

4-2. Explanation on Draft Report

Minutes of Discussions
on
the Outline Design Study on the Project for
Construction of Educational Facilities
in the Kingdom of Bhutan
(EXPLANATION ON DRAFT REPORT)

In August 2007, the Japan International Cooperation Agency (JICA) dispatched an Outline Design Study Team on the Project for Construction of Educational Facilities (hereinafter referred to as "the Project") to the Kingdom of Bhutan, and through discussions, site surveys and technical examination of the results in Japan, JICA prepared a draft report of the study.

In order to explain and to consult the Bhutanese side on the components of the draft report, JICA sent to the Kingdom of Bhutan the Draft Report Explanation Team (hereinafter referred to as "the Team"), which is headed by Mr. Akihiko Hoshino, Team Director, Education and Vocational Training Team, Project Management II, Grant Aid Management Department, JICA, from December 21 to December 25, 2007.

As a result of discussions, both sides have confirmed the main items described on the attached sheet.

Thimphu, 26 December, 2007

Mr. Akihiko Hoshino

Leader
Draft Report Explanation Team
Japan International Cooperation Agency

Aum Sangay Zam

Secretary
Ministry of Education
Royal Government of Bhutan

Mr. Thinley Namgyel

Head
Development Cooperation Division
Planning Commission Secretariat
Royal Government of Bhutan

ATTACHMENT

1. Contents of the draft report

The Bhutanese side agreed and accepted in principle the contents of the draft report proposed by the Team.

2. Japan's Grant Aid Scheme

The Bhutanese side understood the Japan's Grant Aid Scheme and the necessary measures to be taken by the Bhutanese side described in Annex 3, 4, 5 of the Minutes of Discussions signed by both parties on August 31, 2007.

3. Final Report

JICA will complete the final report in accordance with the result of discussions and forward it to the Bhutanese side in around March 2008.

4. Other relevant issues

4-1. Schools and facilities covered by the Project

Both sides agreed on schools and components covered by the Project as shown in Annex-1. The Bhutanese side agreed that the Japanese side would make final decision on this matter through further study in Japan.

4-2. Allocation of necessary budget and personnel

The Bhutanese side agreed to allocate enough budget and personnel (teachers and general staff) to properly operate and maintain the facilities and equipment covered by the Project.

The Team explained the requirement of the additional personnel for the newly constructed facilities. The Bhutanese side confirmed to deploy additional personnel upon the completion of the construction.

4-3. Procurement of Furniture

The Bhutanese side understood the contents of furniture to be covered by the Project as described in Annex- 2.

4-4. Securing Proposed Building Sites

The Bhutanese side confirmed that they would secure the identified building sites in the recipient schools before the actual construction work commences.

4-5. Proper Use and Maintenance

Both sides understood that proper use and maintenance of the facilities would be indispensable for their lifelong use. The Bhutanese side assured the Japanese side that it will facilitate the proper use and maintenance of facilities in the schools covered by the Project with the active involvement of concerned parties such as Dzongkag Administrations, schools, communities and so on.

4-6. Proper Use of Toilet

Both sides understood that it is necessary to secure water supply and to conduct sanitary education for pupils in order to utilize and maintain toilets properly. The

Bhutanese side understood that the specification of the toilets covered by the Project would be finalized by the detailed design.

4-7. Site preparation works to be covered by the Bhutanese side

The Japanese side explained the content of the site preparation works to be covered by the Bhutanese side as described in Annex-3. The Bhutanese side confirmed to complete the required works before the commencement of construction.

4-8. Appointment of Focal Persons

Upon the request from the Japanese side, the Bhutanese side agreed to appoint focal persons to coordinate the implementation of necessary undertakings by the Bhutanese side.

4-9. Result of Detailed Design

The Bhutanese side agrees to be responsible for any outcomes caused by using the result of the detailed design and not to impose any responsibility on the Japanese government and JICA in this matter.

4-10. Confidentiality of the Project Cost Estimation

The Team explained the cost estimation of the Project as described in Annex-4. Both sides agreed that the Project Cost Estimation should never be duplicated or released to any outside parties before signing of all the contracts for the Project. The Bhutanese side understood that the Project Cost Estimation attached as Annex 4 is not final and is subject to change.

