patrick Hodges Land Studio
Patrick K. Hodges
PO Box 611052, Rosemary Beach, FL 32461
850.528.1925 Florida License No. LA0000850
patrick@phlandstudio.com

LANDSCAPE DESIGNER:

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c.rightstudios@gmail.com

ARCHITECT:

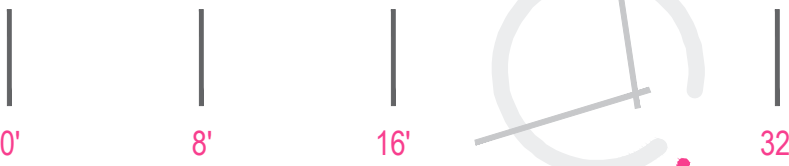
3Design Architecture Inc.
Tony Leon
3260 NW 7 St.
Miami, FL 33125
305.438.9377 -office
@3design_architecture -instagram
www.3designonline.com

PROJECT NAME AND ADDRESS:

New Vanilla Shell - 456 W 41st Street

456 W 41st Street, Miami Beach, FL 33140

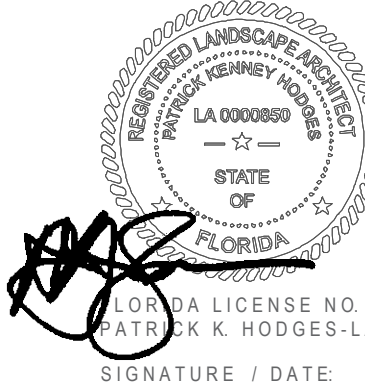
DRAWING SCALE AND NORTH ARROW:



SCALE: 1" = 8'-0"

NORTH

L.A. SEAL:



SHEET No:

DRAWING REVISIONS:
No. # DATE ISSUED FOR
00 XXXXXXXX XXXXX

L0

DESIGNED BY:
DRAWN BY:
REVIEWED BY:
DRAWING DATE:

CRS
CRS
PKH
09.06.2022

PLANT SCHEDULE

TREES and PALMS			
QTY	SYM	Botanical Name	Common Name
1	RR	Roystonea regia	Royal Palm
SHRUBS			
QTY	SYM	Botanical Name	Common Name
28	CI	Chrysobalanus icaco 'Horizontal'	Horizontal Cocoplum
10	ZP	Zamia Pumila	Coontie

NOTES: the landscape plan provided for this project has been prepared to maximize the landscape opportunities given the proposed architectural plans provided. It's understood that this plan does not currently meet the minimum code requirements and has been requested for submission as such by owner / client.

proposed shrubs within tree protection areas shall be hand dug, if roots are encountered, stop digging immediately and contact landscape architect immediately to asses relocation of proposed or if the instance requires an arborist review.

