

LEAKURU YOUTH CENTRE

Design Brief

thesis 1977-78

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(This Design Report is submitted in part fulfilment of an examination for the award of a Bachelor of Architecture Degree of the University of Nairobi).

DECLARATION

This is my original work and has not been presented for a degree in any other University.

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Signature _____

Chairman, Department of Architecture,
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Signature _____

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A C K N O W L E D G E M E N T S A N D T H A N K S

The author wishes to gratefully acknowledge the help given by the lecturers and in particular my tutors Mr. J. H. Archer and Dr. E. Meffert, who assisted in the various stages of the design evolution of the project.

In addition to my tutors I am also indebted to the following persons who helped in the early formulation of the project: Mr. Watene, Director of Social Services, Nakuru Municipal Council for his information on Youth Problems in Nakuru;
Mr. Githire, the Municipal Architect for Nakuru Town and his staff for their invaluable help during my information gathering.

ABSTRACT

The main target group are people of the ages between 12 years and 35 years. However the centre will also cater for Nursery going children who may also be welcome to the centre. Other persons of an age above 35 years and with a youthful spirit may also be welcome for youthfulness sometimes has no age barrier.

The centre will have facilities for young children to help solve delinquent problems as well as training facilities for older youth that will help them acquire such skills as will help in job competition.

In addition there will be other recreational facilities in form of games for the youth such as judo and karate, table tennis, boxing, swimming, tennis, netball and basket ball.

As opposed to other existing youth centres under the Y.M.C.A. and Y.W.C.A. (Young Men/Women Christian Association), which have emphasis on hostel and recreational facilities my centre will have emphasis on training facilities. This is because in order to help the youth, they must have access to skills that will equip them to help themselves so that they will be better members of a future society.

NAKURU TOWN

Altitude - 1870 metres above sea level

Latitude 0° 16' S.

Longitude 36° 04' E.

Direction from Nairobi - 158 Km. to the Northwest by road.

POPULATION CHARACTERISTICS:

Existing population - 75,000 persons

Growth rate - 5.7% per year

43% of population is below 14 years of age

3%

3% of population is above 60 years of age

50% of population at 1969 census was illiterate

Therefore this indicates that the population of Nakuru

01. is youthful at 35,000 below 14 years old.

Therefore, there is need for a lot of recreational facilities if there is not to be juvenile crime.

