



Site Location Map

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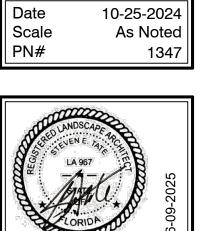
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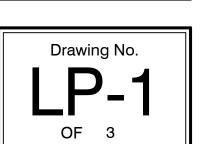
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Covelli Design Associa

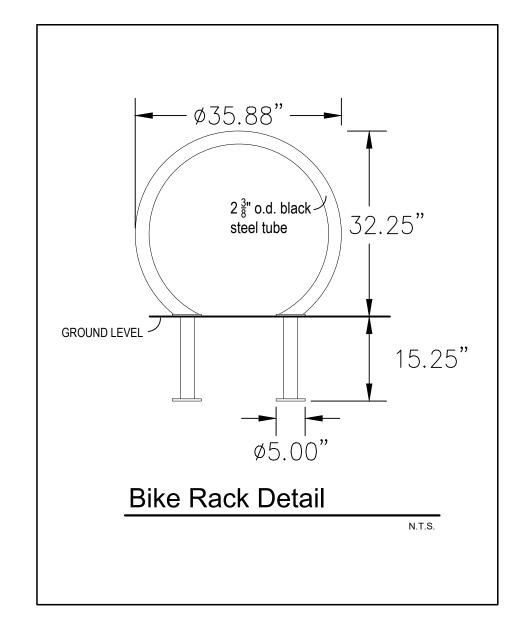
Plan andscape Hyundai-

> 10-25-2024 As Noted





1" = 20'



#### Landscape Tabulations -Multifamily & Commercial (Cabbage and ptychosperma palms counted as 3:1)

- A. TOTAL LOT AREA
- 140,227 s.f. B. STRUCTURES, PARKING WALKWAYS, DRIVES, ETC. 124,436 s.f.
- C. TOTAL PERVIOUS LOT AREA 15,791 s.f.
- D. AREA OF SHRUBS & GROUNDCOVERS REQUIRED 4,737 s.f. (30% of "C")
- E. AREA OF SHRUBS & GROUNDCOVERS PROVIDED 10,540 s.f.
- F. NATIVE VEGETATION REQUIRED
- 1,184 s.f. (25% of "D") G. NATIVE VEGETATION PROVIDED
- H. TOTAL PAVED VEHICULAR USE AREA 58,935 s.f.
- . TOTAL INTERIOR LANDSCAPE AREA REQUIRED 5,894 s.f. (10% of "H")
- J. TOTAL INTERIOR LANDSCAPE AREA PROVIDED 12,261 s.f.

- K. TOTAL INTERIOR SHADE TREES REQUIRED 47 (I/125)
- L. TOTAL INTERIOR SHADE TREES PROVIDED
- M. TOTAL L.F. SURROUNDING PARKING OR VEHICULAR USE AREA
- N. TOTAL NUMBER OF PERIMETER TREES REQUIRED 21 (M/25)
- O. TOTAL NUMBER OF PERIMETER TREES PROVIDED
- P. TOTAL NUMBER OF EX. TREES TO BE SAVED ON SITE
- Q. TOTAL NUMBER OF NATIVE TREES REQUIRED  $68 \times 50\% = 34$
- R. TOTAL NUMBER OF NATIVE TREES PROVIDED
- S. TOTAL NUMBER OF OF TREES ON PLAN PROVIDED 92 (80 trees & 12 palms)

# TREE & PALM REPLACEMENT SUMMARY

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Trees @ 1:1 (cond. less than 50%)	0	75
Trees @ d.b.h. (1 tree) (cond. 50% or greater)	4"	25"
Palms @ 1:1 (cond. less than 50%)	0	17
Palms @ 16' o.a. or greater ht. (cond. 50% or greater)	7	7

