

RELATED EXPERIENCE

CITY OF MUSKEGON CEMETERY MANAGEMENT SYSTEM FOR RESTLAWN CEMETERY

Johnson & Anderson was contracted by the City of Muskegon to develop a cemetery management system for Restlawn Cemetery. The cemetery management system was based on integrating the legacy cemetery records into an ESRI Geographic Information System (GIS) map. The goal was to

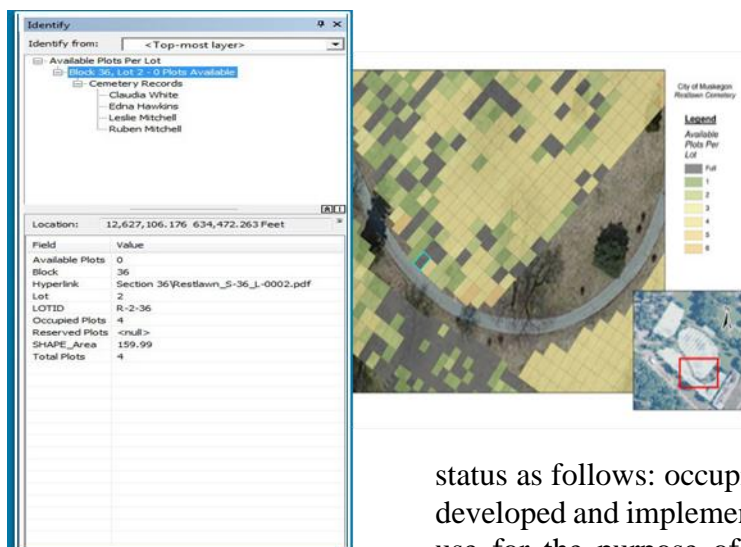
Location:	City of Muskegon
Date of Services:	2015
Cost of Services:	\$22,115
Client:	City of Muskegon
Contact:	Mr. Mohammed Al-Shatel, P.E. (231)724-4100

improve and enhance the efficacy of the City's current cemetery record system. Restlawn Cemetery was established in 1924 and consists of 13 acres with over 6,700 plots.

J&A staff collected field survey information related to lot and block locations and road centerlines. Field survey data was collected using GPS (global positioning system) equipment utilizing State Plane Coordinates.

Using collected field survey data, J&A staff created shapefiles of the cemetery showing lot and block locations. Using ArcMap, an ESRI software, existing cemetery maps were "rubber sheeted" to assist in lot and block reconstruction. Lot and block locations were geographically positioned by using field survey data and best fit techniques.

J&A digitized the existing paper cemetery documents into electronic files. Existing paper documents were scanned, indexed. Digitized record documents were uploaded into a database and digitally linked to the Restlawn Cemetery GIS. Links to open related scanned documents are attached to features in GIS for simple retrieval.



J&A linked layers in the Cemetery GIS to the City's existing burial database. The database included: Cemetery Code, First and Last Name, Grave, Lot, Block, and death information, as available. The City now has the ability to add or edit burial information and print location maps. The interface also allowed the City to perform plot searches to retrieve burial and plot information. A color legend was developed to graphically show lot

status as follows: occupied, reserved, for sale, or unusable. J&A developed and implemented a web-based user interface for public use for the purpose of a cemetery burial search. Search and

printing tools were developed to assist in grave inquiries.