

CLOVER TOWNHOMES					
DRAINAGE STRUCTURE TABLE					
DRAINAGE STRUCTURE	USE	FDOT INDEX	FDOT TYPE	SIZE (FT)	RIM (ft)
3	CONTROL STRUCTURE	425-052	C	24X36	6.65
4	FLARED END SECTION	430-020		15"	
7	GUTTER INLET	425-041	V		6.84
8	GUTTER INLET	425-041	V		6.99
9	AREA INLET	425-052	C	24X36	6.7
10	AREA INLET	425-052	C	24X36	6.7

ROOF DRAINS
ALL BUILDING WILL BE FULLY GUTTERED ON ALL SIDES.
DOWNSPOUTS IN THE FRONT SHALL BE DIRECTED TO THE ON SITE STORMWATER POND.

CLOVER TOWNHOMES STORMSEWER TABLE							
STORMS	LENGTH	SIZE		UPPER INVERT	LOWER INVERT	SLOPE	MATERIAL
	(ft)	(in)		(ft)	(ft)	(%)	
SS-3	24	14x23	W	4.4	4.35	E	0.21% ERCP
SS-4	26	14x23	W	4.35	4.30	E	0.19% ERCP
SS-5	60	18	W	4.30	4.25	E	0.08% RCP
SS-6	5	18	S	4.25	4.20	N	1.00% RCP
SS-7	32	15	W	1.60	1.50	E	0.31% RCP

CUT AND FILL DATA
TOTAL IMPORT FILL REQUIRED: 2,700 CY
TRUCK LOADS PER DAY MAX: 25

HATCH PAVEMENT LEGEND	
	PROPOSED FULL DEPTH ASPHALT PER COUNTY EXHIBIT 1
	6" CONCRETE PAVEMENT MIN. 3,000 PSI AT 28 DAYS

DRAWN
DESIGN
CHECKED
APPROVED
D.C.

R. KERN
R. KERN
R. KERN

RICHARD J. KERN, P.E.
FLORIDA REGISTRATION #39797
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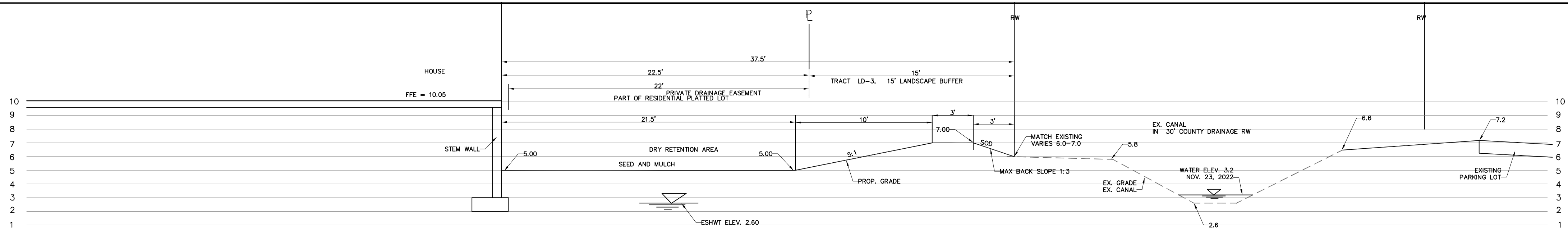
3-11-24

RK ENGINEERING & ASSOCIATES, INC.
CONSULTING ENGINEERING AND LAND PLANNING
3206 S. HOPKINS AVE., UNIT 70
TITUSVILLE, FLORIDA 32780
PHONE: (321) 544-7466 EMAIL: rick@rkcivildesign.com

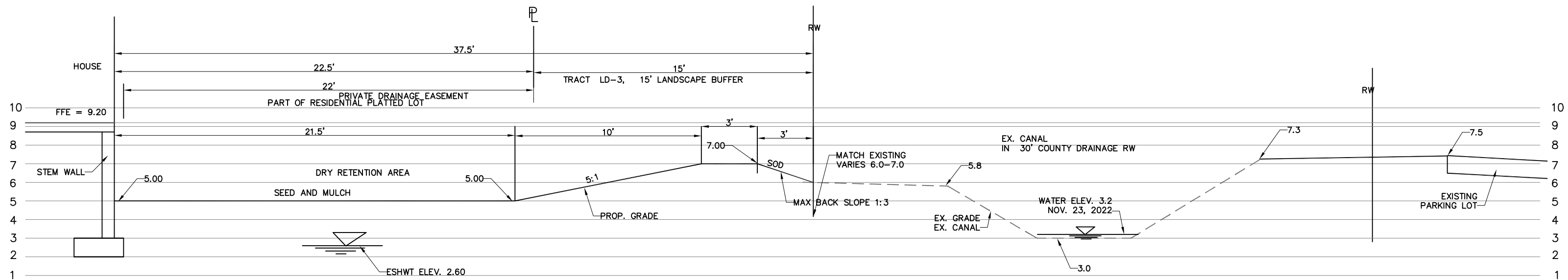
CLOVER TOWNHOOMES
MERRITT ISLAND, FLORIDA

