

**NWFP AGRICULTURAL UNIVERSITY
PESHAWAR, PAKISTAN**

**CONSTRUCTION OF STAFF
HOUSING, WOMEN'S HOSTEL
AND RELATED INFRASTRUCTURE**

SKIDMORE OWINGS & MERRILL

ARCHITECTS, ENGINEERS, PLANNERS
WASHINGTON, D.C. USA.

AHED ASSOCIATES

ARCHITECTS — ENGINEERS
KARACHI, PAKISTAN

DD-ABD-821

74530

PROJECT BRIEF

SALIENT FEATURES OF THE PROJECT

PROJECT: CONSTRUCTION OF STAFF HOUSING, WOMEN'S HOSTEL AND RELATED INFRASTRUCTURE, NWFP AGRICULTURAL UNIVERSITY PESHAWAR, PAKISTAN

CONTRACTOR: MARK INTERNATIONAL.

PROJECT COST: PAK Rs 75,492,220/-

PROJECT DURATION:

Mobilization period	=	30 days (1 month)
Construction period	=	1065 days (35 months)

KEY CONTRACT DATES:

1. Contract Award Date:	=	28th Nov. 1988
2. Notice to Proceed Date:	=	20th Dec. 1988
3. Mobilization Period End:	=	19th Jan. 1989
4. Date of Start of Construction period	=	20th Jan. 1989
5. Date of Completion of Construction period	=	19th Dec. 1991

REPORTING DATE STATUS:

1. Reporting Date	=	30th Sep. 1989
2. Schedule Completion of work based on 'S' Curve by reporting date	=	12.54%
3. Actual Completion of work by reporting date	=	12.65%
4. Work scheduled for the month based on 'S' Curve	=	2.12%
5. Work done during September 1989	=	1.36%
6. Work ahead of schedule (in percentage)	=	0.11%
7. Work ahead of schedule (on time scale)	=	1.5 day

PROJECT DESCRIPTION:

2.1 Location:

The project is located in the Agricultural University Campus in Peshawar, Pakistan.

2.2 Definition of Site:

The Site of the works is defined as the area required for the construction of North West Frontier Province Agricultural University Phase I Development.

Within the area which is defined as the Site, the Contractor is carrying out and performing the construction of the works, and temporary roadways, buildings and temporary works which may be required for the construction of works.

2.3 Climatology:

The climate is hot and except during the winter months of December to February which are dry and cool. Maximum temperature may reach above 40 degrees centigrade in summer whereas in winter ground frosts occur occasionally between December and February. Annual average rainfall is approximately 250 millimeters; however, the amount of rain accruing in individual years may vary between quite wide limits with most rain falling during the months of July and August.

2.4 General Description:

The project area is composed predominately of plains with a seasonal nullah dividing the campus into separate portions. The Phase I Development has been awarded in two separate construction contracts. The larger contract is funded by the United States Agency for International Development (USAID) and comprises the construction of academic and support buildings together with related infrastructure on the east side of nullah, and two groups of buildings comprising Farm Centers towards the West of the site.

The present contract titled Staff housing, Women's Hostel and Related Infrastructure is funded by the Government of Pakistan with no foreign exchange component. The work is predominantly on the western side of the nullah but includes houses on the east side together with roads, and street lighting.

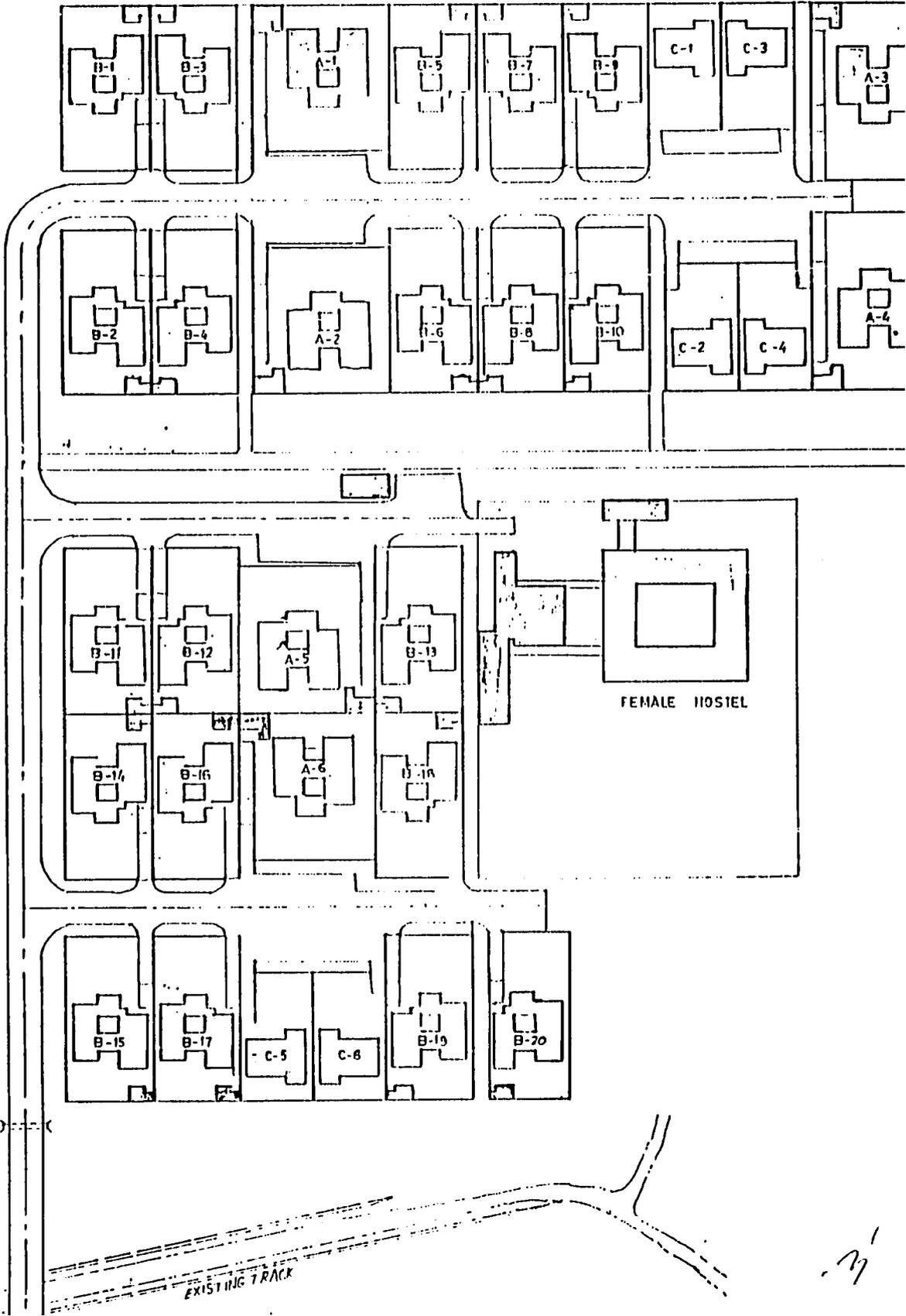
The staff housing comprises 40 units of different categories and are single storey masonry structures. Type 'A' are 4 bedroom houses with a servant quarter annexe. There are 6 type 'A' houses. Type 'B' are 3 bedroom houses with a servant quarters annexe. There are 20 Type 'B' houses. The type 'C' houses consists of two bedrooms. In total there are 14 type 'C' houses. The location of type 'C' houses are:

