



SKETCH SHOWING VERTICAL AND HORIZONTAL LOCATIONS OF WETLAND PRESERVATION AREA INDICATORS

Topographic Surveyor's Report

SURVEYOR'S REPORT

OLD TRAIL GOLF COURSE

Prepared for:
WALLACE SURVEYING



Setting the benchmark for excellence!

Prepared by:
PICKETT SURVEYING & ENGINEERING



PICKETT AND ASSOCIATES PROJECT NO.: 19126
TITLE/TYPE OF SURVEY: Topographic Survey
DATE OF SURVEY: This Map is based on LIDAR data & aerial imagery from 10/19/19

NOTE: THIS REPORT AND ACCOMPANYING MAP TITLED OLD TRAIL GC, ARE NOT FULL AND COMPLETE WITHOUT THE OTHER AND ARE NOT VALID WITHOUT THE SIGNATURE AND ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

Pickett and Associates, Inc. • 475 South First Avenue • Baytown, FL 33630 • (850) 533-0055

DATUM:

HORIZONTAL:
Coordinates are referenced to the East Zone of the Florida State Plane Coordinate System, NAD 83 and were Client provided.

VERTICAL:
Elevations are to North American Vertical Datum of 1988 and were Client provided.

Photo-Identifiable Control Points Used:

Pin	Northing	Easting	Elevation
PID1	964370.37	913248.11	16.80
PID2	964552.80	917085.70	16.26
PID3	959882.23	916917.04	17.29
PID4	959768.21	914007.37	18.11

ACCURACY STATEMENT: The following stated plus, or minus tolerances encompass a minimum of 90% of the difference between photogrammetrically measured values and any ground truth of all well-identified features. Mapped features will meet or exceed the Florida Standards of Practice as set forth in Rule 5J-17.

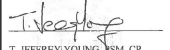
VERTICAL:
Contours have an estimated vertical positional accuracy of 0.5'. Spot elevations have an estimated vertical positional accuracy of 0.25'.

HORIZONTAL:
Well-identified features have an estimated horizontal positional accuracy of 1.0'. All measurements are in U.S. Survey Feet.

Measurement Methods:
Color digital imagery was acquired at an average altitude of 3000' using a metric precision digital camera whose focal length is 70.3mm. The planimetrics shown are limited to those features visible on aerial imagery. Mapping was performed using LIDAR and softcopy photogrammetric techniques. The LIDAR data has an estimated point sample distance of 0.25 foot and a density of 16.24 points per square foot (±174.8 points per square meter). For a vertical accuracy check, the LIDAR data was compared to the four (4) points set as targets for aerial imagery. The Root Mean Square Error of the Elevations (RMSEZ) is 0.066 foot, being the equivalent of 0.13' FGDC/NSDDA Vertical Accuracy. All measurements are in U.S. Survey Feet.

Limitations:
This mapping should be used for preliminary design work only and should not replace an actual field survey where the required accuracy is greater than the accuracy stated in this report. No responsibility is assumed for areas outside the contracted scope.

MAP PLOTTING:
This map is intended to be displayed at a scale of 1" = 40' (1:480) or smaller.


T. JEFFREY YOUNG, RSM, CP
FLORIDA REGISTRATION NO. 5440
PICKETT AND ASSOCIATES, INC.
FLORIDA REGISTRATION NO. 364

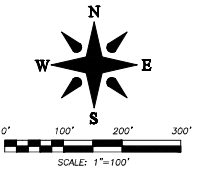
10/16/19
SURVEY DATE

- NOTES:
- "MOSS LINE" and "ROOT LINE" date based on locations established in field by Kate Bongarzone of the Chappell Group, a certified DBE/MBE/CBE/SBE firm.
 - Elevations shown hereon are in U.S. Survey Feet and decimal parts thereof, are on NAVD-88, and are based on the following benchmarks published on the Martin County Vertical Control Map:

BENCHMARK #1, "OT-2"
Mag nail and blue aluminum washer stamped "OT-2",
published elevation = 17.06 NAVD-88

BENCHMARK #2, "OT-5"
Mag nail and blue aluminum washer stamped "OT-5",
published elevation = 16.16 NAVD-88

Elevations for these 2 published benchmarks was checked by closed level loop with a vertical error between the benchmarks of 0.00 feet. These elevations were then transferred to the 4 Photo-Identifiable Control Points (PID's) listed in the Topographic Surveyor's Report by closed level loop with a vertical error of 0.01 feet. No ground truthing of topographic survey elevations was performed by the undersigned surveyor, only the establishment of the "PID" elevations.
 - Coordinates shown hereon are grid, East Zone of the Florida State Plane Coordinate System, and are based on NAD 83 (NRS 2007), as provided by subscription to Topnet GNSS Network.
 - Unless presented in digital form with electronic seal and electronic signature this drawing must bear the signature and the original raised seal of a Florida licensed surveyor or mapper, otherwise this drawing is for informational purposes only and is not valid.
 - See Topographic Surveyor's Report (B) right for expected horizontal and vertical accuracy for underlying topographic map. Distances shown hereon are in U.S. Survey Feet as measured on horizontal plane.
 - Bearings shown hereon are based on the South line of the West one-half of Section 24, Township 40 South, Range 41 East, which is assumed to bear South 89°46'34" West and all other bearings are relative thereto.
 - See Wallace Surveying Corporation Drawing Number: 18-1147-2 for complete boundary survey information and conditions. This is NOT A BOUNDARY SURVEY.



CERTIFICATION:
I HEREBY ATTEST that the Moss and Root Line Horizontal and Vertical Locations shown hereon are true and accurate to the best of my knowledge and belief.

LAST FIELD DATE: 10/30/2020

Robert J. Cajal
Professional Surveyor and Mapper
Florida Certificate No. 6266



Digitally signed
by Robert J Cajal
Date: 2020.11.04
07:55:04 -05'00'

JONATHAN'S LANDING GOLF CLUB, INC.

FIELD	C.E.	JOB NO.	18-1147-12	F.B.	194	P.S.	73
OFFICE	R.C.	DATE	10/30/2020	DWG. NO.	18-1147-5		
CK'D	R.C.	REF.	18-1147.DWG	SHEET	1 OF 1		