PAVING, GRADING AND DRAINAGE
PLAN

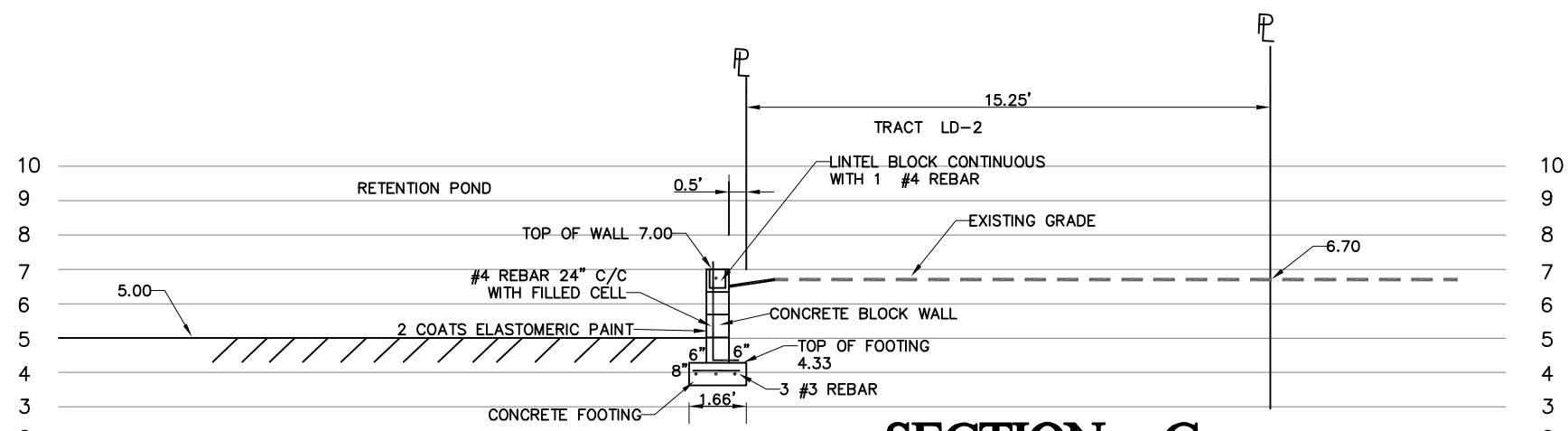
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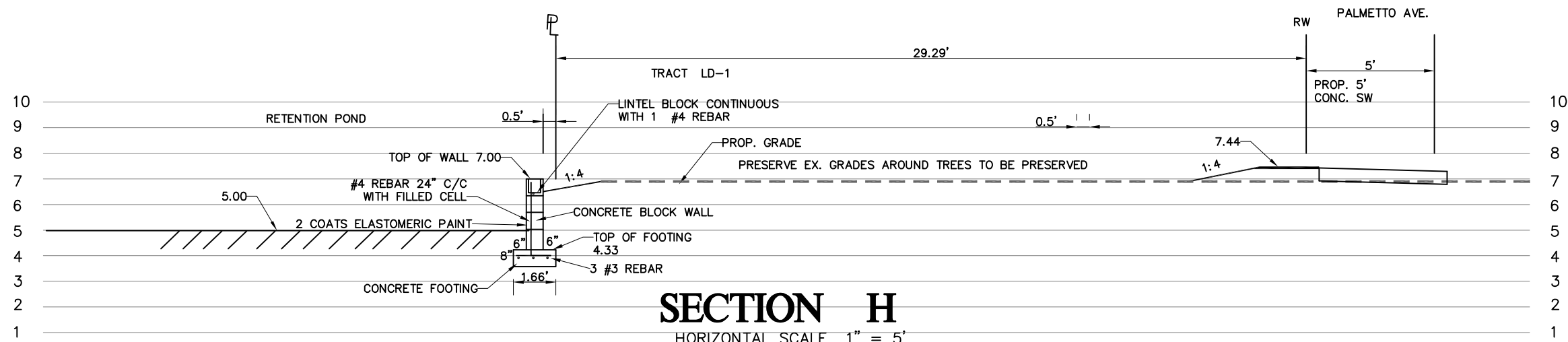
SECTION A
HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1"=5'



SECTION K
HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1"=5'



SECTION G
HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1"=5'



SECTION H
HORIZONTAL SCALE: 1" = 5'
VERTICAL SCALE: 1"=5'

DRAWN: R. KERN
DESIGN: R. KERN
CHECKED: R. KERN
APPROVED: _____
D.C. _____

RICHARD J. KERN, P.E.
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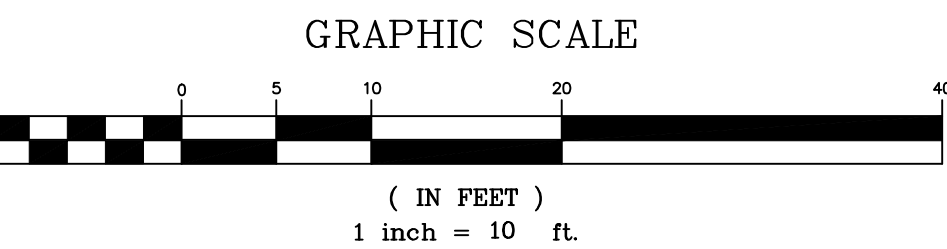
8-14-23

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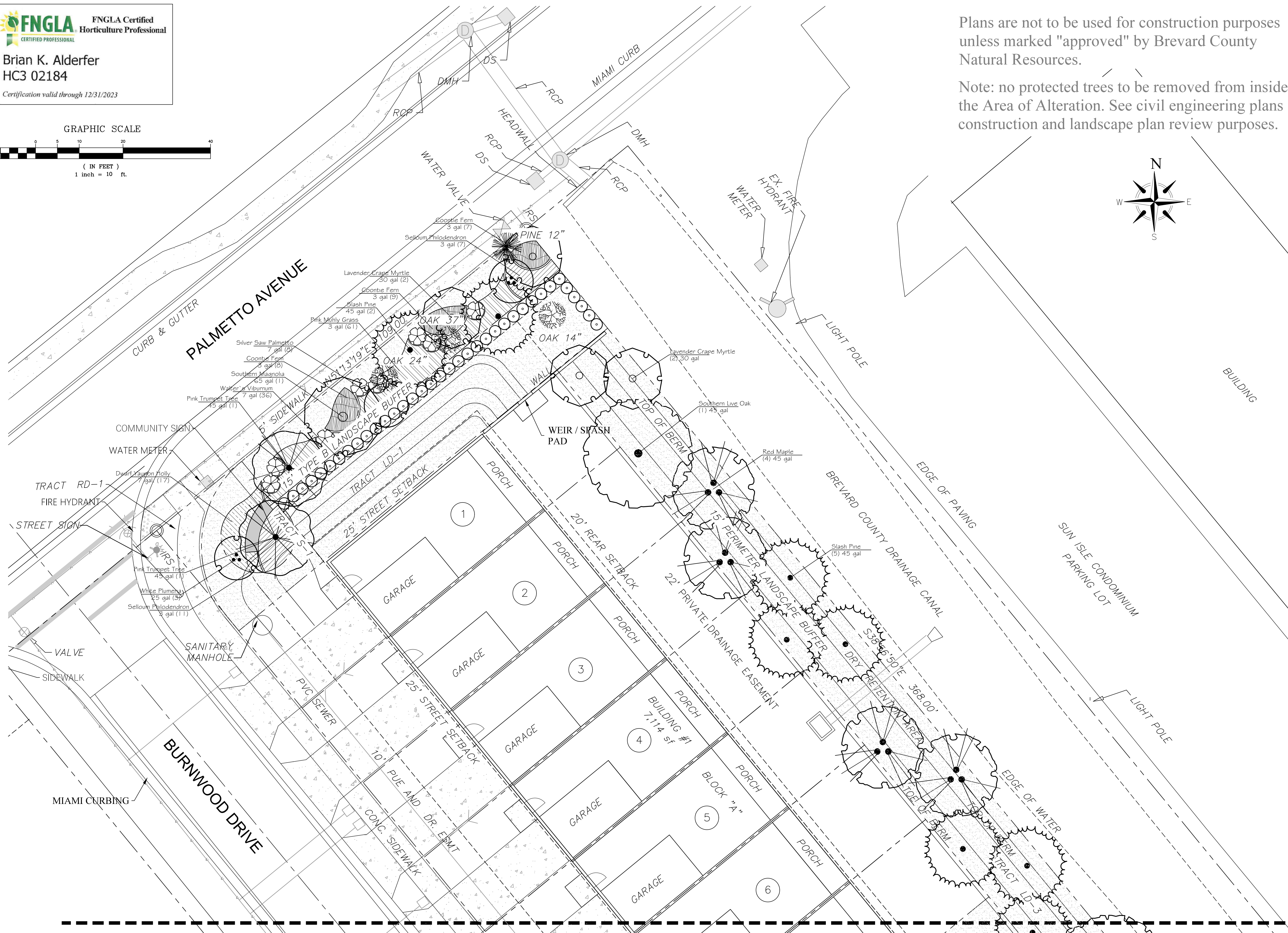
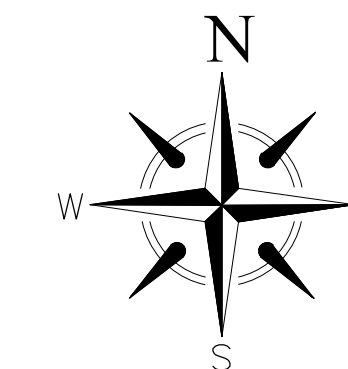
CLOVER TOWNHOMES
MERRITT ISLAND, FLORIDA