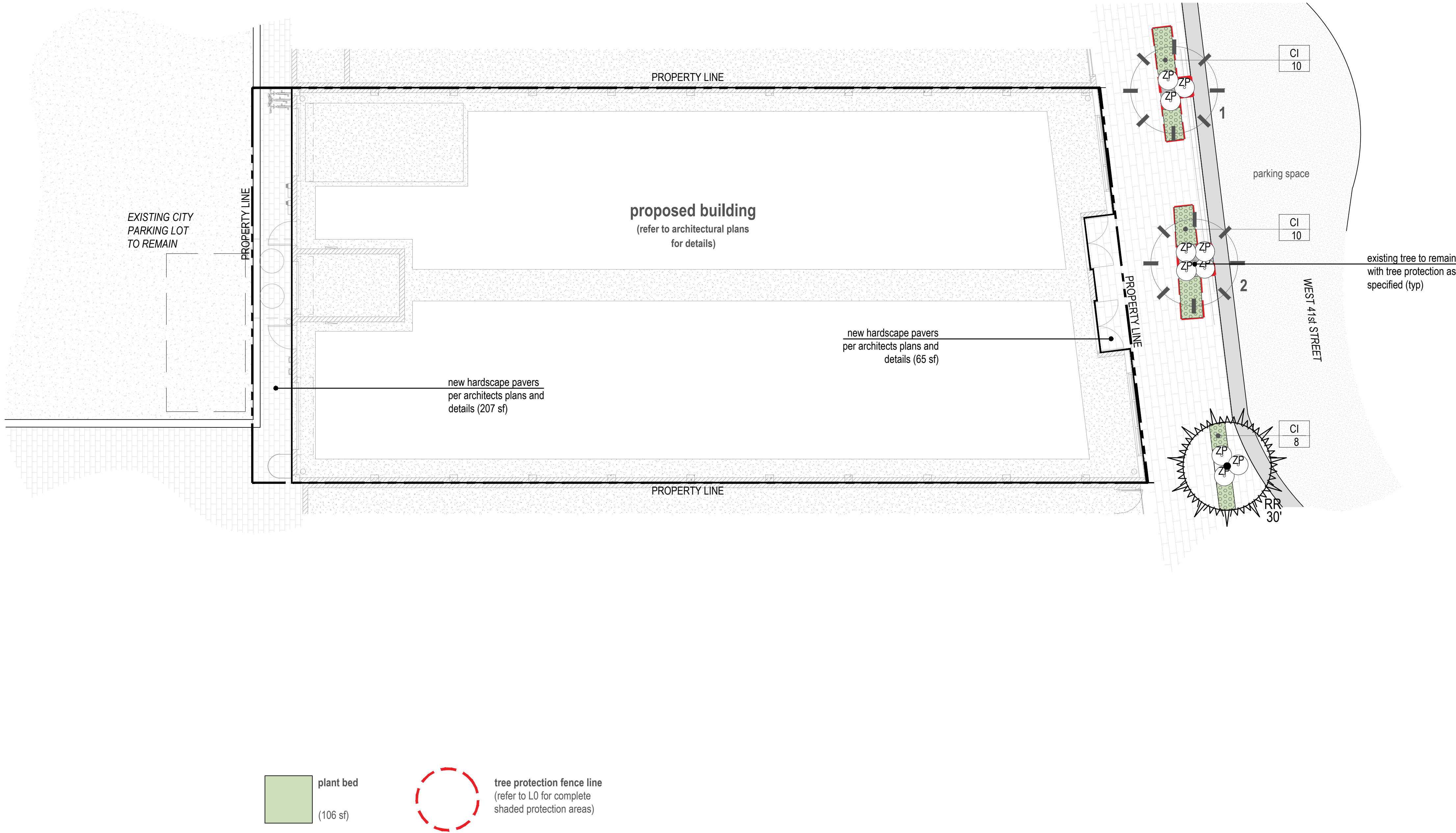
refer to L2 for plant specification, notes and details.

LANDSCAPE LEGEND

CITY OF MIAMI BEACH		
INFORMATION REQUIRED TO BE PERMANENTLY AFFIXED TO PLANS		
Zoning District	CD-3	Lot Area 5,517.5 SF
Acres		.13
OPEN SPACE		
A. Square feet of required Open Space as indicated on site plan:	REQUIRED/ ALLOWED	PROVIDED
Lot Area = 5,517.5 s.f. x .20 % = 1,103.5 s.f.	1,103.5 SF	0 SF
B. Square feet of parking lot open space required as indicated on site plan:		
Number of parking spaces N/A x 10 s.f. parking space =	N/A	N/A
C. Total square feet of landscaped open space required: A+B=	1,103.5 SF	0 SF
LAWN AREA CALCULATION		
A. Square feet of landscaped open space required	5,164.5 SF	5,164.5 SF
B. Maximum lawn area (sod) permitted= 20% x 5,517.5 s.f.	1,103.5 SF	0 SF
TREES		
A. Number of trees required per lot or net lot acre, less existing number of trees meeting minimum requirements= 22 - trees x .13 net lot acres - number of existing trees=	3	0
B. % Natives required: Number of trees provided x 30% =	1	0
C. % Low maintenance / drought and salt tolerant required: Number of trees provided x 50%=	1	0
D. Street Trees (maximum average spacing of 20' o.c.) 50 linear feet along street divided by 20'=	3	3 (existing)
E. Street tree species allowed directly beneath power lines: (maximum average spacing of 20' o.c.): 50 linear feet along street divided by 20'=	3	3 (existing)
SHRUBS		
A. Number of shrubs required: Sum of lot and street trees required x 12=	36	38 (in r.o.w.)
B. % Native shrubs required: Number of shrubs provided x 50%=	18	38 (in r.o.w.)
LARGE SHRUBS OR SMALL TREES		
A. Number of large shrubs or small trees required: Number of required shrubs x 10%=	4	0
B. % Native large shrubs or small trees required: Number of large shrubs or small trees provided x 50%=	2	0