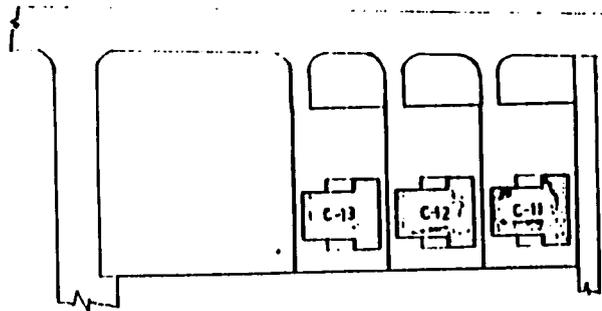
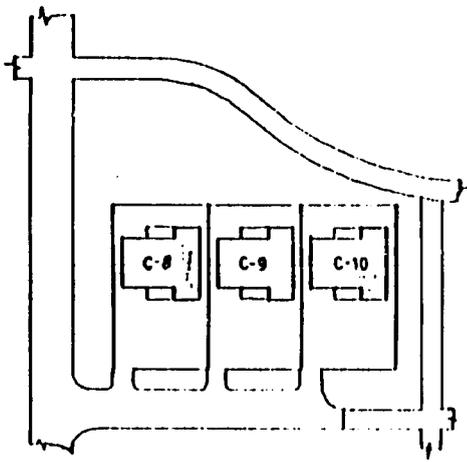
<u>No. of type 'C' houses</u>	<u>Location</u>
3	Beside Male Hostel West
3	Beside Visiting Scientist Houses
2	At Animal Farm Center
6	West of Nallah

All the type 'A' and type 'B' houses are located west of the nallah. The Women Hostel is a two storey reinforced concrete framed structure with infill non-load bearing masonry walls, enclosed within its own compound wall. The Female Hostel will accommodate 57 students. Aside from the dining and the reception area, two 'G' type houses part of the Female Hostel building.

About half the value of the contract is estimated to be in the related infrastructure which includes all roads and street lighting on both sides on the nallah, all overhead and underground services west of the nallah including sanitary sewerage system and treatment plant, storm water drainage, and water, electricity and gas distribution.

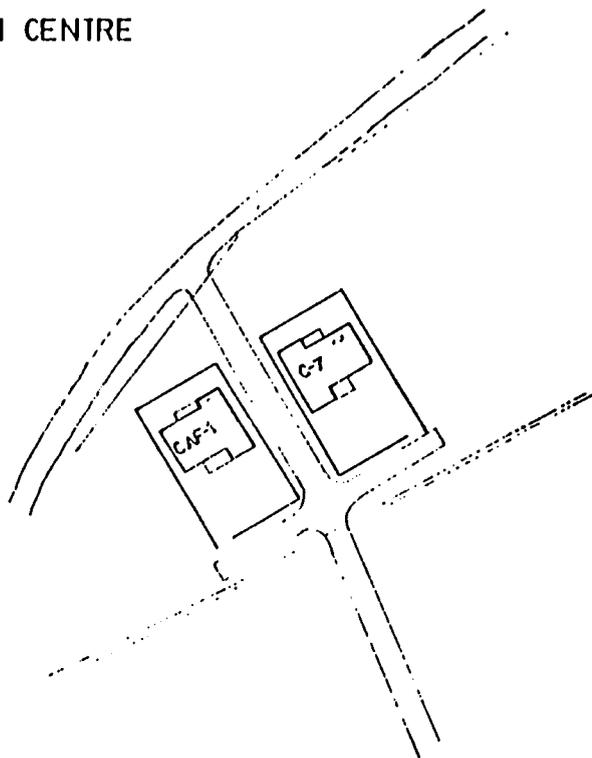
3.1 PROJECT LAYOUT PLAN HOUSES/FEMALE HOSTEL. WEST OF NALA





HOUSES EAST OF NALA

ANIMAL FARM CENTRE



4-