

Appendix I OUTLINE OF SURVEY

1. Formation of Survey Team
2. Itinerary of Survey
3. Contents of Survey
4. Interviewees
5. List of Collected Information



## 1. Formation of Survey Team

Yukio Ishiwata	Team Leader (In Charge of Food Distribu- tion)	Deputy Director, Purchase Division, Operation Department, Food Agency, Ministry of Agriculture, Forestry and Fishery
Senichi Kimura	Administrator for study	Basic Design Division, Grant Aid Department, Japan International Cooperation Agency
Hisashi Takada	Structural engineer	Section Chief, Architecture Division, Japan Engineering Consultants Co., Ltd.
Hiroaki Toba	Architect	Section Chief, Architecture Division, Japan Engineering Consultants Co., Ltd.

## 2. Itinerary of Survey

Day in ( ) indicates a holiday

No.	Date/Day	Schedule	Contents of Survey
1	Apr. 8 Thur.	by air Tokyo → Bangkok	
2	9 Fri.	by air Bangkok → Dacca	Courtesy visit to Embassy of Japan and JICA office Discussion on survey itinerary and policy
3	10 Sat.	Dacca	Courtesy visit to Ministry of Food Discussion on survey itinerary, policy and requests, etc.
4	11 (Sun.)	- do -	Visit to Tejgaon CSD
5	12 Mon.	- do -	Courtesy visit to ERD, Discussion with Ministry of Food
6	13 Tues.	by land Dacca ⇄ Mymensingh	Visit to Mymensingh CSD
7	14 (Wed.)	Dacca	Interim report to Embassy of Japan, Discussion in Team
8	15 (Thur.)	by air by land Dacca Ishurdi Muraduli by land Muladuli → Dacca	Visit to Ishurdi LSD Visit to Muladuli CSD
9	16 Fri.	Dacca	Discussion with Ministry of Food

No.	Date/Day	Schedule	Contents of Survey
10	Apr. 17 Sat.	Ishiwata, Toba; Dacca Takada, Kimura; by air Dacca $\longleftrightarrow$ Chittagong by air	Courtesy visit to Planning Commission Discussion with Ministry of Food. Discussion with PWD  Courtesy visit to Chittagong office, Ministry of Food Visit to Halishahar CSD, Visit to Dewanhat CSD
11	18 (Sun.)	Dacca	Collection of data on Tejgaon CSD
12	19 Mon.	Dacca	Discussion with Ministry of Food. Signing of Minutes Discussion with Planning Commission (P/C)
13	20 Tues.	Ishiwata, Kimura; by air Dacca $\longleftrightarrow$ Bangkok Takada, Toba; Dacca	Report to Embassy of Japan and JICA office
14	21 Wed.	Ishiwata, Kimura; by air Bangkok $\longleftrightarrow$ Tokyo Takada, Toba; Dacca	Collection of data in Ministry of Food
15	22 Thur.	Dacca	- do -
16	23 Fri.	by air Dacca $\longleftrightarrow$ Bangkok	Report to Embassy of Japan and JICA office
17	24 Sat.	by air Bangkok $\longleftrightarrow$ Tokyo	

3. Contents of Survey

Survey items and survey methods are shown as follows;

(1) Survey of food conditions and present food storage conditions

- |  |                                  |
|--|----------------------------------|
| 1) Conditions of demand and supply of foodgrain                              | Collection of data and interview |
| 2) Capacity, utilizing conditions and management system of foodgrain storage | - do -                           |
| 3) Foodgrain storage construction programme by the Government of Bangladesh  | - do -                           |

According to the above data and information, the significance and justification of the project were examined.

(2) Survey of requested foodgrain storage sites

- |   |  |
|---|--|
| 1) Sites requested by the Bangladesh Government | Discussion with data   |
| 2) Known sites out of requested ones            | - do -   |
|   | Field survey of Tejgaon CSD and Halishahar CSD partially to confirm their present conditions     |
| 3) Unknown sites out of requested ones          | Field survey of present utilizing conditions and site conditions in Mymensingh CSD, Muladuli CSD |

According to the above data and information, construction sites were discussed and then their propriety was examined.

(3) Survey of present conditions of storages constructed by the Japanese Grant Aid. Site visit and interview.

The above data and information were referred to for the Basic Design after examination.

(4) Survey of present conditions of foodgrain storage construction

- |  |                      |
|--|----------------------|
| 1) Design and construction method of standard type | Discussion with data |
| 2) Foodgrain storage construction by foreign Aid   | Collection of data   |

The above data and information were referred to for the Basic Design after examination.

(5) Survey of construction conditions

- |  |                                  |
|--|----------------------------------|
| 1) Construction materials, equipment and labour. | Collection of data and interview |
| 2) Construction method                           | - do -                           |
| 3) General conditions                            | - do -                           |

The above data and information were referred to for the Basic Design after examination.

(6) Discussion with the Bangladesh Government

- |   |                      |
|---|----------------------|
| 1) Design condition of foodgrain storage              | Discussion with data |
| 2) Works to be done by the Government of Bangladesh.  | - do -               |
| 3) Detailed design of food-grain storage construction | - do -               |
| 4) Maintenance and repair of foodgrain storages       | - do -               |

The above data and information were referred to for the Basic Design after examination.

## 4. Interviewees

- 1) E.R.D.  
Mr. Mohamed ALI Joint Secretary
- 2) Planning Commission  
Dr. Altaf ALI Section Chief
- 3) Ministry of Food  
Mr. Syed AHMED Joint Secretary  
Mr. M. A. RAQUIB Deputy Secretary, Planning  
Mr. J. R. ALOM Deputy Chief, Planning  
Mr. Kazi Md. ISMINL Budget Officer  
Mr. Fakrul AHSAN Reserch Officer, Planning & Implementation Cell
- 4) Directorate,  
Ministry of Food  
Mr. Ashraf HUSAIN Director General  
Mr. Mohammad Emdadul HOQUE Additional Director of Movement & Storage  
Mr. S. R. BHUIYAN Additional Director of Procurement
- 5) Tejgaon CSD  
Mr. Mahfooz AHMED Storage & Movement Officer of Food  
Mr. Dewan Habibur RAHMAN Chief Inspector of Food  
Mr. Md. Khaledu RAHMAN Sub-Inspector of Food
- 6) Mymensingh CSD  
Mr. M. A. MAJED District Controller of Food
- 7) Ishurdi LSD  
Mr. A. RASSAQUE Chief Inspector of Food, Officer in-charge
- 8) Muladuli CSD  
Mr. Md. Lhahadat HOSSAIN Storage & Movement Officer
- 9) Office of Controller of Movement & Storage, Chittagong  
Mr. Ghulam SARWAR Controller of Movement & Storage  
Mr. Md. Habib MANSUR Movement Officer
- 10) Haliashahar CSD  
Mr. Md. Shahidullah BHUIYAN Storage & Movement Officer