<sup>\*</sup> See also Tree Disposition Plan

## TREES - PLANT KEY

F	Plan								Replacement Value	
Quantity	Symbol	Botanic Name / Common Name	Height	Spread	Caliper	Remarks	Native	Drought Tol.	Tree @ 1:1	Tree cal. for d.b.h.
8	CE	Cococarpus erectus Green Buttonwood	16'	8'	4.5"	8' c.t. , min. 6' single, straight trunk	Yes	Very	8	-
7	СО	Cordia sebestena Geiger Tree	16'	5-6'	2.5"	8' c.t. , min. 6' single, straight trunk	Yes	Very	7	-
6	CS	Cococarpus erectus serecius Silver Buttonwood	16'	8'	Multi	8' c.t. , min. for pedestrian clearance Min. 3 trunks, FLA FAN	Yes CY	Very	6	-
25	IC	llex cassine Dahoon Holly	16'	5-6'	3"	8' c.t. , min. 6' single, straight trunk	Yes	Very	25	-
4	LB	Lysiloma latisiliquum Wild Tamarind	16'	8'	4"	8' c.t. , min. 6' single, straight trunk	Yes	Very	4	-
13	LI	Lagerstroemia indica 'Tuscadora' Pink Crape Myrtle	16'	8'	4"	8' c.t. , min. 6' single, straight trunk	No	Very	13	-
6	РВ	Pimenta racemosa Bay Rum	16'	5-6'	3"	8' c.t. , min. 6' single, straight trunk	No	Very	6	-
5	QH	Quercus virginiana "Highrise" Live Oak	16'	6-7'	5"	8' c.t. , min. 6' single, straight trunk	Yes	Very	-	25"
6	QV	Quercus virginiana Live Oak	16'	6-7'	5"	8' c.t. , min. 6' single, straight trunk	Yes	Very	6	-

### PALMS - PLANT KEY

Quantity Plan Symbol	Plan								Replacement Value	
	Botanic Name / Common Name	Height	Spread	Trunk Remarks		Native	Drought Tol.	Palm @ 1:1	Palm c.t. ht.	
5	PT	Ptychosperma elegans Alexander Palm	14' c.t. ht. matched	-	-	double heavy trunks	No	Very	5	-
7	PH	Phoenix sylvestris Sylvester Palm	16' c.t. ht. matched	-	-		No	Very	7	-
12	SP	Sabal palmetto Cabbage Palm	c.t. ht. as noted on plan	-	-	heavy trunks boots removed	Yes	Very	5	7

## SHRUBS - PLANT KEY

Quantity	Plan Symbol	Botanic Name / Common Name	Height	Spread	Spacing	Remarks	Native	Drought Tol.
49	ACA	Acalypha wilkesiana Copperleaf	30"	24"	-	full to ground	No	-
13	CAP	Capparis cynophallophora Jamaica Caper	4'	2.5'	-	full to ground	Yes	Very
3	СНА	Chamaedorea erumpens Bamboo Palm	6'	2.5"	-	full with suckers	No	Mod
727	CHR	Chrysobalanus Icaco "Red Tip" Red Tip Cocoplum	36"	20"	24"	adjust quan./spacing to plant with branches touching	Yes	Very
62	CLU	Clusia guttifolia Small Leaf Clusia	4'	2.5'	-	full to ground	No	Very
2	COR	Cordyline fruticosa 'Bolero' Bolero Ti Plant (green, red, cream leaf)	3-4'	2'	-	full, min. 3 staggered heads	No	Very
145	FOS	Forestiera segregata Florida Privet	36"	20"	24"	adjust quan./spacing to plant with branches touching	Yes	Very
125	MUH	Muhlenbergia capillaris Pink Muhly Grass	24"	15-20"	24"	full	Yes	Very