PAVING, GRADING AND DRAINAGE
DETAILS AND SECTIONS

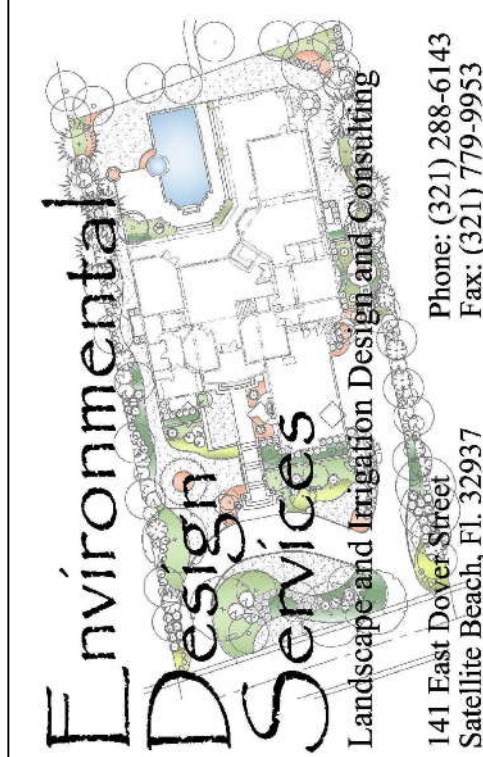
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NO	DATE	REVISIONS	APPROVED BY	SHT. 41 OF 41



Note: no protected trees to be removed from inside of the Area of Alteration. See civil engineering plans for construction and landscape plan review purposes.



Matchline (see sheet L-2)



REVISIONS:		Original Drawing Issue Date:	
No.	Date	Description	By BKA
1.	2-11-24	Per Base Changes / ALEP requirements	
2.			
3.			
4.			
5.			
6.			
7.			

Project:

Clover
Townhomes

Location:

Brevard County,
Florida

Landscape Plan


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Sheet #: **L-1**

Project No.	00-0000
Drawn By:	BKA
Designed By:	BKA
Checked By:	BKA
Drawing Scale:	1"=10'

Sheet 1 of 6

Matchline (see sheet L-1)



FNGLA

CERTIFIED PROFESSIONAL

FNGLA Certified Horticulture Professional

Brian K. Alderfer

HC3 02184

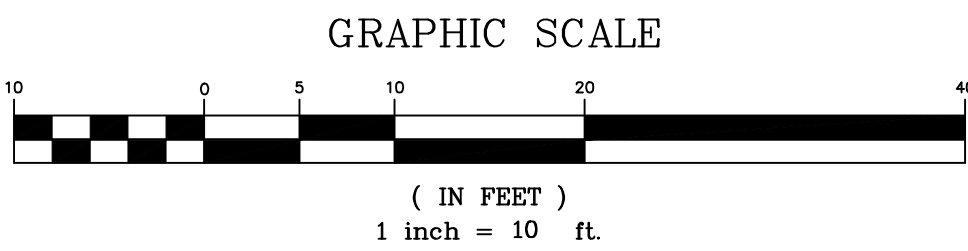
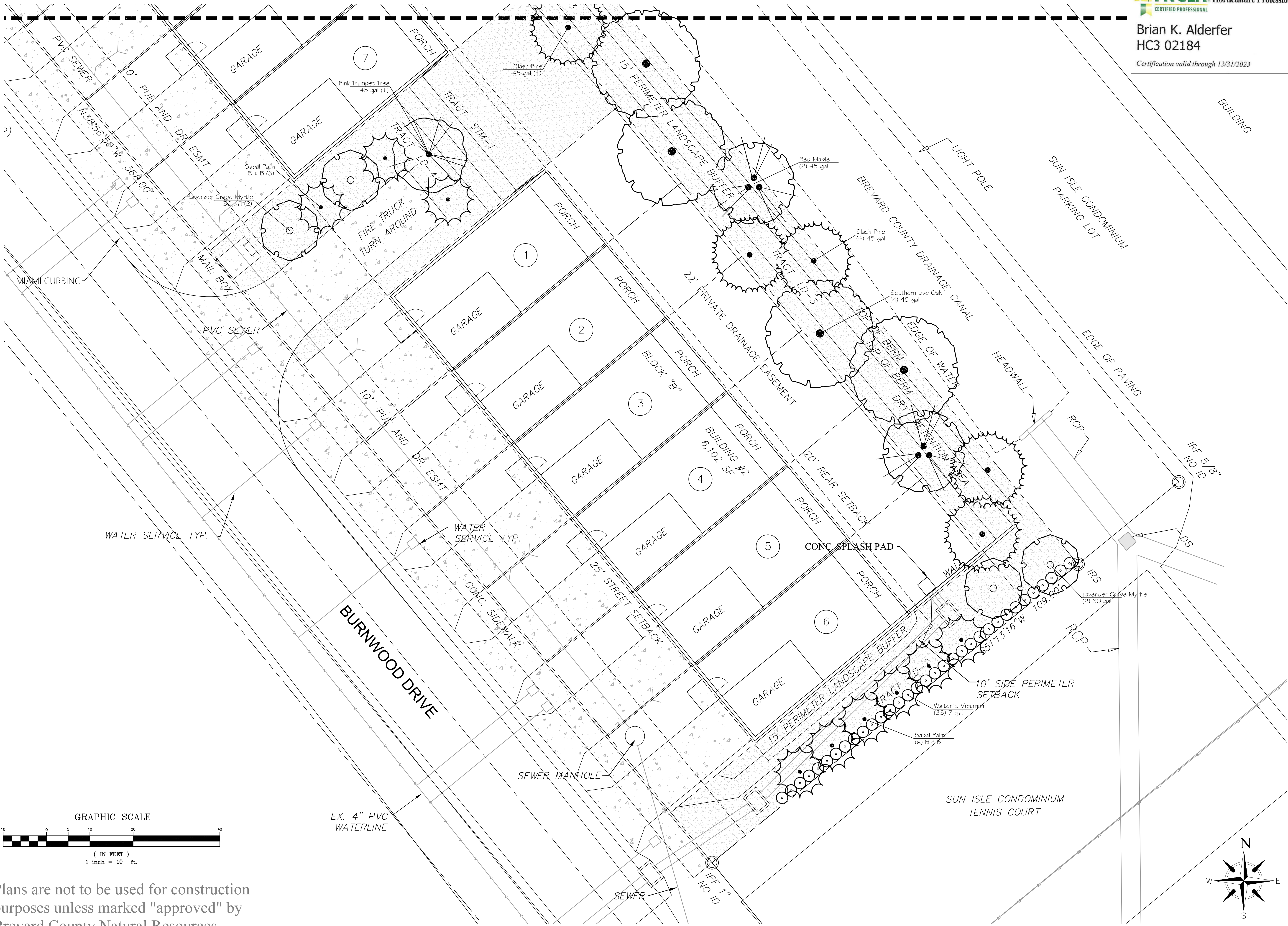
Certification valid through 12/31/2023

