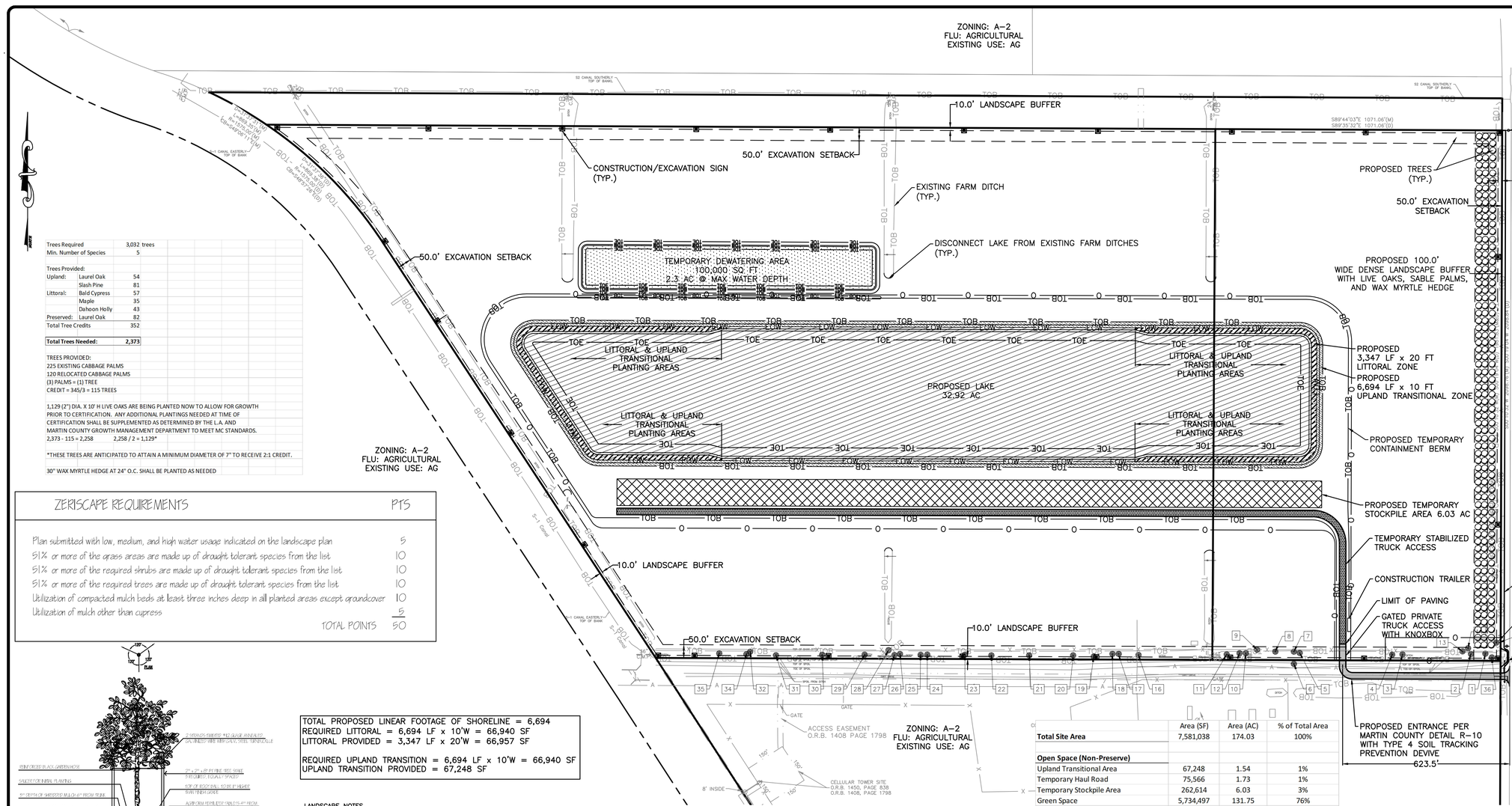


Trees Required		3,032 trees
Min. Number of Species		5
Trees Provided:		
Upland:	Laurel Oak	54
	Slash Pine	81
Littoral:	Bald Cypress	57
	Maple	35
	Dahoon Holly	43
Preserved:	Laurel Oak	82
Total Tree Credits		352
Total Trees Needed:		**2,373**