LANDSCAPE SITE CALCULATIONS:

total site	5,517.5 sf
total landscape area	0 sf 0%
pervious landscape area	0 sf 0%
non-pervious surface	5,517.5 sf 100%



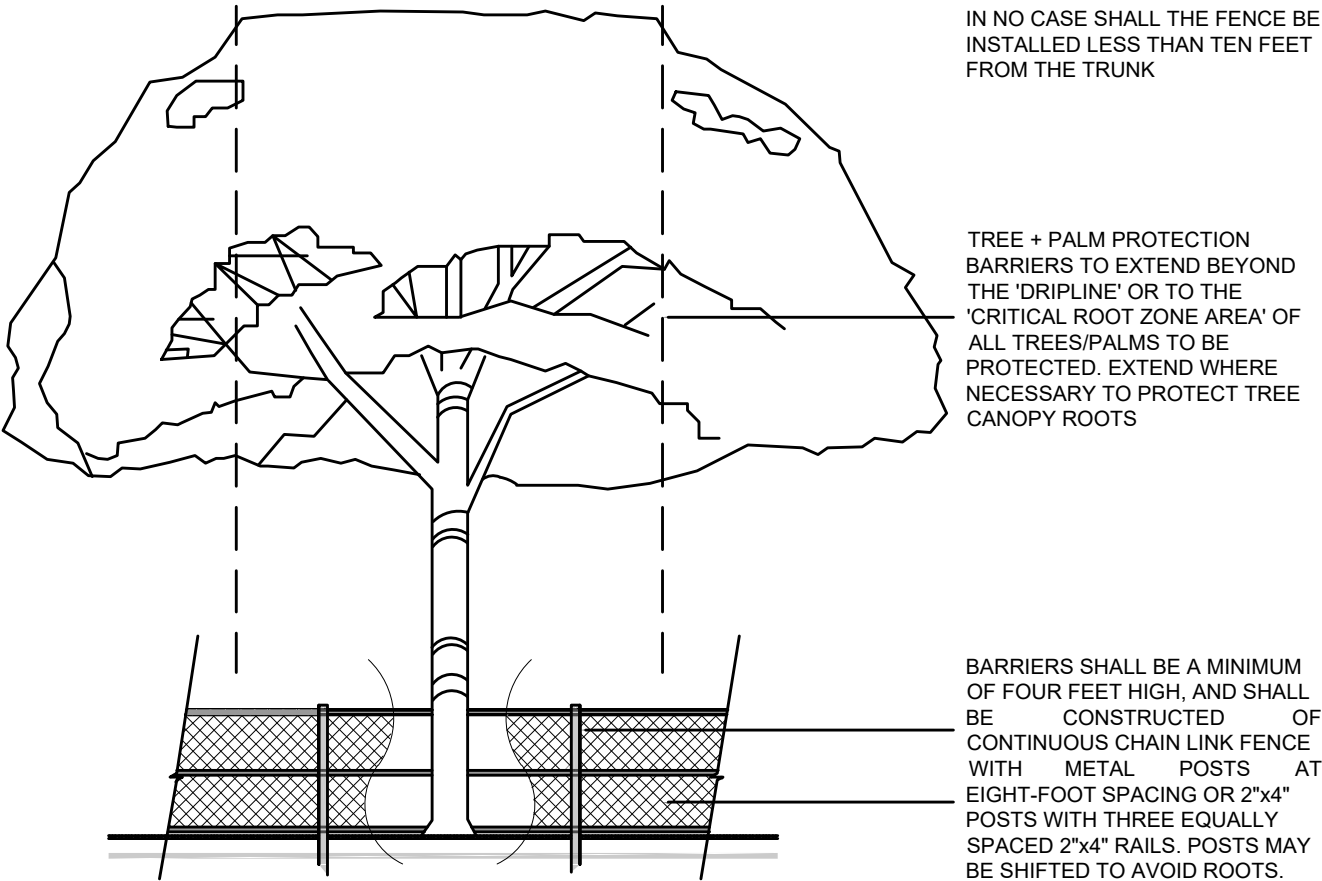
PLANTING PLAN

TREE PROTECTION REQUIREMENTS:

Protective barriers: Placement. Protective barriers shall be placed at the drip line of each tree (as shown in plan), cluster of trees, or preservation area, and in no case less than ten feet from the trunk of any protected tree, tree cluster or preservation area. In situations where trees have been transplanted to the project site, the protective fencing shall be placed no closer to the tree than a point one to two feet outside the root ball, or at the drip line, whichever is greater. The fenced tree protection zones shall be extended where necessary to protect tree canopies roots. If trees are to be preserved in place and root pruning is required to accommodate new construction, the root pruning locations shall be identified and approved by the environment and sustainability department, and fencing shall be installed one to two feet beyond the edge of the root ball. The installation of the fencing shall be coordinated with any phased root pruning that must occur. **Tree maintenance measures:** must be defined in the general notes of the approved construction plans or a report from an ISA Certified Arborist and or ASCA Registered Consulting Arborist prior to any root pruning or transplanting.(ii)Timing and duration. All protective barriers shall be installed prior to the start of any construction or site development, including tree removal, demolition or land-clearing activities, and shall remain in place throughout all phases of construction. Protective barriers shall be maintained in place until development is completed, and shall not be removed until the environment and sustainability department inspects the site and authorizes their removal. **Barrier specifications:** Sturdy temporary barriers shall be installed around all tree protection zones. 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.(b)Activities within tree protection zones enclosed by protective barriers.(i) Understory plants within areas surrounded by protective barriers shall be protected.(ii)No oil, fill, equipment, building materials, building debris, or any other material shall be placed within the areas surrounded by protective barriers.(iii)No disposal of any waste material such as paints, oils, solvents, asphalt, concrete, mortar, or any other material shall occur within the areas surrounded by protective barriers.(iv)Natural grade shall be maintained on areas surrounded by protective barriers. In the event that the natural grade of the site is changed as a result of site development such that the safety of the tree may be endangered, tree wells or retaining walls are required.(v)Only hand digging and grading activities will be permitted within the tree protection zone. All surrounding areas must be graded to a point that meets the outside of the tree protection zone.