

Landscape Data:

Total Site Area:	475,152 sf	10.91 ac
Marina Basin:	64,469 sf	1.48 ac (14%)
Development Area:	410,553 sf	9.43 ac (86%)
Total Required Landscape Area: (20% of Development Area)	82,111 sf	1.89 ac (20%)
Total Provided Landscape Area	153,331 sf	3.52 ac (37%)
Development Area (trees = 1/2500 sf):		
Trees Required (410,553/2500)	164 trees	
Trees Provided	210 trees	
existing trees (including 18 palm credits)	114 trees	
proposed trees (including 17 palm credits)	96 trees	
Vehicular Use Area (VUA) Requirements (Additional VUA Only):		
VUA Perimeter Required Landscape Area: (1" VUA landscape strip @ perimeter length @ 925 ft)	9,250 sf	0.21 ac
VUA Perimeter Provided Landscape Area:	9,250 sf	0.21 ac
VUA Perimeter Trees Required: (1 Tree / 30 linear ft of perimeter @ 925 ft)	31 trees	
VUA Perimeter Trees Provided:	31 trees	
VUA Perimeter Shrubs Required: (1 Shrub / 3 linear ft of perimeter @ 925 ft)	308 shrubs	
VUA Perimeter Shrubs Provided:	317 shrubs	
VUA Interior Required Landscape Area: (500 sf landscape area per 5,000 sf VUA @ 64,843 sf)	6,454 sf	0.15 ac
VUA Interior Provided Landscape Area:	6,945 sf	0.16 ac
VUA Interior Trees Required: (1 Tree / Landscape Area @ 12-2 trees/500 SF interior area @ 26)	38 trees	
VUA Interior Trees Provided:	38 trees	
Total Required VUA Landscape Area: (VUA Perimeter + VUA Interior Area)	15,704 sf	0.36 ac
Total Provided VUA Landscape Area	16,195 sf	0.37 ac

Total Required Tree Credits: (VUA Perimeter + VUA Interior Landscape Areas)	69 trees
Total Provided Tree Credits:	69 trees
Type 3 Buffer Landscape Required: (Type 3 Bufferland, typical)	3,000 sf
Adjacent Single-family Buffer Landscape Provided (Type 3 Bufferland, typical)	3,000 sf
Type 3 Buffer Trees Required: (1 Tree Per 300 sf @ 3,000 sf)	10 trees
Type 3 Buffer Trees Provided:	10 trees
Type 3 Buffer Shrubs Required: (34 Shrubs Per 300 sf @ 12,000 sf)	340 shrubs
Type 3 Buffer Shrubs Provided:	340 shrubs
Type 4 Buffer Landscape Required: (Type 4 Bufferland, typical) 300 LF	12,000 sf
Type 4 Buffer Trees Required: (1 Tree Per 300 sf @ 12,000 sf)	40 trees
Type 4 Buffer Trees Provided: (Existing trees including 3 palm credits) (proposed Trees)	45 trees 30 15
Type 4 Buffer Shrubs Required: (34 Shrubs Per 300 sf @ 12,000 sf)	1,360 shrubs
Type 4 Buffer Shrubs Provided:	1,417 shrubs
Irrigation:	
Adequate irrigation of landscaped areas shall be provided for the first full growing season and continue thereafter only as necessary to maintain required vegetation in good and healthy condition.	
Irrigation systems shall conform to the following standards: Irrigation systems shall be continuously maintained in working order and shall be designed not to overflow water zones or to water impervious areas.	
No irrigation system shall be installed or maintained about any public street which causes water from the system to overspray onto the roadway or to strike passing vehicular traffic.	
Irrigation Water Source: Existing Permitted Well	

Landscape Notes:

