





5011 PINE TREE DRIVE Miami Beach, Florida

South Miami, FL 33143 LC26000540

PLANTING DETAILS

<u>2</u> Description Date Project number Checked by Drawn by 05-11-2020 200004

Esperanza Kelly Florida Landscape Architect LA6667109

LANDSCAPE SPECIFICATIONS

structures for pest control measures.

- GENERAL
- responsibilities and obligations thereunder. In the event of 1.01 The Contractor is reminded that the General latter shall prevail. specifications and the following 'Scope of Work', the made fully aware of these documents and of their undertaking to perform work under this Section shall be whether attached hereto or not. govern the work of this section of the Specifications Conditions and / or Special Conditions of this contract discrepancies between the drawings and Subcontractors
- SCOPE OF WORK
- 2.01 The work of this Section shall include all labor, accordance with these Specifications and the Contract necessary for the complete performance of all materials, equipment, appliances, and accessories constitute the work of this Section: the foregoing, the items listed below, and similar excavation, grading, planting and Drawing. Without the Contract Drawings shall restricting the generality of backfill work in

common name of the plant.

- Finish grading and final site preparation of all areas
- Furnishing and incorporating fertilizer and other soil
- Furnishing plant materials and grass materials and
- miscellaneous items to complete the work. Furnishing and placing 'Planting Mixture' and other

specifies 'specimen'.

Florida Fancy material shall be provided where plant list and shall be free of disease and insect pests, eggs or larvae. and vigorous, well-branched and densely foliated when in otherwise indicated and all plants shall be sound, healthy

leaf. They shall have healthy, well developed root systems

exceed the size and quality standards of the American

Association of Nurserymen, latest addition, unless

Replacement of unsatisfactory plant material.

of the plant to the root crown, not to include the immediate terminal growth. Their width shall be measured

the height and spread, and shall be measured from the top

The determining measurements for trees shall be

liable for their repair, if damaged.

utilities or other sub-surface obstructions, and shall be held plantings shall take care not to damage underground planting soil mix. The Contractor, in excavation for existing excavated material in 50% / 50% ratio with new material may be used to backfill to the proper level. Mix

has been excavated from the plant hole, the excavated twice the diameter of the root ball. Where excess material

across the normal spread of the branches. Both

measurements shall be made with the plants in their

normal position.

- Clean-up.
- SUSTAINABLE SITES SITE PREPARATION and SITE SITEWARDSHIP FOR
- 3.01 The Contractor shall provide finish grading and final 6" of finish grade. This will require raking and be responsible for finish clogs and / or debris. The Landscape Contractor shall pulverizing of all areas in order to preparation of all areas to be landscaped grading, which is the crumble dirt to within

increased proportionately.

burlapped plants may be substituted in lieu thereof. Plants

Container grown same quality as balled and

approved, the ball of earth or spread of roots shall be cost to the Owner. If the use of the larger plants is

with approval of the Landscape Architect at no additional

Plants larger in size than those specified may be used

- preventative measures for erosion controls during The Contractor must perform the following
- Stockpile and Protect disturbed Topsoil from erosion.
- Control the path and velocity of runoff with silt fencing

removed prior to planting, with care as not to injure the shall be kept moist until planted. The container must be containers shall be watered prior to transportation and containers in a shady location until planted. Plants in grow in containers shall be delivered and remain in the

Sod: Solid sod shall be as indicated on the drawings.

Grass materials shall consist of the following:

1 1/2 inches. Sod containing nutgrass, lippia water

lifting. Lifts shall have a uniform thickness of 1 inch to weeds. Mow to a height not to exceed 1 1/2" before Sod must be strongly rooted and free of pernicious

- bales or silt fencing. Protect sewer inlets, streams, and lakes with straw
- Provide swales to divert surface water from hillsides, etc. on sloped areas. use tiers, erosion blankets, compost blankets,
- developed, Contractor must enforce Tree / Plant Construction tape or Fencing. When site is previously 'No Disturbance Zones' quarantined by protection Plan and use Hay bales, silt fencing, etc. for site where site is not previously developed by following tree / plant protection plan and enforcing Contractor must minimize disturbed area of

the following standards:

Materials used to install the job shall meet or exceed

species (if applicable), will not be accepted. sedge, dollar weed, or other common turfweed

All Landscaping must be 24" from finish wall of

planters or areas with poor drainage.