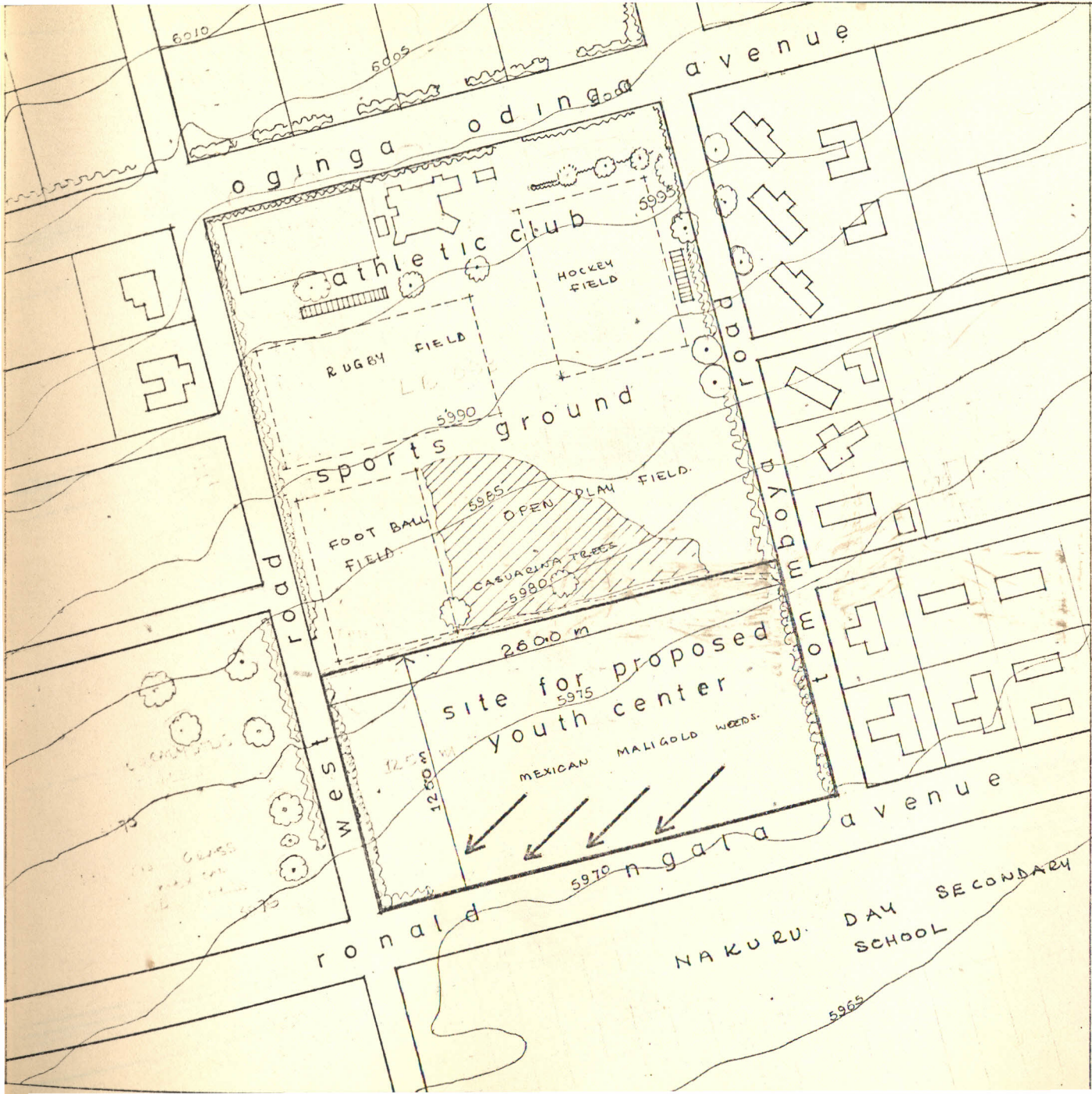
02. There is need for training facilities especially at adult literacy level in form of

evening classes, which are not available presently.

SITE ANALYSIS CRITERIA



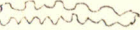
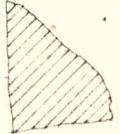
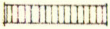
In search for a potential site the following considerations were taken into account:

01. Accessibility for most young people site had to be on a main throughfare where people pass on their way from the estates to work.
02. Site had to be at focus or centre of gravity on present and future Nakuru community.
03. Site had to be accessible and near existing zone for institutions for youth people such as Secondary School zone, Primary School zone and near public recreational area such as the Nakuru stadium.
04. Presently the site is vacant and next to the Nakuru Athletic Club. Therefore there will be sharing of playing fields and other activities. (see attached maps for services and site conditions).



site topography

key

-  EXISTING BUILDINGS
-  5980 CONTOURS [5 feet intervals]
-  PREVAILING WIND DIRECTION
-  EXISTING TREES
-  EXISTING FOOT PATH
-  EXISTING HEDGES
-  TALL AFRICAN GRASS
-  SPECTATOR SHELTER
- SOIL LOOSE VOLCANIC SOIL TO A DEPTH OF 4 METRE THEN HARD ROCK - TUFF UP TO 10M.

SCALE 1:2000

north


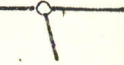

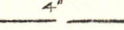


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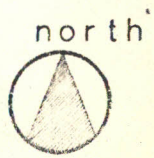