- Alternative plant species for required landscape may be permitted subject to review and approval by the Martin County Growth Management Department prior to installation.
- All prohibited exotic or invasive species shall be removed from the entire site prior to the issuance of a Certificate of Occupancy.
- All required landscaping shall be installed prior to the issuance of a Certificate of Occupancy.
- No Cypress Mulch is to be used on site. Recycled Wood Mulch (EnviroMulch or approved equal) is to be used in a 3" consistent layer in all planting beds.
- Enhanced landscaping beyond minimum requirements will conform to all applicable sections of the Martin County Landscape Development Regulations. As-built drawings will be submitted to Martin County Growth Management with Certification of Landscaping installation and Maintenance.
- This plan has been designed to meet the tree planting requirements contained within the FPL document entitled 'Plant the Right Tree in the Right Place'.
- For existing or proposed utilities, no tree shall be planted where it could, at mature height conflict with overhead power lines.
- Large trees (height at maturity of more than 20') shall be planted no closer than a horizontal distance of 30' from the nearest overhead power line.
- Medium height trees (height at maturity between 20' and 30') shall be offset at least 20' and small trees (height at maturity of less than 20') require no offset.
- No tree shrubs, hedges or vines shall be planted within 5' of an existing or proposed utility pole, guy wire or pad-mounted transformer.
- Palms should be planted at a distance equal to or greater than the average front length plus two (2) feet from power lines.
- Tree species shall be selected as to minimize conflicts with existing or proposed utilities.
- Encroachments into required buffers and landscape areas by vehicles, boats, mobile homes or trailers shall not be permitted, and required landscape areas shall not be used for the storage of or sale of materials or products or the parking of vehicles and equipment.
- The property owner, or successors in interest, or agent, if any, shall be jointly and severally responsible for the following:
 - Regular maintenance of all landscaping to be kept alive and in good condition and in a way that presents a healthy, neat, and orderly appearance. All landscaping shall be maintained free from disease, pests, weeds, and litter. Maintenance shall include weeding, watering, fertilizing, pruning, mowing, edging, mulching and other maintenance, as needed and in accordance with acceptable horticultural practices;
 - Repair or replacement of required walls, fences, or structures to a structurally sound condition;
 - Regular maintenance, repair or replacement, where necessary, of any screening or buffering required by this division; and
 - Perpetual maintenance to prohibit the re-establishment of harmful exotic species within landscaping and preservation areas.

Sheet Index

LA-1 Landscape Plan
LA-2 Landscape Plan & Plant Schedule
LA-3 Existing Conditions
LA-4 Landscape Details
LA-5 Landscape Specifications

Required Xeriscape Points

51% or more of the grass areas are made up of drought-tolerant grass species	10 points
51% or more of the required shrubs are made up of drought-tolerant species	10 points
51% or more of the required trees are made up of drought-tolerant species	10 points
Moisture sensing controller other than a rain-sensor override device will be provided	5 points
Utilization of mulch other than cypress mulch	5 points
Utilization of compacted mulch with a 3" min. depth in all planted areas except ground cover.	10 points
50 Total Points	

lucido & associat
701 SE Ocean Blvd., Surf, Florida 34984 (772) 255-2700, Fax 177

Key / Location:

Project Team:

Client & Property Owner: AC Meridian Marina, LLC
1400 SW Chapman Way
Palm City, Florida 34960

Planners: Lucido & Associates
Landscape Planning & Landscape Architecture
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Martin Downs PUD
Portion of Parcel 2!
known as
Meridian Marina
aka
Martin Downs Marina Village
Martin County, Florida
Landscape Plan

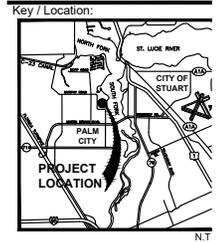
Date	By	Description
09.16.21	SAW	Initial Application
03.03.22	SAW	Resubmit
06.22.22	SAW	Resubmit

SCALE: 1" = 30'

REG. # 1018
Thomas P. Lucido

Designer: S.L.S. Sheet
Manager: M.C.
Project Number: 21-125
Municipal Number: ---
Computer File: ---