Inland Glades Muck. 70% sand / 30% muck shall be used in backfilling around trees shall be: 60%coarse sand / 40%

Planting mix to be used for 4" soil blankets and

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- analysis and name of manufacturer. Fertilizer shall be its effectiveness will not be impaired. stored in weatherproof storage and in such a manner that specified in standard bags, sealed, and showing weight by Fertilizers: Fertilizer shall be delivered mixed as
- clean, bright, and free of weeds, moss, sticks, and other Mulch: Mulch shall be shredded melaleuca, Grade B,
- work shall be supplied at the site by the Owner. Water: All water required for the execution of the

in accordance with the latest edition of the Florida

Nomenclature shall conform to Standardized plant names

Plant species and sizes shall conform with plant list

materials shall meet or exceed the following

Contractor and as indicated on the plans. All plant Plant materials shall be furnished by the Landscape

Department of Agriculture's Grades and Standards for

herein and shall comply with all required inspections,

All plants shall be nursery grown or as stipulated

5.01 5.00

- meet or exceed the following standards: The Planting operations used to install the job shall
- The minimum grade for all trees, palms, shrubs, and groundcovers shall be Florida No. 1 and shall meet or grading standards and plant regulations as set forth in the Association of Nursery Stock, sponsored by the American materials are shipped with tags stating the botanical and for Nursery Plants', including revisions. Ensure that plant Florida Department of Agriculture 'Grades and Standards root ball. In all cases the diameter of the plant hole shall be the sides of the root ball, and 12" of back fill beneath the minimum(depending on root ball size) of back fill around and burlapped plants shall be large enough to allow 12" the trunk location as shown in the plans. Holes for balled roughly cylindrical in shape, with their side approximately depth as root ball. Plants shall be centered in the hole, with vertical. Pit shall be excavated so that bottom of pit is same Excavation of Plant Pits: Plant pit excavations shall be
- surrounding area of the finish grade or slightly above finish moistened condition the duration of the planting. moisten all of the backfilled earth. Plants shall be kept in a immediately upon planting shall be sufficient to thoroughly that no air-pockets remain. The quantity of water applied specified herein and shall be firmly rodded and watered, so shall be made with prepared planting in mixture as surrounding finish grade of the planting area. The back fill center of the pit. Shrubs shall be set flush with the grade. Each plant shall be planted in planting soil mix in the settled, the top of the root ball will be flush with the Setting Plants: All trees shall be set so, that when
- guyed as shown in the details and according to the Staking and Guying: All trees shall be staked or
- guys, midway between the tree and stakes for safety. bracing or anchorage material which has a minimum direction up to 30 degrees. Use strapping material materials to support the tree to stakes or ground Use wide plastic, rubber or other flexible strapping 12" length of high visibility flagging tape secured to color or approved equal. Do not use rope or wire anchors that will give as the tree moves in any through a hose. Use guy chords, hose or any other thin 'Arbor Tie' by Deep Root (800) 458-7668 dark green
- Stake trees as per details
- wood shall be alive. practice. At the time pruning is completed, all remaining shall be cut smoothly, and the tops of all trees shall be pruned in a manner complying with standard horticultural Pruning: All broken or damaged roots or branches
- E. Mulching: Within one week after planting, mulch material shall be uniformly applied to a minimum loose

- be placed against stems or trunks. thickness of 3 inches, over the entire area of the backfilled minimum of 3 inches thick to be accepted. place until the time of final inspection and I hole or bed. The mulch shall be maintained Mulch shall not nust be a continuously in
- manufacturer's instructions. Fertilizing shall not occur unti after flush of new growth. gram, tablet fertilizer, analysis 14-3-3, as pe shall be done with slow release, 'Woodace' Briquettes, 17 Fertilizing: Feeding of all trees and s pecimen shrubs