site services

key

-  TELEPHONE SERVICES
-  ELECTRICITY POWER DISTRIBUTION
-  SEWER-LINES
-  WATER SUPPLY PIPES DISTRIBUTION

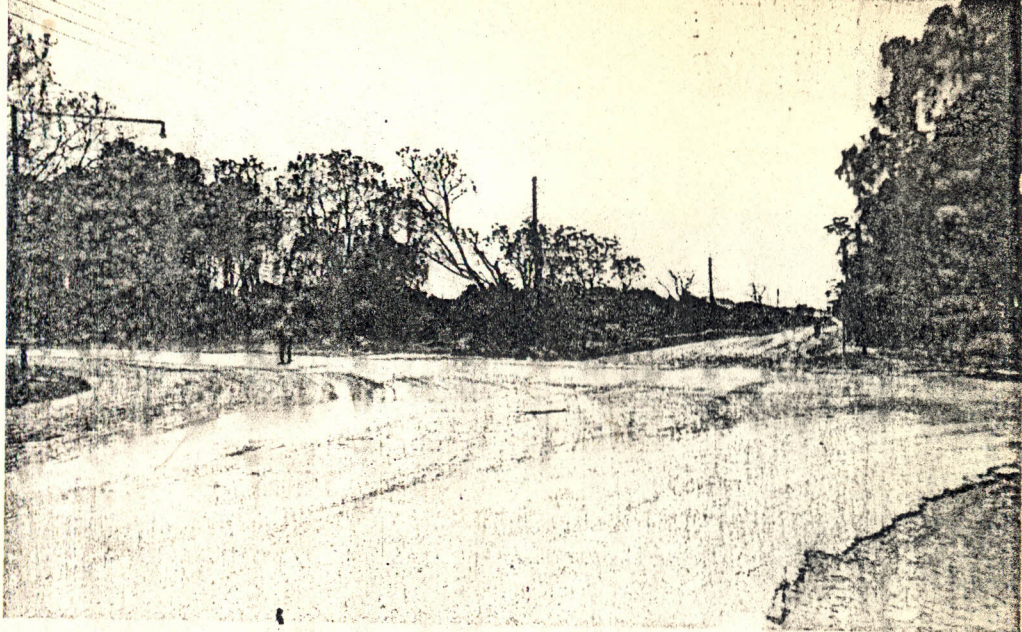
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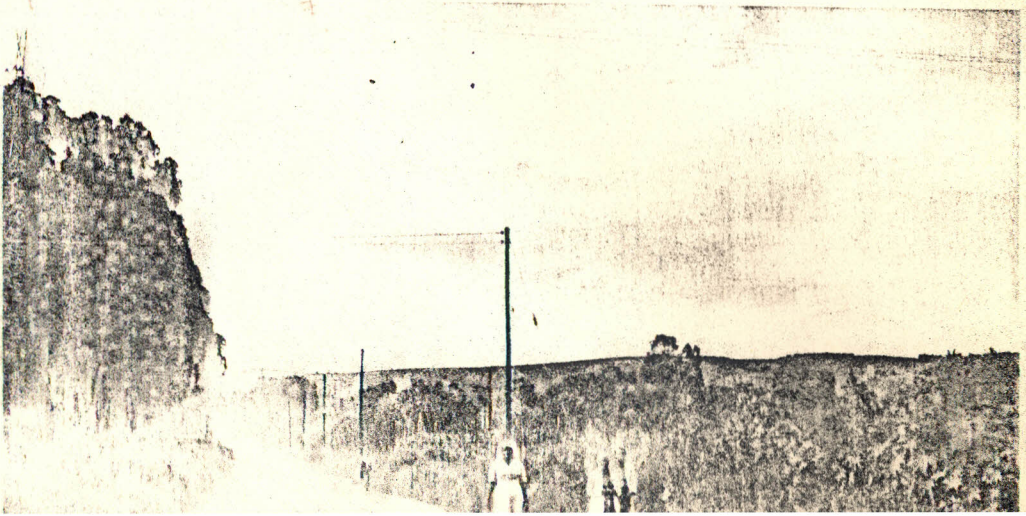