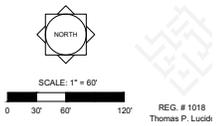
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 1901 SW Volusia
 Fort St. Lucie, Florida 34953

**Martin Downs PUD
 Portion of Parcel 2!
 known as
 Meridian Marina
 aka
 Martin Downs
 Marina Village**
 Martin County, Florida
Landscape Plan

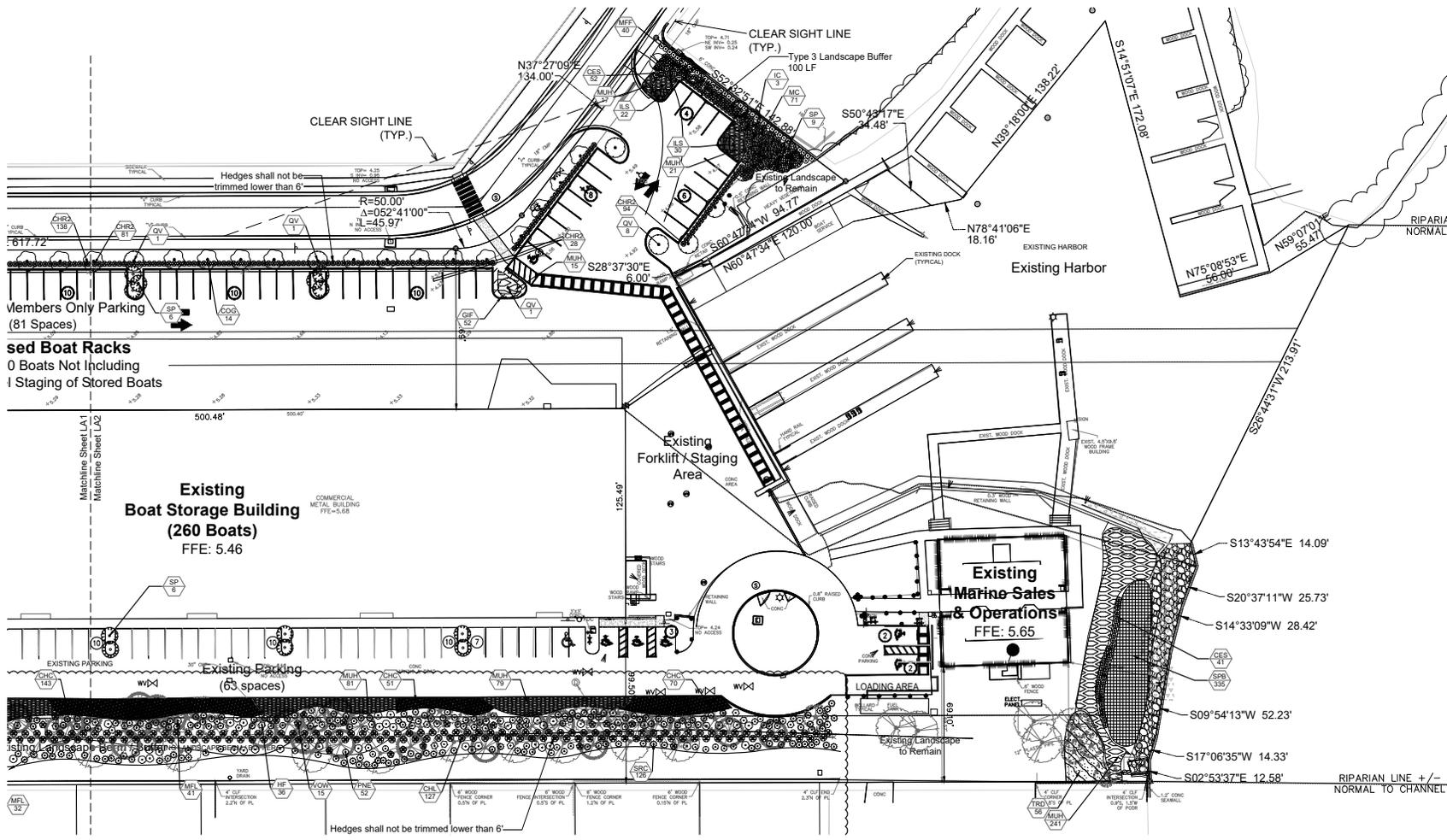
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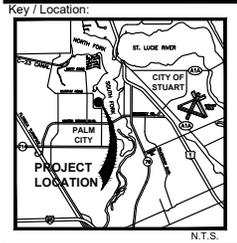
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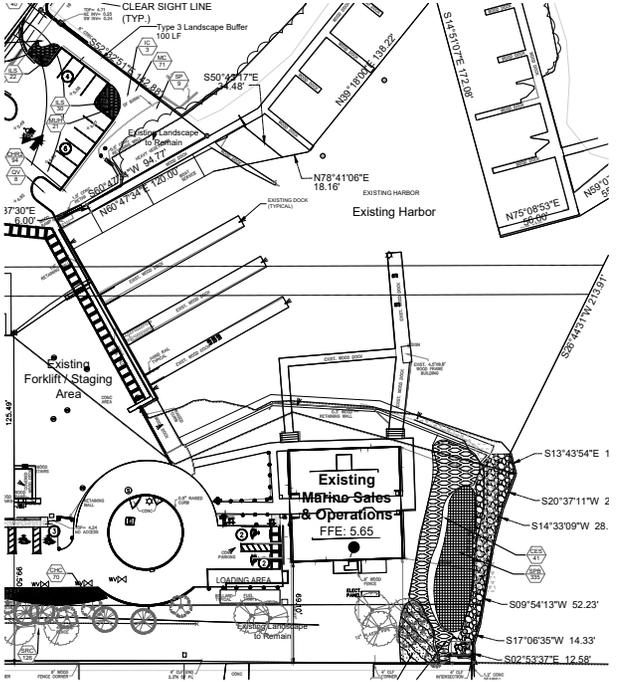
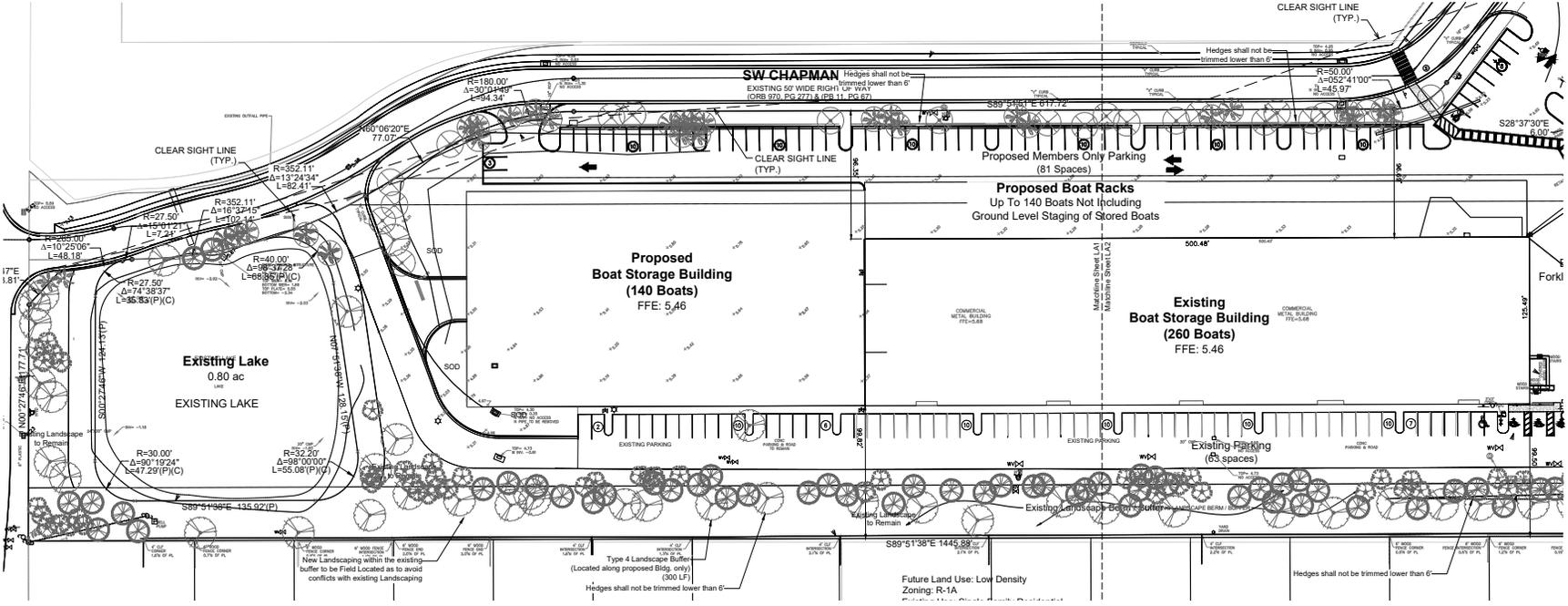


