

Brandy Branch Cemetery

Photographic Survey

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Introduction

Mr. Danny Mallard has volunteered to conduct a photographic survey of Brandy Branch Cemetery. The cemetery is located in southwest Nassau County. Figure 1 shows the route from the intersection of US-301 & US-90. Proceed west on US-90 (Lake City Rd.) for 2.1 miles, turn right onto CR-121 (River Road) and proceed 3.3 miles to Brandy Branch Rd. Turn left and proceed to cemetery.

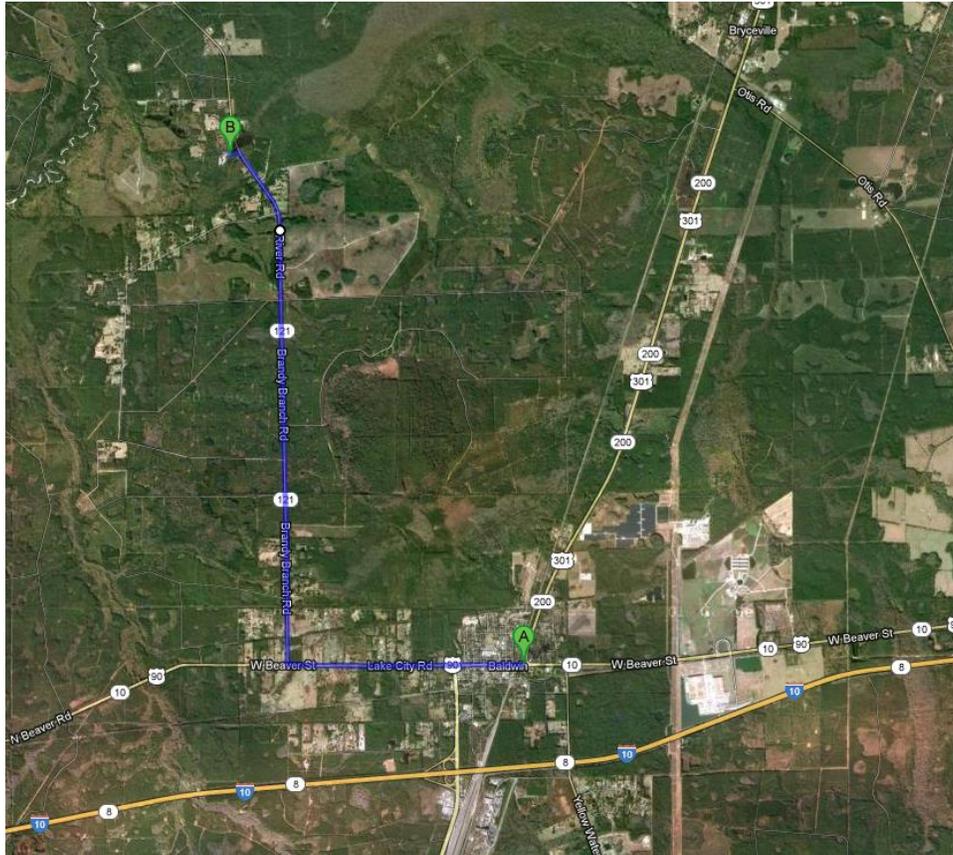


Figure 1 Brandy Branch Cemetery

According to the Nassau Property Appraiser's GIS the cemetery measures 375.99-ft (N/S) and 269.3-ft (E/W), see Figure 2.



Figure 2 Cemetery from Appraiser's GIS

In addition to the main cemetery there is a small fenced enclosure, on the north side, containing several burial plots.

Benchmarks and Divisions

Mike Toomey and Jim Miller assisted Danny by establishing a X-Y grid system that can be used to locate the photographs within the cemetery. The grid system consists of benchmarks on 100-ft x 100-ft intervals, which divide the cemetery into nine 100-ft x 100-ft divisions and seven partial divisions. The origin of the grid is the cemetery's southeastern fence post. The X axis is the cemetery's eastern fence line. The Y axis is an orthogonal line running roughly parallel to the southern fence line. The small fenced enclosure will be Division E2.