4-11. Confidentiality of the Contents of the Draft Report

Both side agreed that the contents of the draft report would be kept confidential, be dealt with carefully and will not be disclosed to any third parties.

Annex1: Schools and components to be covered by the Project

Annex2: The contents of furniture

Annex3: Site preparation works to be covered by the Bhutanese side

Annex4: Project cost estimation

Schools and Components to be covered by the Project

No.	School	Dzongkhag	Type	Priority of Site & Facilities	Facility											Floor Area m ²	
					Educational					Residential							
					4-Classroom block	8-Classroom block	Admitt. & Library block	Laboratory block	Toilet block	64-bedded hostel	96-bedded hostel	Kitchen & store block	Warden's/matron's quarter	Principal's quarter	Staff quarters		Multi purpose hall
1	Kabjisa MSS	Punakha	Day Existing	1	1	2	1	1	2					1	1		2,769.52
2	Pakshikha MSS	Chukha	Boarding New	1	2	1	1	1	2		4	1	2	1	1	1	6,136.69
3	Phobjikha MSS	Wangdue	Boarding	2-a	1	2	1	1	2	4		1		1			4,315.66
			Relocation	2-b										2		1	1
4	Darla MSS	Chukha	Day Existing	3-a	2	1											1,010.56
				3-b				1									
Total					6	6	3	4	6	4	4	2	4	3	3	2	16,055.46

The above items to be covered by the Project could be revised and adjusted upon the result of the detailed design, the results of bidding, etc., during the Project implementation stage.

4 *all*

Contents of Furniture to be covered by the Project

Room	Contents of furniture per each room
Classroom Block	
Classroom	Desks and chairs/stools for 36 students, teacher's desk/chair, green board, bulletin board
Administration/Library Block	
Staff room	Teacher's desks/chairs, workstation desks/chairs, wooden racks, green board
Meeting room	Conference tables, chairs, green board
Principal's room, Vice principal's room, General office, Librarian's office	Set of office desks/chairs, chairs for guests, wooden racks
Library	Reading tables and chairs for 36 students, wooden racks, periodicals stands, card cabinet, counter table, book trolleys
Store	Wooden racks
Laboratory Block	
Physics/Biology laboratory	Laboratory tables and stools for 36 students, teacher's desk/chair, green board, bulletin board
Chemistry laboratory	Stools for 36 students, teacher's desk/chair, green board, bulletin board (built-in type tables are provided by construction work)
Computer room	Computer tables and stools for 36 students, teacher's desk/chair, green board, bulletin board
Preparation room	Teacher's desk/chair, chairs for guests, wooden racks, laboratory cupboards
Others	
Multi-purpose hall	Dinning tables and benches for 360 persons
Hostel	Bunk beds and hostel lockers for 16 persons
Sick room	Bunk beds and hostel lockers for 6 persons




Site Preparation Works to be done by the Bhutanese side

Item	Necessary works by site			
	Kabjisa MSS	Pakshikha MSS	Phobjikha MSS	Darla MSS
Works to be done before the commencement of the construction work by the Project				
Improvement of access road	Gravel paving on existing unpaved road; approx. 1,000m	-	Construction of access road, including river crossing section; approx. 75m	-
Removal of Existing Structures, etc.	An existing water tank, an electric pole & wires	-	-	Existing 3 1-storey buildings, including foundations; approx. 512 sq.m
Relocation of Existing Water Pipe	-	-	Relocation of underground water pipe to the village; approx. 250m	-
Works to be done before the completion of the construction work by the Project				
Extension of Water Pipe to the Sites	From the source to the water tank in the site; approx. 500m	Ditto; approx. 3,500m	Ditto; approx. 1,500m	-
Extension of Power Line to the Sites	-	From the nearest distribution point to the lead-in pole in the site; approx. 150m	Ditto; approx. 200m*	-

* Phobjikha area is planned to be electrified in 2008. In case the electricity will not come by the intended time, installation of power generator in the site will be required instead.