PLANT SCHEDULE MERIDIAN MARINA

EXISTING TREES	QTY	BOTANICAL NAME	COMMON NAME	CONTAINER	HEIGHT	WIDTH	NOTES	NATIVE	CALIPER
EXP	21	Existing Trees to be removed	Existing Trees to be removed				Existing Trees to be removed		
EXP	53	Pinus elliotii densa	Slash Pine				Existing Pine Tree to remain		
EXP	43	Quercus	Existing Oak Tree				Existing Oak to Remain		
EXP	54	Sabal palmetto	Existing Cabbage Palmetto				Existing Sabal Palm to remain		
EXP	33	Spathoglomys floridana	Existing Queen Palm				Existing Palm to be removed		
COG MINIMAM	QTY	BOTANICAL NAME	COMMON NAME	CONTAINER	HEIGHT	WIDTH	NOTES	NATIVE	CALIPER
COG	13	Conocarpus erectus	Caribbean Sea Palm	18"	3'	3'	FTB, 30" O.C.	Native	2" Caliper
IC	13	Nea cassiana	DuRoi's Holly	FG	10' HT	6' SPR	F, SP	Native	2" Caliper
QV	21	Quercus nigra	Swamp Live Oak	FG	10' HT	5' SPR	F, SP	Native	2" Caliper
PALMS	QTY	BOTANICAL NAME	COMMON NAME	CONTAINER	HEIGHT	WIDTH	NOTES	NATIVE	CALIPER
SP	51	Sabal palmetto	Sabal Palm	FG	10-18' CT	CT W	HY/CAL SP	Native	
COG MINIMAM (SHRUBS)	QTY	BOTANICAL NAME	COMMON NAME	CONTAINER	HEIGHT	WIDTH	NOTES	NATIVE	CALIPER
COG	275	Chrysanthemum leucanthemum	Real Tip Chrysanthemum	30"	30" HT	24" W	FTB, 30" O.C.	Native	
COG	275	Chrysanthemum leucanthemum	Real Tip Chrysanthemum	70"	30" GA	30" W	FTB	Native	
COG	63	Conocarpus erectus	Caribbean Sea Palm	30"	24" HT	24" W	FTB, 30" O.C.	Native	
GAG	35	Gaillardia glauca	Thumbelina	30"	24" HT	18" W	FTB, 30" O.C.	Non-native	
HF	60	Helianthus scaberrimus	Native Freziera	30"	24" HT	18" W	FTB, 30" O.C.	Native	
JAT	7	Jatropha integrifolia	Jatropha	18"	4' HT	3" W	STD, SP	Non-native	
MFL	73	Myrsine floridana	Strawberry Stopper	30"	24" HT	4" W	FTB	Native	
MFP	76	Myrsine floridana	Strawberry Stopper	30"	24" HT	24" W	FTB, 30" O.C.	Native	
INC	71	Impatiens capensis	White Impatiens	30"	24" HT	24" W	FTB, 30" O.C.	Native	
PNE	151	Psychotria nervosa	Wild Coffee	30"	24" HT	18" W	FTB, 30" O.C.	Non-native	
RSC	25	Ruellia strepera	Wild Petunia	30"	24" HT	24" W	FTB, 30" O.C.	Native	
RSC	25	Ruellia strepera	Wild Petunia	30"	24" HT	24" W	FTB, 30" O.C.	Native	
VOV	32	Viburnum coccineum	Wax Viburnum	70"	30" HT	24" W	FTB	Native	
SHRUB AREAS	QTY	BOTANICAL NAME	COMMON NAME	CONTAINER	HEIGHT	WIDTH	NOTES	NATIVE	CALIPER
COG	121	Chrysanthemum leucanthemum	Real Tip Chrysanthemum	30"	18" HT	18" W	Full	Native	30" c.c.
TRC	121	Triplaris dactyloides	Fatouha Grass	30"	24" GA	18" W	Full	Native	48" c.c.
GRASSES	QTY	BOTANICAL NAME	COMMON NAME	CONTAINER	HEIGHT	WIDTH	NOTES	NATIVE	CALIPER
BEU	335	Bouteloua curtipendula	Beakgrass	30"	30" HT	30" W	F	Native	30" c.c.
SPS	335	Spartina patens	Sand Cordgrass	30"	24" HT	4" W	F	Native	30" c.c.
GROUND COVERS	QTY	BOTANICAL NAME	COMMON NAME	CONTAINER	HEIGHT	WIDTH	NOTES	NATIVE	CALIPER
ISF	50	Ischaemum setosum	Green Island	12" HT	12" W	12" W	Full	Native	18" c.c.
LSV	50	Leptocarpus tenax	Deerfoot	12" HT	12" W	12" W	Full	Native	18" c.c.
ALP	50	Asplenium platyneuron	Rock Fern	12" HT	12" W	12" W	Full	Native	24" c.c.