TREES PROVIDED:
225 EXISTING CABBAGE PALMS
120 RELOCATED CABBAGE PALMS
(3) PALMS = (1) TREE
CREDIT = 345/3 = 115 TREES

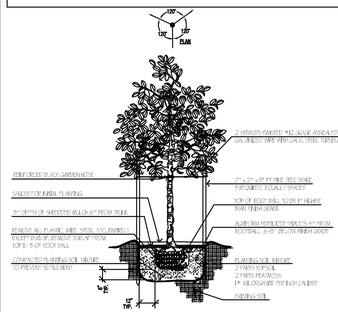
1,129 (2") DIA. X 10' H LIVE OAKS ARE BEING PLANTED NOW TO ALLOW FOR GROWTH PRIOR TO CERTIFICATION. ANY ADDITIONAL PLANTINGS NEEDED AT TIME OF CERTIFICATION SHALL BE SUPPLEMENTED AS DETERMINED BY THE L.A. AND MARTIN COUNTY GROWTH MANAGEMENT DEPARTMENT TO MEET MC STANDARDS.
2,373 - 115 = 2,258 2,258 / 2 = 1,129*

*THESE TREES ARE ANTICIPATED TO ATTAIN A MINIMUM DIAMETER OF 7" TO RECEIVE 2:1 CREDIT.

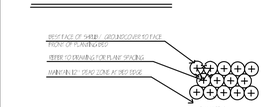
30" WAX MYRTLE HEDGE AT 24" O.C. SHALL BE PLANTED AS NEEDED

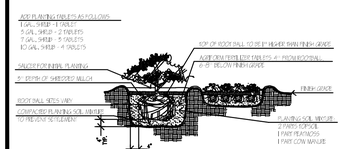
ZERISCAPE REQUIREMENTS

	PTS
Plan submitted with low, medium, and high water usage indicated on the landscape plan	5
51% or more of the grass areas are made up of drought tolerant species from the list	10
51% or more of the required shrubs are made up of drought tolerant species from the list	10
51% or more of the required trees are made up of drought tolerant species from the list	10
Utilization of compacted mulch beds at least three inches deep in all planted areas except groundcover	10
Utilization of mulch other than cypress	5
TOTAL POINTS	50



TREE PLANTING DETAIL NTS





SHRUB / GROUNDCOVER PLANTING DETAIL NTS

TOTAL PROPOSED LINEAR FOOTAGE OF SHORELINE = 6,694
REQUIRED LITTORAL = 6,694 LF x 10'W = 66,940 SF
LITTORAL PROVIDED = 3,347 LF x 20'W = 66,957 SF

REQUIRED UPLAND TRANSITION = 6,694 LF x 10'W = 66,940 SF
UPLAND TRANSITION PROVIDED = 67,248 SF

LANDSCAPE NOTES

ALL LANDSCAPE MATERIAL TO BE FLA. #1 OR BETTER

NATIVE SEED TO BE INSTALLED UPON REMEDIATION OF DISTURBED AREAS SUCH AS DEWATERING AREA, STOCKPILE AREA AND ACCESS ROAD.

MALALEUCA OR EUCALYPTUS MULCH (NO CYPRESS) AS REQUIRED TO 3" THICKNESS MINIMUM IN ALL PLANT BEDS.

ALL PROHIBITED, EXOTIC AND INVASIVE SPECIES SHALL BE REMOVED FROM ENTIRE SITE PRIOR TO ISSUANCE OF CERTIFICATE OF OCCUPANCY. (CODE 4.664, LDR)

LANDSCAPE MATERIAL STANDARDS SHALL BE FOLLOWED AS SPECIFIED IN SECTION4.663, LDR, MARTIN COUNTY CODES.

CYPRESS MULCH MAY NOT BE USED AS A MULCHING MATERIAL. (CODE 4.663.C, LDR)

IF NECESSARY TO OBTAIN REQUIRED CAPACITY ALONG PERIMETER BUFFERS SUPPLEMENTARY UNDERSTORY AND/OR TREES MAY BE REQUIRED, PLEASE REFER TO SUPPLEMENTAL SPECIES LIST.

