October 11, 2016

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Mr. Maik Agaard, District Manager DPFG, Inc. 1060 Maitland Center Commons Suite 340 Maitland, FL 32751

#### RE: Avalon Groves Community Development District Engineer's Report

To Whom It Concerns:

Pursuant to the Board of Supervisor's authorization, Heidt Design, Inc. is pleased to submit this Engineer's Report for the proposed improvements for the Avalon Groves Community Development District related to its Capital Improvement Revenue Bonds. This report has been prepared on behalf of the District in connection with the financing for these proposed improvements. A detailed description of the improvements and their corresponding estimates of costs are outlined in the following report.

Thank you for this opportunity to be of professional service.

Sincerely,

**HEIDT DESIGN, LLC** 

Gary D. Miller, P.E. District Engineer

cc: Jim Harvey, Kolter Land Partners Roy Van Wyk, Hopping, Green & Sams, P.A. Alyssa Willson, Hopping, Green & Sams, P.A. File

## AVALON GROVES COMMUNITY DEVELOPMENT DISTRICT PRELIMINARY ENGINEER'S REPORT

Prepared for:

Board of Supervisors Avalon Groves Community Development District

Prepared by:

Heidt Design, LLC 5806-B Breckenridge Parkway Tampa, Florida 33610 813-253-5311

October 11, 2016

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#### INTRODUCTION

Avalon Groves is a residential development project located on property totaling approximately 985 acres in size, located East of U.S. 27 in eastern Lake County. The Vicinity Map is contained in Appendix B. The Avalon Groves community will consist of multiple residential neighborhoods and recreational amenities.

The Avalon Groves Community Development District ("District") is located in Sections 13, 14, 23, & 24, Township 24 South, Range 26 East, Lake County, Florida. The District consists of approximately 972 acres situated in the South Lake County area to the West of the western limits of Orange County. The legal description of the property is attached in Appendix A. The portion of Avalon Groves, which is located in the District, is referred to as the "development".

The District is being created to provide an efficient funding and long-term maintenance mechanism for the public infrastructure associated with the portion of the Avalon Groves community planned within the boundaries of the District. A series of exhibits are included in Appendix C of this report, including a Zoning Map, a Future Land Use Map, and an Aerial Map of the overall Avalon Groves project.

The current plan of development for the Avalon Groves community within the District contains approximately 1,352 housing units, various recreational facilities and an amenity site. The current Planned Unit Development (PUD) approval allows for these uses, with more detailed permit information being found in the "Permit Status" section of this report.

The purpose of this report is to provide a description of the improvements and land acquisition that may be financed by the District ("the Total Project"). Refer to Table 1 for a costs summary of the Total Project. Public infrastructure and land improvements needed to service the development within the District include the construction of the extension of Sawgrass Bay Boulevard to the northwest project boundary and through the planned development. Also included are wetland mitigation creation, listed species habitat mitigation creation and costs, stormwater management facilities and associated infrastructure grading, entry monumentation, common area landscaping and irrigation, dry utilities, and recreational facilities. Construction of the Total Project is scheduled to commence in Q4 of 2016, and is anticipated to be complete by December 2021.

The Engineer's Report reflects the District's present intentions. The implementation and completion of any land purchase and any improvement outlined in this report requires final approval by the District's Board of Supervisors, including the award of contracts for the construction of the improvements. Cost estimates contained in this report have been prepared based on the best available information. Actual costs will vary based upon final plans, design, planning, approvals from regulatory authorities, inflation, etc. Nevertheless, all costs contained herein may be reasonably expected to adequately fund the improvements described, and contingency costs as included are reasonable.

### **INFRASTRUCTURE IMPROVEMENTS**

The District presently intends to undertake certain public infrastructure improvements necessary for the development of the Avalon Groves community within the boundaries of the District. As mentioned, a portion of these improvements will be funded by District bond issuances and a portion will be funded by the Developer. There is a Planned Unit Development (PUD) zoning approval in place that mandates a portion of these improvements. The construction and maintenance of the proposed improvements are necessary and will benefit the property within the District. A more specific description of each of these items follows and the related costs are provided in Table 1.

#### LAND ACQUISITION

The District intends to acquire wetland and upland areas that are necessary for the lands that will comprise the proposed District. Each assessment area will realize a benefit from the land acquisition needed to meet regulatory requirements related to wetland systems, stormwater management systems, wetland setbacks, open space, and other infrastructure improvements. All assessment areas benefit from the land and will be allocated by the District as needed.

#### MASTER ROADS AND STREETS

The District presently intends to provide the master transportation facilities within and adjacent to the District boundaries. A description of each facility follows:

<u>Sawgrass Bay Boulevard</u>: Sawgrass Bay Boulevard is the central collector roadway through the development and will serve as the primary project entrance roadway. The proposed cross-section consists of 106-foot wide right-of-way with four lanes of pavement divided by a central median; however, only two lanes will be constructed. The District intends to construct the roadway, including utility transmission mains, landscape, irrigation, and lighting within this collector roadway. No improvements have been made at this time, but all plans and permitting are nearly complete and funded by the Developer. The improvements are planned to commence construction in the 4<sup>th</sup> quarter of 2016, pending receipt of all required regulatory approvals.

#### MASTER WATER AND WASTEWATER

Utilities, Inc., the private utility owner for the subject project area, has indicated that water, and wastewater capacity for this project is available. Utilities, Inc. has indicated that, until such time that residential development increases to support greater wastewater flows, reclaimed water supply will not be reliable to meet demands on a continuous basis. As development occurs in the surrounding areas, reclaimed water supply will grow proportionally, and their ability to meet the common area irrigation needs of the community will increase.

<u>Water Distribution System</u>: The Developer will fund and construct the water distribution system for the Avalon Groves project located within the District. The water distribution main lines will have multiple points of connection to the Utilities, Inc. system within the Sawgrass Bay Blvd. right-of-way. The water mains will loop through the Avalon groves project to provide water to all portions of the development.

<u>Sanitary Sewer Collection System</u>: The Developer will fund and construct the master sanitary sewer collection system. The Avalon Groves project will consist of a system of gravity sewer mains, several pump stations and the associated force main to provide sanitary sewer service to the project. The forcemain will run the length of Sawgrass Bay Blvd. through the project.

<u>Reuse Water Distribution System</u>: The Developer will fund and construct the master reuse water distribution system. The reuse water mains will loop through the Avalon Groves project to provide reuse water service to the project. At such time that Utilities, Inc. has sufficient capacity to serve the community, meters will be set and reclaimed water may be made available to the residents.

#### MASTER SURFACE WATER MANAGEMENT

The District will provide the master surface water management infrastructure for the Avalon Groves project within the District in accordance with St. Johns River Water Management District (SJRWMD) and U.S. Army Corps of Engineers (ACOE) permit approvals. Any surplus of excavated material is anticipated to be used within the development for road sub base, perimeter landscape berms, and/or site grading. Components of the surface water management infrastructure are described below:

<u>Wetland Mitigation</u>: A comprehensive wetland compensation plan is being proposed to mitigate for unavoidable wetland impacts within the Avalon Groves project. Components of the mitigation plan are summarized below:

<u>Environmental Impact Compensation Plan</u>: The proposed wetland impacts are being compensated for by creating wetlands in mitigation areas located within the District and mitigation credits from mitigation bank purchases.

<u>Wetland Enhancement and Preservation</u>: Numerous isolated wetlands are being preserved on the site. Enhancement for a portion of these wetland systems is to be achieved by removing nuisance species and restoring the historic hydroperiods.

<u>Threatened and Endangered Species Mitigation</u>: The District will also provide for the cost of relocation and/or mitigation credit purchases for the adversely affected gopher tortoise and sand skink population or other protected species within the District.

#### SUBDIVISION INFRASTRUCTURE

<u>Residential</u>: The District presently intends to provide supporting infrastructure for the residential

portion of the Avalon Groves project. Subdivision infrastructure improvements include roadway, utilities and stormwater management facilities and associated grading necessary for the stormwater system to function. The current land plan shows approximately 28,000 lineal feet (5.3 miles) of local roadway construction within the residential neighborhoods.

The CDD will ultimately consist of three assessment areas geographically positioned as depicted in the Site Map. Assessment Area 1 will be established as a residential active adult community with approximately 556 lots. The proposed product may be a mix of attached 45-foot and detached 50-foot and 60-foot wide single family residential lots. Assessment Area 1 is approximately 303 acres and lies in the northernmost portion of the District property.

Assessment Area 2 contains approximately 328 acres and is located in the central portion of the District property. The two residential tracts (Villages 1 and 2) are separated by the Sawgrass Bay Boulevard Right-of-Way. The two Villages contain 479 single family detached (SFD) residential units. The proposed product mix in Assessment Area 2 is: 83 SFD 40-foot lots, 294 SFD 50-foot lots, and 102 SFD 60-foot lots.

