

CONDITIONS SURVEY AND REPORT FOR THE RECONSTRUCTION OF FEDERAL GOVERNMENT COLLEGE, IKOM GATE



**SUBMITTED BY:
ALUMNI PROJECT COMMITTEE
DATE: FEB 2019**



CONDITIONS SURVEY AND ASSESSMENT

INTRODUCTION

The Conditions Survey was done in order to access the existing Security/Gate House and the Gate Structure .

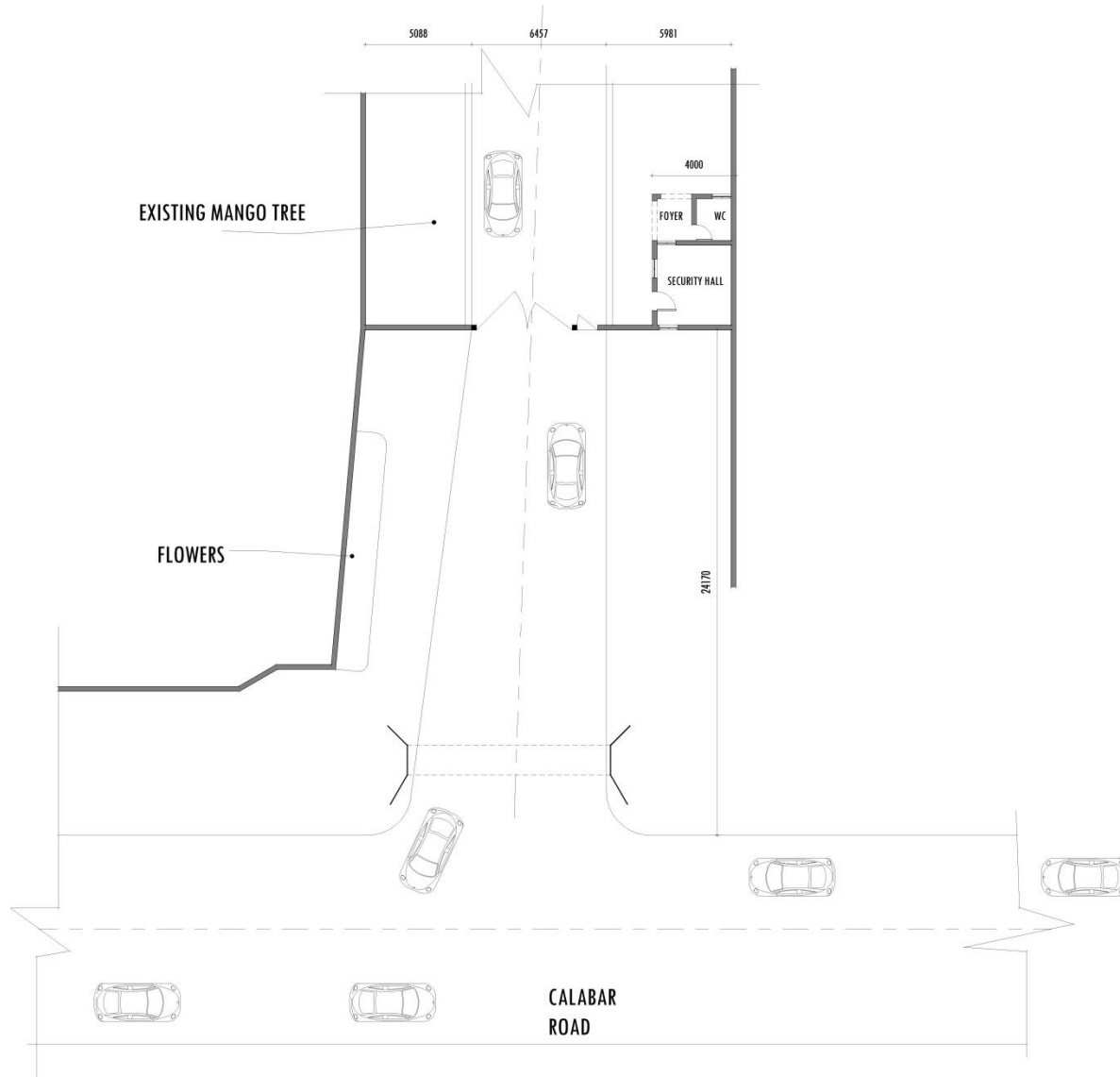
The Project Committee had been briefed about the Proposed Upgrade of the School Gate and sought to carry out the Survey following the outlining of the Project Delivery Guidelines.