## **GROUNDCOVERS - PLANT KEY**

Quantity	Plan Symbol	Botanic Name / Common Name	Height	Spread	Spacing	Remarks	Native	Drought
36	ASP	Asparagus densiflorus "Myers" Foxtail Asparagus Fern	12"	18-20"	24"	-	No	Very
1099	DIA	Dianella tasmanica "Variegata" Varigated Flax Lily	12"	10"	15"	-	No	Very
442	FIC	Ficus microcarpa "Green Island" Green Island Ficus	12-15"	15-18"	24"	-	No	Very
597	JAS	Jaminum volubile Wax Jasmine	12-15"	15-18"	24"	-	No	Very
13	NGA	Neoregelia "Green Apples" Petra Bromeliad	12"	12"		grown for sun plant in ex. pot in groun	No d	-
224	NPE	Neoregelia "Petra" Petra Bromeliad	12"	12"		grown for sun plant in ex. pot in groun	No d	-

# All sod shall be St. Augustine "Palmetto"

Abbreviations: c.t. - clear trunk c.w. - clear wood g.w.- grey wood ht. - height o.a. - overall

### PLANT PLACEMENT

- 1.Trees and Palms shall be installed to avoid frond or branch contact with structures.
- 2. Shrubs shall be installed to allow for maintenance access between structures and the plant material.
- 3. Field adjustment may be necessary in ensure compliance with above notes. Contact Landscape Architect in case of conflict.

#### PLANT KEY NOTES

- 1. The Contractor is responsible to verify all plant quantities and report any discrepancies to the Landscape Architect.
- 2. Drought tolerance noted is per SFWMD (May 2003) "Waterwise" South Florida Edition or University of Florida IFAS Extension Service, as applicable.

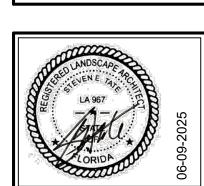
**Tabulations** Delray

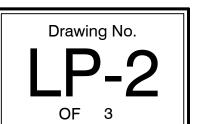
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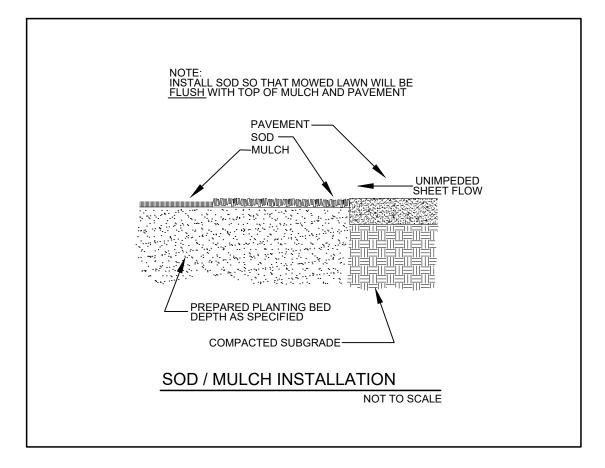
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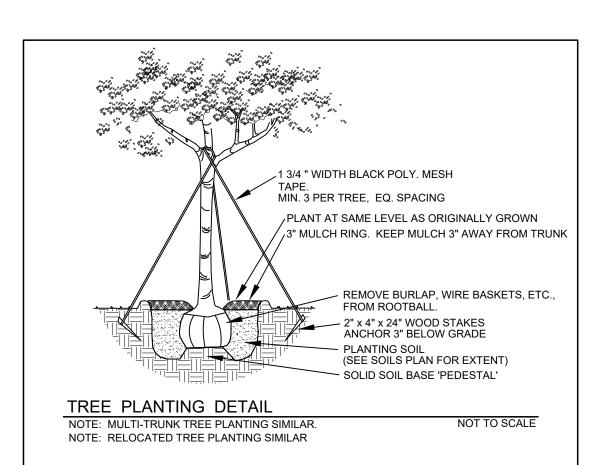
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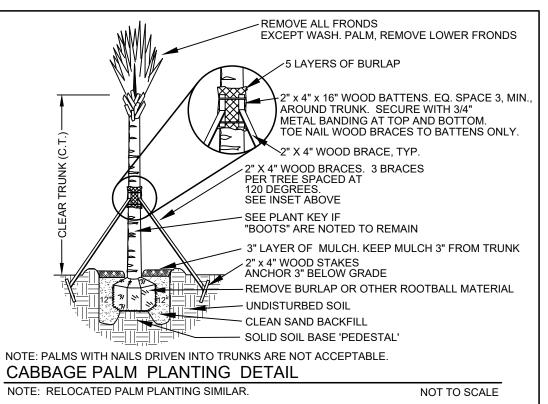
10-25-2024 Scale PN# As Noted