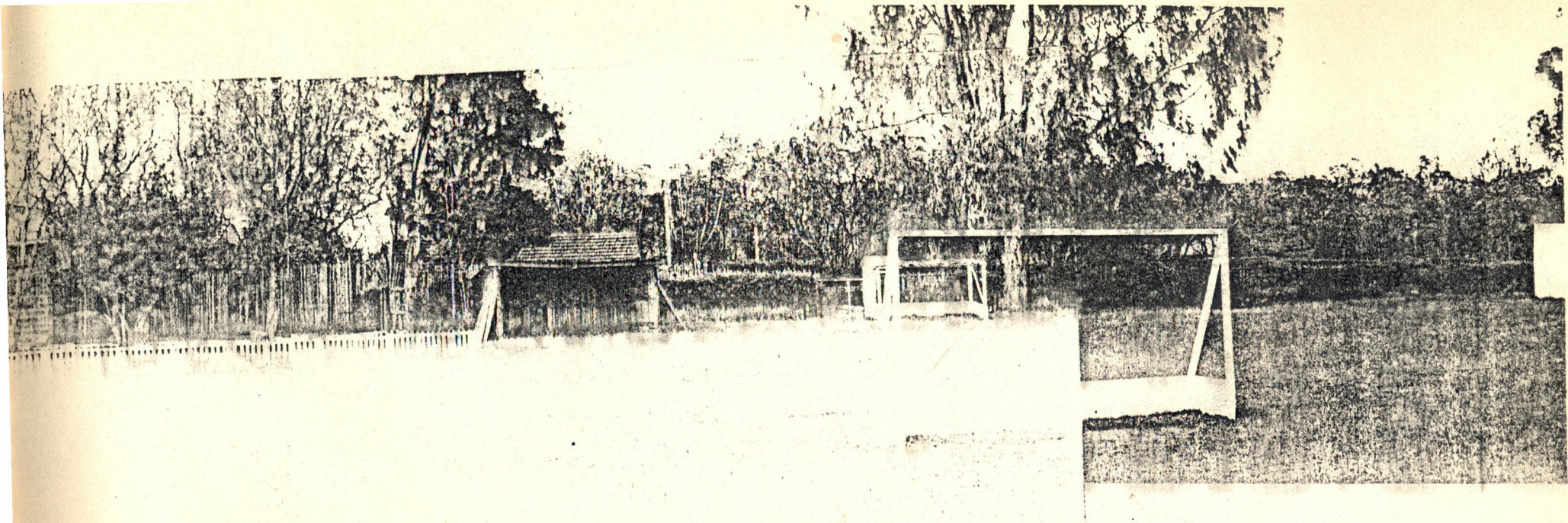
VIEW ALONG OGINGA ODINGA ROAD



JUNCTION OF WEST ROAD AND OGINGA ODINGA ROAD

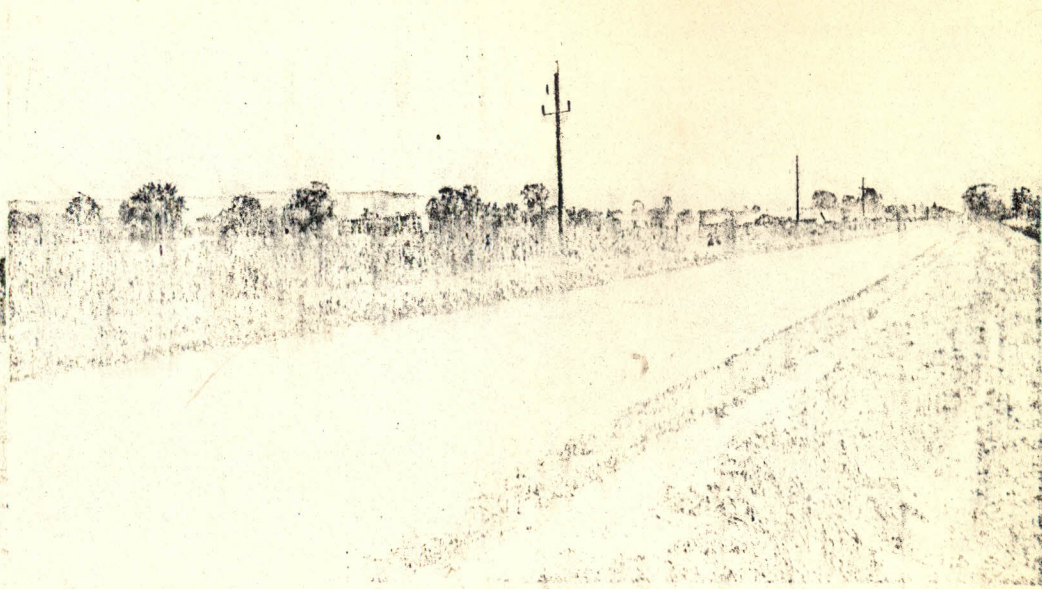
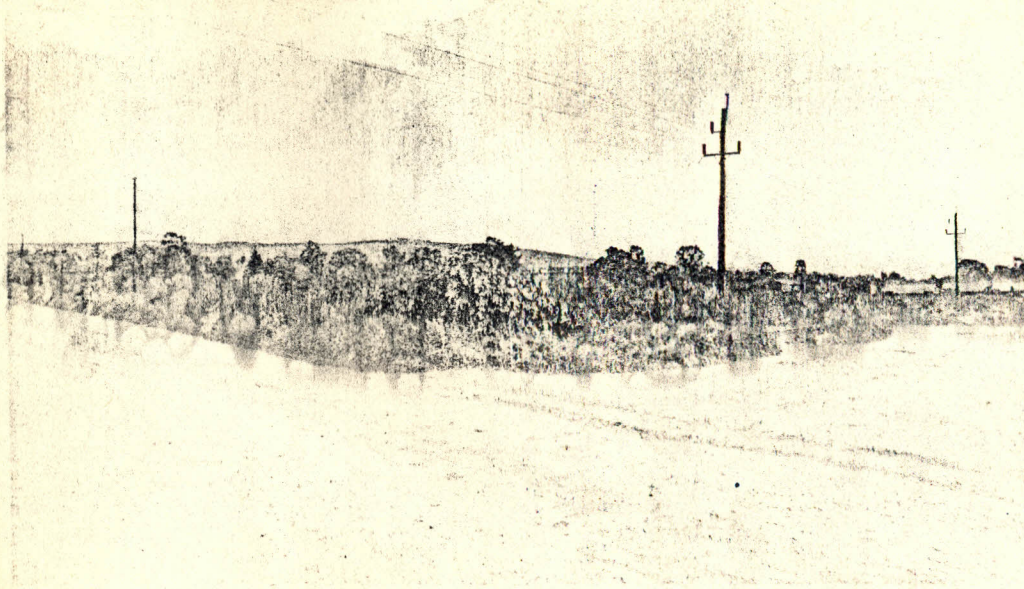
VIEW NORTHWARD ALONG WEST ROAD.
NOTE SITE IS OVERGROWN WITH WEEDS.