7.02

New material used to replace material unacceptable

Owner negligence and vandalism excepted. unacceptable, due to death or damage; acts of God, deemed by the Landscape Architect to be Landscape Architect all trees, shrubs, or groundcovers Contractor shall replace at the direction of the groundcovers and sod for 90 days. The Landscape trees and relocated palms for one year and the shrubs,

to the Landscape Architect, shall be guaranteed for

- strips; do not overlap. Hand tamp to ensure contact shall be leveled with the back of a rake immediately after laying. with subgrade, and water thoroughly with a fine spray with tightly fitted joints. Butt ends and sides of sod areas and or pavements. Lay sod to form a solid mass Milorganite per 1000 sf of area to receive sod. Grounc before sod installation, the contractor shall rake 50# where necessary to create a 4" soil bla blanket of soil using specified 60/40 topsoil mixture finish grading. Ground shall be covered with a 4" keeping surface of sod flush with the adjoining seeded with joints closely butted so that no voids are visible, and sod laid
- all voids remaining and thoroughly watered to wash enough sharp, clean 60%sand/40% muck soil mix to fill After sod is in place, it shall be top dressed with the top dressing into the sodded surface.

9.01 Upon completion of all work under this section, and

intermittently as required, the Landscape Contractor shall clear the site of all debris, superfluous material

and all equipment to the satisfaction of the Landscape

9.00

CLEAN-UP

the requirements of the guarantee be met.

inspection attended by the Landscape Contractor shall Landscape Contractor in writing and subsequent upon notification to the Landscape Architect by the that the project is ready for final inspection. Only Architect in writing at the end of the guarantee period

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All sod areas shall then be rolled using a vibrating #1500 sod roller. The contractor shall apply a

9.02 End

Architect

- It is the Landscape Contractor's responsibility to keep new sod properly watered until completion of the contract. All watering shall meet specifications
- Substitutions in plant species or size will be made only with prior written permission of the Landscape
- 6 If, in the opinion of the Landscape Architect, materials and /or work do not conform with the plans and must be removed immediately from the site by the specifications, it may be rejected and upon rejection,
- The Contractor shall be responsible for the be required by local, state, or federal a Contractor and replaced.
- 프 during the guarantee period at a minimum of:

7.00

GUARANTEE

specifications.

7.01 The Landscape Contractor shall guarantee all new

6.01 Maintenance shall be as per Maintenance

6.00 MAINTENANCE

- Sodding shall be done as soon as practical following inket. The day

8.01 The Landscape Contractor shall advise the Landscape

8.00 FINAL INSPECTION AND ACCEPTANCE

similar period from date of installation

- preemergent herbicide to all sodded areas.
- according to 'Grades and Standards' Section 983.

- shall bear the cost of the same, if any. certification and inspection of plant material that may authorities and
- The landscape contractor shall be responsible for obtaining water and watering to maintain soil moisture

Last eight months	Third-fourth month	Second month	
1 time per week.	2 tlmes per week	3 times per week	Cany

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SPECIFICATIONS LANDSCAPE

EK	Checked by			
EK	Drawn by			
05-11-2020	Date			
200004	Project number	Date	Description	No.

A.9004

MAINTENANCE SPECIFICATIONS

- GENERAL
- 1.01 The landscape design objectives are to provide a visually-pleasing and environmentally-sound landscape with a moderate level of maintenance
- summarized 1.02 The scope-of-work for landscape maintenance at this property is

Irrigation System Checks and Repairs 1 per month 38 cuts per year

Edging and trimming 3 per year 1 per month Winter 1 per 2 weeks Summer 1 per week

Pest scouting and treatment Tree Pruning 3 times per year 3 times per year once per 2 years Winter 1 per 2 weeks Summer 1 per week 38 times per year

QUALITY ASSURANCE

- 2.01 Contractor shall be an individual or firm of established reputation, which is skilled in performing work as outlined in this document. regularly engaged in, and which maintains a regular force of workers
- 2.02 All Contractors shall be insured with Workers' Compensation Insurance as proof of Comprehensive Automobile Liability Insurance. minimum limit of \$1,000,000 combined single limit per occurrence and required by the State of Florida, General Liability Insurance with a
- 2.03 All Contractors shall have any and all current licensing as required to perform the specified services in the municipality of which work is to be
- 2.04 All Contractors shall visit the site and inspect the landscape prior to
- No work is to be subcontracted without the prior written consent of the

All Contractors shall comply with all sections of these specifications.