5. List of Collected Information

- (1) Supply-demand of foodgrain
  - 1) Foodgrain production
  - 2) Foodgrain requirement and supply
  - 3) Foodgrain procurement
  - 4) Foodgrain stock
  - 5) Foodgrain distribution
  - 6) Foodgrain ration and sales
- (2) Present conditions of foodgrain storages
  - 1) Existing storage position, district-wide and sub-division wide
  - 2) Additional storage requirement (1984/85)
- (3) Existing utilizing conditions of foodgrain storages in requested sites
  - 1) Existing utilizing conditions of storage, Mymensingh CSD
  - 2) do , Tejgaon CSD
  - 3) do , Santahar CSD
  - 4) do , Haliashahar CSD
  - 5) do , Muladuli CSD
- (4) General conditions of requested sites
  - 1) Mymensingh CSD, site plan
  - 2) Tejgaon CSD , do
  - 3) Boyra CSD , do
  - 4) Santahar CSD , do
  - 5) Haliashahar CSD, do
  - 6) Muladuli CSD , do
- (5) Drawings and specifications on foodgrain storage construction
  - 1) PWD, Dacca-type storage, drawings and specifications

- 2) Schedule of rate, fourth edition, effective from Dec. 15, 1980. PWD
  - 3) Project proforma, construction of foodgrain storage financed by IDA from 1978 to 1983
  - 4) Project proforma, construction of food storage godowns under EEC assistance from 1981 to 1983
  - 5) Project proforma, construction of foodgrain storage under CIDA Grant from 1981 to 1983
  - 6) Project proforma, construction of food storage under Netherlands Grant from 1979 to 1983
  - 7) Project proforma, construction of foodgrain storage under assistance of ADB from 1979 to 1983
- (6) Maintenance and repair of foodgrain storages
- 1) Statement showing budget provision and actual expenditure on maintenance and repair of food godowns
  - 2) Document on UK Grain Storage Rehabilitation Project



Appendix II MINUTES OF DISCUSSIONS



MINUTES OF DISCUSSIONS  
ON  
THE CONSTRUCTION PROJECT OF FOOD GRAIN  
STORAGE IN THE PEOPLE'S REPUBLIC OF  
BANGLADESH


In response to the request made by the People's Republic of Bangladesh for the basic design study on the construction project of Food grain Storage in the People's Republic of Bangladesh (hereinafter referred to as "the project"), the Government of Japan has dispatched, through Japan International Cooperation Agency (hereinafter referred to as "JICA"), a Study team headed by Mr. Yukio Ishiwata, Deputy Director, Purchase Div., Operation Dept., Food Agency, Ministry of Agriculture, Forestry and Fisheries to carry out the basic design study from April 8 to 21, 1982.

The study is executed for the purpose of survey on the existing condition of construction plan of Food grain storages and examine the justifications of further construction in Bangladesh.

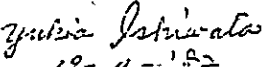
The team has conducted the field survey and held a series of discussions and exchanged views with the Bangladesh authorities concerned as to the project.

As a result of the survey and discussions, the Japanese Study Team and the Bangladesh authorities agreed to recommend to their respective governments to examine the results of the discussions attached herewith toward the realization of the project.

19/ April . 1982.

  
19.4.82

Mr. Syed Ahmed,  
Joint Secretary (P&D)  
Ministry of Food  
Food Division .

  
19-4-82

( YUKIO ISHIWATA )  
Team Leader  
Basic Design Study Team  
Japan International  
Cooperation Agency.

Attachment:

- (1) The purpose of Foodgrain storage construction is to increase the storing capacity of food and to establish the stable supply of food .
- (2) The construction sites will be selected on the basis of the study on following items :
  - (a) Final request by the Government of Bangladesh as mentioned in the appendix ;
  - (b) Survey of the existing physical condition of sites ;
  - (c) Necessary conditions to be satisfied for executing the construction of foodgrain storages ;
  - (d) Necessity of the construction of foodgrain storages from point of view of the study on existing utilizing condition and future development plan of foodgrain storages.
- (3) For the purpose of basis design study, a Foodgrain storage will be designed as follows:
  - (a) Dacca type will be followed in dimension ;
  - (b) According to the preceding (a) , the storing efficiency will be partially changed.
- (4) The Government of Bangladesh will take the necessary measures on condition that the grant assistance by the Government of Japan is extended to the Project;
  - 1) To prepare necessary documents, maps, drawings and other informations when necessary.
  - 2) To secure a lot of land necessary for the construction of facilities and to clear, fill and level the site as needed before the commencement of construction .
  - 3) To extend utility services such as electric power, water, and other incidental facilities to the site before the commencement of construction in the sites.