Project Team:
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 Traffic Engineer: Stephen Cooper, P.E. & Associates, Inc., 1426 South Federal Highway, Port St. Lucie, Florida 34952
 Environmental Consultant: DLS Environmental Services, Inc., 1601 SW Industrial, Port St. Lucie, Florida 34953



Existing Landscape to be Removed:

-  Existing Eucalyptus Tree to be Removed
-  Existing Queen Palm to be Removed

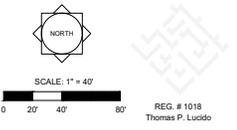
Existing Landscape to Remain:

-  Existing Oak Tree to Remain
-  Existing Pine Tree to Remain
-  Existing Sabal Palm to Remain

Landscape Notes:
 - Existing Tree and Palm locations are approximate.
 - Any new landscaping material is to be field located as to avoid conflict with existing landscape that is to remain.
 - All prohibited exotic or invasive species shall be removed from the entire site prior to the issuance of a Certificate of Occupancy.

Martin Downs PUD Portion of Parcel 29
 known as
Meridian Marina
 fka
Martin Downs Marina Village
 Martin County, Florida
 Existing Conditions

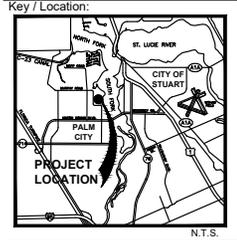
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REG. # 1018
 Thomas P. Lucido
 Designer: S.L.S. Sheet
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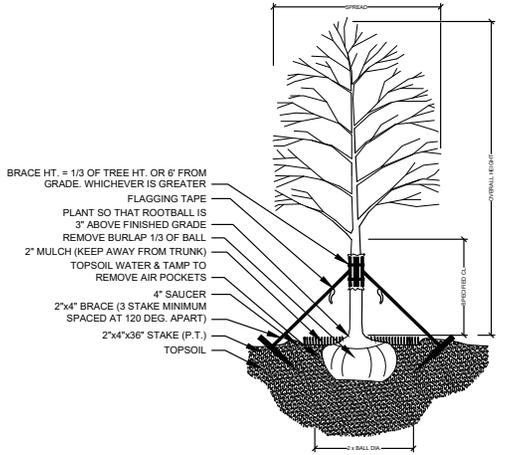
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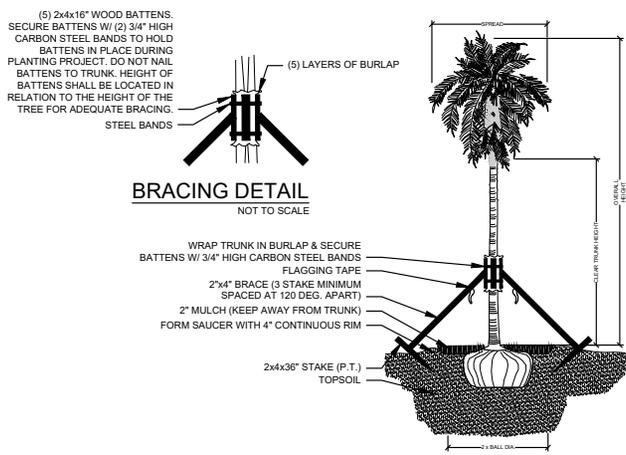


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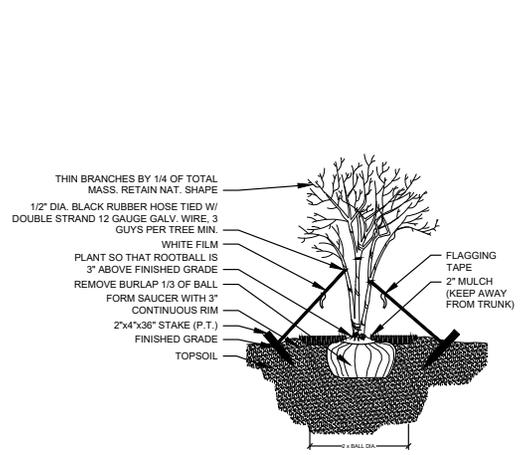
Client & Property Owner:	AC Meridian Marina, LLC 1405 SW Chopwater Way Palm City, Florida 34996
Planners:	Lucido & Associates Landscape Architecture & Landscape Architects 701 East Colonial Boulevard Burlington, Florida 34994
Engineer:	Stephen Cooper, P.E. & Associates, Inc. 1405 South Federal Highway Port St. Lucie, Florida 34952
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Environmental Consultant:	DLS Environmental Services, Inc. 1601 SW Waldenway Port St. Lucie, Florida 34953