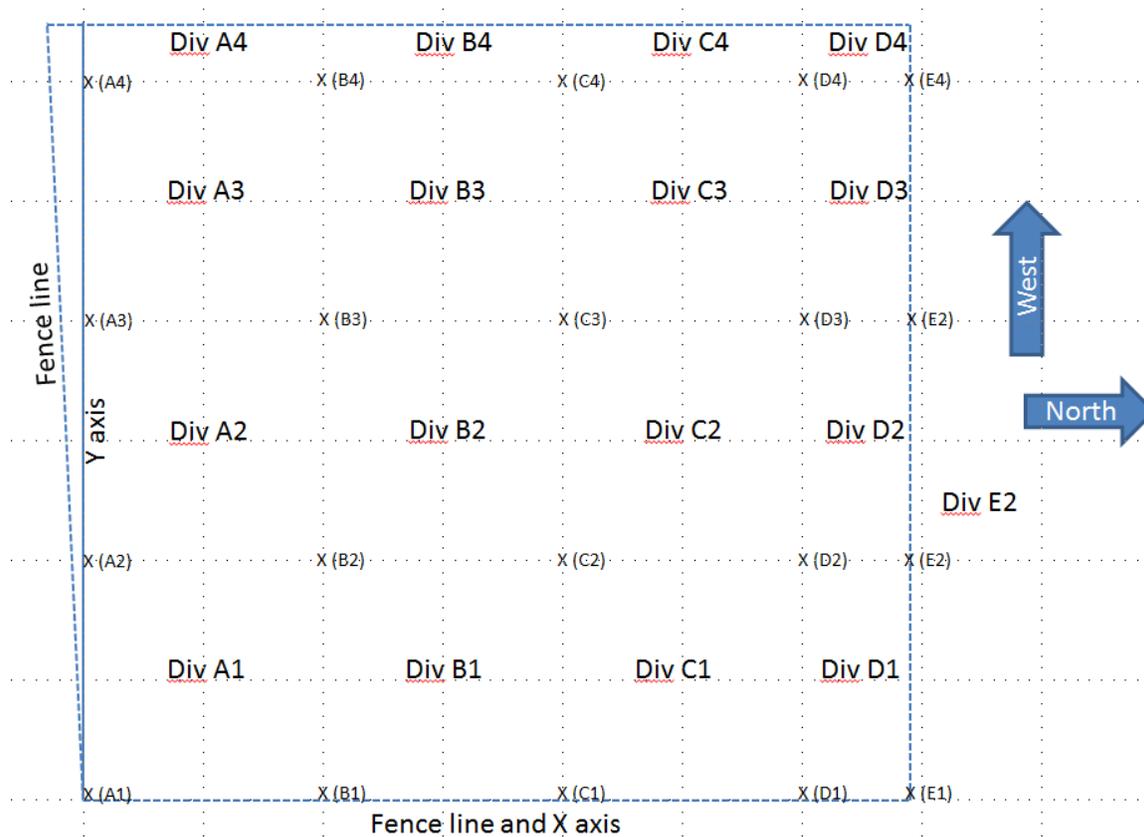


Figure 3 Grid Layout, Benchmarks and Divisions

The survey was done with a transit/level and a 100-ft tape measure. The estimated accuracy of the survey is ± 18 -inches¹. Because of the need to have room around the instrument benchmark in column A have a X-value of 4-ft and benchmarks in row 1 have an Y-value of 4-ft, while benchmarks in column A have a X-value of 4-ft. Benchmark E1 was located 4-ft from the northeastern fence post, in both the X & Y directions. The bearing from A1 to E1 establishes the direction of the X axis. The Y axis was

¹ The instrument was not plumbed over benchmarks, the rod was estimated to be vertical within $\pm 5^\circ$, and tape was not corrected for terrain/obstacles.

established by turning the instrument 90° counterclockwise. Because the northern fence determined the location of column E benchmarks², the E-benchmarks have varying X-values. Table 1 lists the coordinates of the benchmarks. Divisions A4, B4, C4, D4, D1, D2, D3 are the partial divisions. Division E2 is the small fenced area north of the main cemetery fence.

Note, benchmark A4 is 15-ft 5-in. north of the southern fence line, and 24-ft 1-in. east of the western fence line.

Grave locations within a division are given by the X & Y coordinate of the headstone or other marker, within the 100-ft by 100-ft grid that makes up a division.

Table 1 Benchmark Locations

Benchmark	X	Y	Benchmark	X	Y
A1	4	4	B1	100	4
C1	200	4	D1	300	4
E1	388 ³	4	A2	4	100
B2	100	200	C2	200	100
D2	300	100	E2	389	100
A3	4	200	B3	100	200
C3	200	200	D3	300	200
E3	386	200	A4	4	300
B4	100	300	C4	200	300
D4	300	300	E4	Not recorded	300

The approximate bearing of the X axis is 352°, and the Y axis is 82°.

Photo Survey Procedures

Before taking any photographs, it is necessary to layout the division. This consists of marking off the X & Y axis. Using a 100-ft tape measure and engineering flags mark off 10-ft intervals on each axis. Figure 4 shows the Y axis being layed out. Note because this division is adjacent to the fence the 4-ft offset of the benchmark A1 must be accounted for, in laying out the axes.

² With the exception of E1 which is 4-ft in the -X and +Y direction from the fence corner post.

³ The fence is 392-ft, due to the -4-ft X offset.



Figure 4 Y axis laid out

Each photo or sequence of photos is preceded by a photograph of the *clapboard*. The clapboard annotates the Division, X & Y coordinates and any notes. Figure 5 and Figure 6 are examples of clapboard photographs. Figure 5 is the clapboard for an oblique view of division A1⁴, the clapboard note field indicates the compass bearing of the corner, southeast in this case. Figure 6 is the clapboard for the first grave in division A1, the headstone's X & Y coordinate is estimated, using the engineering flags layed out on each axis.



The first photographs for a division consist of a set of oblique photos, taken from each corner benchmark, for division A1 these are BMs A1, A2, B2 & B1. Each oblique consist of 3 photos which make up a panoramic view of the division⁵.

Because the plots are roughly in rows, parallel to the easterly fence, the photos are taken in sequence along the row. For each grave the following sequence is taken, per clapboard:

⁴ A panoramic sequence was taken from each of the corners of the Division.

⁵ One down each axis and one at 45°.

1. Combined (family) headstone if present,
2. Tight shot of individual's headstone
3. Footstone



Figure 7 Family Headstone

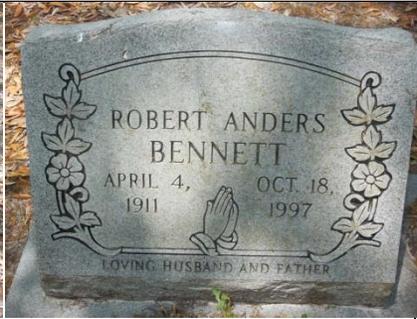


Figure 8 Individual Headstone



Figure 9 Footstone

Photos are taken of individual headstones when a date of death is given⁶.

The X & Y coordinates are estimated for the center of the individual's headstone.

The sequence for the 2nd individual with a family headstone does not include the family headstone.

If there is information on the back of the family headstone take a photo, with preceding clapboard with "back" in the note field.

⁶ Exceptions can be made if you believe a burial has taken place.