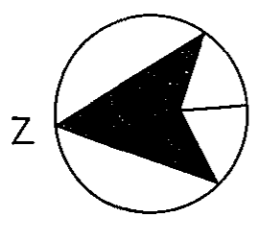
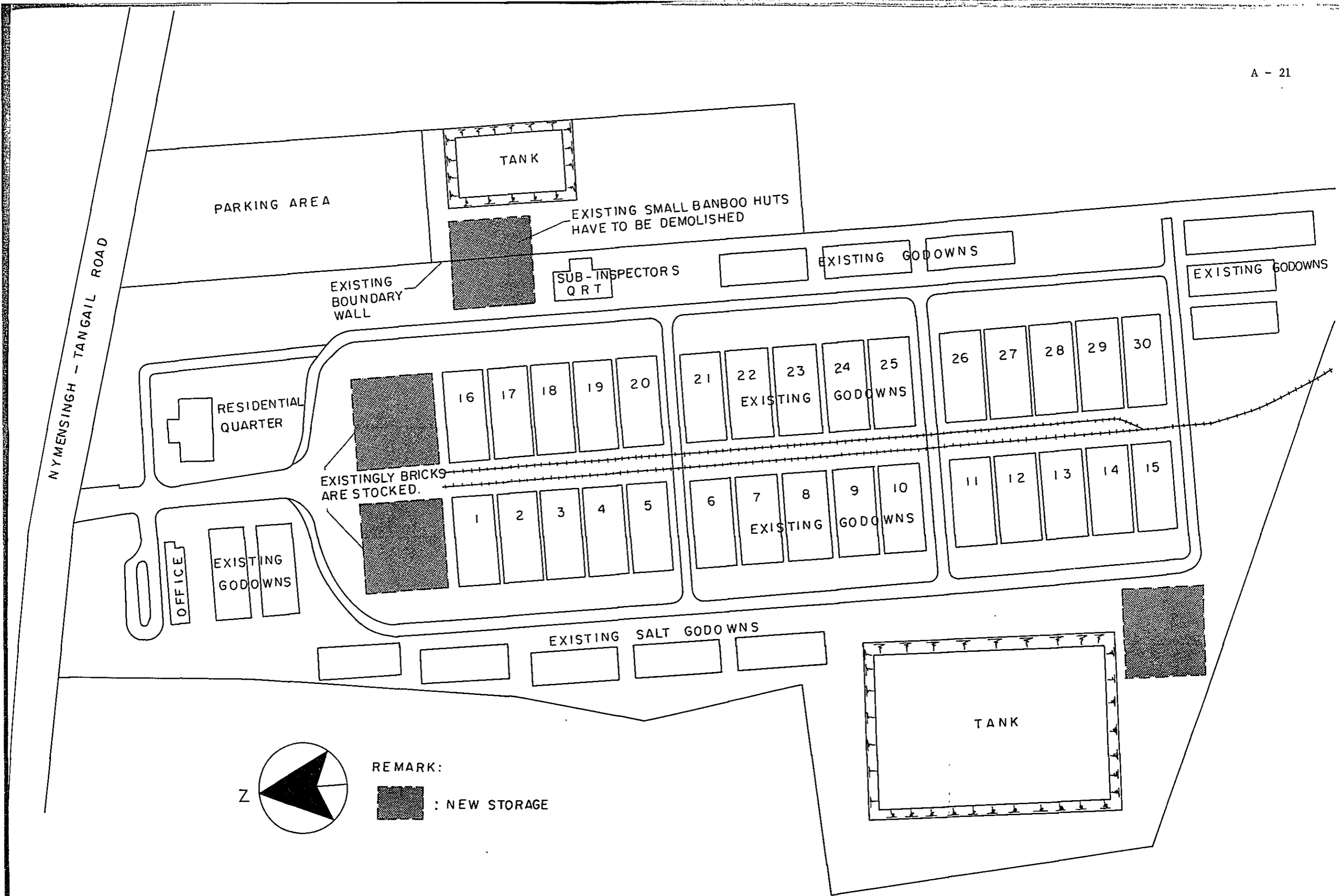


- 4) To provide exterior construction work such as back filling of soil, access road, drainage ditch and trench etc. during the construction and before the completion of construction .
- 5) To ensure prompt unloading and customs clearance in Bangladesh of imported materials and equipment for the construction and also to facilitate the internal transportation for them .
- 6) To exempt Japanese nationals concerned from customs duties, internal taxes and other fiscal levies which may be imposed in Bangladesh on the occasion of the supply of materials and services for construction.
- 7) To provide and accord necessary permissions, licence and other authorization required for carrying out the project .
- 8) To co-ordinate with the officials and organizations concerned.
- 9) To maintain and use properly and effectively the facilities constructed under the grant.
- (5) The basic<sup>c</sup> design will be made in consideration of the above mentioned study .

## Appendix

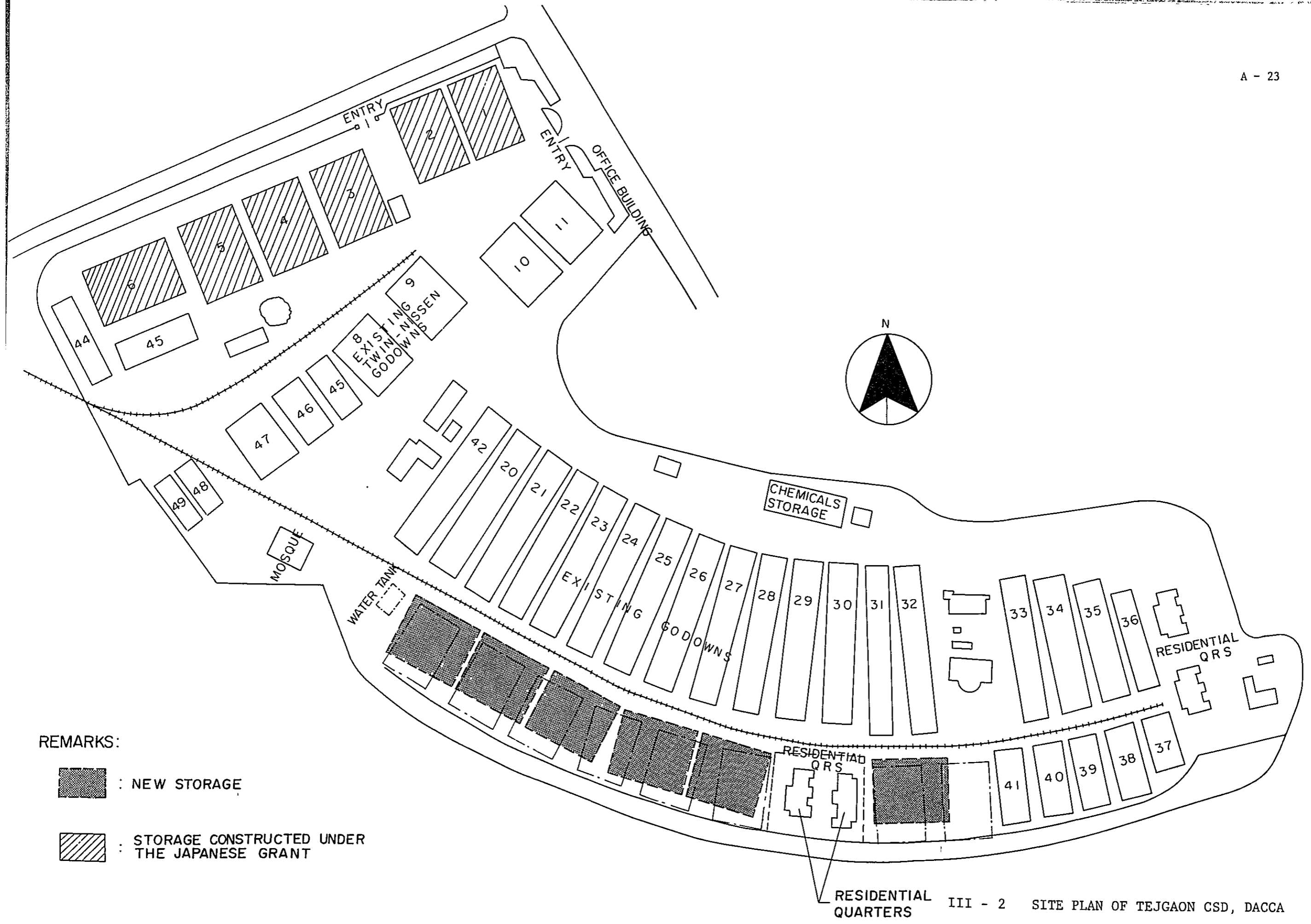
RESULT OF SURVEY					
Name of site	CLASSIFICATION			Requested number of storages by G/O Bangladesh	Requested priority for construction by G/O Bangladesh
	A	B	C		
SANTAHAR C.S.D	3	4		6	4th
HALISHAHAR C.S.D	4			4	5th
MUMENSINGH C.S.D	3	2		4	1st
TEJGAON C.S.D			6	6	2nd
MULADULI C.S.D	8			5	7th
BOYRA C.S.D			10	10	3rd
DINAJPUR LSD				10	6th
				45	