INSTRUCTION

We confirmed your instruction to inspect the existing gate and recommend a Scope of Works to the Alumni for the 30th Anniversary.

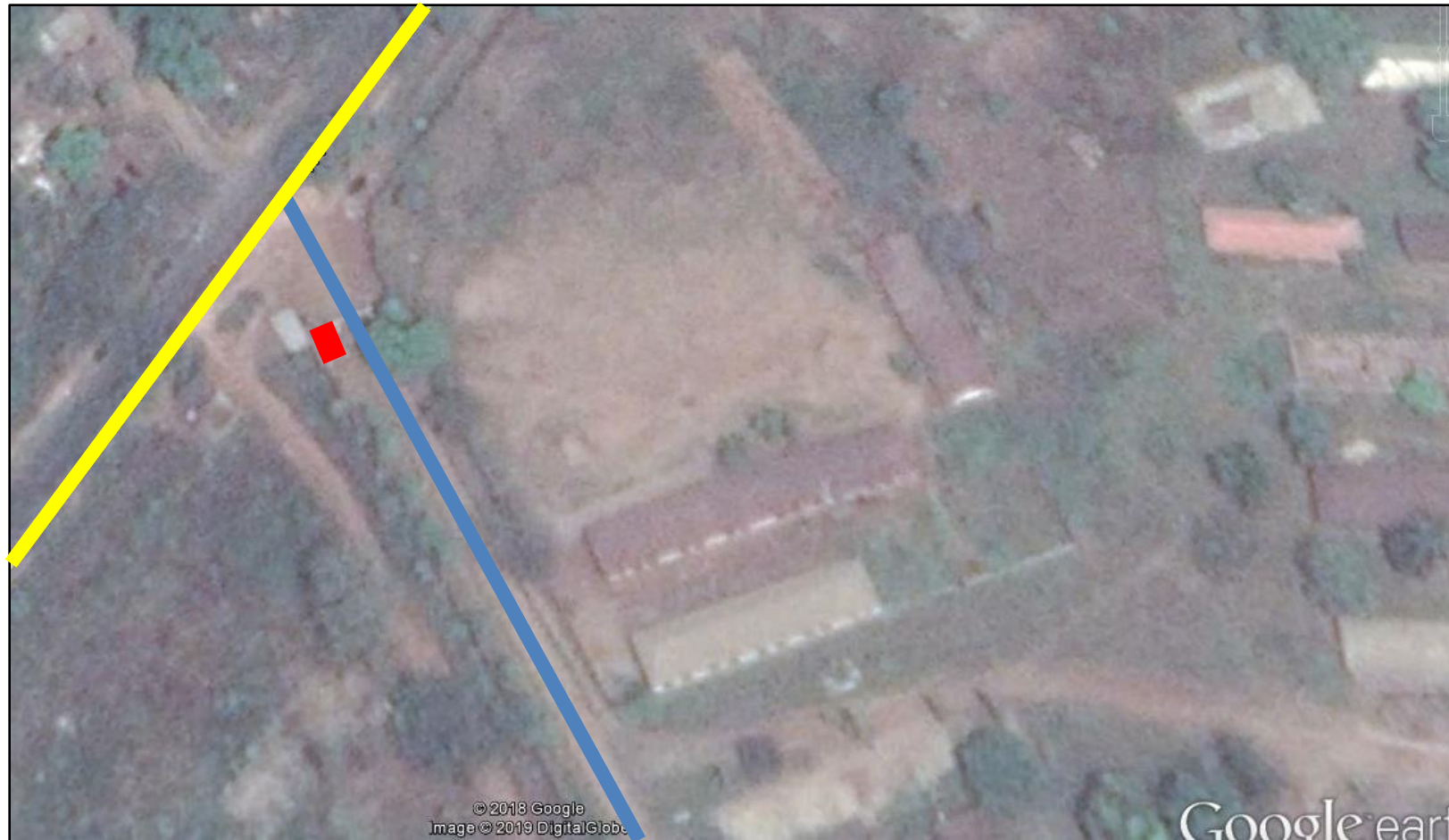
- This report is based on Visual Inspection only.
- No Core Drilling or Structural Tests were carried out.