5. Other Relevant Data

5-1. Approval to Procure Goods and Services under the Procurement Guidelines in Japan



དངུལ་ཅིན་ལྷན་ཁག།
ROYAL GOVERNMENT OF BHUTAN
MINISTRY OF FINANCE
TASHICHHO DZONG

MoF/R.6/ 2461
30 November 2007

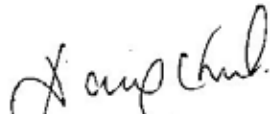
The Secretary
Ministry of Education
Thimphu

Madam,

Subject: Grant Aid Project for Community Empowerment

This has reference to your letter No.MoE/PPD/JICA/2007/1772 dated 6th September, 2007 on the above subject. In view of the justifications provided in your above letter and also as per clarification received from the Planning Commission, the Ministry of Finance hereby approves the procurement as proposed in your letter.

Yours sincerely,


Yanki T. Wangchuk
Finance Secretary

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[Signature]
5/12/07

PPD



ROYAL GOVERNMENT OF BHUTAN

MINISTRY OF EDUCATION

Policy and Planning Division

Thimphu : Bhutan

Ref. No. MoE.PPD.JICA-2007-17+2

September 6, 2007

To
The Hon'ble Secretary
Ministry of Finance
Thimphu

Sub: Approval to procure goods and services under Procurement Guidelines of Japan for the "Grant Aid Project for Community Empowerment".

Dear Dasho,


As you may be aware, the Government of Japan had agreed to support the construction of five schools under the Japanese Grant Aid Project. The project "Construction of Educational Facilities" was to be implemented stage-wise through the Exchange of Notes (E/N) signed between the two countries at each stage of the project. However, during the implementation of the phase II (Kabjisa MSS, Punakha) of the project, the contract for the construction of school could not be finalised and was declared unsuccessful due to high contract amount (approximately JPY 40.0 m more than the grant amount) quoted by the Japanese bidders, even after floating the tender twice in Japan.

In view of this difficulty, the MoE in an effort to expedite the construction requested the JICA HQ to implement the construction of remaining schools under the Japanese Government's new grant aid scheme called, "Grant Aid for Community Empowerment". Through this scheme, local specifications may be applied to construction and local resources such as suppliers, contractors, consultants, materials, work force will be utilized wherever necessary. Further, The Procurement Management Agent (Japan International Cooperation system (JICS) will be assigned to undertake overall management of the grant (including fund management) on behalf of the recipient country. JICS will procure goods and services under the two Procurement Guidelines, one set by the Ministry of Foreign Affairs of Japan and the other set by JICS. These guidelines are attached for your reference.

In this regard, the Ministry of Finance is requested to kindly accord approval to procure goods and services under the Procurement Guidelines, one by the MoFA, Japan and the other by JICS for the implementation of the Grant Aid Project for Community Empowerment.

Thanking you

Yours faithfully,


(Sangkyi Zam)
Secretary

CC:

