
SURVEYOR'S REPORT

ARCHER ROAD LANDFILL

Prepared for:



Prepared by:



PICKETT AND ASSOCIATES PROJECT NO.: 22-000-1398

TITLE/TYPE OF SURVEY: Topographic Survey

DATE OF SURVEY: This Map is based on aerial imagery & Lidar data flown
08/23/22

***NOTE: THIS REPORT AND ACCOMPANYING MAP TITLED ARCHER ROAD
LANDFILL, 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.***

HORIZONTAL DATUM:

All horizontal control was based on the Florida State Plane Coordinate System (East Zone), referenced to North American Datum 1983, adjustment of 2011 (NAD83(2011)) expressed in U.S. Survey Feet, and was Client provided.

VERTICAL DATUM:

The vertical datum used for this survey was the North American Vertical Datum of 1988 (NAVD88), also expressed in U.S. Survey Feet, and was Client provided.

Control Points Used for planimetric mapping:

Pt#	Northing	Easting	Elevation
241	191412.68	2586668.43	93.68
242	192435.84	2588012.32	96.77
243	190413.29	2586747.80	96.52
244	190437.06	2587994.48	99.05

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.

VERTICAL:

Contours have an estimated vertical positional accuracy of 0.5'. Spot elevations on paved surfaces have an estimated vertical accuracy of 0.25'.

HORIZONTAL:

Well-identified features have an estimated horizontal positional accuracy of 1.66', as per the Standards of Practice, Ch.5J-17, adopted by the State of Florida Department of Agriculture and Consumer Services, regulating Professional Surveyors and Mappers. 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 0.58 foot and a density of 2.95 points per square foot (± 31.75 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 0.056 foot, being the equivalent of 0.109' FGDC/NSSDA 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 or for the ground control provided the Client.

MAP PLOTTING:

This map is intended to be displayed at a scale of 1" = 50' (1:600) or smaller.

8/23/22

T. JEFFREY YOUNG, PSM, CP
FLORIDA REGISTRATION NO. 5440
PICKETT AND ASSOCIATES, LLC
FLORIDA REGISTRATION NO. 364

SURVEY DATE