Environmental Design Services

Landscape and Irrigation Design and Consulting

141 East Dover Street
Satellite Beach, FL 32957

Phone: (321) 288-6143
Fax: (321) 779-9953



Plans are not to be used for construction purposes unless marked "approved" by Brevard County Natural Resources.

Original Drawing 5-26-23
Issue Date:

REVISIONS:	No.	Date	Description	By
				Per Base Changes / ALEP requirements
	1.	2-11-24		By BKA
	2.			
	3.			
	4.			
	5.			
	6.			
	7.			

Project:
Clover Townhomes

Location:
Brevard County, Florida

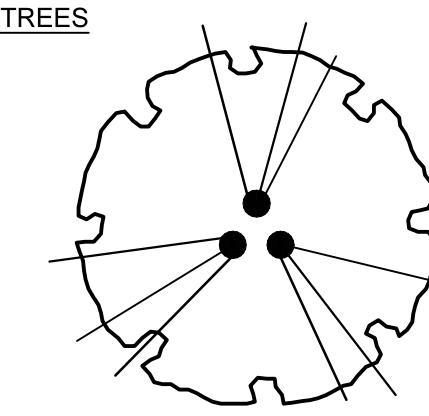
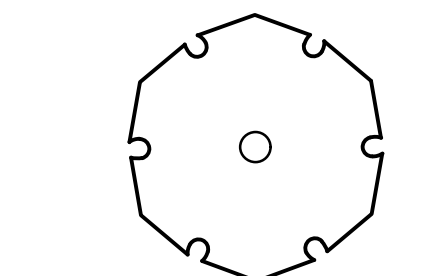
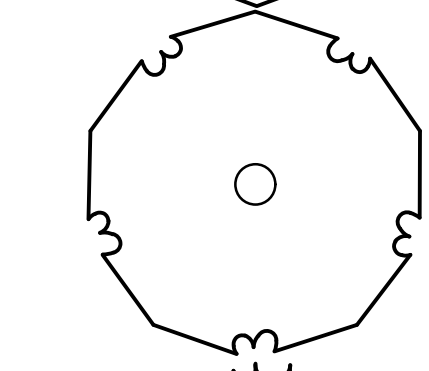
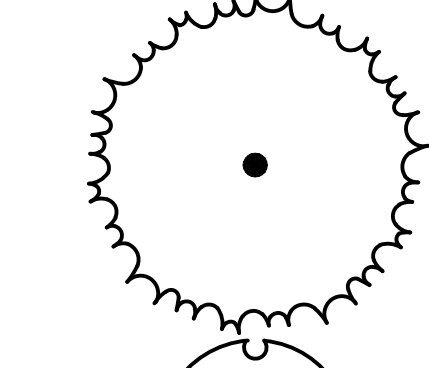
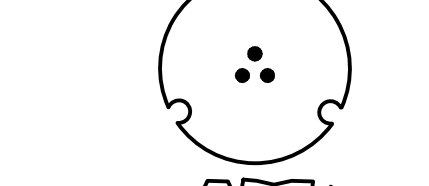
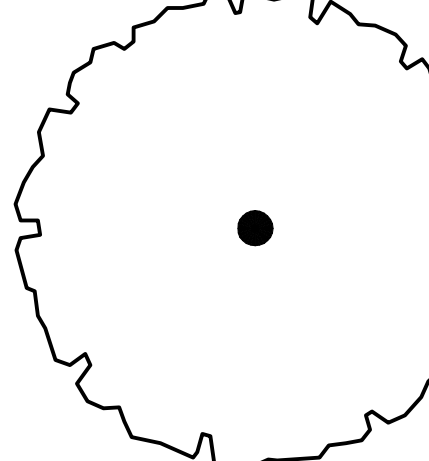
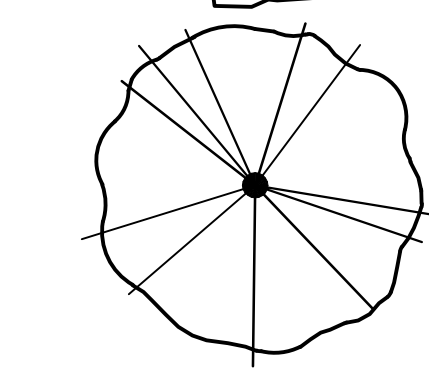
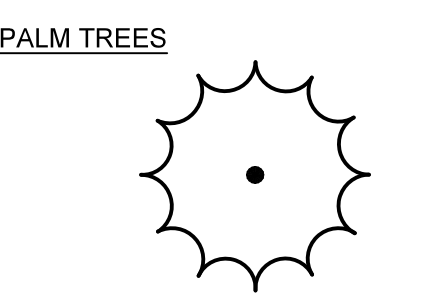
Landscape Plan


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Sheet #:
L-2

Project No.	00-0000
Drawn By:	BKA
Designed By:	BKA
Checked By:	BKA
Drawing Scale:	1"=10'

PLANT SCHEDULE

SYMBOL	COMMON / BOTANICAL NAME	CONT	CAL	SIZE	QTY	REMARKS
TREES						
	Red Maple / <i>Acer rubrum</i>	45 gal	2.5"Cal	12' ht. x 5' sprd.	6	
	Lavender Crape Myrtle / <i>Lagerstroemia indica</i> 'Muskogee'	30 gal	multi-trunk, 2.5" combined	8' ht. x 4'sprd.	8	standard
	Southern Magnolia / <i>Magnolia grandiflora</i>	65 gal	3"Cal	12' ht. x 5' sprd.	1	standard
	Slash Pine / <i>Pinus elliotti</i>	45 gal	2.5"Cal	12' ht. x 4' sprd.	12	
	White Plumeria / <i>Plumeria obtusa</i> 'White'	25 gal	1.5"Cal	8' ht x 3' sprd.	3	standard
	Southern Live Oak / <i>Quercus virginiana</i>	45 gal	2.5"Cal	12' ht. x 5' sprd.	5	
	Pink Trumpet Tree / <i>Tabebuia heterophylla</i>	45 gal	2"Cal	10' ht. x 3' sprd.	3	
PALM TREES						
	Sabal Palm / <i>Sabal palmetto</i>	B & B	Debooted	10'-14' C.T.	9	staggered heights