VIEW TO THE NORTH OF SITE SHOWING THE HOCKEY PLAYING FIELDS

NOTE: THE NATURAL STONE USED ON ADJACENT BUILDINGS
ROOFING IS CORRUGATED IRON ALSO MANGALORE TILES
CAN BE NOTED ON ADJACENT BUILDINGS.

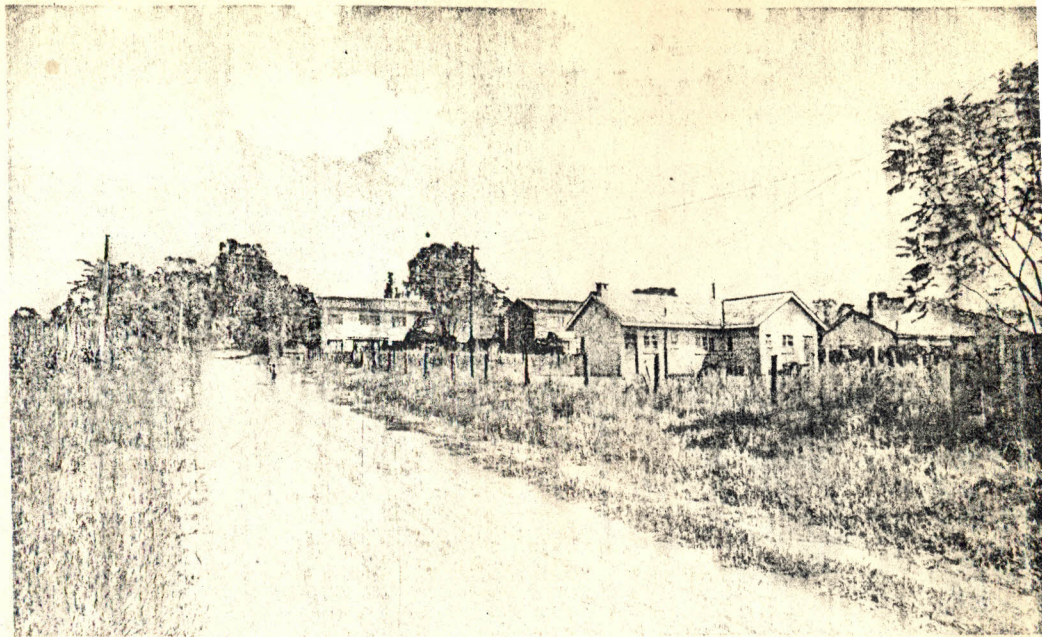
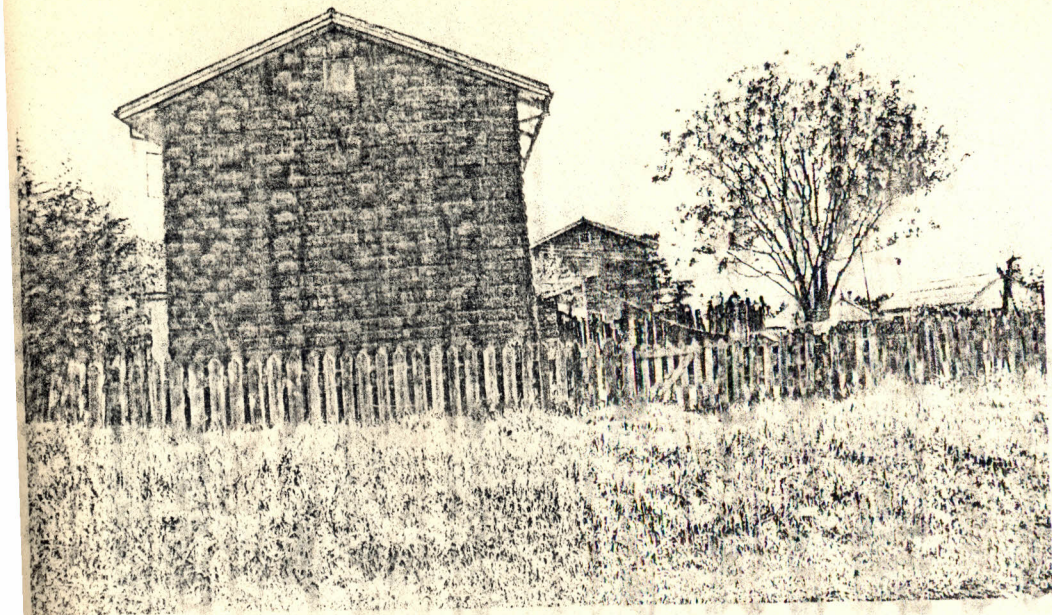