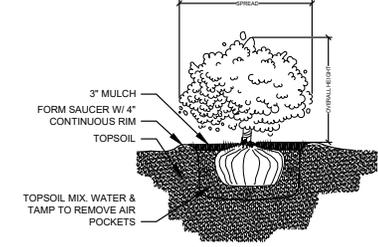
TREE PLANTING & STAKING
NOT TO SCALE



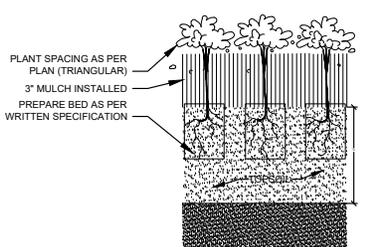
PALM PLANTING - ANGLE STAKE
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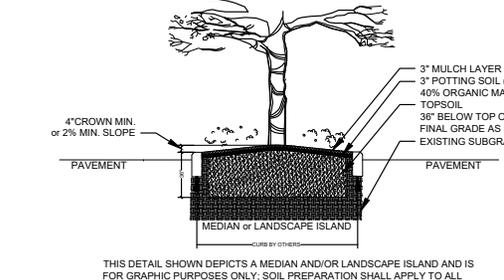
MULTI-TRUNK PLANTING & GUYING
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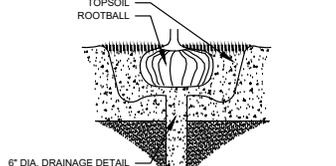
SHRUB PLANTING
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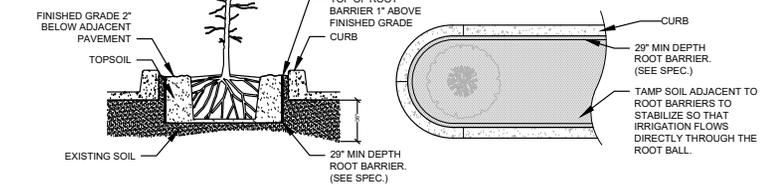
GROUNDCOVER PLANTING DETAIL
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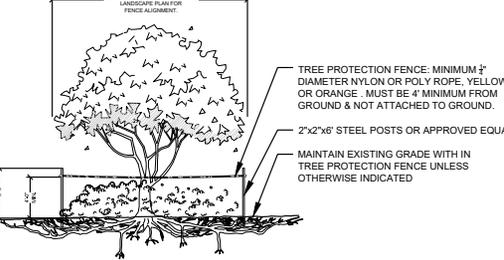
LANDSCAPE AREA PREPARATION DETAIL
NOT TO SCALE



DRAINAGE TESTING DETAIL
NOT TO SCALE



SPECIAL APPLICATIONS ROOT BARRIER DETAIL
NOT TO SCALE



TREE PROTECTION BARRICADE
NOT TO SCALE

DRAINAGE TESTING/DRAINAGE CHANNEL REQUIREMENTS.

- PRIOR TO PLANTING, ALL PLANTING PITS SELECTED FOR TESTING SHALL BE TESTED IN THE FOLLOWING MANNER.
- DIG EACH PLANTING PIT TO THE MINIMUM SPECIFIED SIZE.