- 2.07 All Contractors shall comply with all applicable local, state and federal Occupational and Safety and Health Administration (OSHA) standards, health and safety requirements, including the latest revisions of
- 2.08 All Contractors shall designate a competent supervisor or foreman to oversee all activities described in these specifications.

Operations-Safety Requirements) and State of Florida Department of American National Standards Institute (ANSI) Z133.1-2000 (Tree Care

Transportation (FDOT vehicle safety and traffic control requirements)

- 2.09 All Contractors shall be responsible for notifying the Owner and for the improper or negligent activities within their respective realm of cost and repair of any damage to irrigation systems, buildings, vehicles or other structures, properties or possessions, which occur as a result of responsibility, as defined in these specifications.
- 2.10 Contractors shall not be responsible for damages caused by others, vandalism, or Acts of Nature.
- 3.01 All Contractors shall be responsible for providing all labor and materials needed to completely and accurately perform the work outlined in these specifications. Equipment and materials furnished shall be of the appropriate type, size and quantity needed to adequately accomplish the
- 3.02 All Contractors shall be responsible for regularly inspecting all equipment structures or the environment. maintenance, so as to prevent any damage or injury to landscaping, to be used on the job site and for providing scheduled preventative

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- 4.00 SCOPE OF WORK IRRIGATION MANAGEMENT
- 4.01 Landscape Contractor shall be responsible for the maintenance, repairs, 1 time per month to check for broken heads, lines, valves, timers, and and timing of the irrigation system. The system shall be inspected at least
- 4.02 Broken heads and lines, and water coverage adjustments shall be made timers shall be reported to the Owner for repair by a licensed irrigation within 24 hours by the Contractor. Malfunctioning valves, pumps, or
- 4.03 Should the Landscape Maintenance crew cause or note any broken heads duties, they shall immediately report such damage to their supervisor so or lines or other irrigation problems during the course of their regular
- 4.04 Irrigation timers shall be set according to specific needs of each area or zone, and may be altered as per plant, site, and weather conditions.
- SCOPE OF WORK LANDSCAPE MAINTENANCE MOWING
- 5.01 All turf areas shall be mowed with rotary mowers 1 time each 7 days 1.5" above the cutting height. Total number of cuts per year shall be at time each 14 days, as needed to keep the grass from growing more than between May 1 and October 31. The rest of the year it shall be mowed 1
- 5.02 Mowing height for St. Augustine grass shall be $2^{\prime\prime}$ to $3^{\prime\prime}$, as measured on a avoided by either mowing at a greater height or by mowing around them mowing.Injuries to tree trunks, exposed roots, and shrub bases shall be All debris and/or litter shall be removed from turf areas prior to flat, paved surface. Mowing height in shaded areas shall be slightly higher
- Mower blades shall be kept sharp at all times so as to prevent tearing of
- 5.04 All grass clippings shall be removed from parking areas, driveways, brooms and/or rakes. Clippings shall not be blown out into streets or courtyards, decks, sidewalks, and planter beds using blowers, vacuums,
- 6.00 SCOPE OF WORK EDGING AND TRIMMING
- 6.01 All edges along bed lines, tree rings, parking areas, driveways, sidewalks, etc. shall be mechanically edged at least 1 time per month.
- 6.02 All turf around all sprinkler heads shall be trimmed as needed to prevent it from interfering with or intercepting the output of water.
- 6.03 The use of nylon cord trimmers (weed-eaters) around tree trunks or maintained); they may be used around sprinkler heads, fences, posts, and other non-living structures provided they do not cause damage to those hedges shall not be permitted (tree rings and bed lines must be
- 6.04 All trimmings shall be removed from parking lots, driveways, courtyards, rakes. Clippings shall not be blown out into streets or adjacent areas. sidewalks, and planter beds using blowers, vacuums, brooms, and/or
- dumping or recycling sites. 6.05 All trimmings shall be collected daily and disposed of at authorized
- SCOPE OF WORK SHRUB PRUNING
- 7.01 All landscaped areas shall be inspected at least 1 time per week to including limbs, branches, palm fronds, stems, or flowers, and to keep plants from encroaching upon parking areas, driveways, sidewalks, streets, within their intended bounds, to remove dead or damaged plant parts ascertain whether any pruning and trimming is needed to maintain plants windows, signs, lighting, etc.
- 7.02 Appropriate pruning tools (hedge trimmers, pruning clippers, loppers, and at all times. Machetes, breakage by hand, and climbing spikes shall not be hand saws) shall be used and properly maintained with sharpened blades