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HC3 02184

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PLANT SCHEDULE

<u>SYMBOL</u>	<u>COMMON / BOTANICAL NAME</u>	<u>SIZE</u>	<u>QTY</u>	<u>REMARKS</u>	
SHRUBS					
	Silver Saw Palmetto / <i>Serenoa repens</i> 'Cinerea'	7 gal	8	24"-30"	
	Walter's Viburnum / <i>Viburnum obovatum</i>	7 gal	69	36" minimum	
<u>SYMBOL</u>	<u>COMMON / BOTANICAL NAME</u>	<u>CONT</u>	<u>SPACING</u>	<u>QTY</u>	<u>REMARKS</u>
SHRUB AREAS					
	Dwarf Yaupon Holly / <i>Ilex vomitoria</i> 'Nana'	7 gal.	30" o.c.	17	15"-18"
	Pink Muhly Grass / <i>Muhlenbergia capillaris</i>	3 gal	30" o.c.	61	18"-24"
	Selloum Philodendron / <i>Philodendron selloum</i>	3 gal	36" o.c.	18	18"-24"
	Coontie Fern / <i>Zamia floridana</i>	3 gal	30" o.c.	24	12"-15"

ALEP Landscape Calcualtions

Site Data

0.92 Acres

Area of Alteration

40075 s.f.

Required sqare footatge of tree plantings

40075 * 25% = 10019 s.f.

Required square footatge of canopy preservation

N/A NO PROTECTED TREES TO BE REMOVED

QTY	BOTANICAL NAME	SQUARE FEET	SQUARE FEET PROVIDED
3	Pink Trumpet Tree	552	1656
9	Crape Myrtle	79	711
1	Southern Magnolia	241	241
12	Slash Pine	363	4356
3	White Plumeria	104	312
5	Southern Live Oak	1530	7650
9	Sabal palmetto	33	297
		Total	15223

Required Shrub Planting

0.92 * 125 = 115

Provided shrub plantings

264

Notes:

50%+ of shrubs and groundcovers are considered native or "Water Wise"

Minimum trees required

1.00 * 5 = 5

Provided Trees

42

50%+ of Trees and Palms are considered native

15' Type 'B' landscape buffer required along Highway US 1.

Total frontage: 110 l.f.

PLANTINGS REQUIRED

Group 1 plants	28
Group 2 plants	5
Group 3 plants	37

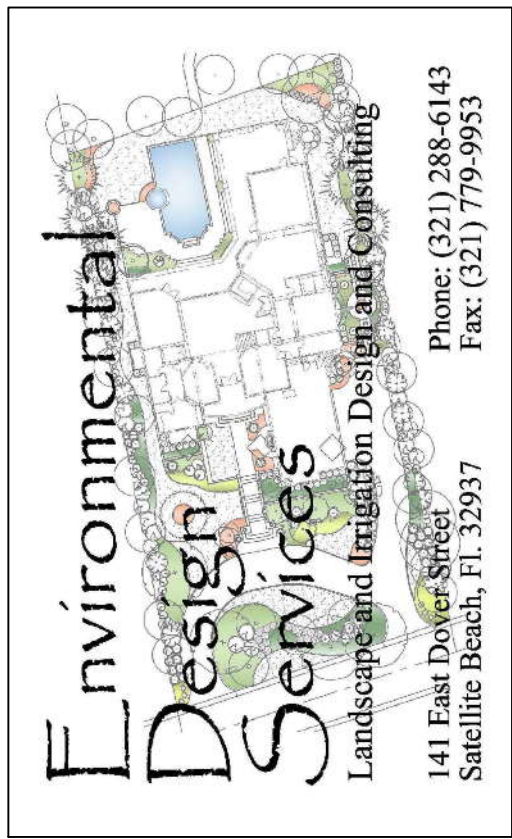
PLANTINGS PROVIDED

Group 1 plants	28
Group 2 plants	5
Group 3 plants	37

Existing plant material located inside of the property boundaries

TYPE	QUANTITY	CALIPER INCHES	STATUS
Oak	1	14	To be preserved
Oak	1	24	To be preserved
Oak	1	37	To be preserved
Pine	1	12	To be preserved
Sabal Palm	19	varies	To be removed

Note: no protected trees located inside of the property boundaries are to be removed.



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Fax: (321) 799-9953

Original Drawing

Issue Date: 5-26-23

By	DKA								
Description									
Per Base Changes / ALEP requirements									
No.	1.	2.	3.	4.	5.	6.	7.		
Date	2-11-24								

Project:

Clover Townhomes

Location:

Brevard County, Florida

Landscape Plan

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Sheet #:

L-3

Project No.	00-0000
Drawn By:	BKA
Designed By:	BKA
Checked By:	BKA
Drawing Scale:	none
Sheet	3 of 6