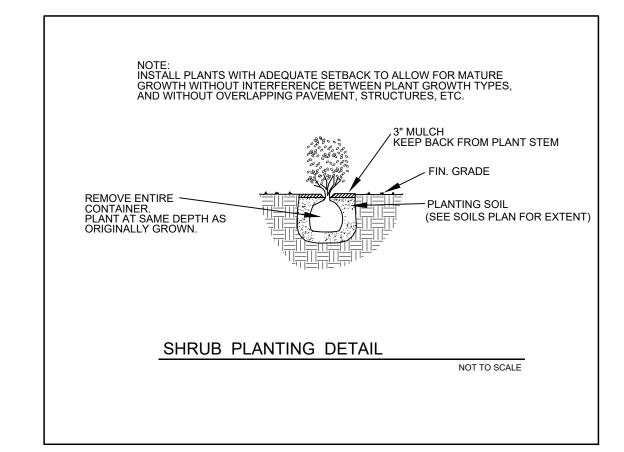


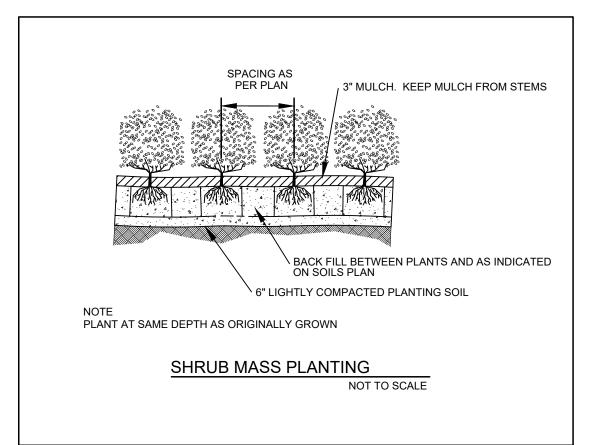


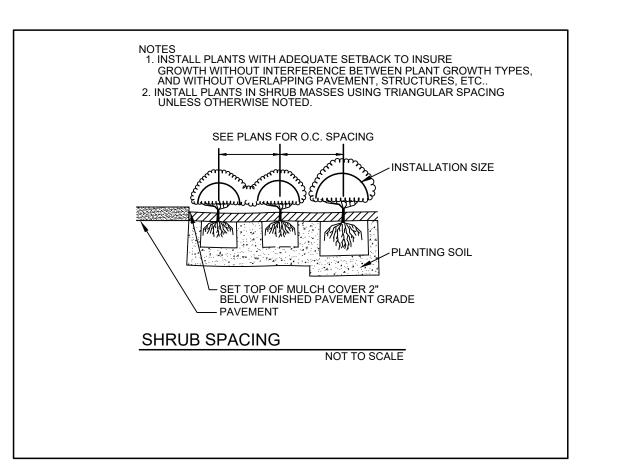


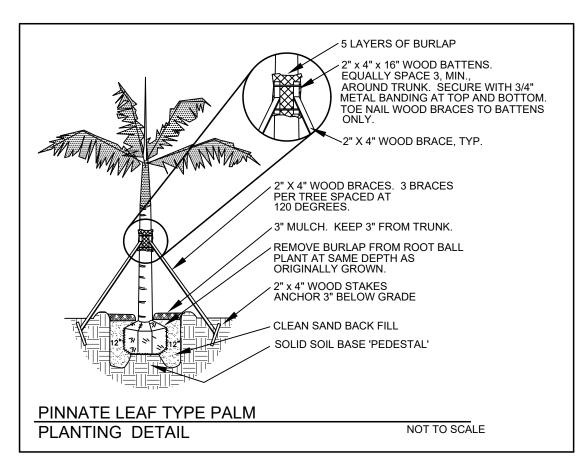












SEE NOTE 1

City of Delray Beach Standard Detail LD2.0 dated 10-04-2024