IRRIGATION NOTES

FULLY AUTOMATIC IRRIGATION SYSTEM TO PROVIDE 100% COVERAGE IN 15 MPH WIND

INSTALL BUBBLERS ON ALL TREES = LOW WATER USAGE

INSTALL RAIN SENSOR OVER-RIDE DEVICE AT IRRIGATION TIME CLOCK

WATER SOURCE TO BE ON-SITE WELL

PROTECTION OF REQUIRED LANDSCAPING.

1. ENCROACHMENT INTO REQUIRED BUFFERYARDS AND LANDSCAPED AREAS BY VEHICLES, BOATS, MOBILE HOMES OR TRAILERS SHALL NOT BE PERMITTED, AND REQUIRED LANDSCAPED AREAS SHALL NOT BE USED FOR THE STORAGE OR SALE OF MATERIALS OR PRODUCTS OR THE PARKING OF VEHICLES AND EQUIPMENT.
2. TREE PROTECTION SHALL REMAIN IN PLACE THROUGHOUT THE DURATION OF CONSTRUCTION. TREE PROTECTION MUST BE INSPECTED WEEKLY, WITH REPAIRS AND MAINTENANCE. UPON FAILURE OF THE SILT FENCE, IT SHALL BE NECESSARY TO REPLACE.

MAINTENANCE OF REQUIRED LANDSCAPING.

1. REQUIRED LANDSCAPING SHALL BE MAINTAINED SO AS TO AT ALL TIMES PRESENT A HEALTHY, NEAT AND ORDERLY APPEARANCE, FREE OF REFUSE AND DEBRIS. IF VEGETATION WHICH IS REQUIRED TO BE PLANTED DIES IT SHALL BE REPLACED WITH EQUIVALENT VEGETATION. ALL TREES FOR WHICH CREDIT WAS AWARDED AND WHICH SUBSEQUENTLY DIE, SHALL BE REPLACED BY THE REQUISITE NUMBER OF LIVING TREES ACCORDING TO THE STANDARDS ESTABLISHED IN THE MARTIN COUNTY LANDSCAPE CODE.
2. ALL LANDSCAPING SHALL BE MAINTAINED FREE FROM DISEASE, PESTS, WEEDS AND LITTER. MAINTENANCE SHALL INCLUDE WEEDING, WATERING, FERTILIZING, PRUNING, MOWING, EDGING, MULCHING OR OTHER MAINTENANCE, AS NEEDED AND IN ACCORDANCE WITH ACCEPTABLE HORTICULTURAL PRACTICES. PERPETUAL MAINTENANCE SHALL BE PROVIDED TO PROHIBIT THE REESTABLISHMENT OF HARMFUL EXOTIC SPECIES WITHIN LANDSCAPING AND PRESERVATION AREAS.
3. REGULAR LANDSCAPE MAINTENANCE SHALL BE PROVIDED FOR REPAIR OR REPLACEMENT, WHERE NECESSARY, OF ANY SCREENING OR BUFFERING REQUIRED AS SHOWN ON THIS PLAN. REGULAR LANDSCAPE MAINTENANCE SHALL BE PROVIDED FOR THE REPAIR OR REPLACEMENT OF REQUIRED WALLS, FENCES OR STRUCTURES TO A STRUCTURALLY SOUND CONDITION AS SHOWN ON THIS PLAN.
4. THE PROPERTY OWNER IS RESPONSIBLE FOR REPLACING ANY REQUIRED LANDSCAPING IN EASEMENT AREAS THAT MAY BE DISTURBED BY FUTURE MAINTENANCE.

LEGEND

- 24' STABILIZED ACCESS ROAD
- 24' PAVED ACCESS ROAD
- PROPOSED CLEARING AREA
- LITTORAL ZONE
- EQUESTRIAN TRAIL
- CONSTRUCTION WARNING/ EXCAVATION SIGNS
- EXISTING TREES
- PROPOSED TREES
- TOB — TOP OF BANK
- TOE — TOE OF SLOPE
- EOW — EOW — EDGE OF WATER
- SETBACK/BUFFER
- RIGHT OF WAY
- PROPERTY LINE