GENERAL LANDSCAPE NOTES

- 1.) LANDSCAPE CONTRACTOR IS RESPONSIBLE FOR VERIFYING PROJECT SITE CONDITIONS AND QUANTITIES INDICATED ON THESE PLANS, BEFORE PRICING WORK.
- 2.) ALL PLANT MATERIAL SHALL BE FLORIDA GRADE NO. 1 OR BETTER AS SPECIFIED IN "GRADES AND STANDARDS FOR NURSERY PLANTS PARTS I AND II" 1998 EDITION DIVISION OF PLANT INDUSTRY, FLORIDA DEPARTMENT OF AGRICULTURE AND CONSUMER SERVICES, AND SHALL CONFORM TO CURRENT AMERICAN ASSOCIATION OF NURSERYMAN STANDARDS FOR NURSERY STOCK. ALL SIZES SHOWN FOR PLANT MATERIAL ON THE PLAN ARE TO BE CONSIDERED MINIMUM. 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 SHALL ALSO BE REQUIRED FOR ACCEPTANCE. ALL TREES TO BE SINGLE TRUNKED, UNLESS OTHERWISE NOTED ON PLANS.
- 3.) LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING AND VERIFYING THE CONDITION OF UNDERGROUND UTILITIES THAT EFFECT PLANTING PROCEDURES OR IRRIGATION SYSTEM INSTALLATION. IF ANY CONFLICTS OCCUR BETWEEN PROPOSED LOCATION OF TREES FOR ON THE DRAWING AND ANY UNDERGROUND UTILITIES OR SUBSURFACE STRUCTURES, THE LANDSCAPE CONTRACTOR SHALL NOTIFY THE LANDSCAPE DESIGNER. IF THE LANDSCAPE CONTRACTOR DAMAGES ANY STAKED OR IN PLACE UTILITIES BY HIS OWN NEGLIGENCE, THEY SHALL BE REPAIRED AT THE LANDSCAPE CONTRACTOR'S EXPENSE.
- 4.) LANDSCAPE CONTRACTOR SHALL NOTIFY LANDSCAPE DESIGNER OR OWNER OF ANY CONDITIONS THAT WOULD PREVENT THE HEALTHY GROWTH OF PLANT SPECIES CALLED FOR ON THE DRAWINGS. THIS NOTIFICATION MUST OCCUR PRIOR TO CONTRACT AWARD.
- 5.) IF ANY DISCREPANCIES OCCUR BETWEEN QUANTITIES CALLED FOR ON THE PLANT LIST AND THOSE INDICATED ON THE DRAWINGS, THE GREATER QUANTITY SHALL GOVERN.
- 6.) PLANT MATERIAL SHALL BE SOUND, HEALTHY AND VIGOROUS, WELL-BRANCHED AND DENSELY FOLIATED WHEN IN LEAF. THEY SHALL BE FREE OF DISEASE, INSECTS, EGGS, OR LARVAE, AND SHALL HAVE HEALTHY, WELL DEVELOPED ROOT SYSTEMS. THEY SHALL BE FREE FROM PHYSICAL DAMAGE OR ADVERSE CONDITIONS THAT WOULD PREVENT THRIVING GROWTH.
- 7.) PLANT MATERIAL MUST BE CONTAINER GROWN OR B&B (UNLESS TRANSPLANTED) AS INDICATED IN THE PLANT LIST. ALL PALMS SHALL BE FIELD GROWN
- 8.) PLANT MATERIAL SHALL CONFORM TO THE VARIETIES INDICATED IN THE PLANT LIST.
- 9.) SUBSTITUTION OF PLANT MATERIALS WILL NOT BE PERMITTED UNLESS AUTHORIZED BY THE OWNER AND/OR OWNER'S REPRESENTATIVE. IF PROOF IS SUBMITTED THAT ANY PLANT SPECIFIED IS NOT OBTAINABLE, A PROPOSAL WILL BE CONSIDERED FOR USE OF THE NEAREST EQUIVALENT SIZE OR VARIETY WITH CORRESPONDING ADJUSTMENT OF CONTRACT PRICES.
- 10.) PLANT MATERIAL LOCATIONS AND BED OUTLINES SHALL BE STAKED OR FLAGGED ON SITE BY THE LANDSCAPE CONTRACTOR AND SHALL BE ADJUSTED IF REQUIRED TO FIT ACTUAL AS-BUILT CONDITIONS ON SITE AND APPROVED BY THE LANDSCAPE DESIGNER OR OWNER PRIOR TO INSTALLATION. PROPOSED PLANTINGS SHALL NOT BE PLACED IN THE FLOWLINE OF SWALES OR LOCATED WHERE THEY WILL IMPEDE WATER FLOW.
- 11.) A CRISP LINE, EITHER STRAIGHT OR CURVING, SHALL SEPARATE PLANT BEDS FROM SODDED OR SEEDED AREAS. ALL PLANTING BED AREAS TO HAVE 6" OF DARK, FRIABLE TOP SOIL OR BED MIX CHURNED INTO EXISTING SOIL.
- 12.) LANDSCAPE CONTRACTOR SHALL EXCAVATE PLANT PITS ACCORDING TO THE DRAWINGS.
- 13.) BACKFILL AROUND PLANT MATERIAL SHALL BE WORKED FIRMLY, TAMPED AND WATERED--IN UNDER AND AROUND THE ROOT BALL TO FILL VOIDS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR WATERING PLANT MATERIAL A MINIMUM OF THIRTY (30) DAYS AFTER INSTALLATION UNLESS OTHERWISE INSTRUCTED BY LANDSCAPE DESIGNER OR OWNER.
- 14.) LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING HOISTING EQUIPMENT NECESSARY FOR THE PLACEMENT OF PLANT MATERIAL. NEW PLANT MATERIAL TO BE INSTALLED WILL BE FIELD ADJUSTED TO ACCOMMODATE EXISTING PLANT MATERIAL SUCH AS OVERHEAD CANOPY TREES, UNDERSTORY TREES AND SHRUBS OR GROUND COVER. THIS WILL INSURE EXISTING PLANT MATERIAL TO REMAIN IN ITS NATURAL STATE. THEREFORE, NO EXISTING PLANT MATERIAL WILL BE ALTERED BY REMOVING, CUTTING, TRIMMING OR DESTROYING IN ORDER TO INSTALL NEW PLANT MATERIAL.
- 15.) LANDSCAPE CONTRACTOR SHALL BEAR FINAL RESPONSIBILITY FOR PROPER SURFACE DRAINAGE OF PLANTED AREAS. ANY DISCREPANCY IN THE DRAWINGS, OBSTRUCTION ON THE SITE, OR PRIOR WORK DONE BY ANOTHER PARTY WHICH THE LANDSCAPE CONTRACTOR FEELS PRECLUDES ESTABLISHING PROPER DRAINAGE SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE LANDSCAPE DESIGNER OR OWNER. THE FINAL GRADE AND SOIL (THE LAST 6") SHALL BE PROVIDED BY THE LANDSCAPE CONTRACTOR.
- 16.) AFTER PLANT MATERIAL HAS BEEN INSTALLED AND APPROVED, PLANTING BEDS SHALL BE RAKED TO AN EVEN GRADE TO CONFORM TO PRE-MULCHING FINISH GRADES. PLANTING BEDS AND PLANT SAUCERS SHALL THEN BE UNIFORMLY COVERED WITH A MINIMUM 3 INCH LAYER OF PINE BARK NUGGETS.
- 17.) PLANT MATERIAL BACKFILL MIXTURE SHALL BE THOROUGHLY MIXED AND DISTRIBUTED EVENLY THROUGHOUT THE PROPOSED PLANTING BED AREAS.
- 18.) ALL TREE STAKING TO BE DONE AS DETAILED. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGES THAT OCCUR AS THE RESULT OF THE FAILURE TO STAKE TREES THAT ARE NOT AN ACT OF GOD AND THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR STRAIGHTENING TREES DURING THE GUARANTEE PERIOD.
- 19.) IN NEW PLANTED AREAS, GRADES SHALL BE ESTABLISHED BY THE LANDSCAPE CONTRACTOR AT APPROXIMATELY 3 INCHES BELOW CURBS, SIDEWALKS, HARDSCAPE AMENITIES, MOWING STRIPS, AND ABUTMENTS TO ALLOW FOR MULCH.
- 20.) THE LANDSCAPE CONTRACTOR SHALL COORDINATE CONSTRUCTION OF PLANTING AREAS WITH INSTALLATION OF IRRIGATION SYSTEM AND HARDSCAPE WORK.
- 21.) INCLUDING PERMITS TO WORK IN RIGHTS-OF-WAY.
- 22.) INSTALLED PLANT MATERIAL SHALL BE FERTILIZED WITH THE FOLLOWING APPLICATIONS:
LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING APPLICABLE PERMITS BEFORE COMMENCING CONSTRUCTION, TREES AND SHRUBS: OSMOCOTE (14-14-14)
SHRUBS/GROUND COVER - 1/3 LB. PER 3-GALLON POT, 1/4 LB. PER 1-GALLON POT
TREES AND SHRUBS (OVER 5 FT. HT.) - 1 LB. PER 1 INCH OF TRUNK DIAMETER
(16-4-8) COMMERCIAL FERTILIZER - 18 LBS. PER 1,000 SQ. FT.
SOD:
PALMS: (12-4-12) COMMERCIAL FERTILIZER - 1 LB. PER 1 INCH OF TRUNK DIAMETER
- 23.) THE LANDSCAPE CONTRACTOR SHALL MAINTAIN FULLY, PLANT MATERIAL ON SITE DURING AND BEFORE PLANTING, UNTIL THE WORK IS ACCEPTED BY THE OWNER AND/OR OWNER'S REPRESENTATIVE.
- 24.) PLANTS SHALL BE GUARANTEED BY THE LANDSCAPE CONTRACTOR TO BE HEALTHY PLANTS AND IN FLOURISHING CONDITION OF ACTIVE GROWTH FOR ONE (1) YEAR FROM FINAL INSPECTION AND ACCEPTANCE.
- 25.) THE OWNER AND/OR OWNER'S REPRESENTATIVE HAS THE RIGHT TO REJECT ANY AND ALL WORK WHICH IN HIS OPINION DOES NOT MEET WITH THE REQUIREMENTS OF THE SPECIFICATIONS AT ANY STAGE OF THE PROJECT.
- 26.) IN GENERAL, THE WORK SHALL PROCEED AS RAPIDLY AS THE SITE BECOMES AVAILABLE.
- 27.) CONTRACTOR SHALL BE RESPONSIBLE FOR THE IMMEDIATE CLEANUP OF PREMISES AND REMOVAL OF DISCARDED AND SURPLUS MATERIALS AND RUBBISH.
- 28.) SOLID SOD SHALL BE INSTALLED IN THE AREAS AS INDICATED ON THE PLAN. VERIFY EXACT LOCATION AND AMOUNT OF SOD AS SHOWN TO FIT CONDITIONS.
- 29.) SOD SHALL BE LAID END-TO-END AND SIDE-TO-SIDE IN A STAGGERED LINE TO FORM A UNIFORM LAYER. UNEVEN EDGES SHALL BE SQUARELY TRIMMED TO ALLOW CLOSE AND FIRM FITTING OF EACH PIECE.
- 30.) AFTER SODDING IS COMPLETED, THE ENTIRE SOD AREAS SHALL BE ROLLED AND WATERED BY HAND OR IRRIGATION SYSTEM EACH DAY FOR TWO WEEKS. SODDED AREAS SHALL THEN BE TOP-DRESSED WITH A COMMERCIAL FERTILIZER AS DIRECTED BELOW IN AN EVENLY BROADCAST PATTERN.
- 31.) LANDSCAPE MIX IS COMPRISED OF 40% PEAT, 40% WOOD PRODUCT, AND 20% COMPOST.
- 32.) LANDSCAPE CONTRACTOR TO PROVIDE PHOTOS OR SAMPLES OF ALL PLANT MATERIAL NOTED ON PLANT LIST TO LANDSCAPE DESIGNER FOR APPROVAL PRIOR TO INSTALLATION.
- 33.) LANDSCAPE CONTRACTOR TO NOTIFY THE LANDSCAPE DESIGNER PRIOR TO COMMENCING ANY LANDSCAPE WORK IF HIGH SALT CONTENT IS DISCOVERED ONCE THE IRRIGATION WELL IS ESTABLISHED AND TESTED, AND/OR IF HE/SHE HAS CONCERNS THAT THE SPECIFIED LANDSCAPE MATERIAL WILL NOT TOLLERATE THE PROJECT SITE CONDITIONS.
- 34.) LANDSCAPE CONTRACTOR TO NOTIFY ALL AREAS WHERE PLANTINGS HAVE BE SHOWN IS ASSUMED TO BE WELL DRAINED. CONTRACTOR TO NOTIFY ENVIRONMENTAL DESIGN SERVICES PRIOR TO INSTALLING PLANT MATERIAL IN AREAS WHERE STANDING WATER OR EXCESSIVELY WET AREAS ARE IDENTIFIED.