(vi)Underground utility lines, including, but not limited to, irrigation, plumbing, electrical, or telecommunication lines, shall be placed outside the areas enclosed by protective barriers. If such placement is not possible, disturbance and root damage shall be minimized by using techniques such as tunneling, hand digging, excavation with an air spade, or the use of overhead utility lines.(vii)No vehicles or equipment shall be permitted within areas surrounded by protective barriers.(c)Construction of fences, walkways and walls. Fences, walkways and walls shall be constructed to avoid disturbance to any tree to remain in place onsite in the vicinity of construction activities. Post holes and trenches located close to trees shall be dug by hand and adjusted as necessary, using techniques to avoid damage to major roots system.(d)Attachments prohibited. No attachments, signs, chains, ropes, or wires other than those of a protective or non-damaging nature shall be attached to any trees on publicly owned or controlled property, in general, or during any proposed site development or construction.(3)Root cutting. The cutting of roots with a diameter of two inches or larger is prohibited, unless there is no feasible alternative, as determined by the environment and sustainability director or his/her designee. The city may require that construction activities, such as trench lines and walkway construction, be redirected away from tree root zones. Root cutting shall be done according to approved techniques as outlined herein:(a)Trees shall be evaluated by the environment and sustainability director to determine whether the root cutting will destabilize the tree or cause unacceptable damage to the tree.(b)Root cuts shall be made, at minimum, a distance from the trunk equivalent to three times the tree's trunk diameter at four and one-half feet above ground unless unavoidable because of sidewalks, pavement, or other infrastructure. Root cuts must be made at a distance from the trunk equivalent to five times the tree's DBH or greater in all other circumstances.(c)Roots may not be torn off with power equipment, and cut roots shall not be left with ripped, ragged or shredded ends. Roots must be cleanly severed with sharp hand tools or power root saws.(d)When tunneling or otherwise avoiding roots is not possible, the trench shall be carefully excavated by hand or machine and, when a root with a diameter of two inches or greater is encountered, a final clean cut shall be made with a saw. The cut shall be made flush with the side of the trench closest to the tree. The root pruning trench shall be backfilled with soil.(e)When adjacent to new curbing, uncurbed paved areas, or areas of grade changes, roots shall be cut no more than 18 inches towards the tree from the back of the curb, the edge of the pavement, or the point of intersection of old and new grades, respectively. After root pruning, no excavation for the installation of forms or for any other reason may be performed any closer than six inches outside of the root pruning cut. The root pruning trench shall be backfilled with soil.