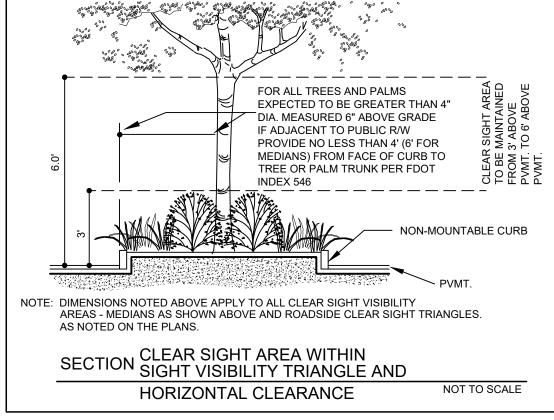
NOTES: 1. THIS DISTANCE SHALL BE 10' MINIMUM FROM ALL CITY FACILITIES

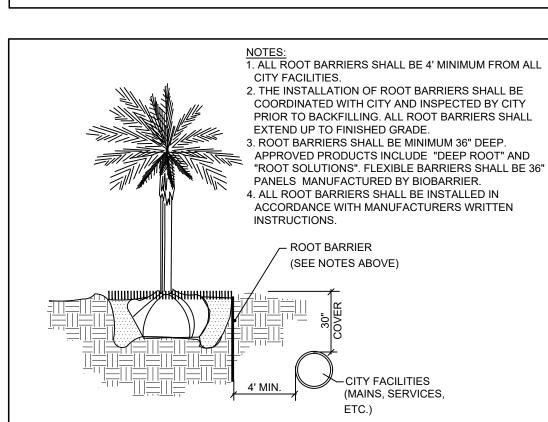
TYPICAL TREE WITHOUT ROOT BARRIER LD 2.0

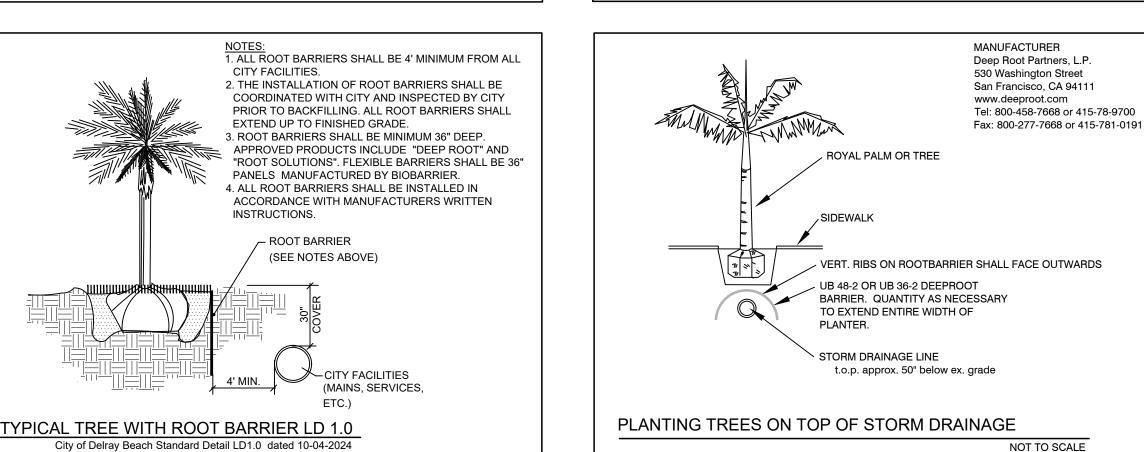
IF NO ROOT BARRIER IS USED.