Brevard County Natural Resources Management Office
Standard Notes - 2022

- 1) This site plan/subdivision plan will comply with Sec. 62-4333 of the Brevard County Landscaping, Land Clearing, and Tree Protection Ordinance regarding the removal and control in perpetuity of all non-native invasive plant species.
- 2) This site plan/subdivision plan will comply with Sec. 62-4341 (14) of the Brevard County Landscaping, Land Clearing, and Tree Protection Ordinance regarding site and soil preparation and will comply with Sec. 62-4342 regarding maintenance in perpetuity for all required planted and preserved landscape materials.
- 3) The method of irrigation for plants on this site will be a pump and well.
- 4) Per Sec. 62-4339 (2)(e) of the Brevard County Landscaping, Land Clearing, and Tree Protection Ordinance, canopy preservation areas new subdivisions, industrial, institutional, public, or commercial developments shall be within separate tracts, Declaration of Covenants, recorded plat condition, or with sufficient protective language, noted on the approved landscape plan, to prohibit activities that are detrimental to the perpetual preservation of the area.
- 5) Per Sec. 62-4338 (4) of the Brevard County Landscaping, Land Clearing, and Tree Protection Ordinance, vegetative buffers or other ground covers that retard erosion must be established within seven (7) days after final grade has been established or within fourteen (14) days after last construction activity has occurred.
- 6) Any state and federal permits that may be required as a result of land clearing and landscaping activities are the responsibility of the owner or designee.
- 7) Any changes to the approved landscape and/or clearing plan will be confirmed in writing through The Brevard County Natural Resources Management Office prior to planting. Failure to obtain written approval to the approved landscape and/or clearing plan by the Brevard County Natural Resources Management Office may delay the issuance of the Certificate of Occupancy and/or Certificate of Completion.
- 8) Per Sec. 62-4341 (3) of the Brevard County Landscaping, Land Clearing, and Tree Protection Ordinance, all plantings shall be at least Florida No.1 grade as defined by *Grades & Standards for Nursery Plants*, 1998, Division of Plant Industry, Florida Department of Agriculture and Consumer Services, as may be amended.
- 9) Per Sec. 62-4339 (2)(c) of the Brevard County Landscaping, Land Clearing, and Tree Protection Ordinance, Preserved trees shall have protective barriers during construction which encompass the root protection zone...it shall be the responsibility of the applicant/owner to schedule an inspection with NRMO or provide a notarized statement from a Recognized Knowledgeable Person, professional land surveyor registered in the State of Florida, professional civil engineer, or professional architect, registered in the State of Florida and proficient in site design that protective barriers have been correctly installed. Failure to schedule an inspection or provide the notarized statement prior to any land clearing, alteration, or commencement of construction including grading and filling, shall constitute a violation...and may be subject to stop work order and other penalties and remedies pursuant to Section 62-4336. The only allowable activities prior to filing the notarized statement with NRMO shall be those activities necessary for compliance with Stormwater Pollution Prevention Plans (SWPPP) and Florida Department of Environmental Protection (FDEP) National Pollutant Discharge Elimination System (NPDES).
- 10) Per Section 62-4343, whether preserved or planted, landscape material must be maintained through proper care or replacement in perpetuity after issuance of Certificate of Completion/Occupancy.