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.



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

IRRIGATION REQUIREMENTS:

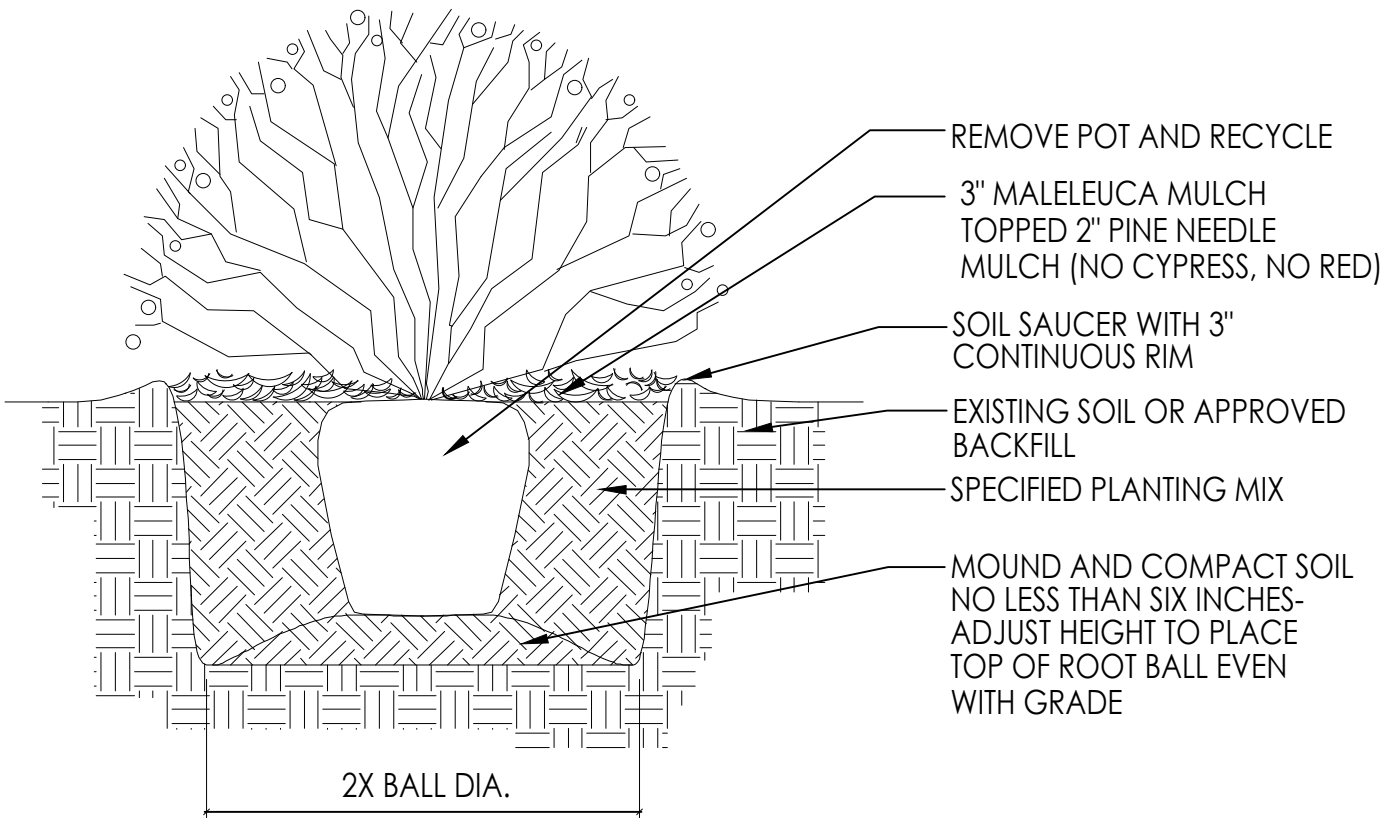
The contractor shall insure existing automatic underground irrigation system and provide an as built with shop drawing improvements to meet the following criteria:

A minimum of two bubblers or drip emitters at each new tree and palm location and with sprayheads to ensure 100% coverage of all planting bed areas and rotors for complete coverage of all sodded lawn areas within the limits of work for this project (refer to plan provided by landscape architect).

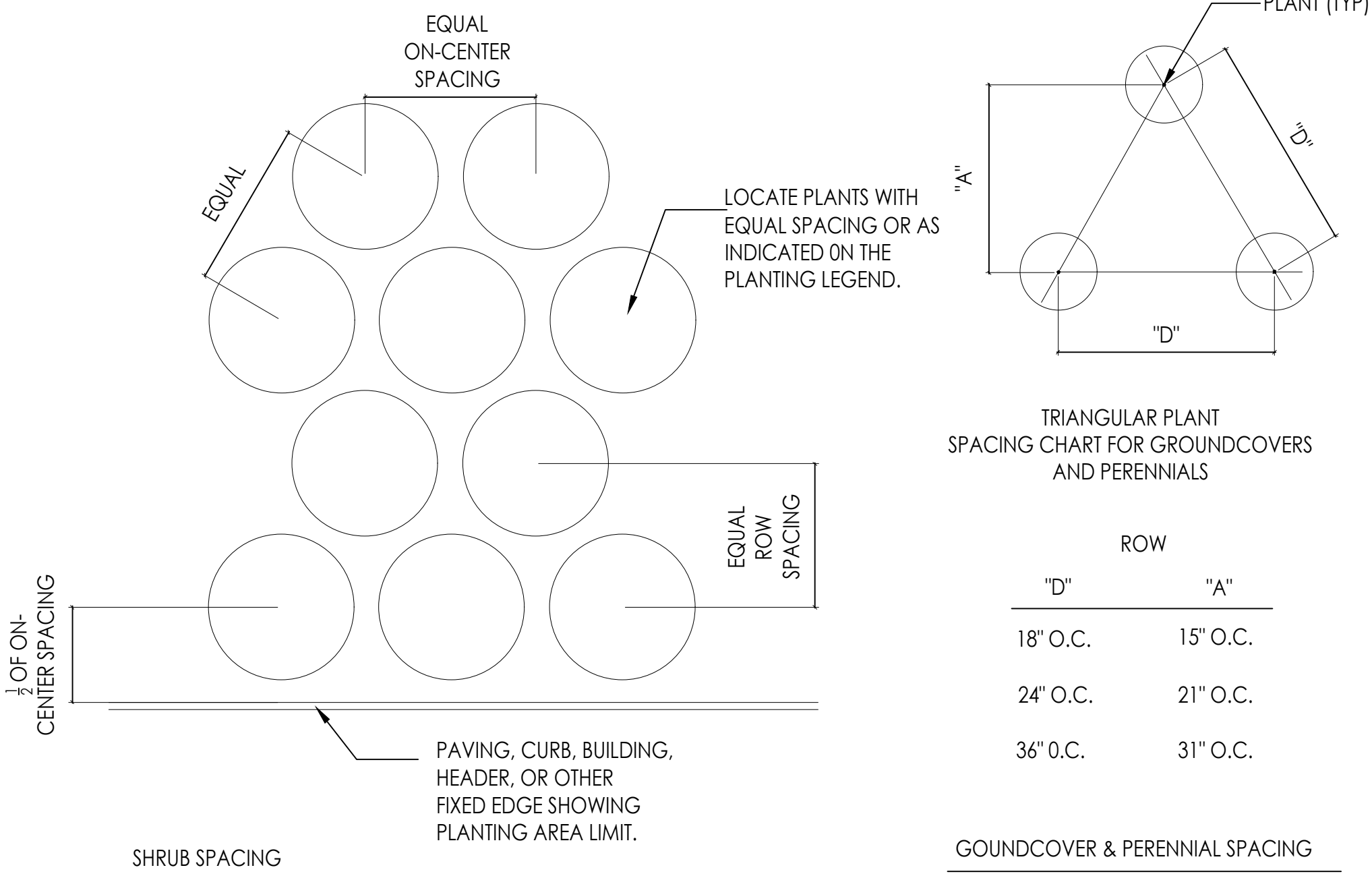
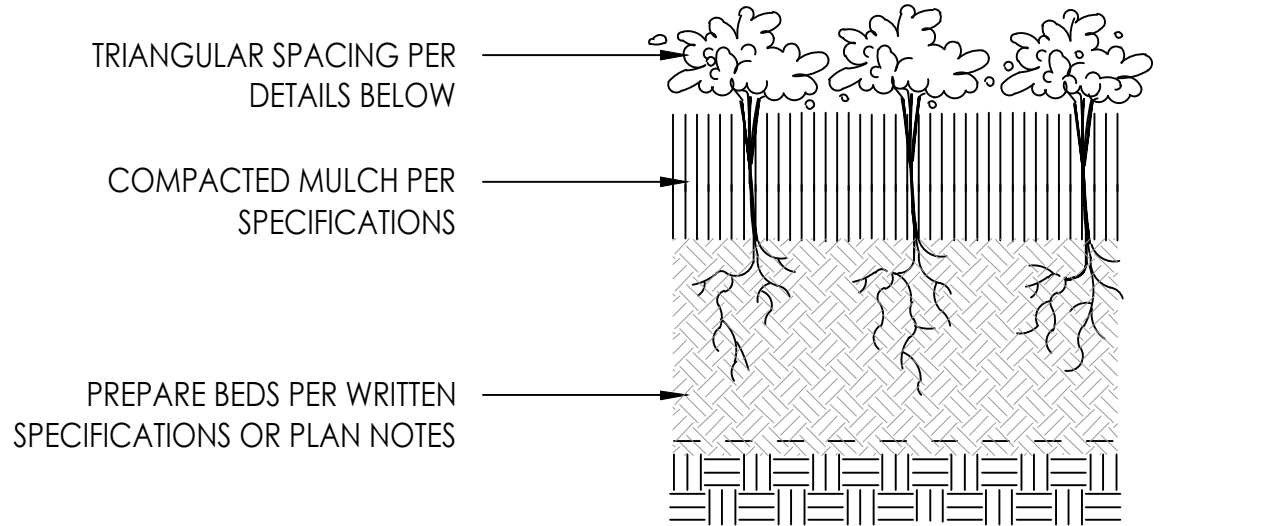
the contractor shall submit shop drawings of the irrigation system for review and approval by the landscape architect and owner prior to the award of the landscape and irrigation contract.

the shop drawings for the irrigation system shall include a backflow preventer, lightning protection, a "smart" controller, moisture-sensing devices, piping, heads, valves and all other equipment required by local codes and as necessary for a complete working system.

the contractor shall provide an operations manual to the owner and landscape architect prior to completion of the irrigation system installation and shall demonstrate and instruct the owner's maintenance provider in the complete operation of the system.



