





# PROJECT MANAGEMENT OFFICE

---

## TERMS OF REFERENCE

### LOT SURVEYING 25 Hectares BulSU Lot

The objective of the lot survey is to identify lots within the BulSU External Campuses.


The scope of the lot survey will be:

- a) Establishment of bench mark (horizontal and vertical control points) on the ground at strategic locations to carry out detailed survey.
- b) Sufficient permanent control points must be constructed at strategic places and coordinated both horizontally and vertically.
- c) Control points should be established evenly/ uniformly throughout the survey area. If the control points are established using GPS, survey stations should have inter visibility at least between two control points.
- d) The structure of the survey stations should be as per the requirement of the client.
- e) The detailed survey should commence only upon mutual acceptance of the accuracy of the control points.
- f) On the detailed survey, details of the specific boundaries of a property, as well as its area has provided. All notable physical features both man-made and natural which shall be, but not limited to, buildings, monuments, posts, pipelines, existing roads and stream/ canal crossings, cross-drainage structures, septic tanks, manholes etc. which are found on the ground should be surveyed.
- g) Standard cylindrical monuments (lot markers) used in defining and marking corners shall be made of concrete (mixture 1:2:3) at least 15 cm in diameter by 40 cm in depth and must be set 35 cm in the ground at the corners of lots.
- h) After the lot survey was done, survey plan and the lot data computation signed by the Licensed Geodetic Surveyor should be submitted.

Prepared by:

  
**Ma. Victoria V. Umali**  
PMO Engineer

Noted by:

  
**Ar. Ma. Saturnina C. Parungao, fuap**  
Deputy Director, Project Management Office