Landscape Bid Notes

1. ANY DISCREPANCIES CONCERNING THE MATERIALS OR CONDITIONS OF THE SITE THAT SHALL INHIBIT THE INSTALLATION AS DRAWN SHALL BE BROUGHT TO THE ATTENTION OF THE OWNERS REPRESENTATIVES. ISSUES FOUND PRIOR TO BID WILL BECOME A CONDITION OF THE BID AFTER THE AWARD OF THE CONTRACT.
2. AFTER THE AWARD OF THE CONTRACT, ANY DISCREPANCIES IN THE PLANS OR ADDITIONAL MATERIALS AND COSTS BECAUSE OF PRE-EXISTING CONDITIONS AT THE SITE SHALL NOT BE A REASON FOR ANY ADDITIONAL CHARGES TO THE OWNERS.
3. THESE BID CONDITIONS ARE NOT TO BE CONSIDERED ALL INCLUSIVE. THERE MAY BE ADDITIONAL CONDITIONS INCLUDED IN OTHER DOCUMENTS OF THE CONSTRUCTION AGREEMENT. IT IS THE CONTRACTOR'S RESPONSIBILITY TO MAKE HIMSELF AND HIS SUBCONTRACTORS AWARE OF ANY OTHER SUCH CONDITIONS.
4. THE QUANTITIES ON THE MATERIALS SCHEDULE ARE FOR THE CONVENIENCE OF THE CONTRACTOR ONLY AND NOT TO BE CONSIDERED AS THE FINAL QUANTITY FOR BID AND INSTALLATION. THE CALLOUTS AND ENTITIES DRAWN ON THE PLANS TAKE PRECEDENCE OVER THE PLANT LIST.
5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN TAKEOFFS OF THE PLANTINGS AS DRAWN.
6. THE CONTRACTOR SHALL BE EXPECTED TO VISIT THE SITE PRIOR TO BID. THE CONTRACTOR SHALL HAVE AN UNDERSTANDING OF THE ON SITE CONDITIONS TO PREPARE HIS BID. CONDITIONS EXISTING PRIOR TO BID WILL BECOME A CONDITION OF THE BID AFTER THE BID IS ACCEPTED BY THE CLIENT.

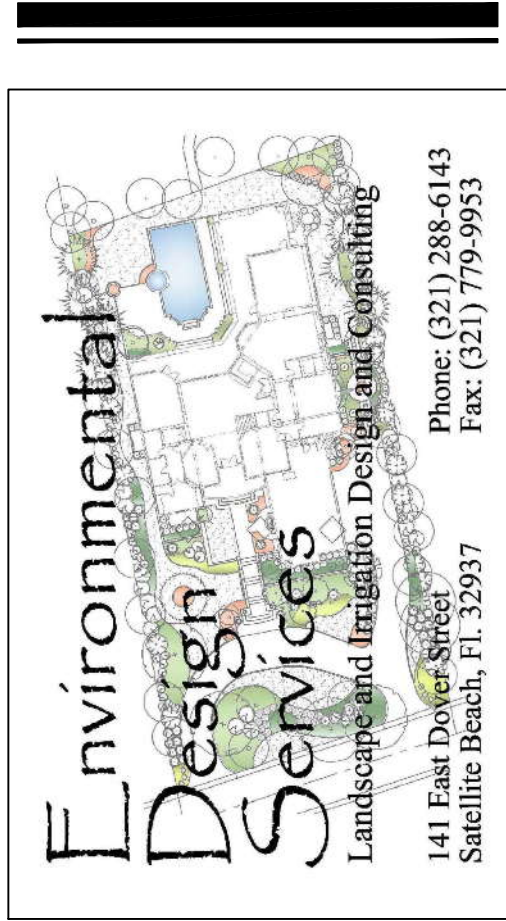
Tree Root Protection and Planting Chart

The intent of this chart is to provide location(s) of required tree barriers, total planting areas and encroachment distances to trees.

Tree Species**	Root Protection Zone Area (during construction) Preserved Trees	Total Planting Area (minimum) Preserved & Planted Trees	Minimum Distance (within 50% of the dripline) Preserved & Planted Trees
Small	90 s.f. or dripline, whichever is less	100 s.f.	2 ft.
Medium	200 s.f. or dripline, whichever is less	225 s.f.	6 ft.
Large	36 in. dbh or dripline, whichever is less = 625 s.f. Greater than 36 in. dbh = 5 X dbh	300 s.f. primary* 900 s.f. secondary	8 ft.

*Encroachment can occur within the secondary area (between 300 and 900 s.f.) for the implementation of construction of an approved alternative surface or sub-surface method for preventing soil compaction, and/or promoting aeration and hydration. Examples of such methods are outlined in University of Florida Cooperative Extension Service's publication ENH 1056 entitled Urban Design for a Wind Resistant Urban Forest, as maybe amended.
**As defined in Sec. 62-4332.

For palms trees, the Root Protection Zone area shall be 25 square feet and have a radius no less than 2 feet.



Original Drawing
Issue Date: 5-26-23

REVISIONS:	No.	Date	Description	By
	1.	2-11-24	Per Base Changes / ALEP requirements	DKA
	2.			
	3.			
	4.			
	5.			
	6.			
	7.			

Project:
Clover Townhomes

Location:
Brevard County, Florida

Landscape Plan


This Drawing and The Designs Represented
Herein are The Exclusive Property of Environmental
Design Services, and May Not Be Reproduced,
Used, or Disseminated Without Written Permission.

Sheet #:
L-3

Project No.	00-0000
Drawn By:	DKA
Designed By:	DKA
Checked By:	DKA
Drawing Scale:	none

Sheet 4 of 6

Plans are not to be used for construction purposes unless marked "approved" by Brevard County Natural Resources.



FNGLA Certified
Horticulture Professional

Brian K. Alderfer
HC3 02184
Certification valid through 12/31/2023