



Office Location

AAG Bldg. Lot 7 Block 4
Arty 2 Rd Arty Subdivision
Brgy. Talipapa Q.C.
Philippines 1116



+(632) 508-5549



+(632) 508-5549



info@aag.com.ph

Visit our website!



<http://www.aag.com.ph>

Services

Geodesy

- Topographic Survey
- Relocation Survey
- Hydrographic Survey
- Road & River Survey
- Detailed Engineering
- GPS Control Network
- 1st Order Leveling
- Construction Survey
- Parcellary Mapping

GIS

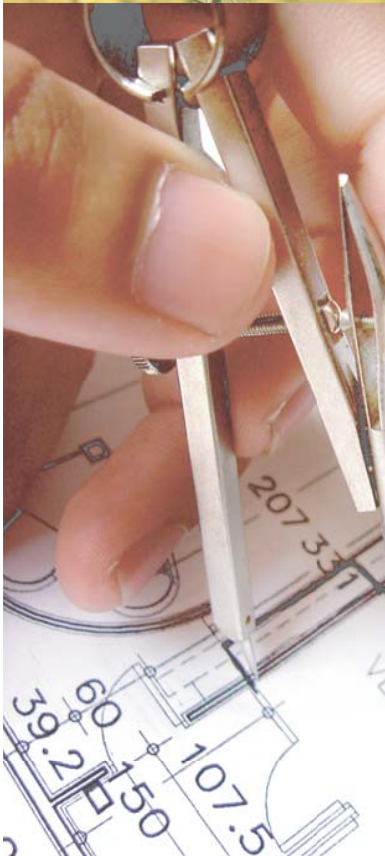
- Digital Mapping
- Orthophoto Mapping
- Tax Base Mapping
- Raster Vector Conversion
- Digital Terrain Modeling
- Computer Aided Design
- Database Design
- Satellite Imagery Registration
- Digital Cartography

AAG Land Surveying

Managing Mapping Information



Surveyors, Engineers
Architects



GEODESY + GIS

AAG Land Surveying was established in 2007 to provide a service in the field of Spatial Information.

We have structured our company into 2 main divisions - Geodesy & Geographic Information System. These 2 groups complement each other in delivering a complete service in the field of geoinformation.

Our Survey Teams use the latest available survey equipments in gathering field data. We have invested heavily in the acquisition of modern instruments like GPS, Total Stations & Digital Levels in order to get the most accurate data in the shortest possible time.

Once the field work is completed, all field data are then processed by our GIS Division to create accurate maps & drawings. Our processing of field data rely on the latest computer hardwares and softwares.

Our clients over the years have included Government Institutions, Architectural & Design Firms, Real Estate Developers, Engineering Consulting Firms, Urban Planners, Construction Firms and private individuals.

Clients

- Abridge Solutions Australia
- Aero Asahi Corporation
- Abalhkail Consulting Engineers
- Baggerwerken Decloedt & Zoon Belgium
- B&B International Leisure Group
- Budji Layug & Associates
- Bureau of Soils
- CMC di Ravenna Asia Inc
- DCCD Consultants
- Department of Energy
- Department of Public Works & Highways
- Design Coordinates Inc
- Government Service Insurance System
- First Gas Philippines Inc
- HydroTerre Consultants Inc
- Japan International Cooperation Agency
- Kaizen Investments
- Landev Inc
- LBC Bank
- Maunsell Aecom Australia
- National Irrigation Administration
- National Mapping & Resource Information Authority
- Nishimatsu Construction Palau
- Philkoei & Engineers
- Rchitects Inc
- Renardet Consultants
- Resort Trust Palau
- SM Investments Inc
- Social Security System
- WV Coscolluela & Associates

When is a Survey Usually Required?

Before title to land is conveyed, it is necessary to have an accurate description of the property for the deed, including an accurate determination of the area. It is also important to have an accurate determination of the area of the lot and to know if there are any physical features or title overlaps which might constitute encroachments or, in some other way adversely affect the title to the land. Only an up-to-date survey, by a Geodetic Engineer, can give you this information.

Why Survey Costs Vary...

The Geodetic Engineer's fee will include the time to search for deeds or court records, locate the physical boundary evidence at the property, make the necessary computations to check the boundary, place appropriate markers on the property, and prepare the survey map.

The cost of the survey will vary because of missing corner evidence, disputed boundary lines, rough terrain, heavy underbrush, poor land descriptions, and travel time to and from the property.

The Geodetic Engineer can survey your land only according to the deeds and other available information. The location of the boundary lines marked by the surveyor is only a professional opinion based on the evidence found in the records and on the ground. However, the accuracy by which the Geodetic Engineer accomplishes this service is backed by his professional integrity.



