CHAPTER FIVE

5.0 Summary, Conclusion, Recommendation and Problem Encountered

5.1. SUMMARY

The perimeter and detail survey project was executed at the Federal staffs School, Adewole, Ilorin, Kwara State. The project was carried out accordingly with third-order surveying specifications. A thorough reconnaissance both office and field-was conducted to ensure efficient planning of field operations. This preliminary stage facilitated the identification of initial control points for accurate orientation, selection of appropriate surveying instruments, and choice of a Total Station as the primary tool. A sketch diagram/recce of the area to be surveyed was also produced during this phase.

The project encompassed various surveying activities including traversing, perimeter survey, leveling, detailing, and spot height determination. A Total Station was employed as the principal instrument throughout the operation. Traversing was conducted to establish the coordinates (Northings and Eastings) of the control stations, while elevations were determined through perimeter leveling. Tachometric methods were used to acquire positional data for new points.

Subsequent to fieldwork, data processing was undertaken, and a site plan was generated in both manual and digital formats. This final map depicted the perimeter and detailed features of the surveyed area. A comprehensive report was then compiled, documenting the entire workflow and methodology applied in the execution of the project.

5.2 CONCLUSIONS

In summary, the project was successfully executed, as the results obtained met the required standards and accuracy consistent with third-order survey specifications. Sufficient data was accurately acquired, processed, and presented in the final plans. All necessary computations

were carried out in line with the specified guidelines, adhering strictly to standard surveying practices and departmental regulations.

5.3. RECOMMENDATIONS

Based on my active participation in this practical project and the valuable experience gained during its execution, I offer the following recommendations:

1. Utilization of Survey Plans: The government should make use of the generated plans for informed decision-making regarding the school premises. It is also recommended that the school be properly fenced, as it is surrounded by multiple roads, posing potential security concerns.

Enhanced Resource Management: There should be improved supervision and maintenance of available resources such as the borehole, furniture (chairs and tables), and staff to ensure their effective use and longevity.

Integration of Computer Programming: The incorporation of computer programming into the curriculum is strongly recommended. This would enhance students' ability to process survey data more efficiently and accurately.

Project Availability for Review: This project and its outcomes are available for future reference, review, or further development.

5.4. PROBLEMS ENCOUNTERED

The problems we encountered at the site is somehow beyond our control cause the trees are obstructing the views between the pole man and the instrument man and the breeze keep shaking the staff but with human knowledge we were able to overcome the problem. Also the total station battery was also getting weak time to time, so it consumes us more battery and stress before getting another battery.

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