 - FILL PLANTING PIT WITH TWELVE INCHES (12") OF WATER. IF THE WATER LEVEL DROPS FOUR (4") OR MORE WITHIN FOUR (4) HOURS, THE DRAINAGE IS SUFFICIENT AND A DRAINAGE CHANNEL IS NOT REQUIRED. IF THE WATER LEVEL DROPS LESS THAN FOUR INCHES (4") WITHIN THE FOUR (4) HOUR PERIOD, A DRAINAGE CHANNEL IS REQUIRED.
 - WHERE REQUIRED, THE DRAINAGE CHANNEL MUST EXTEND DOWN THROUGH THE NON POROUS SOIL AND INTO POROUS SOIL. (SEE DETAIL).
 - ALL MATERIAL REMOVED FROM THE DRAINAGE CHANNEL SHALL BE DISCARDED.
 - WHEN BACKFILLING PLANTING PITS WITH NATIVE TOPSOIL, CARE MUST BE TAKEN TO KEEP THE CONSISTENCY OF THE SOIL MIX THE SAME THROUGHOUT THE PLANTING PIT AND DRAINAGE CHANNEL.

REG. # 1018
Thomas P. Lucido

SCALE: 1" =

Designer	S.L.S.	Sheet
Manager	M.C.	
Project Number	21-125	LA4
Municipal Number	---	
Computer File	-----	

NOTES:
 1- ROOT BARRIER SHALL BE "BIO-BARRIER 29" DEPTH OR APPROVED EQUAL.
 2- ROOT BARRIER SHALL BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS AND RECOMMENDATIONS.

NOTES:
 1- SEE LANDSCAPE PLAN FOR FENCE ALIGNMENT.
 2- NO PRUNING SHALL BE PERFORMED EXCEPT BY APPROVED ARBORIST.
 4- NO EQUIPMENT SHALL OPERATE INSIDE THE PROTECTIVE FENCING INCLUDING DURING FENCE INSTALLATION AND REMOVAL.