Assessment Area 3 is located in the southern portion of the District property. It is approximately 354 acres in total land area. The approximate lot yield in Assessment Area 3 if 317 SFD 50-foot wide lots but could increase based on current entitlements.

Each of the three assessment areas will contain retention ponds and floodplain compensation ponds as part of the overall stormwater management system for the project. Impacts to isolated wetlands are proposed in order to allow for the efficient implementation of the development footprint.

#### LANDSCAPING AND MONUMENT SIGNS

The District presently intends to provide certain landscape improvements and facilities within the Avalon Groves project. These improvements may include landscaping and irrigation, retaining walls, common signage, stormwater management and treatment areas with landscape enhancements. The collector roadway network (rights-of-way and medians) and stormwater management facilities will also be landscaped consistent with the theme of the Avalon Groves project.

Entrance Landscaping and Signage: The District collector roadway will be landscaped with special attention given to the primary entrance, which may include monument walls and signage.

<u>Monument Walls</u>: The individual neighborhoods will be identified with specific signage and monuments in combination with landscape tracts will be used to buffer the neighborhoods from the adjacent collector roadway.

<u>Common Area Irrigation System</u>: The extensive landscaping areas and the collector road right-ofway will be irrigated with a common system of irrigation distribution lines.

#### PARKS AND RECREATION FACILITIES

The District presently intends to provide numerous parks and recreation facilities within the project.

<u>Neighborhood Park Facilities</u>: The park facilities include the construction of neighborhood parks to be accessed by the public, some with play equipment. The District intends to provide hard surface pedestrian and bicycle trails throughout the project.

<u>Recreation Facilities</u>: The recreation facilities include an Amenity Center to be centrally located within the project. This may be funded by the Developer and if so, it would remain a private facility.

#### **DRY UTILITIES FACILITIES**

The dry utilities improvements include undergrounding of facilities needed to serve the residential development within the project.

#### **PROFESSIONAL FEES**

Professional Fees include civil engineering costs for site design, permitting, inspection, and master planning, survey costs for construction staking and as-builts as well as preparation of preliminary and final plats, geotechnical costs for pre-design soil borings, underdrain analysis and construction staking, and architectural costs for landscape and recreation design. Also included in this category are fees associated with environmental consultation and permitting. The professional fees are a proportionate amount of the overall costs to design, permit, and construct the project relating to the public infrastructure to be financed by the District. Design fees associated with the private utilities funded by the Developer are not included in these estimate fee projections.

The infrastructure, as outlined above, is necessary for the functional development of the District as required by the applicable independent unit of local government. The planning and design of the infrastructure is in accordance with current governmental regulatory requirements. The infrastructure will provide their intended function so long as the construction is in substantial compliance with the design and permits.

The Engineer recommends that in addition to the annual non-ad valorem assessments to be levied and collected by the District to pay debt service on its bonds, the District should levy and collect an annual "Maintenance Assessment" to be determined, assessed, and levied by the District's Board of Supervisors upon the assessable real property within the District for the purpose of defraying the cost and expenses of maintaining District-owned improvements.

### **OWNERSHIP AND MAINTENANCE**

Ownership and maintenance of the improvements\* is anticipated as set forth below:

#### **OWNERSHIP/MAINTENANCE** IMPROVEMENT Stormwater Management System Community Development District (with Drainage Easements to Lake County) Public Roadway Systems (Collector Roads) Lake County/Community Development District Public Roadway Systems (Local Roads) Lake County / HOA (Private Roads) **Master Sewer Facilities** Utilities, Inc. (Private) Utilities, Inc. (Private) Master Water Facilities Master Reuse Water System Utilities, Inc. (Private) Master Dry Utilities Community Development District / Utility Companies (with Utility Easements) Parks and Recreational Facilities Community Development District / HOA Landscaping and Signs Lake County / Community Development District

\*Only improvements that will be owned and maintained by the District or Lake County will be financed by the District.

#### **PERMIT STATUS**

The permit status for the Avalon Groves development plans is as follows:

|    | PERMIT  | <b>STATUS</b> |
|----|---|---------------|
| 1. | Lake County Preliminary Plat – Villages 1 and 2                               | Pending       |
| 2. | Lake County – Villages 1 and 2 Phase 1A Construction Plans                    | Pending       |
| 3. | SJRWMD Environmental Resource Permit<br>Villages 1 and 2 Phase 1A             | Pending       |
| 4. | Lake County - Sawgrass Bay Blvd. Construction Plans                           | Pending       |
| 5. | SJRWMD Environmental Resource Permit<br>Sawgrass Bay Blvd. – Permit #135777-3 | Approved      |
| 5. | USACOE Individual Permit #SAJ-2015-01634                                      | Pending       |
| 5. | Lake County Zoning (PUD) Amendment Ord. 2016-20                               | Approved      |
| 6. | Florida Fish and Wildlife Commission Conservation Permit                      | Pending       |

The remainder of the construction plans for the required infrastructure within the Avalon Groves Community Development District is in the planning process and will be submitted for final permits in Phases as development progresses.

#### Pending Permit Issuance

We are of the opinion that all permits that are not heretofore issued, and which are necessary to effect the improvements described herein, will be obtained during the ordinary course of development.

|   | <u>Table 1</u>  |   |                   |               |
|---|---|---|-------------------|---------------|
| Item  | Assessment Area 1   | Assessment Area 2                             | Assessment Area 3 | <u>Totals</u> |
| Master Infrastructure                             |   |   |                   |               |
| Land Acquisition (1)                              | \$3,715,320   | \$5,217,120                                   | \$4,479,960       | \$13,412,400  |
| Clearing / Earthwork (2)                          | \$2,464,414   | \$2,123,120                                   | \$1,405,071       | \$5,992,605   |
| Master Stormwater Management                      | \$1,719,152   | \$1,481,068                                   | \$980,164         | \$4,180,384   |
| Master Collector Road (2 lanes, excl. utilities)  | \$1,807,890   | \$1,807,890                                   | \$1,807,890       | \$5,423,671   |
| Parks and Recreational Facilities / Amenities     | \$100,000   | \$1,862,500                                   | \$1,862,500       | \$3,825,000   |
| Professional Fees (3)                             | \$1,072,500   | \$936,000                                     | \$624,000         | \$2,632,500   |
| Master Utilities (Water, Wastewater, Reuse)       | \$0   | \$0   | \$0               | \$0           |
| Sub-total   | \$10,879,277  | \$13,427,698                                  | \$11,159,585      | \$35,466,560  |
| Residential Tract Costs                           |   |   |                   |               |
| Roadway (Local Streets)                           | \$1,993,260   | \$881,910                                     | \$1,136,445       | \$4,011,615   |
| Landscaping, Entry Features and Signs             | \$834,000   | \$720,000                                     | \$480,000         | \$2,034,000   |
| Sub-total   | \$2,827,260   | \$1,601,910                                   | \$1,616,445       | \$6,045,615   |
| Contingency                                       | \$1,370,654   | \$1,502,961                                   | \$1,277,603       | \$4,151,217   |
| Project Total                                     | \$15,077,190  | \$16,532,569                                  | \$14,053,633      | \$45,663,392  |
| Anticipated Buildout Assessment Area 1            | December, 2019  |   |                   |               |
| Anticipated Buildout Assessment Area 2            | December, 2018  |   |                   |               |
| Anticipated Buildout Assessment Area 3            | December, 2021  |   |                   |               |
| (1) Land Acquisition values are subject to appr   | aisal ordered by Dis  | trict   |                   |               |
| (2) Earthwork excludes filling and compaction     | to final grade on dev   | elopable lots                                 |                   |               |
| (3) Professional fees for design of public infras | PERCENTER AND AND AND AND ADDRESS A | nin kanalak 🖕 tankan kanalah di katok baratan |                   |               |
| (4) All Costs are in 2016 Dollars                 |   |   |                   |               |

#### **ENGINEER'S OPINION**

It is our professional opinion that the summary of costs listed above is sufficient to complete the construction of the items intended.

It is my professional opinion that the infrastructure costs associated herein for the district improvements are reasonable to complete the construction of the infrastructure described herein and that these infrastructure improvements will benefit and add value to the assessable lands within the District. The assessable property within the District will receive a special benefit from the herein described improvements, which benefit is at least equal to the cost of such improvements. Infrastructure costs are for public improvements or community facilities as set forth in section 190-012(1) and (2) of the Florida Statutes.

The estimate of infrastructure construction costs is only an estimate and not a guarantee maximum price. The estimated cost is based on unit prices currently being experienced for ongoing and similar items of work in Lake County and quantities as represented on construction plans.

The labor market future costs of equipment and materials, increased regulatory actions and the actual construction process are all beyond control. Due to this inherent opportunity for fluctuation of cost, the total final cost may be more or less than this estimate.