1. Hon'ble Secretary, Planning Commission for information
2. Director, Department of School Education, MoE

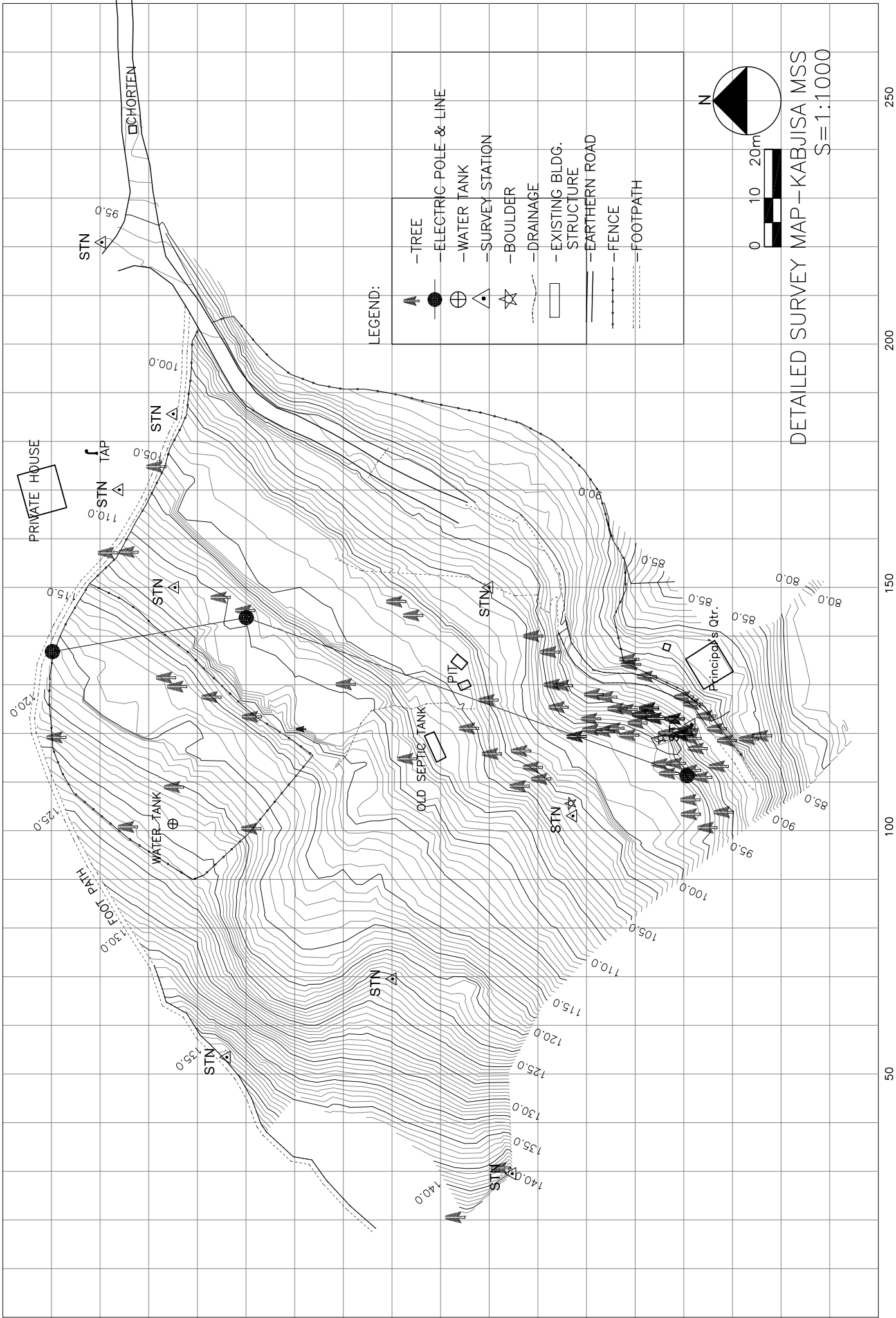
Telephone No. 2-327887, 328881, 322194, 328813, 321356, Fax No. 2-328182

5-2. Cost Estimation for the Works Borne by the Recipient Country

Item	Kabjisa MSS		Pakshikha MSS		Phobjikha MSS		Darla MSS		Total Nu.
	Cost Index	15.67%	Cost Index	6.53%	Cost Index	22.91%	Cost Index	6.53%	
	QTY	Cost (Nu.)	QTY	Cost (Nu.)	QTY	Cost (Nu.)	QTY	Cost (Nu.)	
Improvement of Access Road									
1 Gravel paving on existing unpaved road, W=4m	1,000 m	303,600							1,734,600
2 Construction of access road, including river crossing section, W=4m					75 m	1,431,000			
Removal of Existing Structures, etc.									
3 Removal of existing buildings -1 story, stone masonry or wooden structure, including foundations							512 m2	200,400	202,700
4 Removal of existing water tank	1 unit	1,200							
5 Removal of existing electric pole & wires	1 unit	1,100							
Relocation of Existing Water Pipe									
6 Relocation of underground water pipe to the village					250 m	96,800			96,800
Extension of Water Pipe to the Sites									
7 Installation of underground water pipe from the source to the water tank in the site	500 m	121,500	3,500 m	783,000	1,500 m	387,200	exist.		1,291,700
Extension of Power Line to the Sites									
8 Extension of power line from the nearest distribution point to the lead-in pole in the site	exist.		150 m	75,100	200 m	92,600	exist.		167,700
TOTAL									3,493,500

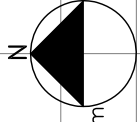
* Estimated cost includes cost index factor and 5% of contingency

5-3. Topographic Survey Maps



LEGEND:

- TREE
- ELECTRIC POLE & LINE
- WATER TANK
- SURVEY STATION
- BOULDER
- DRAINAGE
- EXISTING BLDG. STRUCTURE
- EARTHEN ROAD
- FENCE
- FOOTPATH