VIEW OF SITE AT JUCTION OF WEST ROAD AND RONALD NGALA ROAD

NOTE: THE EARTH ROAD CONSTRUCTION.

VIEW OF SITE FROM PLAYING FIELDS.
IN THE DISTANCE IS SEEN HONEY
MOON HILLS. THIS IS BEST VIEW
OF THE SITE.





VIEW ALONG TOM MBOYA ROAD NORTHWARD
NOTE THE ROOFS ARE A MIXTURE OF CLAY
TILES AND ASBESTOS CEMENT.

WALLS: A MIXTURE OF FAIRFACE STONE
AND PLASTERED CEMENT BLOCK WORK.



APPROACH TO PLANNING

1. THE SITE is outside the business area of town and close the area of high density housing. see site analysis.
2. The site access is from Tom Mboya Road as this is the side from which most people live and is also the road most pedestrians use to and from the business part of town. However, service access is from Ronald Ngara Road.
3. The Youth Centre is built on two levels around two court yards. One court yard has the main arena for outdoor activities and the other is a recess court for people in crafts training wing. The plan is inward looking to encourage a feeling of togetherness for the users.
4. The swimming pool is placed next to the games hall and to the northwest so as to catch the afternoon sun when most people come to swim.
5. The building is planned to allow flexibility so that it has several entrances such that on occasions some areas of the building can be closed off when not in use. This allows reasonable control for security reasons.
6. The building has been zoned according to noisy and quiet areas so that the workshops and games areas are placed together in the noisy zone and library, and classes are placed together in the quiet zone.
The child care unit is placed away from the adult areas but close to where women classes for sewing and cookery are placed.