EXISTING SITUATION



❑ EXSITING GATE LAYOUT





 *Calabar-Ikom Highway*

 *Driveway into School Premises*

 *Existing Gate House*

SATELITE IMAGERY OF EXISTING SCHOOL GATE IN RELATION TO CALABAR-IKOM HIGHWAY

EXISTING GATE HOUSE



☐ **VIEW FROM WITHIN THE SCHOOL COMPOUND**

EXISTING GATE HOUSE



❑ **VIEW FROM IKOM-CALABAR ROAD**



❑ **EXISTING FENCE : VIEWS FROM IKOM-CALABAR ROAD**



☐ **BEAUTIFICATION OF FENCE: AREA FOR PLANTING FLOWERS**



❑ **BEAUTIFICATION OF FENCE: AREA FOR PLANTING FLOWERS**

DATE OF INSPECTION

The inspection was carried out on the 11th February 2019 .

Access was granted by the School Authority and the inspection was carried out by select members of the Project Committee.

- The weather at the time was friendly.
- Photographs that have been included in this report were taken on day of inspection using digital cameras.
- Photographs have not been doctored or edited, other than addition of descriptive texts and arrows to highlight nominated items for clarity.

BRIEF OVERALL ASSESSMENT

The Gate Structure consists of a two central columns joined by a beam forming an archway with the gate below.

The gate is on the left side of the Gate House and is accessed by a single lane road.

OBSERVATION

GATE STRUCTURE/FENCE

Description:

The gate structure consists of two vertical columns of 5m height, used to support the rectangular archway, a Steel Double leaf gate, a pedestrian gate are below the archway and a barricade to control vehicular movement.

Condition:

1. The Columns and the beam that forms the rectangular archway are in good structural condition but in poor aesthetic condition as shown in fig 1.
2. The Columns are irregular in shape , thus causing a visual distortion not concurrent with the image of the School.
3. The Steel Gate is structurally unstable and has a poor aesthetic quality.
4. The barricade is not in a good working condition.
5. The fence is in Structurally good condition and in of minimal remedial works.



Fig 1. Picture Showing Gate Structure Condition

Recommendation

1. It is recommended that the Gate Structure is upgraded to a more aesthetically pleasing one, so as to portray a more vibrant image of the School.
2. Paints/Wall finish to be used should be of high quality and have an anti-weathering component, such that the new gate structure can be used for up to 15 years without need for remedial works.
3. The Colors to be used on the gate should reflect the School Colors.

GATE HOUSE

Description:

The Gate house is made up of a security hall, a foyer and convenience.

Condition:

1. The gate house is in fairly good condition, the roof structure was upgraded a while ago , and the external and aesthetic quality of the building is in need of remedy.
2. The windows are louver windows types and are in fairly good condition.
3. The internal walls are in good condition but have poor aesthetic quality.
4. The security hall space is constrained and cannot handle all the activities it would have been used for.
5. The door types are wooden panel doors and are not in good condition.