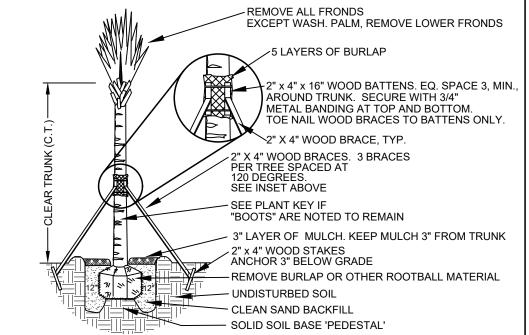
CITY FACILITIES

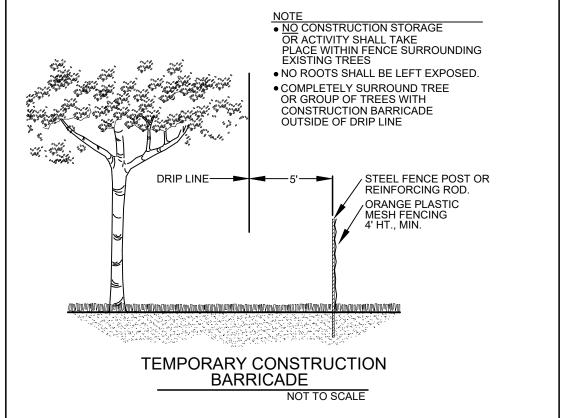
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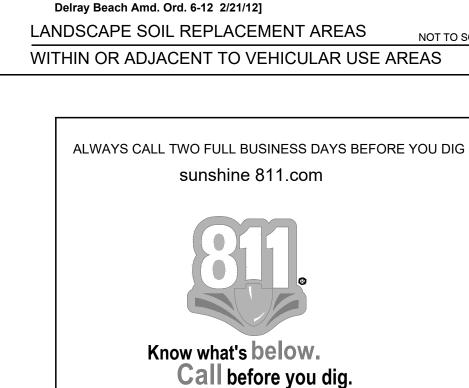












#### Supplemental Landscape Notes

Sec 4.6.16.(E)Landscape design standards (4) All plant materials used in conformance with provisions of this ordinance shall conform to the Standards for Florida No. 1 or better as given in "Grades and Standards for Nursery Plants" Part I, 1963 and Part II, State of Florida Department of Agriculture, Tallahassee, or the most current revised edition

(5) Trees shall be a species having an average mature spread of crown greater than 20 ft and having trunks which can be maintained in a clean condition with over 6 ft of clear mature wood. Trees having an average mature spread of crown less than 20 ft may be substituted by grouping the same so as to create the equivalent of a 20 ft spread of crown. Tree species shall be a minimum of 16 ft in overall height at the time of planting, with a minimum of 6 ft of single straight trunk with 8ft of clear trunk, and a 7 ft spread of canopy. Trees for single family homes and duplexes shall be a minimum of 12 ft in overall height at the time of planting, with a minimum of 4 ft of single straight trunk with 6 ft of clear trunk, and a 6 ft spread

(6) Palms must have an overall height of a minimum of 16 ft and a minimum of 8 ft of clear trunk at the time of planting. Minimum overall palm height may be increased if palms are of a nature that the fronds hang below an 8 ft clearance, and are further, located in an area where pedestrians may be adversely affected by the fronds. No more than 50 percent of the required trees shall be Palms. Palm species which do not have a mature spread of crown of at least 15 ft shall be grouped in 3, and 3 palms shall equal 1 shade tree. Coconut Palms and Royal Palms may be credited on a one for one basis with shade

Palms used for single family homes and duplexes must have an overall height of a minimum of 12 ft and a minimum of 6 ft of clear trunk at the time of planting.