A SHRUB PLANTING DETAIL
SCALE: n/a



B GROUNDCOVER PLANTING DETAILS
SCALE: n/a

PLANTING SCHEDULE

TREES and PALMS					
QTY	SYM	Botanical Name	Common Name		Specifications
1	RR	Roystonea regia	Royal Palm		14" cal, 30' ht. x 10'-12'sp
SHRUBS					
QTY	SYM	Botanical Name	Common Name	Native Y/N	Specification
28	CI	Chrysobalanus icaco 'Horizontal'	Horizontal Cocoplum	Y	3 gal, 12'x 12" full
10	ZP	Zamia Pumila	Coontie	Y	7 gal, 30" ht x 30" sp

GENERAL NOTES AND REQUIREMENTS:

- The contractor is responsible for obtaining any permits or approvals from the federal, state or local government required for the work included in this contract and on these drawings.
- Locate all underground utilities, electrical wiring, water, sewer, telephone, cable tv, etc., prior to landscape or irrigation installation
- Stake out all tree & large shrub locations for LA and owner review and approval prior to excavation or planting. Plan locations are subject to field adjustment by the LA.
- The contractor shall install / renovate existing irrigation system as needed to provide a complete working system and as required to ensure 100% coverage of all new planting and sodded lawn areas. See irrigation plan by the landscape architect.
- Install only plants graded florida no.1 or better as set forth in the florida department of agriculture 'grades and standards for nursery plants" second edition feb. 1998 including revisions and which meet or exceed the sizes indicated in the planting schedule and details.
- Plant shrubs in circular pits with a diameter 16" greater than rootball or container. Plant trees in circular pits with a diameter 36" greater than rootball or container. Place plants with best "face" forward.
- Fertilize all trees with agriform 21 gram tablets, slow-release 20-10-5 analysis with one tablet per 1/2" of trunk diameter.
- Backfill all planting pits with the following mixture : 1/2 onsite soil, 1/2 clean friable topsoil. Submit topsoil sample and soil test analysis for approval by landscape architect, (see planting details). Remove excess soil excavated from plant pit from the site or distribute on-site as directed by I.a.
- Apply "diehard transplant" mycorrhizal inoculant and 100% organic starter fertilizer to each new tree planted and shrub/groundcover beds in accordance with the manufacturer's recommendations i.e. 8 oz. Per 2" caliper, 3 lbs/100 s.f. area, etc... Contact horticultural alliance, inc. Sarasota, fl. 34277 800-628-6373
- Fertilize all planting beds with osmocote 14-14-14 slow-release fertilizer at the rate of 16 pounds per 1,000 square feet. Furnish receipts for material used.
- Treat all planting beds with pre-emergent and post-emergent herbicides according to the manufacturer's specifications. Submit receipts for materials used.
- Mulch planting beds to a minimum 2 1/2" compacted thickness with pine straw, free of weeds.
- Contractor shall verify all plant quantities based on the quantities in place as indicated on the plans and provide composite unit prices for each plant including all costs for materials and installation; i.e., labor, mulch, fertilizer, watering, staking, herbicides, mowing, weeding, site preparation, etc.
- Fertilize palms with palm gain 8-2-12 formula as manufactured by bgi www.bgi-usa.com per manufacturer recommended rate.
- Notify the owner and landscape architect of any unforeseen conditions, i.e., compacted soil / subgrade, poor drainage, unconsolidated soil, erosion, utility conflicts, excessive sun or shade, etc., prior to proceeding with landscape installation.
- Guarantee all plants for one year.
- All plants, materials and workmanship are subject to the approval of the landscape architect and owner.
- Do not make substitutions or revisions, any revision or modifications to the landscape plan must have prior approval by the landscape architect & owner
- Maintain all planting including watering, mowing, mulching, weed, pest control, etc. Until final acceptance by the owner.

PLANTING SCHEDULE NOTES AND DETAILS