- 7.03 All shrub beds are to be massed in a naturalistic fashion. Shrub beds sh maintained by minimizing pruning. Periodic cutbacks of specific plantings effect. Plants shall not be individually shaped. Maximum bloom shall be prune off old flowers, clean out old leaves, and create a naturalistic mass be pruned as needed to maintain plants within their intended bounds,
- 7.04 All ground cover material shall be regularly pruned and cleaned as need to remove any dead or damaged plant parts, including old leaves, flowers, and stems. Periodically, it may be necessary to thin or reduce the size of the plantings by removing sections of plants are also.
- 7.05 Hedges and formal border plantings shall be pruned at least 1 time per specified by the landscape architect. month or more often if needed to maintain them at the heights and widths
- 7.06 All vines shall be pruned and trained as needed onto trellises or other
- 7.07 All palms which are less than 15 feet in overall height shall be pruned as
- be regularly removed as it naturally loosens. individual frond shall be cut as close to the trunk as possible, removing the entire leaf base, including all spines. Thatch accumulations on trunks shall needed to remove brown fronds, coconuts, and inflorescences. Each
- 7.08 All clustering palms which are less than 15 feet in overall height shall be clusters may be required; approximately 1/4 to 1/3 of the total number of stems, evenly distributed throughout the cluster and at staggered heights, shall be cut at ground level and removed. Palms shall not be "cleaned" to remove all young stems. Periodically (no more than one time per year), some thinning of the pruned as needed to remove brown fronds and inflorescences.
- pruned as needed to remove dead branches, or to raise or reduce crowns to prevent them from encroaching into pedestrian/vehicular areas, over certified arborist or tree crew. Contractor. All other tree and palm pruning shall be the responsibility of a windows, sidewalks, lights, signs, etc. There shall be no other All hardwood trees which are less than 15 feet in overall height shall be "cleaning", "thinning", or "raising" of tree crowns by the Landscape
- 7.10 All clippings and debris, including fallen palm fronds and nuts, shall be collected daily and disposed of at authorized dumping or recycling sites.
- 8.01 All hedges, shrubs, planter beds, and free-standing palms and hardwood trees shall be mulched 3 times per year using naturally-colored, shredded cypress, eucalyptus, or heat-sterilized melaleuca mulch, Grade B or better, layered to and maintained at a depth of 3 inches at all times
- All free-standing palms and shade trees shall have circular tree rings diameter) from the trunk, within which mulch shall be maintained. maintained uniformly at a distance of at least 18-inch radius (36-inch
- 8.03 Mulched areas shall begin 2 to 4 inches from trunks or stems and conti out to completely fill in shrub beds and tree rings. Mulch shall not be allowed to cover crowns of shrub plants or accumulate against the trunks
- SCOPE OF WORK WEED CONTROL
- 9.01 Weeds shall be removed by hand on an on-going basis throughout the ("volunteers") in hedges and shrub beds. thatch on palm trunks, fallen palm fruits, and tree/palm seedlings year in all landscaped areas, including the removal of weeds growing in
- shall be removed by hand as the mowing scheduel or more often if needed All weeds in driveways, sidewalks, fence lines, or other hardscape areas
- After adequate plant establishment, chemical pre- and post-emergent PEST CONTROL section). nerbicides may be used on an as-needed basis in turf and shrub areas (see

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9.04 All debris shall be collected daily and disposed of at authorized dumpi

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SPECIFICATIONS MAINTENANCE

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05-11-2020	Date			
200004	Project number	Date	Description	0

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