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GEODESY + GIS

What is GIS?

"GIS is an integrated system of computer hardware, software, and trained personnel linking topographic, demographic, utility, facility, image and other resource data that is geographically referenced." - NASA

This is probably the most asked question posed to those in the Geographic Information Systems field and is probably the hardest to answer in a succinct and clear manner.

GIS operates on many levels. On the most basic level, GIS is used as computer cartography, i.e. mapping. The real power in GIS is through using spatial and statistical methods to analyze attribute and geographic information.

Some practical uses of a GIS can be found in:

- Tax, Business & Licensing Office of LGU
- Emergency Planning & Disaster Prevention
- Real Estate Parcel Management
- Real-Time Asset & Vehicle Tracking via GPS
- Drainage and Flooding Analysis

Past Projects

- 3D Terrain Mapping Mt. Iwate Japan
- Abridge GPS Navigation Map of Singapore
- Aerial Photo Rectification Iruma City Japan
- Asian Terminals Inc Bataan Port Hydrographic Survey
- FPIC Batangas-Pandacan Gas Pipeline Alignment Survey
- Hagonoy River Cross-Section Profile Survey
- Manila Water Company Laguna Lake Hydrographic Survey
- Map Digitising Topographic Map Fukuoka City Japan
- NAMRIA 1st Order Leveling Mindoro Oriental
- NAMRIA 4th Order GPS Control Network Zambales
- NAMRIA Mangrove Monitoring GIS Database
- NIA Major Irrigation System GIS Database
- Nishimatsu JV Airport Runway Verification Survey
- NRIMP2 Calapan-Mansalay Section Mindoro Oriental
- Orthophoto Rectification Yashio City Japan
- Palau Compact Connecting Road Alignment Survey
- Pasig River Topbank Topographic Survey
- RCBC Fort Bonifacio Head Office Topographic Survey
- Relocation Survey GIS Compound Roxas Boulevard
- Resort Trust Golf Course Topographic Survey
- Sewerage GIS Database Ube City Japan
- SLEX Detailed Engineering Survey Extension
- SM Inns Bacolod City
- SSS Bagbag Compound Topographic Survey
- Tax Mapping of Sayama City Japan
- Topographic Relocation Survey Clark Airbase
- Topographic Survey Manila Golf Club

Civil Engineering & Construction Services

- Pre-construction Survey
- Topographic Survey
- Relocation Survey
- As-built Survey
- Building Layout
- Surface & Volume Survey
- Mining Survey
- Parcellary Mapping
- Road Alignment & Cross-section
- Detailed Engineering Survey

Mapping & Geodesy Services

- Base Mapping
- Cadastral Survey
- GPS Horizontal Control Survey
- Precise Geodetic Control Survey
- 1st Order Leveling
- Photogrammetric Control Survey
- Land Use Classification

Hydrographic Survey Services

- Harbour Maintenance Survey
- River & Inshore Waterway Survey
- River and Waterway Cross-section Survey
- Seabed Profiling
- Bridgesite Survey