Appendix III DRAWINGS FOR SITE PLAN OF 6 CSDs  
AND STORAGE DESIGN


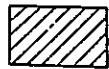


REMARK:  
[Shaded Box] : NEW STORAGE

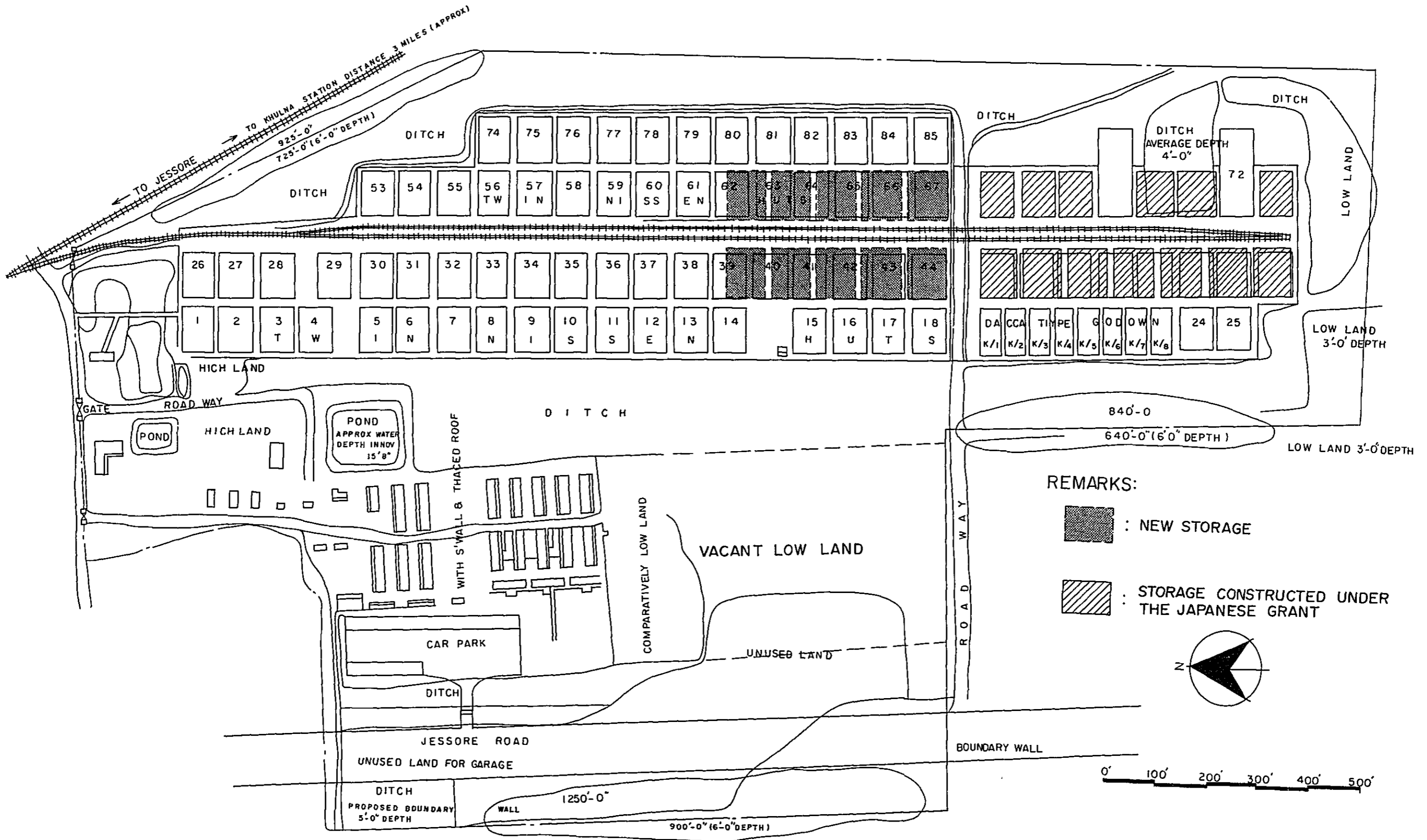
III - 1 SITE PLAN OF MYMENSINGH CSD, MYMENSINGH