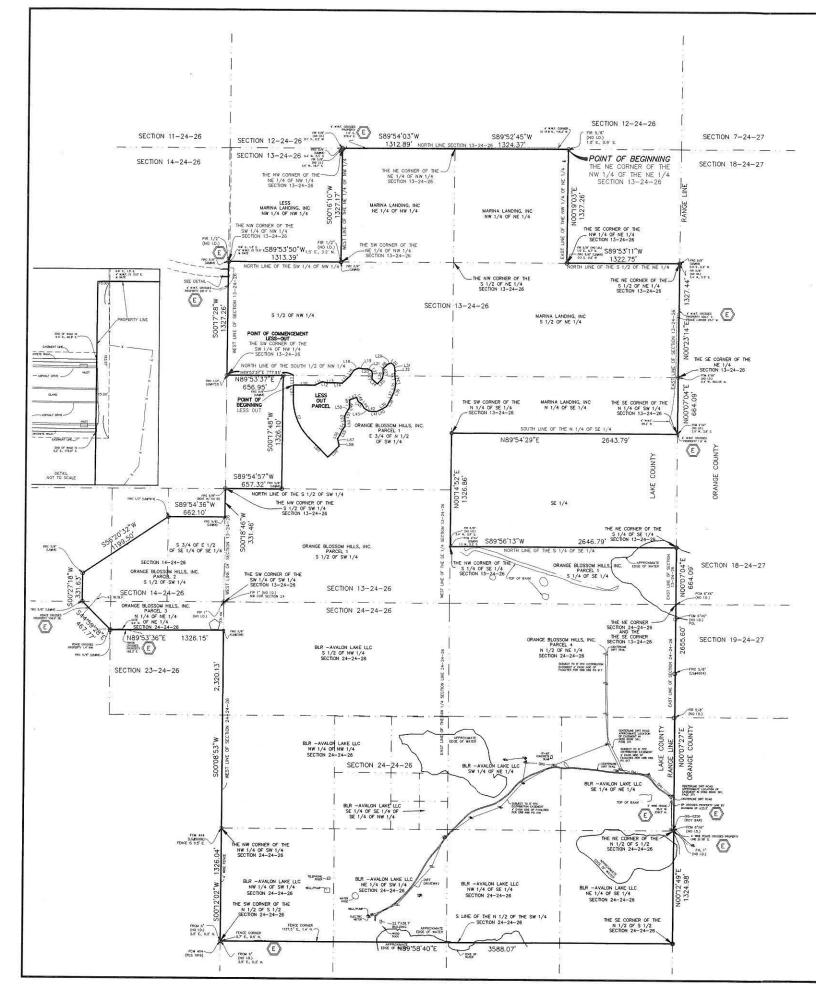
Assuming project construction continues in a timely manner, it is our opinion that the proposed improvements, if constructed and built in substantial accordance with the approved plans and specifications, can be completed and meets their intended functions. Where necessary, historical costs, information from other professional or utility consultants and contractors have been used in preparation of this report. Consultants and contractors who have contributed in providing the cost data included in this report are reputable entities in the Lake County area. It is therefore our opinion that the construction of the proposed project can be completed at the cost stated.

Gary D. Miller, P.E. Florida Registered Engineer No. 52717

# **Appendix A**

R:\Avalon Groves\CDD\Correspondence\Working File\GDM-CDD Draft Engineers Report 10.11.16.doc





#### LEGAL DESCRIPTION

A PORTION OF SECTIONS 13, 14, 23 AND 24, TOWNSHIP 24 SOUTH, RANGE 26 EAST, LAKE COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

A PORTION OF SECTIONS 13, 14, 23 AND 24, TOWNSHIP 24 SOUTH, RANGE 26 EAST, LAKE COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: BEGIN AT THE NORTHEAST CORNER OF THE NORTHWEST 1/4 OF THE NORTHEAST 1/4; THENCE ALONG THE NORTH EXETION LINE SOUTH B93\*403" WEST, A DISTANCE OF 1,322,437 FEET, THENCE CONTINUE, ALONG SAID NORTH EXETION LINE SOUTH B93\*403" WEST, A DISTANCE OF 1,322,87 FEET TO THE NORTHWEST CORNER OF THE NORTHEAST 1/4 OF THE NORTHWEST 1/4 OF SAID SECTION 13, THENCE DEPARTING SAID NORTH LINE RUN SOUTH 001610" WEST ALONG THE WEST LINE OF THE NORTHWEST 1/4, OF THE NORTHWEST 1/4; THENCE SOUTH 893:505 WEST ALONG THE NORTH LINE OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4; THENCE SOUTH 013, A DISTANCE OF 1,322.17 FEET TO THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4; THENCE SOUTH 001780" WEST ALONG THE NORTH LINE OF THE NORTHWEST 1/4 OF THE NORTHWEST 1/4 OF ADISTANCE OF 1,31.39 FEET TO THE NORTHWEST CORNER OF THE SOUTHWEST 1/4 OF SAID SECTION 13, THENCE SOUTH 01728" WEST ALONG THE NORTH LINE OF THE SOUTHWEST 1/4 OF SAID SECTION 13, THENCES SOUTH 01728" LINE OF SAID SECTION 12, OF THE SOUTHWEST 1/4 OF THE NORTHWEST 1/4 OF SAID SECTION 13, THENCE SOUTH 0571/84 STATE SAT ALONG THE NORTH LINE SOUTH 0071748" WEST, A DISTANCE OF 1,326,10 FEET. TO THE SOUTH LINE OF THE SOUTH 1/2 OF THE SOUTHWEST 1/4 OF THE NORTH LINE ST LINE OF SAID SECTION 13, A DISTANCE OF SIGNING SAID WEST SECTION LINE, SOUTH 0071748" WEST, A DISTANCE OF 331.60 FEET. THENCE SOUTH 4072728" EFET, TO THE SOUTHWEST 1/4, A DISTANCE OF 65.32 FEET TO THE NORTHWEST 1/4 OF SAID SECTION 12, DISTANCE OF 467.77 FEET, THENCE NORTH 895436" WEST, A DISTANCE OF 56.10 FEET, THENCE SOUTH 407218" EFET TO THE SOUTHWEST CORNER OF THE NORTHWEST 1/4 OF THE SOUTHWEST CORNER OF THE NORTH 1/2 OF THE SOUTH 1/2 OF THE SOUTHWEST SECTION LINE, SOUTH 995436" WEST, A DISTANCE OF 1,326.10 FEET, THENCE SOUTH 407218" EFET TO THE NORTHWEST CORNER OF THE NORTHWEST 1/4 OF SAID SECTION 12, THENCE SOUTH 4072 SET SOUTH 1/2

#### AND LESS AND EXCEPT THE FOLLOWING DESCRIBED PARCEL

A PARCEL OF LAND LYING IN SECTION 13, TOWNSHIP 24 SOUTH, RANGE 26 EAST OF LAKE COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

CONTAINING 42,308,303 SQUARE FEET OR 971.265 ACRES, MORE OR LESS.

POSSIBLE ENCROACHMENT SHOWN ON DRAWING (OWNERSHIP OF FENCES HAVE NOT BEEN DETERMINED) (E)

#### CERTIFIED TO

Avalon Groves, LLC Stonehill Capital Mana ement, LLC Annehill Capital Management, Loo Jolter Acquisitions LLC 13 The Doublic National Title Insurance Company 2014 Republic National Title Insurance Company Shuffield, Lowman & Wilson, P.A.

#### SURVEYOR'S NOTES

THE BEARINGS SHOWN HEREON ARE BASED ON THE WEST LINE OF NORTHWEST QUARTER (NW 1/4) OF SECTION 24, TOWNSHIP 24 SOUTH, RANGE 26 EAST HAVING A BEARING NOVES'SSTE, PER DESCRIPTION.

2. NO UNDERGROUND IMPROVEMENTS HAVE BEEN LOCATED EXCEPT AS SHOWN. 3. THE SURVEYOR HAS NOT ABSTRACTED THE LAND SHOWN HEREON FOR EASEMENTS, RIGHT-OF-WAY OR RESTRICTIONS OF RECORD WHICH MAY AFFECT THE TITLE OR USE OF LAND.

4. I HAVE EXAMINED THE FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NUMBER 12058C 0575 UNITED TO COLD TRADUCTION TO A TRADUCTION TRADUCTION

NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED PROFESSIONAL SURVEYOR & MAPPER.