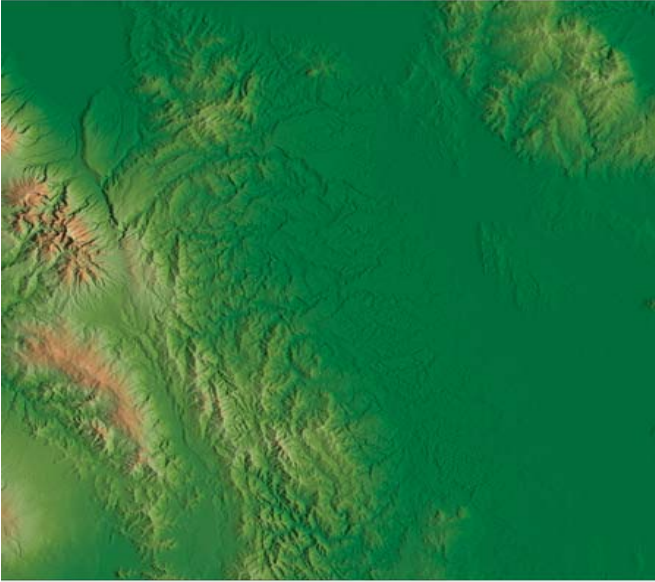
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CONTROL DATA AND MONUMENTS - continued	PROJECTION AND GRIDS	BATHYMETRIC FEATURES	COASTAL FEATURES
Vertical control	Neatline	Area exposed at mean low tide; sounding datum line***	Foreshore flat
Third-order or better elevation, with tablet	Graticule tick	Channel***	Coral or rock reef
Third-order or better elevation, recoverable mark, no tablet	Graticule intersection	Sunken rock***	Rock, bare or awash; dangerous to navigation
Bench mark coincident with found section corner	Datum shift tick		Group of rocks, bare or awash
Spot elevation	State plane coordinate systems		Exposed wreck
GLACIERS AND PERMANENT SNOWFIELDS	Primary zone tick	BOUNDARIES	Depth curve; sounding
Contours and limits	Secondary zone tick	National	Breakwater, pier, jetty, or wharf
Formlines	Tertiary zone tick	State or territorial	Seawall
Glacial advance	Quaternary zone tick	County or equivalent	Oil or gas well; platform
Glacial retreat	Quinary zone tick	Civil township or equivalent	
LAND SURVEYS	Universal transverse mercator grid	Incorporated city or equivalent	
Public land survey system	UTM grid (full grid)	Federally administered park, reservation, or monument (external)	
Location approximate	UTM grid ticks*	Federally administered park, reservation, or monument (internal)	CONTOURS
Location doubtful	RAILROADS AND RELATED FEATURES	State forest, park, reservation, or monument and large county park	Topographic
Protracted	Standard gauge railroad, single track	Forest Service administrative area*	Index
Protracted (AK 1:63,360-scale)	Narrow gauge railroad, multiple track	Forest Service ranger district*	Approximate or indefinite
Range or Township labels	Narrow gauge railroad, single track	National Forest System land status, Forest Service lands*	Intermediate
Section line	Railroad siding	National Forest System land status, non-Forest Service lands*	Approximate or indefinite
Location approximate	Railroad in highway	Small park (county or city)	Supplementary
Protracted	Railroad in road	BUILDINGS AND RELATED FEATURES	Depression
Protracted (AK 1:63,360-scale)	Railroad in light duty road*	Building	Cut
Section numbers	Railroad underpass; overpass	School; house of worship	
Found section corner	Railroad bridge; drawbridge	Athletic field	
Found closing corner	Railroad tunnel	Built-up area	
Witness corner	Railroad yard	Range district office*	
Meander corner	Railroad in other railroad	Guard station or work center*	
Weak corner*	Perennial stream	Racetrack or raceway	
Other land surveys	Intermittent stream	Airport, paved landing strip, runway, taxiway, or apron	
Range or Township line	Perennial river		
Section line	Intermittent river		
Land grant, mining claim, donation land claim, or tract			
Land grant, homestead, mineral, or other special survey monument			

GEODESY + GIS

RELOCATION SURVEY:

A survey of the boundary of property according to the description in the recorded deed. Interior improvements such as buildings, drives, etc., are not located. Any improvements along the boundary affecting the use of or title to the property are located, such as fences, drives, utilities, buildings, sheds, streets, etc. Missing corner markers are replaced. A map showing the boundaries and improvements along the boundaries is prepared.

LOCATION SURVEY:

A boundary survey with the additional location of all the interior improvements. Missing corner markers are replaced. A map showing the boundaries and improvements is prepared. This type of survey may be required for the acquisition of a loan.

TOPOGRAPHIC SURVEY:

A survey locating improvements and topographic features such as elevations of the land, embankments, contours, water courses, roads, ditches, utilities, etc. This survey can be used in conjunction with a Location Survey in order to prepare a Site Design Map, a Subdivision Map, or an Erosion Control Plan.

SITE PLANNING SURVEY:

This survey uses a boundary and topographic survey as a base to design future improvements. It can be a design for a house, a residential subdivision, a store, a shopping center, a new street or highway.

CONSTRUCTION SURVEY:

Using surveying techniques to stake out buildings, roads, walls, utilities, etc. This includes horizontal and vertical grading, slope staking, and final as-built surveys.

GEOGRAPHIC POSITIONING SYSTEM:

GPS surveys use portable receiving antennas to gather data transmitted from satellites which are used to calculate the position of the object being located on the surface of the earth. The GPS antennas can be kilometers apart and still obtain very accurate data. GPS surveys are used to establish coordinate control points for the National Coordinate Systems, large boundary surveys, and subdivision surveys. It can also be used to collect data for Geographic Information Systems / Land Information Systems (GIS/LIS), such as the location of streets, homes, businesses, electric, phone & gas utilities, water & sewer systems, property lines' soil & vegetation types, water; courses, etc. This data can be used in future planning, preservation and development.

Portion of text courtesy of www.ncsurveyors.com
 Images courtesy of www.sxc.hu

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