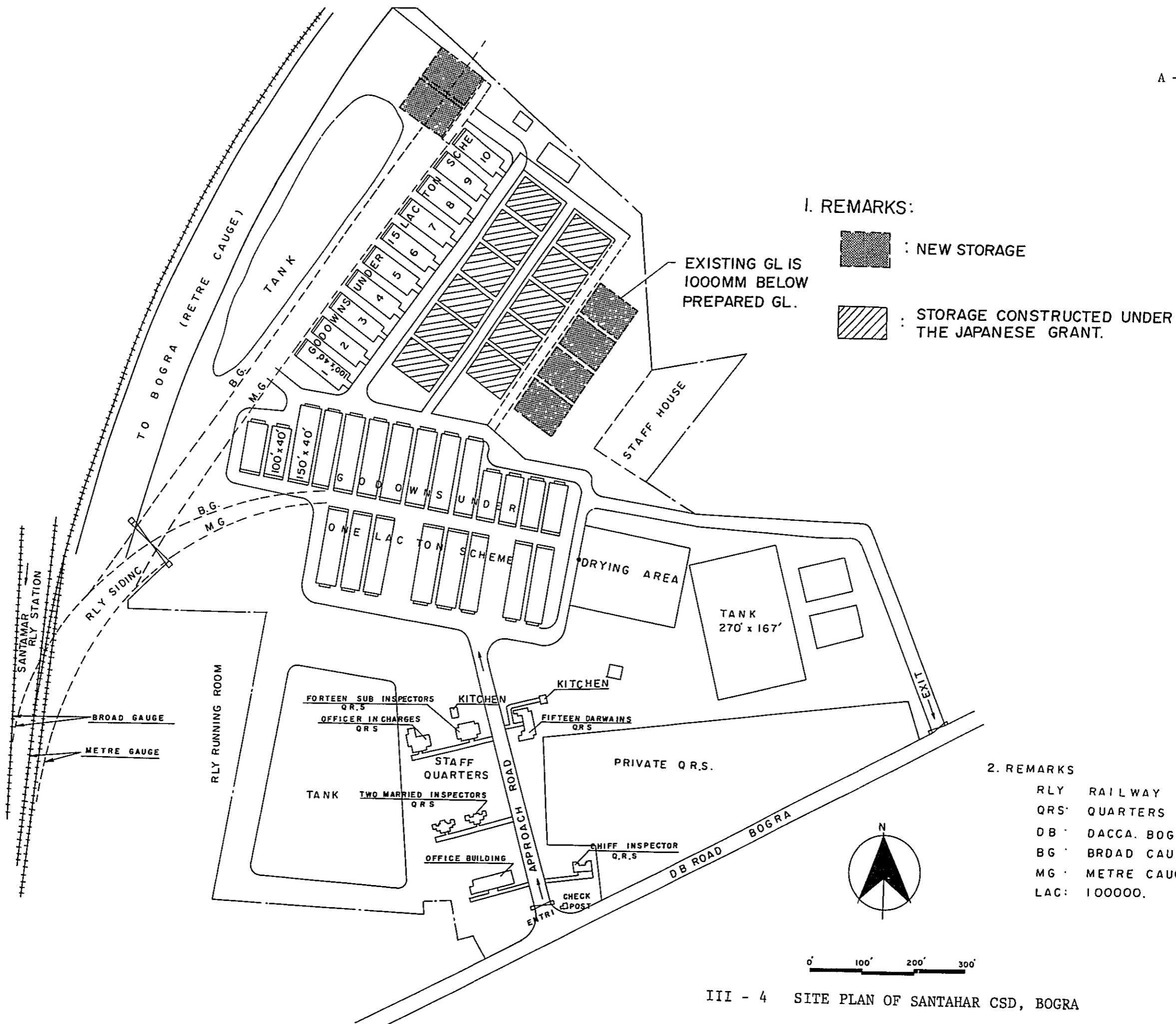
REMARKS:

-  : NEW STORAGE
-  : STORAGE CONSTRUCTED UNDER THE JAPANESE GRANT

RESIDENTIAL QUARTERS III - 2 SITE PLAN OF TEJGAON CSD, DACCA



III - 3 SITE PLAN OF BOYRA CSD, KHULNA



I. REMARKS:

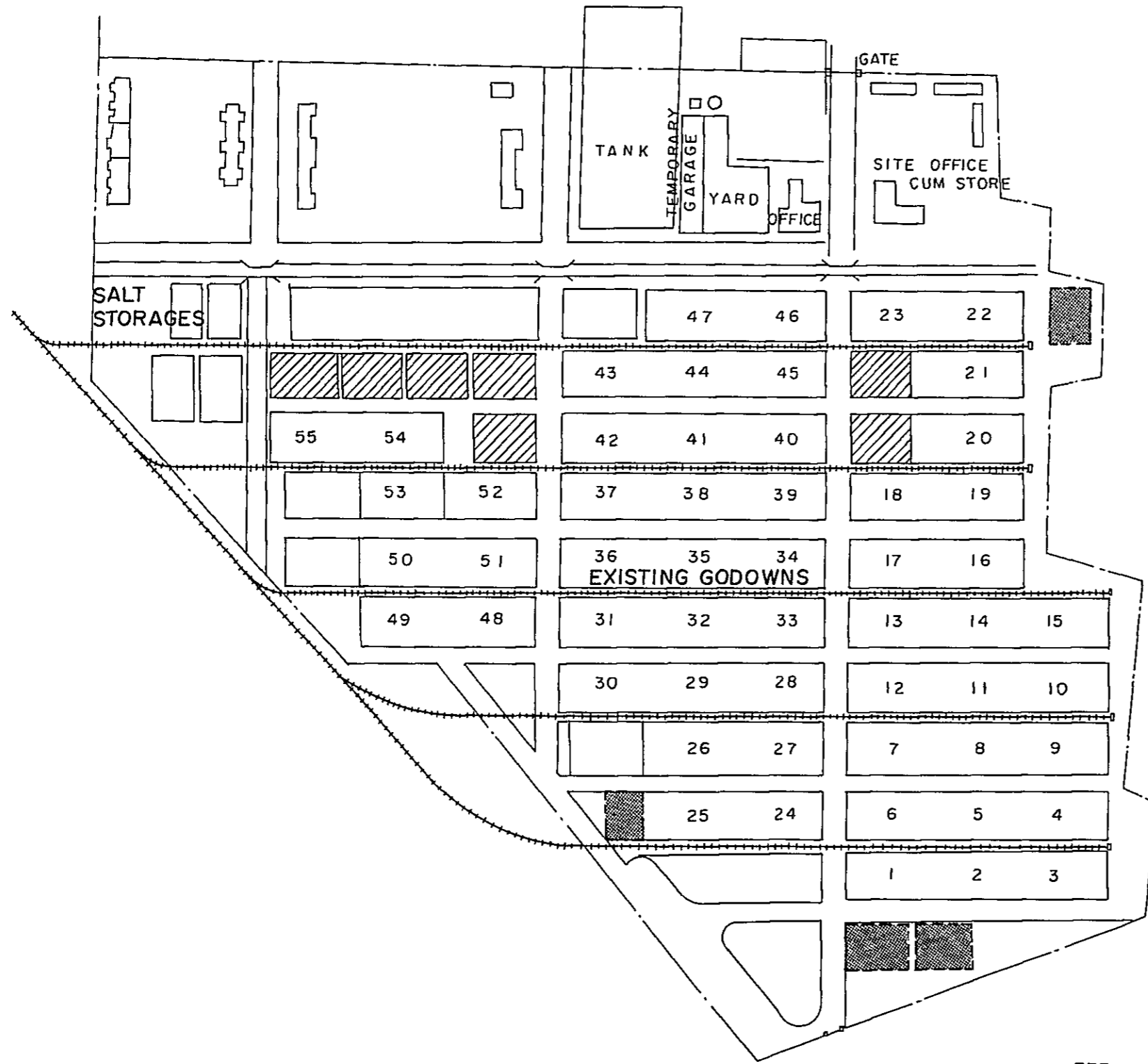
- : NEW STORAGE
- : STORAGE CONSTRUCTED UNDER THE JAPANESE GRANT.