6. ALL RECORDING INFORMATION SHOWN HEREON REFERS TO THE PUBLIC RECORDS OF LAKE COUNTY, FLORIDA

#### LEGEND DENOTES SET 1/2" IRON ROD LB 6393

- DENOTES RECOVERED CONCRETE MONUMEN DENOTES RECOVERED SURVEY MONUMENT (AS NOTED) 0
  - DENOTES RADIUS
    - DENOTES CENTRAL AN DENOTES ARC LENGTH DENOTES CHORD LENG DENOTES CHORD BEAR
  - 3 UTILITY POLE
  - GUYWIRE
  - **(S)** SANITARY MANHOLE UGHT POLE

 $\bigcirc$ STORM MANHOLE

- \* --- FENCE LINE

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|---|---|---|-----------|----------|---------------------------------|-------------------|
| 331.4<br>SOUTH  | 6 FEET;<br>56°20'32   | "   |           |          | Line Table                      |                   |
| OUTH 4  | 4'59'28"  | EAST.   |           | Line /   | Direction                       | Length            |
| THE WE  | ST LINE<br>NCE 2,32   | OF<br>20.13   |           | L10      | \$89'58'50"                     | E 250.01          |
| NCE CO  | DNTINUE   | ALONG.  | 8         | L11      | N65'06'51"                      | -                 |
| ORTH 1  | /2 OF T   | HE  | 3         | L12      | S78'01'53"                      | E 56.01           |
| 1/2 OF  | SAID S  | ECTION  |           | L13      | N89'18'54"                      |                   |
| TO TH   | /2 OF T<br>SOUTH<br>SAID S<br>E NORTH   | EAST  |           | L14      | S87'09'49"                      |                   |
| ING TH  | F SOUTH   | FAST  |           | L15      | N46'37'36"                      | E 114.82          |
| TION 1  | 3, A DIS<br>ICE SOU   | TANCE   |           | L16      | N34'40'21"                      | E 91.81'          |
| 3; THEN   | ICE SOU   | TH  |           | L17      | S00'17'48"V                     | -                 |
| F ALONI   | CE OF 2.<br>G THE W<br>DRTH 1/4   | EST   | 1         | L18      | N67"21'15"8                     | -                 |
| THE NO  | ORTH 1/   | 4 OF  | 1         | L19      | S81113'17"E                     | 7                 |
| AST AL  | ST 1/4,<br>ONG SAIL   | A<br>D EAST   | 1         | L20      | S88'00'55"                      |                   |
| N 13,   | THENCE  |   | 1         | L21      | \$64'02'06"                     | C RAUSSAN         |
| ORNER   | OF THE  | SOUTH   | 1         | L22      | S24'06'31"E                     |                   |
| 1/4;  | ORTHEA  |   | 1         | L23      | 506"59'09"V                     |                   |
| 1/4;<br>OF 1,32   | 7.26 FE   | ET TO   |           | L24      | S49'33'12"E                     | A Sectores        |
|   |   |   |           | L25      | N4114 49"E                      | 85.95'            |
|   |   |   |           | L26      | N13'08'54"E                     | -                 |
|   |   |   |           | L27      | N05"29'09"V                     |                   |
|   |   |   | Ì         | L28      | N43'44'02"E                     | 75.29             |
| BEING   | MORE  |   | Ĩ         | L29      | N70'43'41"E                     | 47.64             |
|   |   |   | 1         | L30      | S48'10'15"E                     | -                 |
| ENCE N  | ORTH 89   | 9*53'37"  | Ī         | L31      | S09'01'01"E                     |                   |
| BEGINN  | .95 FEET<br>ING; THE  | NCE   | Ī         | L32      | S00'34'10"W                     | 37.88             |
| FT- TH  | ENCE SO   | DETH  | İ         | L33      | S04'40'19"E                     |                   |
| TH 34   | UTH 870<br>40'21" E<br>, A DIST   | AST, A  | t         | L34      | S06"45'16"E                     | 62.02             |
| EAST  | A DIST  | ANCE  | t i       | L35      | S10"11'12"W                     | 69.14'            |
| F OF 6  | ANCE OF<br>5.52 FEE   | T-  | t         | L36      | S20"28'58"W                     | 44.59'            |
| 5.95 FE   | ET: THE<br>ENCE NO<br>DUTH 48   | NCE   | ľ         | L37      | \$23'16'19"W                    | 64.98             |
| ET; THE   | ENCE NO   | RTH<br>10/15"   | ſ         | L38      | S28*37'17*W                     | 107.79            |
| 00'34   | '10" WES  | ST, A   | T.        | L39      | \$5917'35"W                     | 63.78'            |
| EAS   | T, A DIST<br>NCE OF   | TANCE   | 1         | L40      | S64'21'03"W                     | 67.33'            |
| OF 10   | 07.79 FE  | ET:   |           | L41      | N88'02'19"W                     | 54.87             |
| 7.33 F  | EET: THE  | INCE  |           | L42      | N85'21'17"W                     | 35.91'            |
| ICE NO  | RTH 59"   | 53'02"  |           | L43      | N60"11"01"W                     | 63.37'            |
| 1 70'31   | '53" WES  | ST, A   | ľ         | L44      | N30'11'30"w                     | 64.34'            |
| DIST  | NCE NOF<br>RTH 59'S<br>'53" WES<br>T, A DIS<br>NCE OF<br>7.90 FEE   | 1ANCE<br>52.65  |           | L45      | N59'53'02"W                     | -                 |
| E OF 5  | 7.90 FEE  | ET)   |           | L46      | N22'41'12"W                     | 55.08'            |
| 4.58 FE   | EET; THE<br>NCE SOL<br>DRTH 44<br>FEET, A   | ITH   | 20        | L47      | \$70*31'53"W                    | 85.77'            |
| NCE NO  | DRTH 44   | 42'12"  |           | L48      | S00'05'55"E                     | 60.02'            |
| 644.00<br>NCE RL  | FEET, A   |   |           | L49      | S07'47'15"W                     | 40.56'            |
| HENCE   | DEPARTI   | NG  |           | L50      | \$31'49'58"W                    | 52.27'            |
|   |   |   |           | L51      | \$26'00'27*W                    | 52.65'            |
|   |   |   |           | L52      | \$05'03'54"E                    | 58.32'            |
|   |   |   |           | L53      | 500"20'40"E                     | 57.90'            |
|   |   |   |           | L54      | \$34'42'49"W                    | 53.19'            |
|   |   |   |           | L55      | \$26'17'01"W                    | 64.58'            |
|   |   |   | L         | L56      | \$31*22'56"W                    | 53.95'            |
|   |   |   |           | L57      | \$14'27'02"E                    | 53.70'            |
|   |   |   |           | L58      | \$13'30'14"E                    | 33.14'            |
|   |   |   |           | L59      | \$45'17'48"W                    | 186.44            |
|   |   |   |           | L60      | N44'42'12"W                     | 316.25            |
|   |   |   | L         | L63      | N00'17'48"E                     | 158.94'           |
|   |   |   |           |          |                                 |                   |
|   | 10  |   | urve Tabi | - T      |                                 |                   |
|   |   |   |           |          |                                 |                   |
| urve #  | Length  | Radius  | Delta     | Cho      | ord Bearing                     | Chord             |

| 18V<br>72      |  | JAMES W ROLEMAN PSM #6485 |
|----------------|--|---------------------------|
| DATE REVISIONS |  |                           |
|                | O F<br>I O N<br>P H A S E<br>NSHIP 24 SOUTH.   |                           |
|                | KETCH 0<br>SCR IPTIO<br>NGR 0 VES<br>NGR 0 VES |                           |
|                | D E<br>A V A L O<br>sections 13.               |                           |
|                |  | - 2                       |

SHEET 1 OF 1

| 200      | FIRE HYDRANT                                      |
|----------|---|
| WV<br>WV | WATER VALVE                                       |
| GV       | GAS VALVE   |
|          |   |
| PSM      | PROFESSIONAL SURVEYOR AND MAPPER                  |
| LB       | LICENSED BUSINESS                                 |
| PRM      | LICENSED SURVEYOR<br>PERMANENT REFERENCE MONUMENT |
| PCP      | PERMANENT CONTROL POINT                           |
| PI       | POINT OF INTERSECTION                             |
| PT       | POINT OF TANGENCY                                 |
| PC<br>RP | POINT OF CURVATURE<br>RADIUS POINT                |
| D.U.E.   |   |
| -0-      | SIGN  |
| -OHU-    | OVERHEAD UTILITY LINE                             |