(7) Shrubs and hedges shall be a minimum of 2 ft in height when measured immediately after planting. Hedges where required shall be planted and maintained so as to form a continuous, unbroken, solid, visual screen within a maximum of one year after planting. To this end, shrubs shall be spaced a maximum of 2 ft O.C. Shrubs shall be permitted to be planted up to a maximum of 2.5 ft OC, if branches are touching at the time of planting and exceptionally full. Hedges must be allowed to attain height of 36-inch except where providing adequate and safe sight distance requires them to be maintained at a 30-inch height. Hedges that are required for screening purposes shall have their height specified as follows: Hedges shall fully screen equipment that is 5 ft above grade or less. Equipment 5 ~ 16 ft above grade shall be screened with hedges that are half of the height of the item to be screened. In such instances, the required hedge shall not be any less than 5 ft in height. Anything higher than 16 ft shall be screened with shrubbery that is a minimum of 8 ft in height.

(8) Lawn Grass: For commercial, industrial and multi-family developments, no more than 70 percent of the combination of the required interior greenspace and the required perimeter landscape buffers, shall be planted in lawn grass. For the development of single family and duplex residences, no more than 80 percent of the pervious lot area shall be planted in lawn grass. A minimum of 20 percent of the pervious lot area shall be planted in

Solid sod must be used in swales, canal banks, rights-of-way and other areas subject to erosion.

Sec. 4.6.16.(F) Irrigation requirements all developments. All landscaped areas shall be provided with a fully automated sprinkler system. All systems shall be designed to allow for head-to-head coverage (100 % coverage with 100 % overlap).

Low-volume irrigation systems, such as drip or micro-irrigation systems, are strongly encouraged.

Automatically controlled irrigation systems shall be operated by an irrigation controller, high water requirement areas scheduled differently from and low water

Sprinkler heads shall be installed to minimize spray upon any public access, sidewalk street or other non-pervious area.

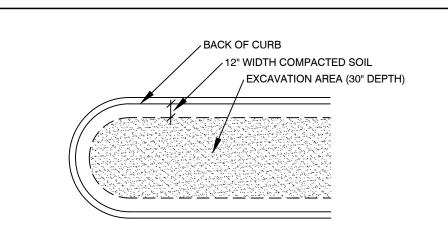
The use of low trajectory spray nozzles is encouraged.

The use of low volume or drip systems is encouraged.

All irrigation systems shall be equipped with a rain sensing device.

The use of pop-up sprinkler heads is required in swale areas between the property line and the pavement edge of the adjacent ROW to minimize pedestrian hazard.

An irrigation legend shall be shown on irrigation plan.



1. Existing native soil within all landscape islands, interior landscape strips and perimeter landscape strips, adjacent to vehicular use areas, shall be excavated down to a depth of thirty (30) inches below existing grade, except for a 12" buffer from the inside of curb or pavement.

2. A suitable planting soil mixture of fifty/fifty (50/50), sixty/forty (60/40) (sand/topsoil) or as otherwise indicated by the Registered Landscape Architect, shall either be backfilled in place of the native soil or efficiently mixed with the native soil to create an optimum environment for successful root development.

3. If native soil is to be mixed, it shall first be screened to remove rocks and debris larger than one-half (1/2) inch in diameter prior to mixing 4. All properties under this section shall be required to have an open landscape bed inspection prior to backfilling to insure the thirty (30) inch depth has been met. [City of