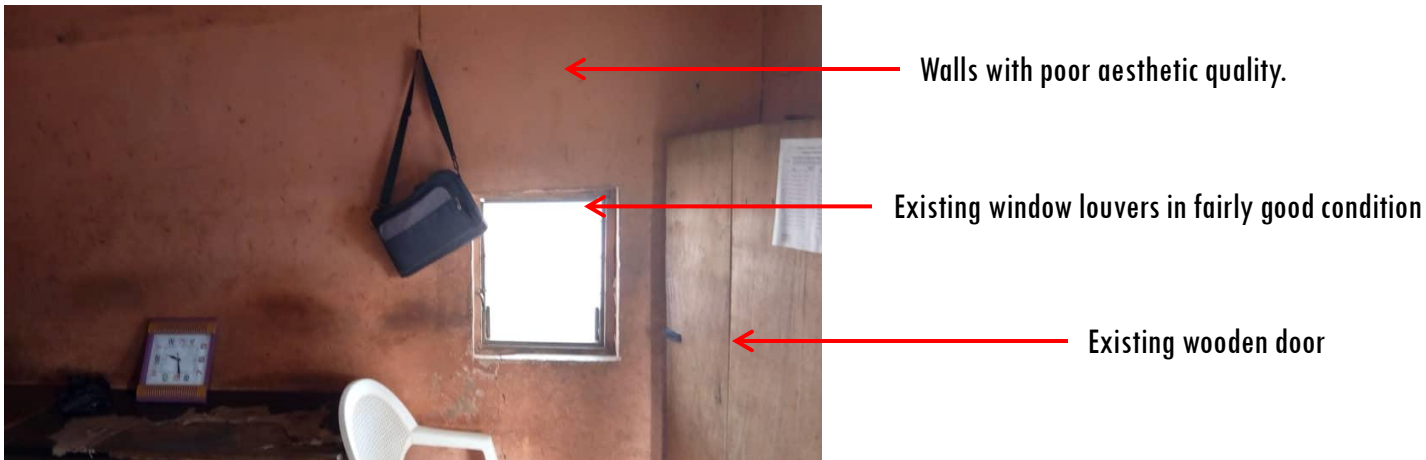


Fig 3. Picture showing the interior of the gate house.

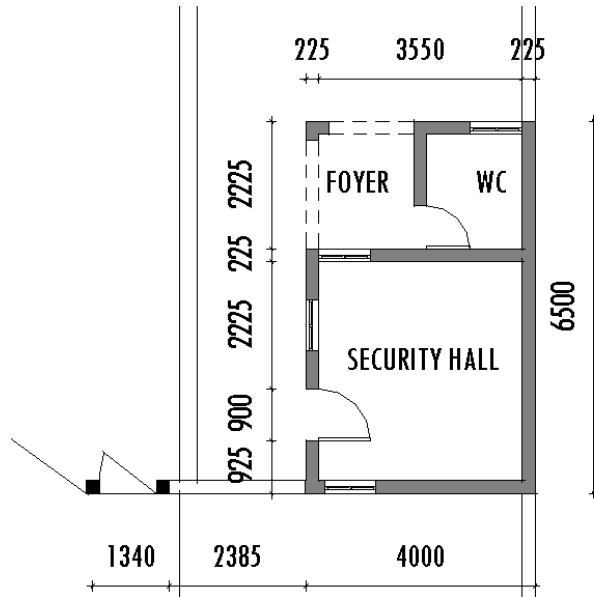


Fig 2. Gate House Floor Layout



Fig 3. Gate House External View

Recommendation

1. It is recommended that the Gate house is upgraded and all the items in fairly good condition be remedied.
2. It is of necessity (however optional) to increase the size of the security hall to accommodate a more defined space for:
Check in and Check-out Spaces for Students and Visitors.
3. The upgraded gate house should be done with the consideration of having the Pedestrian Access go through the gate house for better control and monitoring of pedestrian traffic.

CASE STUDIES (UNITY SCHOOLS)

The Case Study of Unity Schools is done to understudy School Entrance Gate Structures in the same context for the Proposed Project.

UNITY SCHOOLS : CASE STUDIES



F.G.G.C CALABAR GATE

The FGGC Calabar School Gate Project was executed recently and is one of the Unity Schools close to FGC Ikom.