#### LEGAL DESCRIPTION (PROPOSED ASSESSMENT AREA 1)

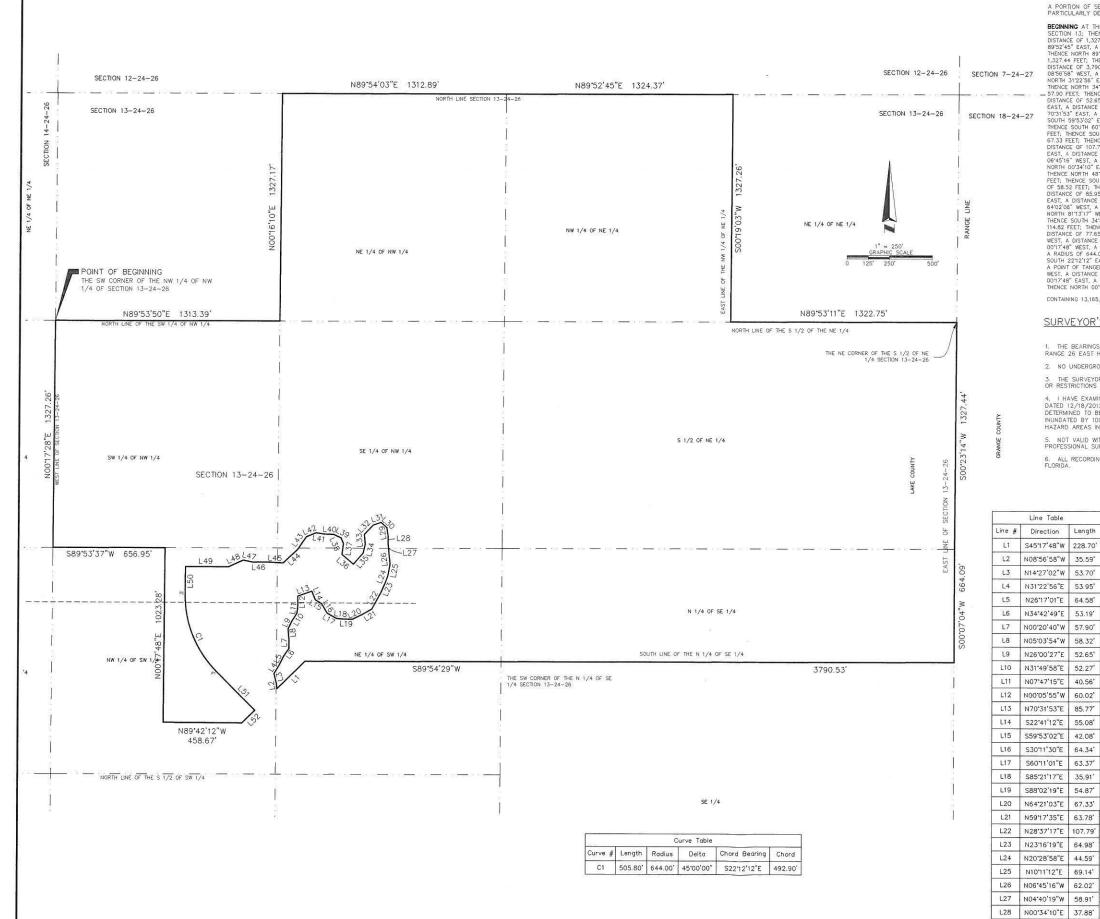
A PORTION OF SECTION 13, TOWNSHIP 24 SOUTH, RANGE 26 EAST, LAKE COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS: BEGINNING AT THE THE SOUTHWEST CORNER OF THE NORTHWEST 1/4 OF NORTHWEST 1/4 OF SAID SECTION 13, THENCE NORTH 893530° EAST, A DISTANCE OF 1,313,39 FEET, THENCE NORTH 001610° EAST, A DISTANCE OF 1,327.17 FEET, THENCE NORTH 99540°3 FEAT, A DISTANCE OF 1,327.26 FEET, THENCE NORTH 89531°1° EAST, A DISTANCE OF 1,327.57 FEET, THENCE SOUTH 0023'14° WEST, A DISTANCE OF 1,327.26 FEET; THENCE NORTH 95531°1° EAST, A DISTANCE OF 63.09 FEET, THENCE SOUTH 9023'14° WEST, A DISTANCE OF 1,327.26 FEET; THENCE NORTH 95531°1° EAST, A DISTANCE OF 53.19 FEET, THENCE NORTH 42702° WEST, A DISTANCE OF 1,327.26 FEET; THENCE NORTH 544.249° EAST, A DISTANCE OF 53.19 FEET, THENCE NORTH 42702° WEST, A DISTANCE OF 63.50 FEET; THENCE NORTH 544.249° EAST, A DISTANCE OF 53.19 FEET, THENCE NORTH 402704° WEST, A DISTANCE OF 63.50 FEET; THENCE NORTH 544.249° EAST, A DISTANCE OF 53.19 FEET, THENCE NORTH 402704° WEST, A DISTANCE OF 63.50 FEET; THENCE NORTH 544.249° EAST, A DISTANCE OF 53.19 FEET, THENCE NORTH 402704° WEST, A DISTANCE OF 53.09 FEET; THENCE SOUTH 60710° TEAST, A DISTANCE OF 53.19 FEET; THENCE NORTH 402704° WEST, A DISTANCE OF 53.09 FEET; THENCE SOUTH 544.249° EAST, A DISTANCE OF 53.19 FEET; THENCE NORTH 402704° WEST, A DISTANCE OF 53.68 FEET; THENCE SOUTH 549.30° EAST, A DISTANCE OF 53.09 FEET; THENCE NORTH 402710° EAST, A DISTANCE OF 53.68 FEET; THENCE SOUTH 549.30° EAST, A DISTANCE OF 53.09 FEET; THENCE NORTH 427107° EAST, A DISTANCE OF 63.34 FEET; THENCE SOUTH 549.30° EAST, A DISTANCE OF 54.87 FEET; THENCE NORTH 427107° EAST, A DISTANCE OF 53.68 FEET; THENCE NORTH 427107° EAST, A DISTANCE OF 53.68 FEET; THENCE NORTH 427107° EAST, A DISTANCE OF 53.79 FEET; THENCE NORTH 427107° EAST, A DISTANCE OF 54.37 FEET; THENCE NORTH 42710° EAST, A DISTANCE OF 54.37 FEET; THENCE NORTH 49710° EAST, A DISTANCE OF 53.79 FEET; THENCE NORTH 42710° EAST, A DISTANCE OF 53.79 FEET; THENCE NORTH 49731° WEST, A DIST

CONTAINING 13,165,430 SQUARE FEET OR 302.24 ACRES, MORE OR LESS.

#### SURVEYOR'S NOTES

5. NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED PROFESSIONAL SURVEYOR & MAPPER.

| Line Table           |         | Table Line Table |             |               |  |  |
|----------------------|---------|------------------|-------------|---------------|--|--|
|                      | Leasth  | Line #           | Direction   | Length        |  |  |
| Direction            | Length  | L29              | N09'01'01"W | 54.75         |  |  |
| 645'17'48"W          | 228.70  | L30              | N48'10'15"W | 45.62         |  |  |
| 108'56'58"W          | 35.59'  | L31              | S70*43'41"W | 47.64         |  |  |
| 14*27'02"W           | 53.70'  | L32              | S43-44'02"W | 75.29         |  |  |
| 131*22'56"E          | 53.95'  | L33              | S05'29'09"F | 58.52         |  |  |
| V26'17'01"E          | 64.58   | L34              | S13'08'54"W | 53.78         |  |  |
| 134 <b>·</b> 42'49"E | 53.19'  | L35              | S4114'49"W  | 85.95         |  |  |
| 00'20'40"W           | 57.90   | L36              | N49'33'12"W | 87.21         |  |  |
| 05°03'54"W           | 58.32'  | L37              | N06'59'09"E | 353451 (5374) |  |  |
| 26'00'27"E           | 52.65'  | L38              |             | 65.52         |  |  |
| 131'49'58"E          | 52.27'  |                  | N24'06'31"W | 35.19         |  |  |
| 07°47'15"E           | 40.56'  | L39              | N64'02'06"W | 45.70         |  |  |
| 00°05'55"W           | 60.02'  | L40              | N88'00'55"W | 54.43         |  |  |
| 70°31′53"E           | 85.77'  | L41              | N81'13'17"W | 50.28         |  |  |
| 22'41'12"E           | 55.08'  | L42              | S67*21'15"W | 60.77         |  |  |
| 59'53'02"E           | 42.08'  | L43              | S34'40'21"W | 91.81         |  |  |
| 30"11'30"E           | 64.34'  | L44              | S46'37'36"W | 114.82        |  |  |
| 60'11'01"E           | 63.37   | L45              | N87'09'49"W | 100.82        |  |  |
| 85'21'17"E           | 35.91'  | L46              | S89'18'54"W | 77.65         |  |  |
| 88'02'19"F           | 54.87   | L47              | N78'01'53"W | 56.01         |  |  |
| 64'21'03"E           | 67.33'  | L48              | S65'06'51"W | 95.33         |  |  |
| 15917'35"E           | 67.33   | L49              | N89'58'50"W | 250.01        |  |  |
|                      | 1000000 | L50              | S00"17'48"W | 158.94        |  |  |
| 28'37'17"E           | 107.79  | L52              | S44'42'12"E | 316.79        |  |  |
| 23'16'19"E           | 64.98   | L53              | S45'17'48"W | 106.00        |  |  |
| 20'28'58"E           | 44.59'  | <u> </u>         |             |               |  |  |
| 10"11'12"E           | 69.14'  |                  |             |               |  |  |
| 06*45'16"W           | 62.02'  |                  | LE          | GEND          |  |  |
| 04*40'19"W           | 58.91'  |                  |             | OC POI        |  |  |
| 00"34'10"F           | 37 88'  |                  |             | PT PO         |  |  |



A PORTION OF SECTION 13, TOWNSHIP 24 SOUTH, RANGE 26 EAST, LAKE COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

1. THE BEARINGS SHOWN HEREON ARE BASED ON THE WEST LINE OF SECTION 13, TOWNSHIP 24 SOUTH, RANGE 26 EAST HAVING A BEARING SOU'17'24"W, PER DESCRIPTION.