	Area (SF)	Area (AC)	% of Total Area
Total Site Area	7,581,038	174.03	100%
Open Space (Non-Preserve)			
Upland Transitional Area	67,248	1.54	1%
Temporary Haul Road	75,566	1.73	1%
Temporary Stockpile Area	262,614	6.03	3%
Green Space	5,734,497	131.75	76%
Total Open Space	6,139,925	141.06	81%
Impervious Area			
Construction Trailer	600	0.01	0%
Lake @ EOW	1,434,041	32.92	19%
Road	1,472	0.03	0%
Total Impervious Area	1,436,113	32.97	19%
Required Open Space			50%
Provided Open Space			81%

NATIVE SEEDING FOR DISTURBED AREAS

Native seed shall come from Central or South Florida and be harvested from a Flatwoods Ecosystem. The bulk of the harvest material should be wiregrass and contain Andropogons and other species that would be conducive to the anticipated soil moisture of the recipient site. Application rate is generally 15-20# seed per acre. One source for the seeding is The Natives, Inc. at 863-422-6664 or paul@thenatives.net. Seed species to be from the following list:

SCIENTIFIC NAME	COMMON NAME
Andropogon brachystachyus	Short-spike bluestem
Andropogon glomeratus	Bluestem
Andropogon glomeratus var. glaucopsis	Chalky bluestem
Andropogon ternarius	Splitbeard bluestem
Andropogon virginicus	Bluestem
Andropogon virginicus var. glauca	Chalky bluestem
Aristida stricta	Wiregrass
Coreopsis leavenworthii	Leavenworth's goldenrod
Elephantopus elatus	Elephant's foot
Eragrostis elliotti	Elliott's lovegrass
Eragrostis spectabilis	Purple lovegrass
Eragrostis virginica	Coastal lovegrass
Liatris sp.	Blazing star
Panicum anceps	Beaked panicum
Pityopsis graminifolia var. tracyi	Grass-leaved aster
Rudbeckia hirta	Black-eyed susan
Solidago sp.	Goldenrod
Sorgastrum secundum	Lopsided indiangrass

Existing Tree Preservation / Credits

Type	DBH	Credits
1 Laurel Oak	15	3
2 Laurel Oak	9	2
3 Laurel Oak	5	1
4 Laurel Oak	9	6
5 Laurel Oak	15	3
6 Laurel Oak	5	2
7 Laurel Oak	7	3
8 Laurel Oak	13	2
9 Laurel Oak	10	4
10 Laurel Oak	19	3
11 Laurel Oak	17	
12 Woman's Tongue	NA	5
13 Laurel Oak	28	2
14 Laurel Oak	12	3
15 Laurel Oak	15	1
16 Laurel Oak	4	1
17 Laurel Oak	4	1
18 Laurel Oak	8	2
19 Laurel Oak	17	3
20 Laurel Oak	11	2
21 Laurel Oak	10	2
22 Laurel Oak	16	3
23 Laurel Oak	5	1
24 Laurel Oak	6	1
25 Laurel Oak	7	2
26 Laurel Oak	12	2
27 Laurel Oak	15	3
28 Laurel Oak	4	1
29 Laurel Oak	4	1
30 Laurel Oak	22	4
31 Laurel Oak	10	2
32 Laurel Oak	13	3
33 Laurel Oak	6	1
34 Laurel Oak	10	2
35 Laurel Oak	12	2
36 Laurel Oak	14	3
	389	82

MC320
MARTIN COUNTY, FLORIDA

NO.	DATE:	REVISION:	BY
1	4-16-20	REVISED PER SFWMD & MARTIN COUNTY	DW
2	2-27-20	REVISED PER COUNTY STAFF REPORT	DW

CALL 48 HOURS BEFORE YOU DIG 811

400 200 0 200
(IN FEET)
1 inch = 200 ft.
VERTICAL DATUM NAVD 88

DRAWN: D.W. 9-6-2019
PROJECT: M0609
FILE: LANDSCAPE.dwg

THE MILCOR GROUP, INC.
CIVIL ENGINEERS
10975 SE FEDERAL HIGHWAY
HOBE SOUND, FL 33455

725 SE PORT ST LUCIE BLVD
UNIT 104
PORT ST. LUCIE, FL 34984

PH: (772) 223-8850
FAX: (772) 223-8851

WWW.THEMILCORGROUP.COM

CERTIFICATE OF AUTHORIZATION: 28246

LANDSCAPE PLAN

MC320
MARTIN COUNTY, FLORIDA

SHEET NO.
1

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