EXISTING GL IS 1000MM BELOW PREPARED GL.

2. REMARKS

- RLY RAILWAY
- QRS QUARTERS
- DB DACCA. BOGRA
- BG BRDAD CAUGE
- MG METRE CAUGE
- LAC: 100000.

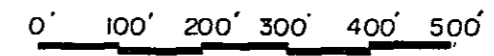
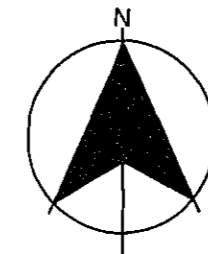
III - 4 SITE PLAN OF SANTAHR CSD, BOGRA



REMARKS:

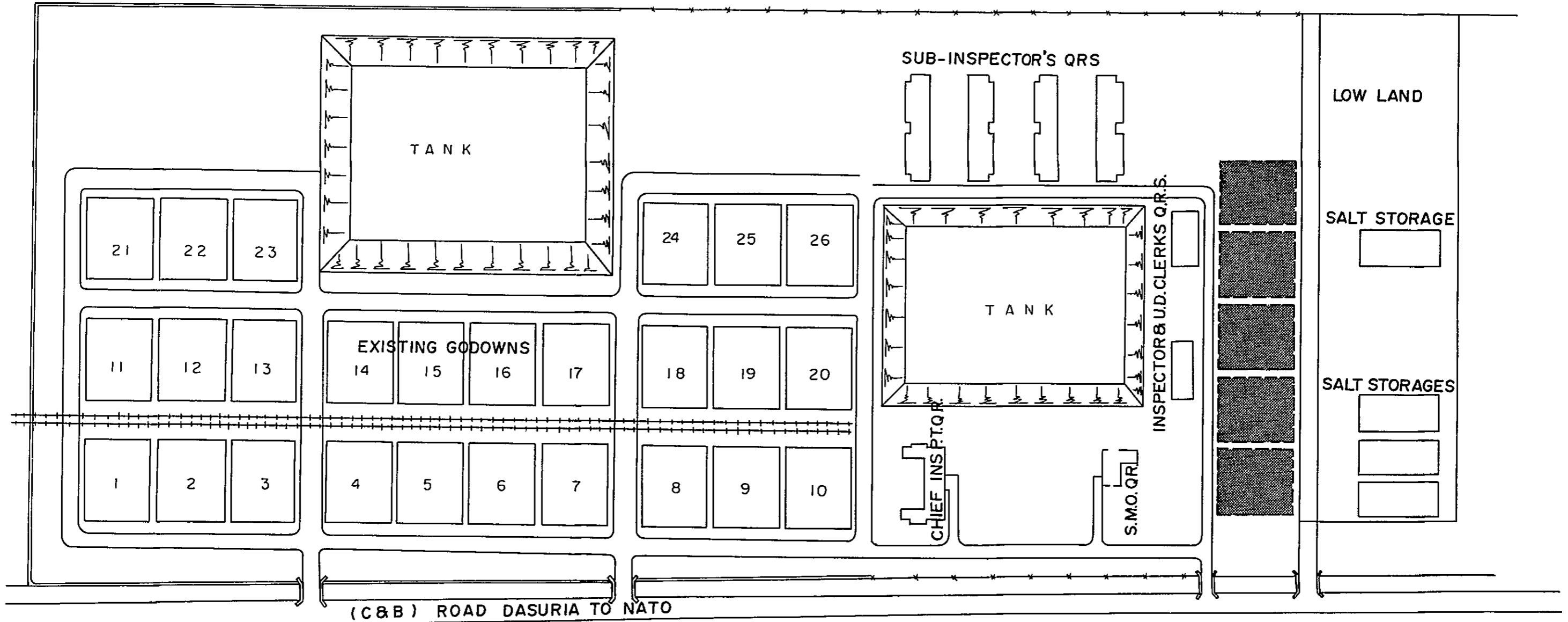
 : NEW STORAGE

 : STORAGE CONSTRUCTED UNDER THE JAPANESE GRANT.



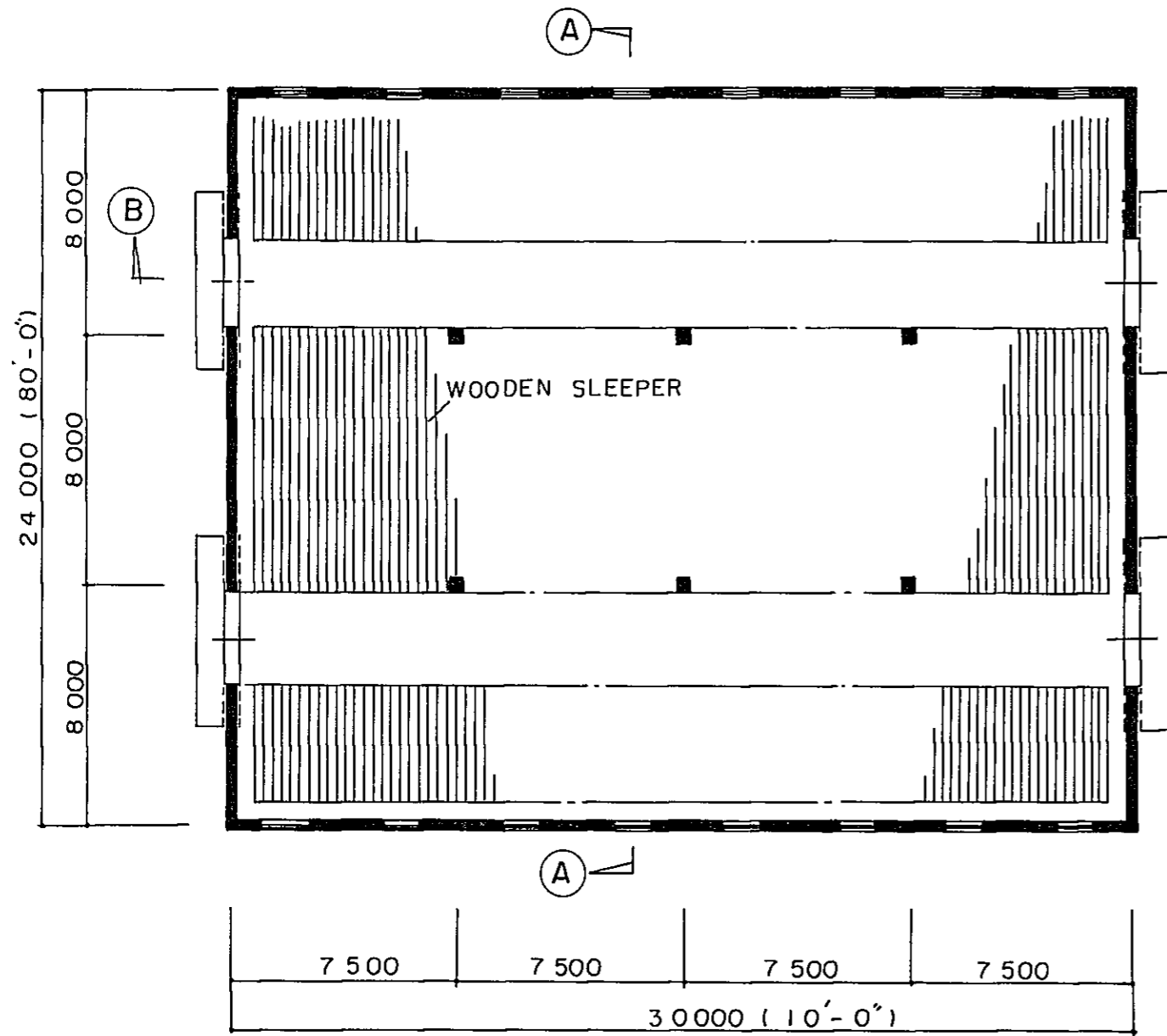
III - 5 SITE PLAN OF HALISHAHAR CSD, CHITTAGONG