2. NO UNDERGROUND IMPROVEMENTS HAVE BEEN LOCATED EXCEPT AS SHOWN.

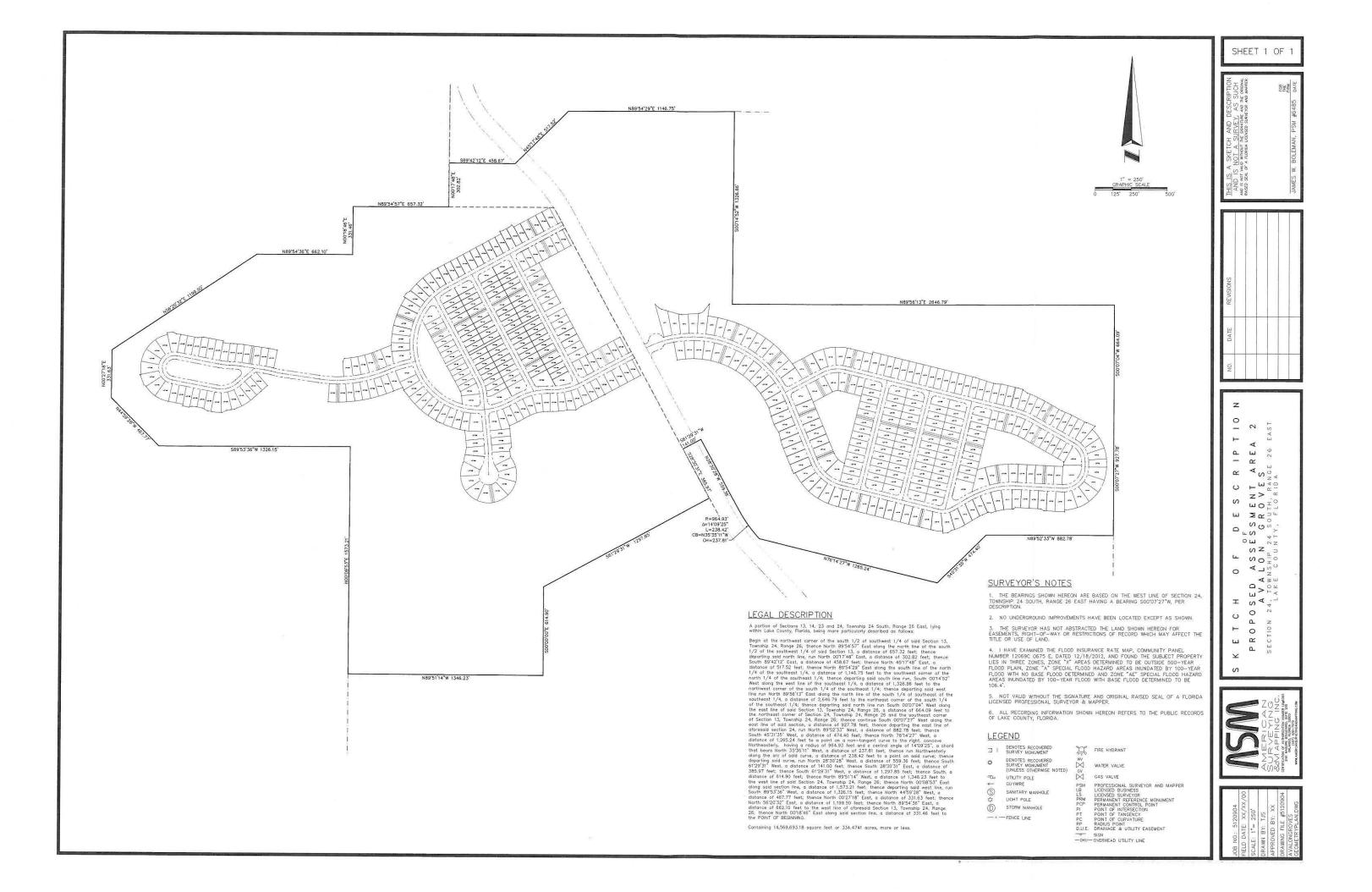
3. THE SURVEYOR HAS NOT ABSTRACTED THE LAND SHOWN HEREON FOR EASEMENTS, RICHT-OF-WAY OR RESTRICTIONS OF RECORD WHICH MAY AFFECT THE TITLE OR USE OF LAND.

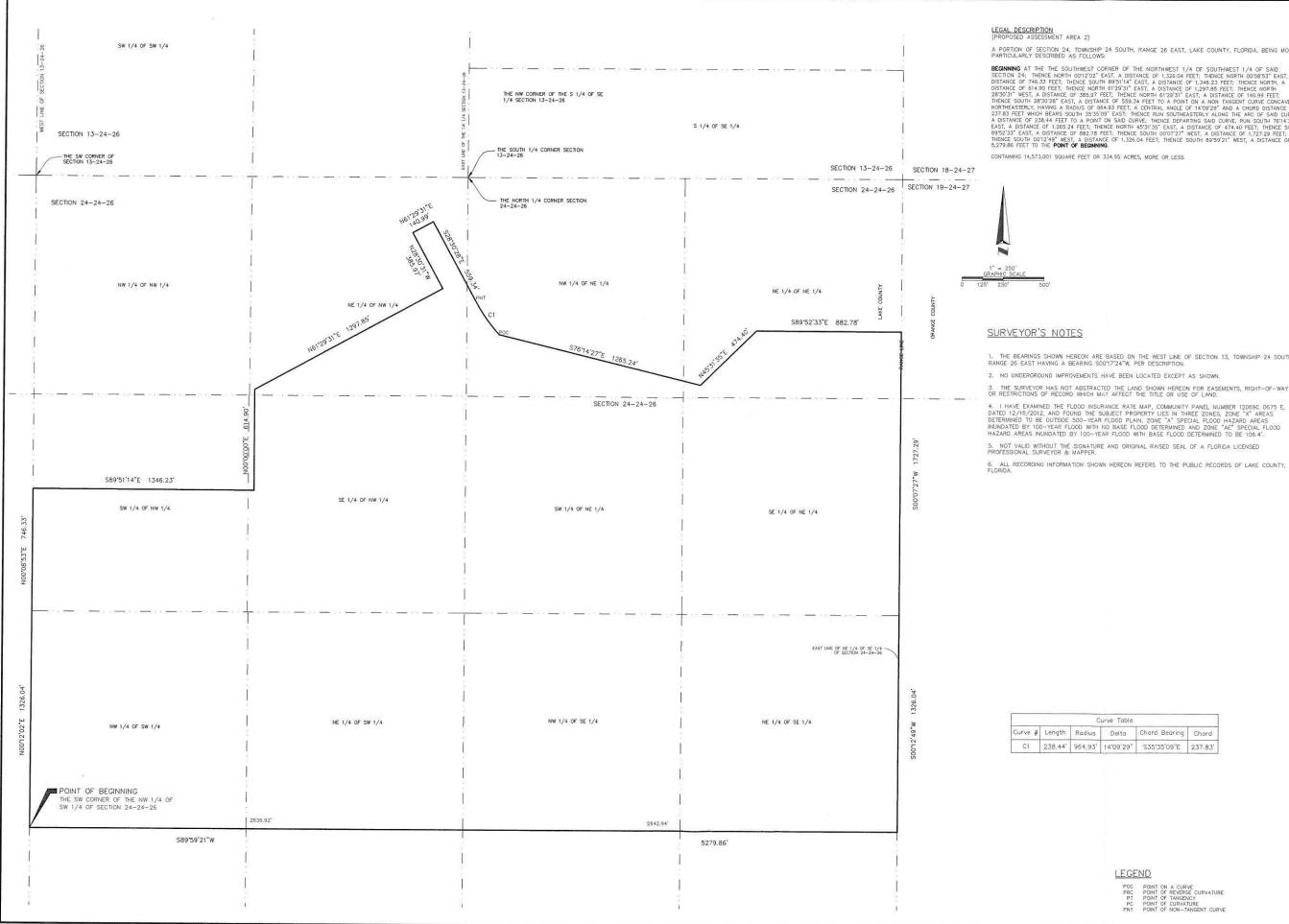
4. I HAVE EXAMINED THE FLOOD INSURANCE RATE MAP, COMMUNITY PANEL NUMBER 12069C 0675 E, DATED 12/18/2012, AND FOUND THE SUBJECT PROPERTY LIES IN THREE ZONES, ZONE "X" AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOOD PLAIN, ZONE "A" SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD WITH NO BASE FLOOD DETERMINED AND ZONE "AE" SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD WITH BASE FLOOD DETERMINED TO BE 106.4".