NOT TO SCALE



- 1. All landscape and specifications shall meet or exceed the minimum requirements as provided by the City of Delray Beach Land Development Code.
- 2. All planting material shall meet or exceed Florida Grade #1 as specified in Grades and Standards for Nursery Plants,
- 3. All sizes shown for plant material on the plan are to be considered as minimums. All plant material must meet or exceed these minimum requirements for both height and spread. Any other requirements for specific shape or effect
- as noted on the plan will also be required for acceptance. 4. Landscape shall be placed to edge of abutting ROW, canals, lakes or other lands.
- 5. All mechanical equipment, air conditioning, irrigation pump stations and equipment, fpl transformers, pool pumps, etc. must be screened on three (3) sides by landscape shrubs. Note: the quantity of screening shrubs may be in addition to the required number of shrubs as provided in the code calculation table. All screening shrubs shall be planted for proper operation of equipment being screened and/or per the requirements of the utility as necessary.
- 6. Guying/staking practices shall not permit nails, screws, wires, etc. to penetrate outer surfaces of trees, palms or other planted material. Trees, palms and plant material will be rejected due to this practice.
- 7. Burlap material, wire cages, plastic/canvas straps, etc. must be cut and removed for the top one-half (1/2) depth of the root ball. Trees and shrubs grown in grow bags or grow bag type material must have such material removed entirely prior to planting the tree or shrub.
- 8. All plant material shall be free of pests, insects, disease, weeds, etc.
- 9. All plant material shall be planted at the proper depths, as originally grown and/or so the top of the root ball is flush or slightly above finished grade immediately after planting. All trees should provide trunk taper when properly planted at the correct planting depth.
- 10. All plant material shall be watered in at time of planting to eliminate air pockets in the root zone area.
- 11. Upon completion of work, the site shall be cleared of all debris, superfluous materials, and equipment caused by this
- 12. All landscaped areas shall be provided with an underground fully automatic irrigation system using pop-up sprinklers. System shall provide 100% coverage with a 75% overlap (minimum) using rust-free water, except any preserved areas remaining in natural state. A rain sensor device or switch shall be installed that will override the irrigation system when adequate rainfall has occurred. Water shall not be directed and/or provided onto impervious surfaces and/or be designed or installed to throw water over an impervious surface such as a sidewalk, etc. Hours of operation for all irrigation systems shall be limited to 5:00 p.m. to 8:00 a.m. only or as may be further restricted by South Florida Water Management District or other jurisdictional agency.
- 13. All plant material and work shall be guaranteed for one-year from date of final job acceptance. During the one year guarantee, any plant material that dies or is in an unhealthy condition shall be replaced with the same plant type at least equal to the size and quality originally specified. The replacement material shall also be guaranteed for one year from the date of its installation. The guarantee will be null and void if plant material is damaged or killed by lightning, hurricane force winds, hail or freeze.
- 14. The landscape contractor is responsible for verifying there are not conflicts with above or below ground utilities prior to commencing landscape installation. Notify owner if conflicts
- 15. Any trees to remain shall be pruned in such a way to promote proper horticultural and natural tree growth. 16. All trees and palms placed closer than 10' from underground
- utilities shall receive root barrier. See detail this sheet. 17. Ground covers shall be spaced as noted or to insure ground cover within 6 months of planting.
- 18. Place sod on smooth sod bed. Remove any rocks and other debris prior to sodding. Sod shall be placed so there are no gaps or voids between pieces. On slopes place sod at 90ø to slope direction. Stake sod or otherwise ensure its establishment on slopes.
- 19. Mulch shall be eucalyptus or melaleuca mulch. All trees in sod areas are to have a 30" ring covered with a 3" layer of mulch. Cover all shrub beds with a 3" layer of mulch. Mulch shall not touch tree, palm or shrub trunks or stems.
- 20. All plant material shall be fertilized with a tablet form balanced fertilizer containing minor elements. Follow manufacturer's recommendations for rates. sod areas shall be fertilized with a granular form balanced fertilizer with minor elements following manufacturer's recommendations for rates.
- 21. Planting soil shall be a mix of 1/3 native soil, 1/3 clean sand & 1/3 peat as shown on the planting plan. If native soil is unacceptable, contact landscape architect.
- 22. Reinforced concrete curbing at least 6" in height shall be provided around all landscape islands and as a separator between all landscape areas that are adjacent to vehicular use areas unless such curbing will interfere with the drainage the drainage.
- 23. The landscape irrigation system shall utilize reclaimed water, when available and where allowed by Florida Statutes, from one master meter located at the property line. Coordinate location and service with the City of Delray Beach Public Utilities Department.



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10-25-2024 Date Scale As Noted PN# 1347