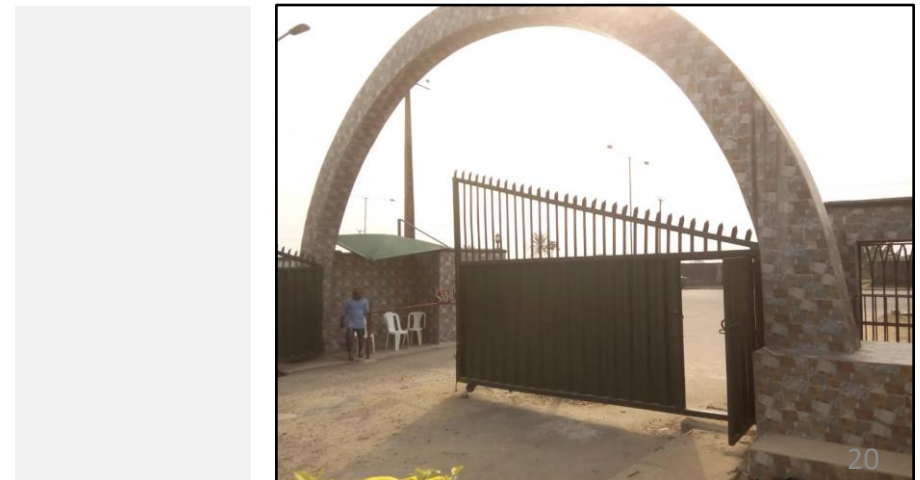
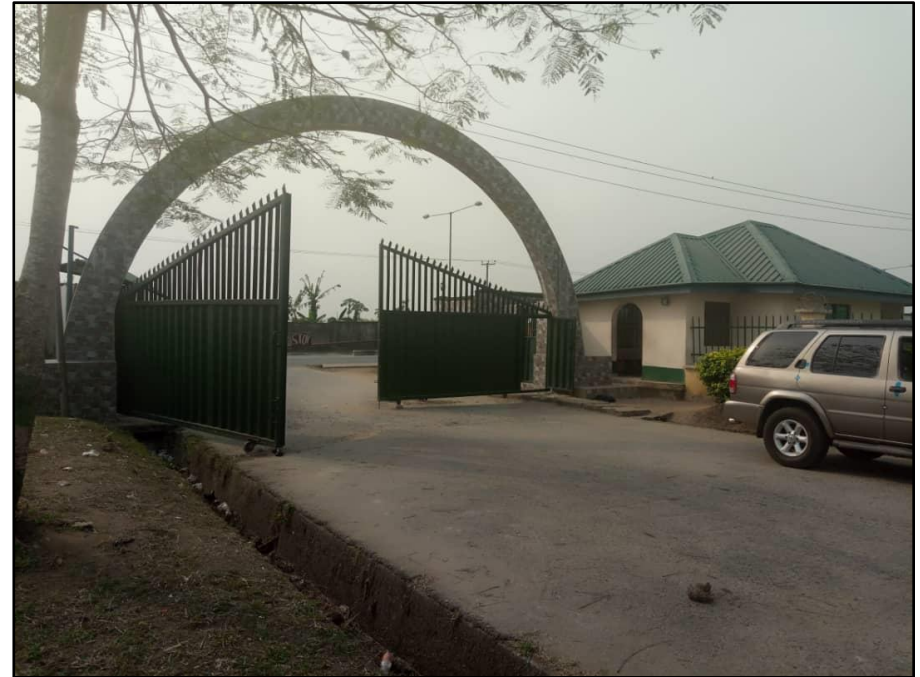
Members of the Project Committee were able to visit the premises and take pictures as well as do an assessment on the scope of works done.

DEDUCTIONS

1. The Scope of the Project included an upgraded security/gate house and a new gate structure.
2. A Single lane Gate Structure was adopted.
3. Color Scheme used was based on the Colors of the School Uniform.
4. A barricade was also included to control vehicular access.
5. Financial details of the Project have not been made available as at time of filing this report.