6. ALL RECORDING INFORMATION SHOWN HEREON REFERS TO THE PUBLIC RECORDS OF LAKE COUNTY, FLORIDA.

POC POINT ON A CURVE PRC POINT OF REVERSE CURVATURE PT POINT OF TANGENCY PC POINT OF CURVATURE PNT POINT OF NON-TANGENT CURVE

| BY THIS IS A SKETCH AND DESCRIPTION | AND IS NOT A SURVEY AS SUCH | RAISED SEAL OF A FLOREDA LOCKNEE |          |  | JAMES W. BOLEMAN, PSM #6485  |
|-------------------------------------|-----------------------------|----------------------------------|----------|--|--|
| REVISIONS                           |                             |                                  |          |  |  |
| DATE                                |                             |                                  |          |  |  |
|                                     |                             |                                  |          | SECTION 13, TOWNSHIP 24 SOUTH, RANGE 26 EAST<br>LAKE COUNTY, FLORIDA |  |
|                                     |                             |                                  | AMERICAN | & MAPPING INC.<br>CERTECATION OF AUTHORIZATION HUMBER LIBIOS         | 3591 MACHINE BOULEVAD SUITE 200<br>ORLANDO, FLORIDA 22803<br>WWW.AMERICANSIN VERSIGAUDIMAPENSI.COM |





A PORTION OF SECTION 24, TOWNSHIP 24 SOUTH, RANGE 26 EAST, LAKE COUNTY, FLORIDA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

BEGINNING AT THE THE SOUTHWEST CORNER OF THE NORTHWEST 1/4 OF SOUTHWEST 1/4 OF SAID SECTION 24: THENCE NORTH 0012/02' EAST, A DISTANCE OF 1,326.04 FEET, THENCE NORTH 0008'53' EAST, A DISTANCE OF 746.33 FEET, THENCE SOUTH 89'51'4' EAST, A DISTANCE OF 1,346.23 FEET, THENCE NORTH, A DISTANCE OF 14.90 FEET, THENCE NORTH 61'29'31' EAST, A DISTANCE OF 1,09'9'50' EAST HENCE NORTH 28'031' WEST, A DISTANCE OF 389.37 FEET, THENCE NORTH 61'29'31' EAST, A DISTANCE OF 109'9' FEET THENCE SOUTH 23'0'20' EAST, A DISTANCE OF 559.34 FEET TO A POINT ON A NON TANCENT CURVE CONCAVE NORTHEASTERLY, HAVING A RADIUS OF 964.93 FEET, A CENTRAL ANGLE OF 14'09'20' AND A CHORD DISTANCE OF 23'.33 FEET WHICH BEARS SOUTH 33'35'0' EAST. THENCE RUNS CURVES THENCE SOUTH 26'0'20' AND A CHORD DISTANCE OF 23'.33 FEET WHICH BEARS SOUTH 33'35'0' EAST. THENCE RUNS CURVESTERLY ALONG THE ARC OF SAID CURVE, A DISTANCE OF 23'34' FEET TO A POINT ON SAID CURVE. THENCE DEPARTING SAID CURVE, RUN SOUTH 70'14'27' EAST, A DISTANCE OF 23'24' FEET, THENCE NORTH 45'13'3' EAST. A DISTANCE OF 74.40 FEET, THENCE SOUTH 89'23'33' EAST, A DISTANCE OF 82,78 FEET, THENCE SOUTH 00'2'27' WEST, A DISTANCE OF 1,727.29 FEET, THENCE SOUTH 00'24'9' WEST, A DISTANCE OF 15,74.40 FEET, THENCE SOUTH 89'59'21' WEST, A DISTANCE OF 1,727.29 FEET, THENCE SOUTH 00'24'9' MEST, A DISTANCE OF 1,727.29 FEET, THENCE SOUTH 89'59'21' WEST, A DISTANCE OF 1,227.40 FEET, THENCE OF 1,127.29 FEET, THENCE SOUTH 89'59'21' WEST, A DISTANCE OF 1,227.39 FEET, THENCE OF 1,326.04 FEET, THENCE SOUTH 89'59'21'' WEST, A DISTANCE OF 5,279.86 FEET TO THE **POINT OF BEGINNING**.

1. THE BEARINGS SHOWN HEREON ARE BASED ON THE WEST LINE OF SECTION 13, TOWNSHIP 24 SOUTH, RANGE 26 EAST HAVING A BEARING S0017'24"W, PER DESCRIPTION.

3. THE SURVEYOR HAS NOT ABSTRACTED THE LAND SHOWN HEREON FOR EASEMENTS, RIGHT-OF-WAY OR RESTRICTIONS OF RECORD WHICH MAY AFFECT THE TITLE OR USE OF LAND.

4. I HAVE EXAMINED THE FLOOD INSURANCE RATE MAP. COMMUNITY PANEL NUMBER 12069C 0675 E, DATED 12/18/2012, AND FOUND THE SUBJECT PROPERTY LES IN THREE ZONES, ZONE "X" AREAS DETERMINED TO BE OUTSIDE 500-YEAR FLOOD PLAIN. ZONE "A" SPECIAL FLOOD HAZARD AREAS NUNDATED BY 100-YEAR FLOOD WITH NO BASE FLOOD DETERMINED AND ZONE "AE" SPECIAL FLOOD HAZARD AREAS INUNDATED BY 100-YEAR FLOOD WITH BASE FLOOD DETERMINED TO BE 106.4".

| C     | urve Table |               |        |
|-------|------------|---------------|--------|
| dius  | Delta      | Chord Bearing | Chord  |
| 4.93' | 14*09'29"  | S35'35'09"E   | 237.83 |

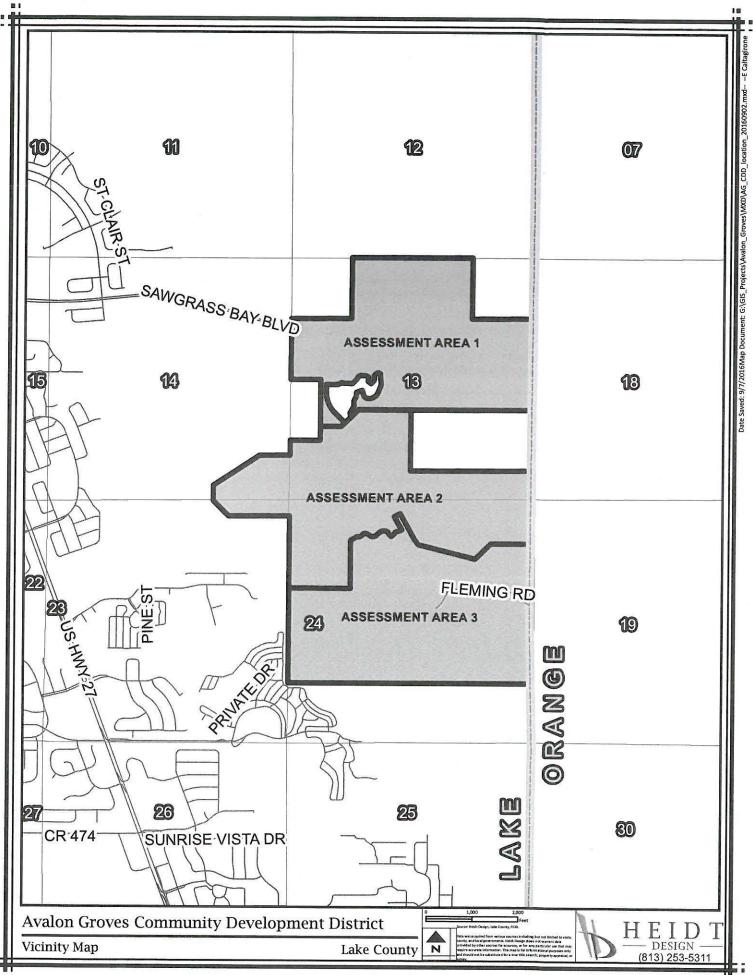
#### LEGEND

POC POINT ON A CURVE PRC POINT OF REVERSE CURVATURE PT POINT OF TANGENCY PC POINT OF CURVATURE PNT POINT OF NON-TANGENT CURVE