SCHEDULE OF ACCOMMODATION

01. ENTRANCE HALL

<u>ACTIVITY SPACE</u>	<u>NO. OF PERSONS</u>	<u>AREA M²</u>
Entrance Hall	100	90 m ²
Reception	1 receptionist	24 m ²
Meeting room	1 social worker 14 persons	32 m ²

02. COFFEE SHOP

Next to main entrance	40 persons	80 m ²
Kitchen + store		48 m ²

03. MULTI PURPOSE HALL

Main foyer	75 persons	117 m ²
Ticket office	1 person	6 m ²
Main auditorium	400	460 m ²

PUBLIC LAVATORIES

4 female wc ²		18 m ²
3 male wc ² + 1 urinal		18 m ²
Chair store		40 m ²

<u>ACTIVITY SPACE</u>	<u>NO. OF PERSONS</u>	<u>AREA M²</u>
<u>CHANGE ROOMS</u>		
Male	4 persons	20 m ²
Female	4 persons	20 m ²
Projection room	1	12 m ²
04. <u>ADMINISTRATIVE OFFICES</u>		
Enquiries + Counter + Enquiries office	1 receptionist	12 m ²
Manager's office		20 m ²
Youth leaders's office		20 m ²
Deputy youth leader		20 m ²
Seminar room	16 persons	40 m ²
General office		20 m ²
05. <u>LIBRARY</u>		
5.1 Entrance foyer, issue and return desk	10 persons	12 m ²
5.2 Adult lending and + book stack	12 reading spaces	100 m ²
5.3 Children section		28 m ²
5.4 Librarian's office	1	12 m ²

<u>ACTIVITY SPACE</u>	<u>NO. OF PERSONS</u>	<u>AREA M²</u>
06. <u>EXTRA-MURAL UNIT</u>		
6.1 Organiser + tutor's office	2	20 m ²
6.2 Typing class	15 persons	48 m ²
6.3 Commerce + business class	15 persons	48 m ²
6.4 Management studies	15 persons	48 m ²
07. <u>CRAFTS TRAINING UNIT</u>		
7.1 Home economics class	12 persons	60 m ²
7.2 Sewing class	12 persons	60 m ²
7.3 Metal workshop	12 persons	96 m ²
Store	12 persons	20 m ²
Tutor's office		12 m ²
7.4 Wood Workshop	12 persons	96 m ²
Store		40 m ²
Leather workshop	12 persons	96 m ²
Tutor		12
Store		

<u>ACTIVITY SPACE</u>	<u>NO. OF PERSONS</u>	<u>AREA M²</u>
<u>O.8 BAR + GAMES HALL</u>		
8.1 Bar lounge	40 persons	56 m ²
8.2 Bar counter and store		40 m ²
8.3 Games hall to accommodate table tennis, boxing, karate, gymnastics		210 m ²
8.4 Male wc ²		20 m ²
Female wc ²		20 m ²
<u>O.9 SWIMMING POOL</u>		
9.1 Male change room	20 persons	72 m ²
9.2 Female change room	20 persons	72 m ²
9.3 Filter + pump		24 m ²
<u>10. DAY NURSERY UNIT</u>		
10.1 Play room 1(3-4 years)	20 persons	42 m ²
10.2 Play room 2(5-6 years)	20 persons	42 m ²
10.3 Store for equipment		20 m ²
10.4 Boy's wc ²		
2 wc ²		
2 SHWRS	20 persons	16 m ²

ACTIVITY SPACENO. OF PERSONSAREA M²10.5 GIRLS' WC²2 WC²

2 SHWS

20 persons

16 m²

10.6 Tutor's office

24 m²

CONSTRUCTION AND FINISHES

Building element	Floor	Skirting	Walls	Ceiling	Roof
Entrance Hall	Granolithic Floor on 200 mm slab	Granolithic	Brick wall Non-load bearing	Celotex	Concrete slab with Hollow pot to form fall. Then Asphalt and chippings
Offices	PVC	Timber	Brick, then plastered and painted	Celotex suspended	Concrete slab finished with hollow pot and then chippings on asphalt
Multi-purpose hall	Mvuli Timber floor	Timber	Brick then plastered	Suspended Timber ceiling	Same

CONSTRUCTION AND FINISHES

Games Hall	Floor	Skirting	Walls	Ceiling	Frames
	Prung timber floor	Timber skirting	Brick walls finished with plaster	Suspended Timber	Mild steel frames
Workshops	Washed terrazo finish	Terrazo skirting	Brick with plaster	Tyrolean finish	Mild steel frames
Class rooms	Timber floor	Timber	Brick with plaster	Suspended plaster finish	Mild steel frames
Day Nursery	Timber floor	Timber	Brick with plaster	Suspended plaster	Mild steel
Toilets and change rooms	PVC floor	Terrazo	Glazed tiles	Tyrolean	Mild steel
Swimming pool	Glazed tiles		Tiles		