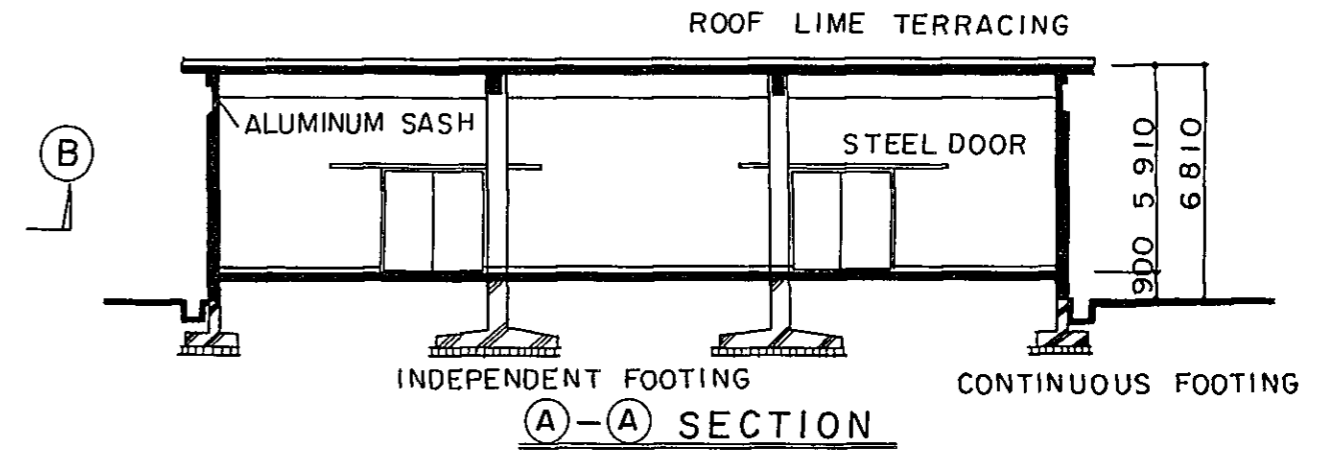


REMARK

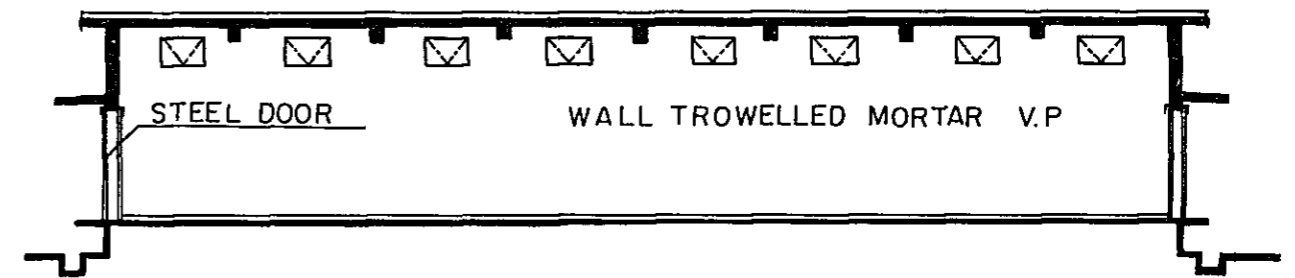
 : NEW STORAGE

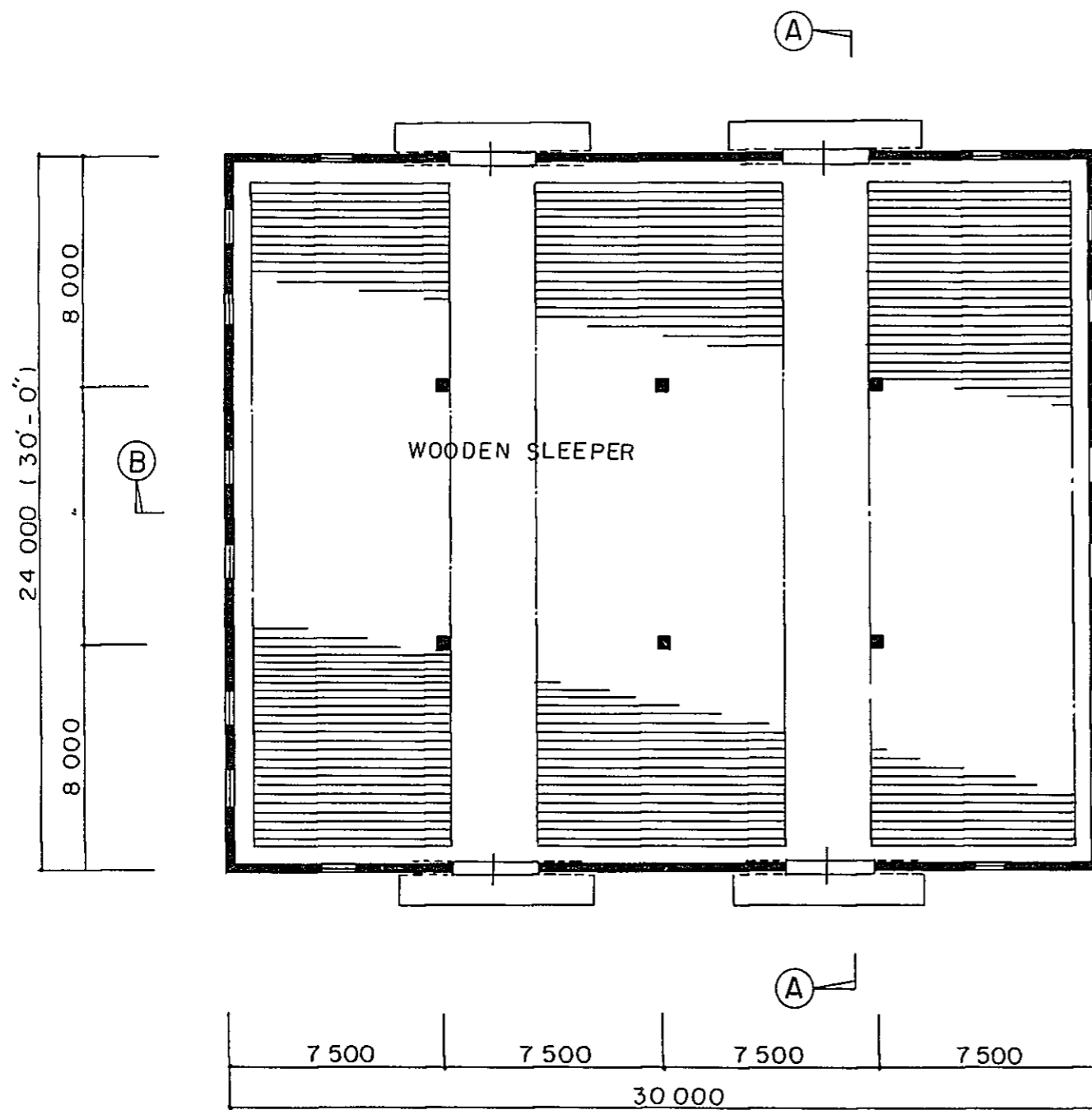


TYPE-A  