UNITY SCHOOLS : CASE STUDIES

F.G.G.C CALABAR GATE





❑ **FGC OGBOMOSO GATE**

This Case Study was carried out by visual observation of photographs.

DEDUCTIONS

1. A Dual lane Gate Structure was adopted, thus necessitating a Central Security / Gate House.
2. A Monumental Gate Structure Concept was used.
3. No barricade is included to control vehicular access.



❑ **FGGC BENIN CITY GATE**

This Case Study was carried out by visual observation of photographs.

DEDUCTIONS

1. A Single lane Gate Structure was adopted.
2. Gate Structure Includes a Triangular Arch and a Single Double Leaf gate.
3. No barricade is included to control vehicular access.
4. Landscaped area and flower beds around the gate present.



❑ **FGGC ABULOMA,PH GATE**

This Case Study was carried out by visual observation of photographs.

DEDUCTIONS

1. A Dual lane Gate Structure was adopted, thus necessitating a Central Security / Gate House.
2. A Monumental Gate Structure Concept was used, as well as a Color Scheme akin to the School Uniform.
3. No barricade is included to control vehicular access.
4. Landscaped area and flower beds around the gate present.



❑ **FGGC OYO GATE**

This Case Study was carried out by visual observation of photographs.

DEDUCTIONS

1. A Dual lane Gate Structure was adopted, thus necessitating a Central Security / Gate House.
2. A Monumental Gate Structure Concept was used, as well as a Color Scheme akin to the School Uniform.
3. A barricade is included to control vehicular access.
4. Landscaped Area and Flower beds around the gate present.

CASE STUDIES (ACADEMIC INSTITUTIONS)

*The Case Study of Academic Institutions is done to understudy the relevance of
School Gates to the Image of Schools.*



❑ UNIVERSITY OF NIGERIA NSUKKA GATE

This Case Study was carried out by visual observation of photographs.

DEDUCTIONS

- An iconic Gate Structure greets the Entrance to the School Premises.
- The Gate is used to project the image of the School.



❑ NILE UNIVERSITY OF NIGERIA, ABUJA

This Case Study was carried out by visual observation of photographs.

DEDUCTIONS

- An iconic Gate Structure greets the Entrance to the School Premises.
- The Gate is used to project the image of the School.
- Landscaped area and flower beds adorn the School Entrance.



❑ **NIGERIAN LAW SCHOOL, ABUJA GATE**

This Case Study was carried out by visual observation of photographs.

DEDUCTIONS

- An iconic Gate Structure greets the Entrance to the School Premises.
- The Gate is used to project the image of the School.



❑ **FEDERAL UNIVERSITY OF TECHNOLOGY AKURE**

This Case Study was carried out by visual observation of photographs.

DEDUCTIONS

- An iconic Gate Structure greets the Entrance to the School Premises.
- The Gate is used to project the image of the School.

PROPOSED PROJECT BRIEF

Following the Case studies and analysis of the requirements for the project, the project brief reads thus:

FGC IKOM GATE PROJECT BY FGC IKOM ALUMNI ASSOCIATION

The Project is aimed at upgrading the School Gate as the gate is the first impression any visitor and student has of the school, so it is important that the gate be designed and constructed to achieve the following goals:

1. The new gate structure and remodelled gate house will portray FGC Ikom's Image as an extra-ordinary and peculiar educational institution.
2. The gate house will be upgraded by renovation, and thus visually compliment the new gate structure.
3. The gate house will be upgraded to contain more hall space to allow pedestrian access for proper Check-in and Check-out documentation.
4. The new gate environment will be landscaped and have all year round evergreen flowers and plants.
5. The gate should be able to provide vehicular access for cars and trucks into the school compound.
6. A steel barricade should be included to also control traffic.
7. Building Materials to be used for finishing should be cost effective but indicative of sustainability. The materials should be able to withstand climatic and weather conditions akin to the FGC Ikom environment.