| IS A SKETCH AND DESCRIPTION | AND IS NOT A SURVEY AS SUCH AND IS NOT A SURVEY AS SUCH | A SCAL OF A FLUTTUNE ULLIVELY SURVEILUR AND MARTER, |         | FOR                         | JAMES W. BOLEMAN, PSM #6485 DATE                                      |
|-----------------------------|---|---|---------|-----------------------------|---|
| BY THIS                     | AN  |   |         |                             | JAN   |
| REMSIONS                    |   |   |         |                             |   |
| DATE                        | z   |   |         |                             |   |
|                             | T 10  | E A 3   |         | 26 EAST                     |   |
|                             | S C R I P   | NT AREA   | ш<br>>  | A G E                       |   |
| and the second second       | ы<br>Ш<br>О   | OF<br>SESSMEN                                       | L G R O | 24 SOUTH, RA<br>NTY, FLORID |   |
|                             | L<br>O  | ED ASS  | VALON   | AKE COU                     |   |
| -                           | I   | OSED  | A       | 4 24.<br>L                  |   |
|                             | I T C   | ROP   |         | C 110                       |   |
|                             | SKETC   | PROP  |         | SECTION                     |   |
|                             | SKETC   | 0   |         | 20                          | 04.0001 (2001 (2001 (2001))<br>WWM. ANERC-ANSIA (ETROANED-AUPTICE.COM |

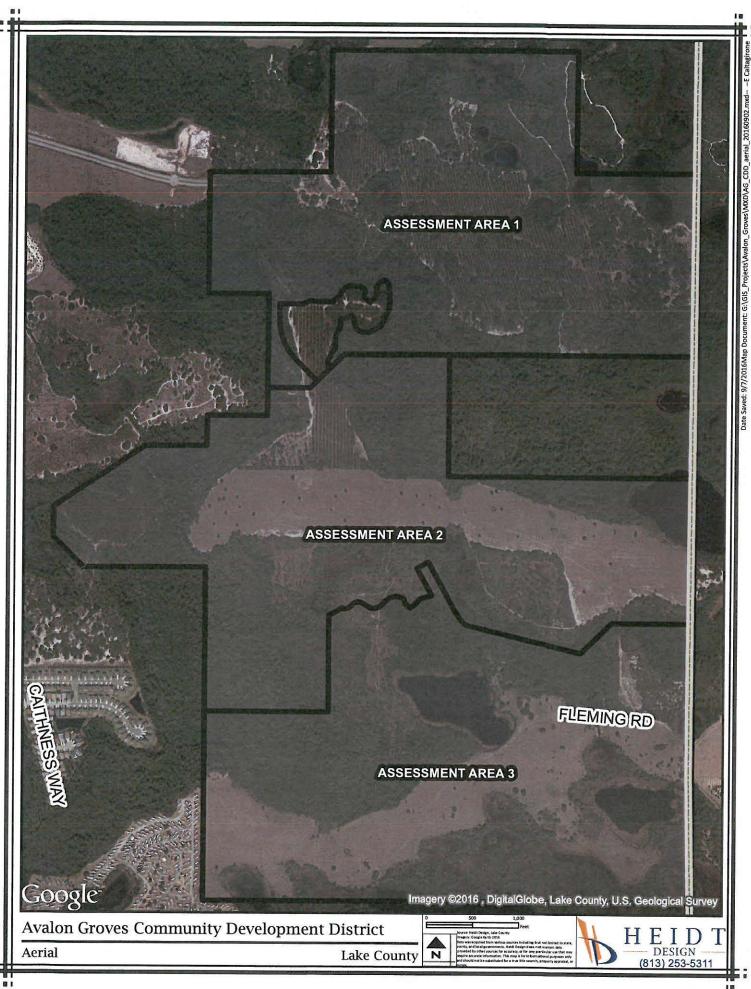
# **Appendix B**

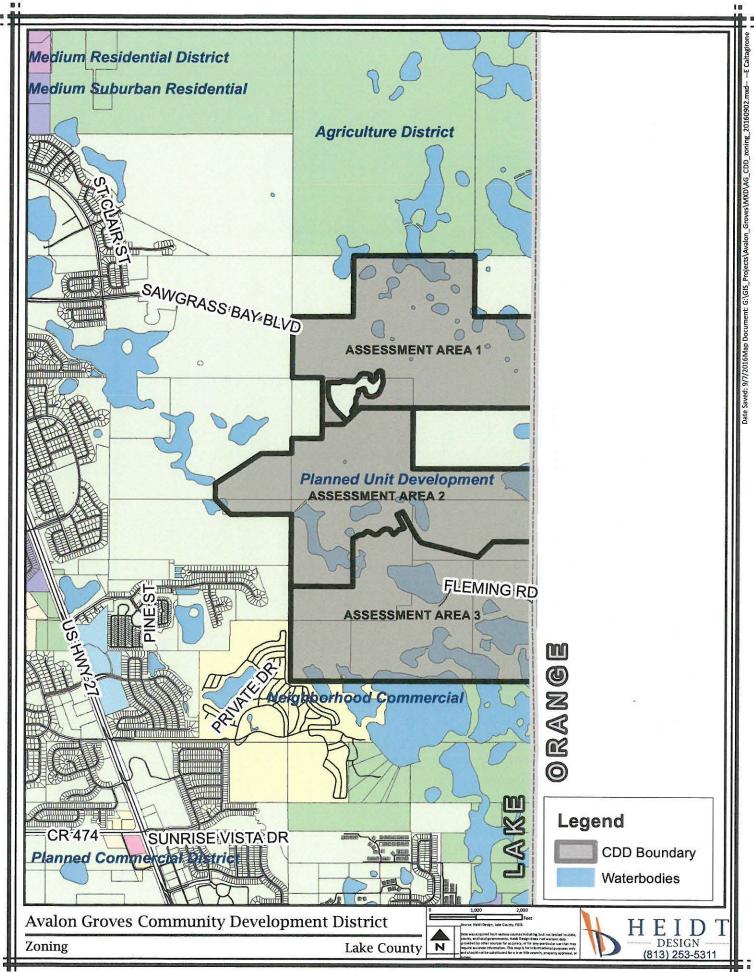
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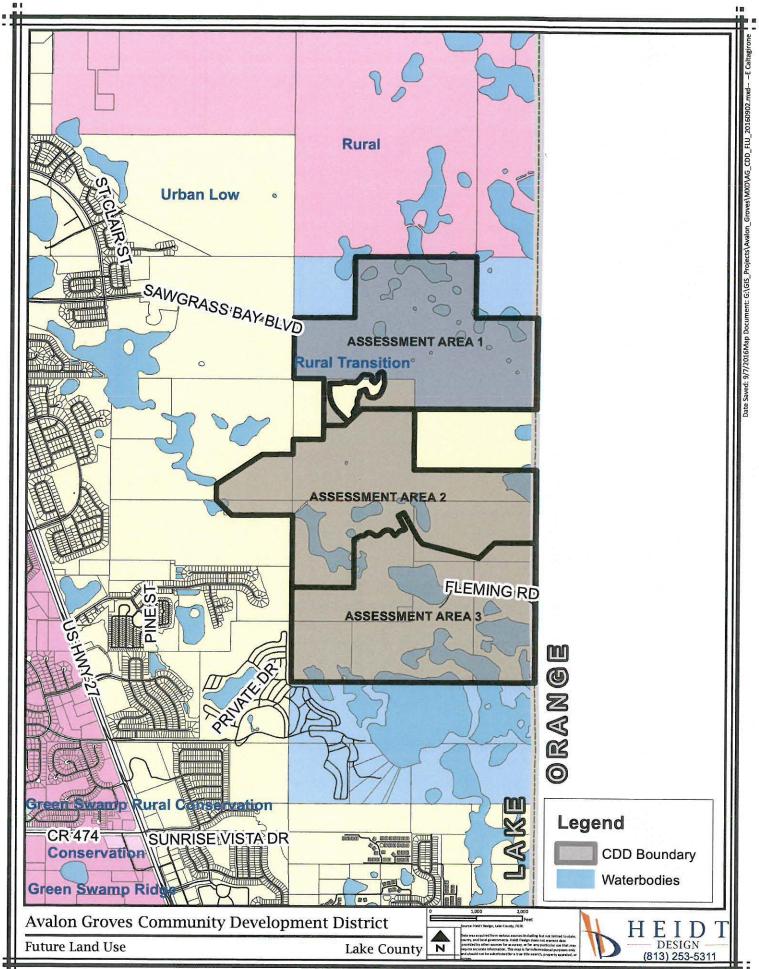


# **Appendix C**

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