PLAN OF STORAGE S=1:200



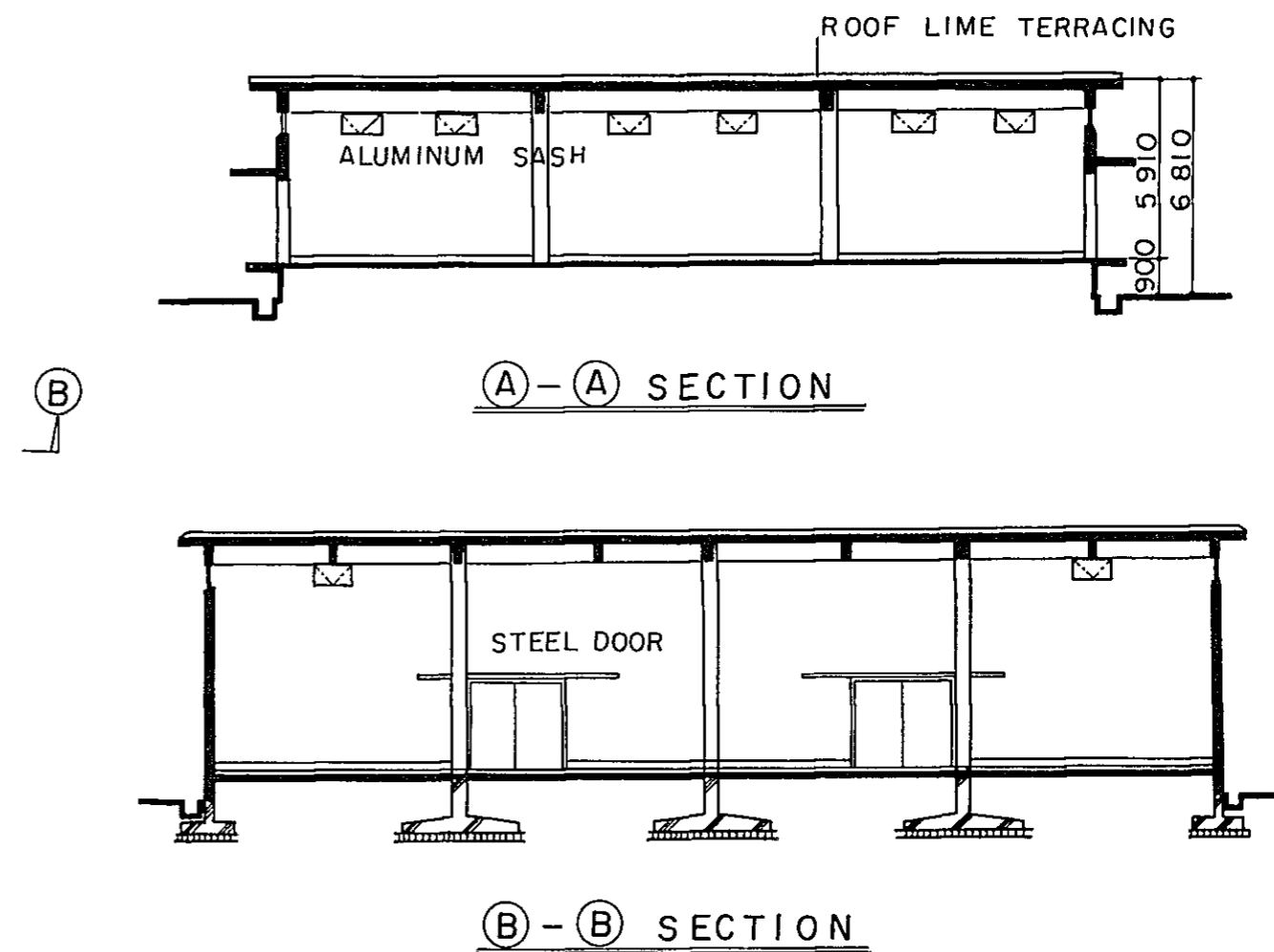
B-B SECTION S=1:200





TYPE - B  
PLAN OF STORAGE

S = 1:200



III - 8 PLAN OF STORAGE, TYPE-B









JICA