DETAILED SURVEY MAP - KABJISA MSS
S=1:1000

0 50 100 150 200 250

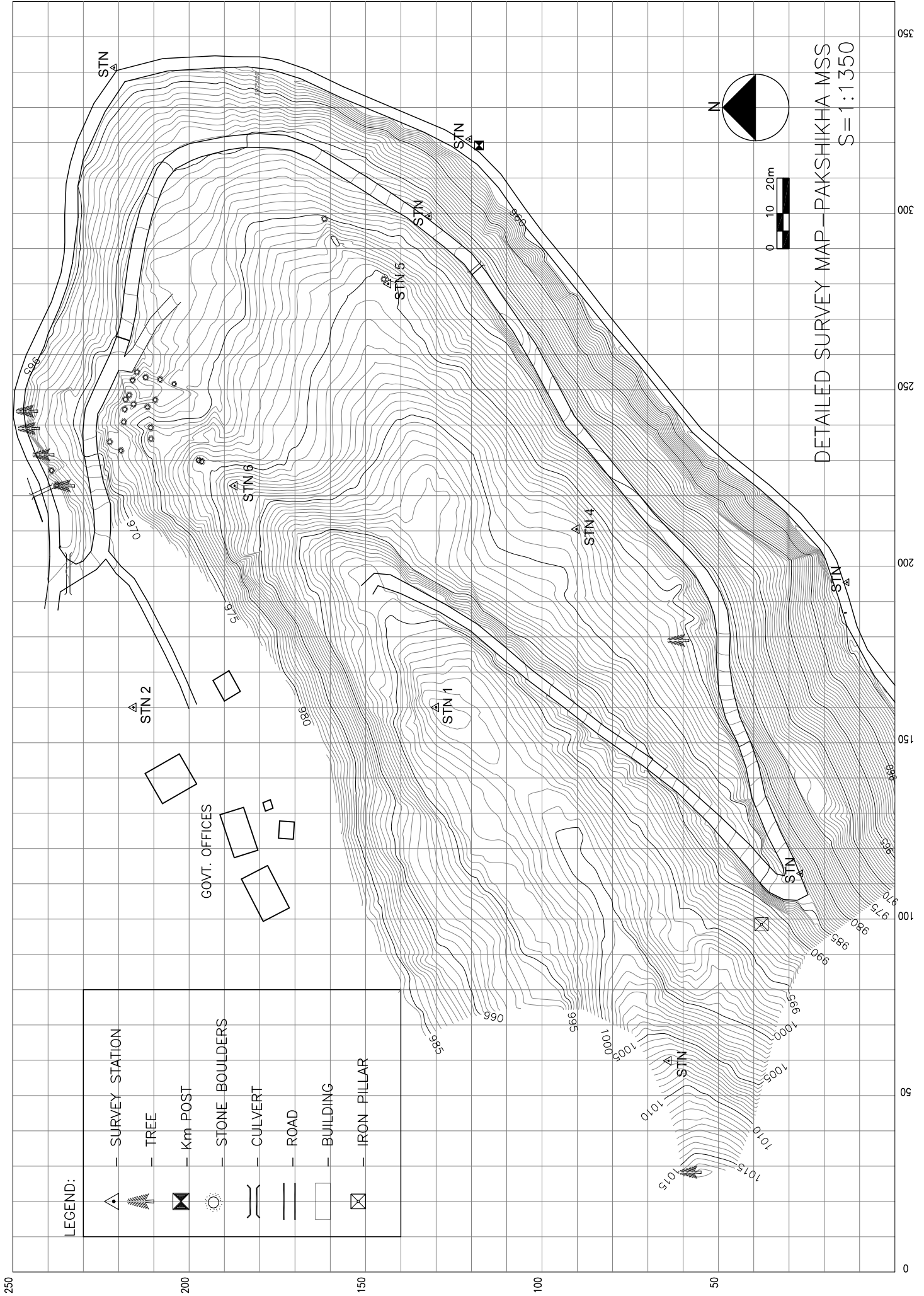
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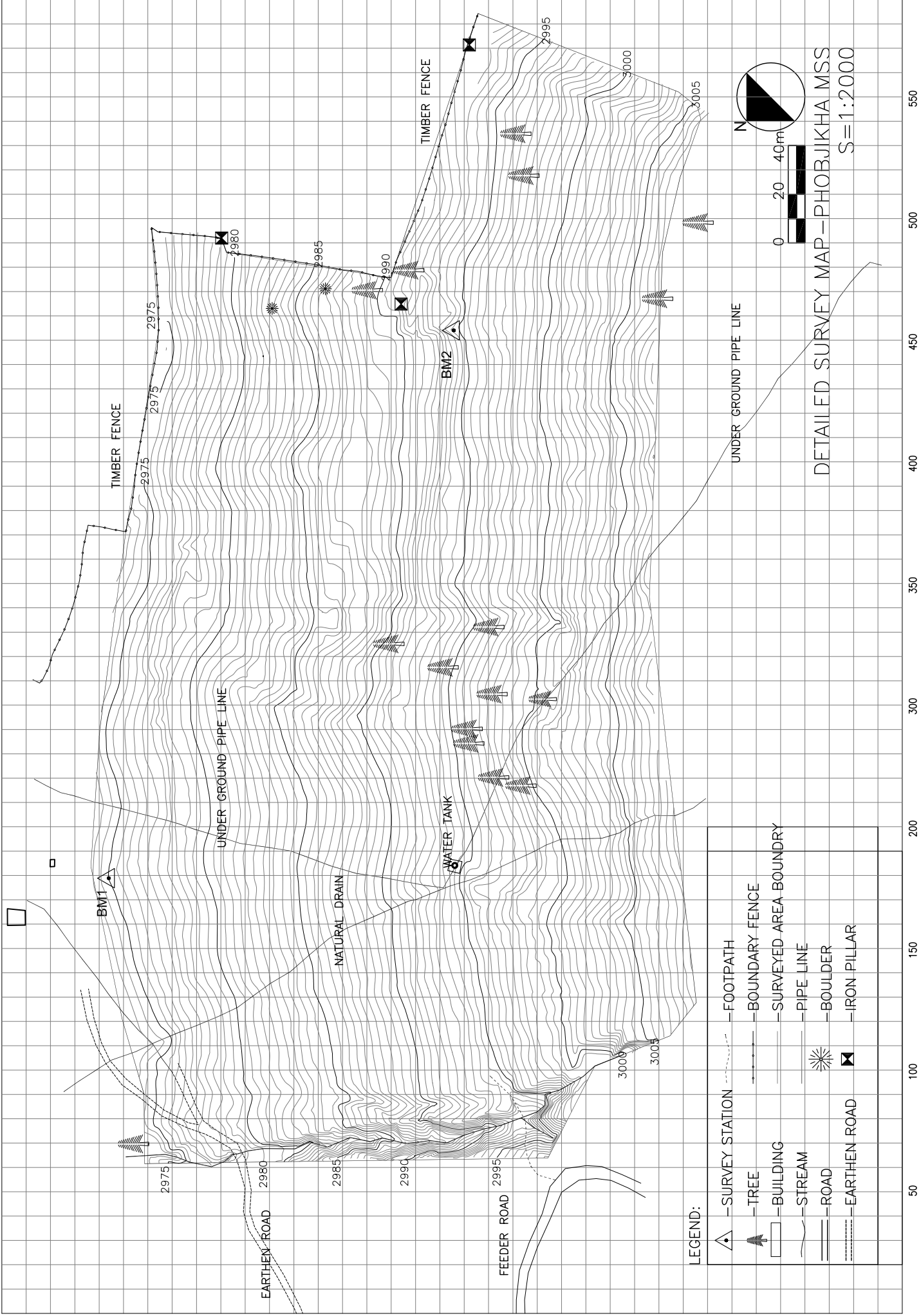
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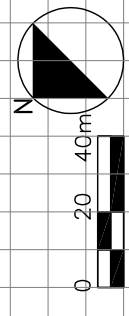
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LEGEND:

	— SURVEY STATION		— FOOTPATH
	— TREE		— BOUNDARY FENCE
	— BUILDING		— SURVEYED AREA BOUNDARY
	— STREAM		— PIPE LINE
	— ROAD		— BOULDER
	— EARTHEN ROAD		— IRON PILLAR



DETAILED SURVEY MAP — PHOBUKHA MSS
 S = 1:2000

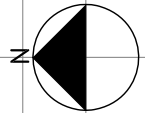
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50 100 150 200 300 350 400 450 500 550



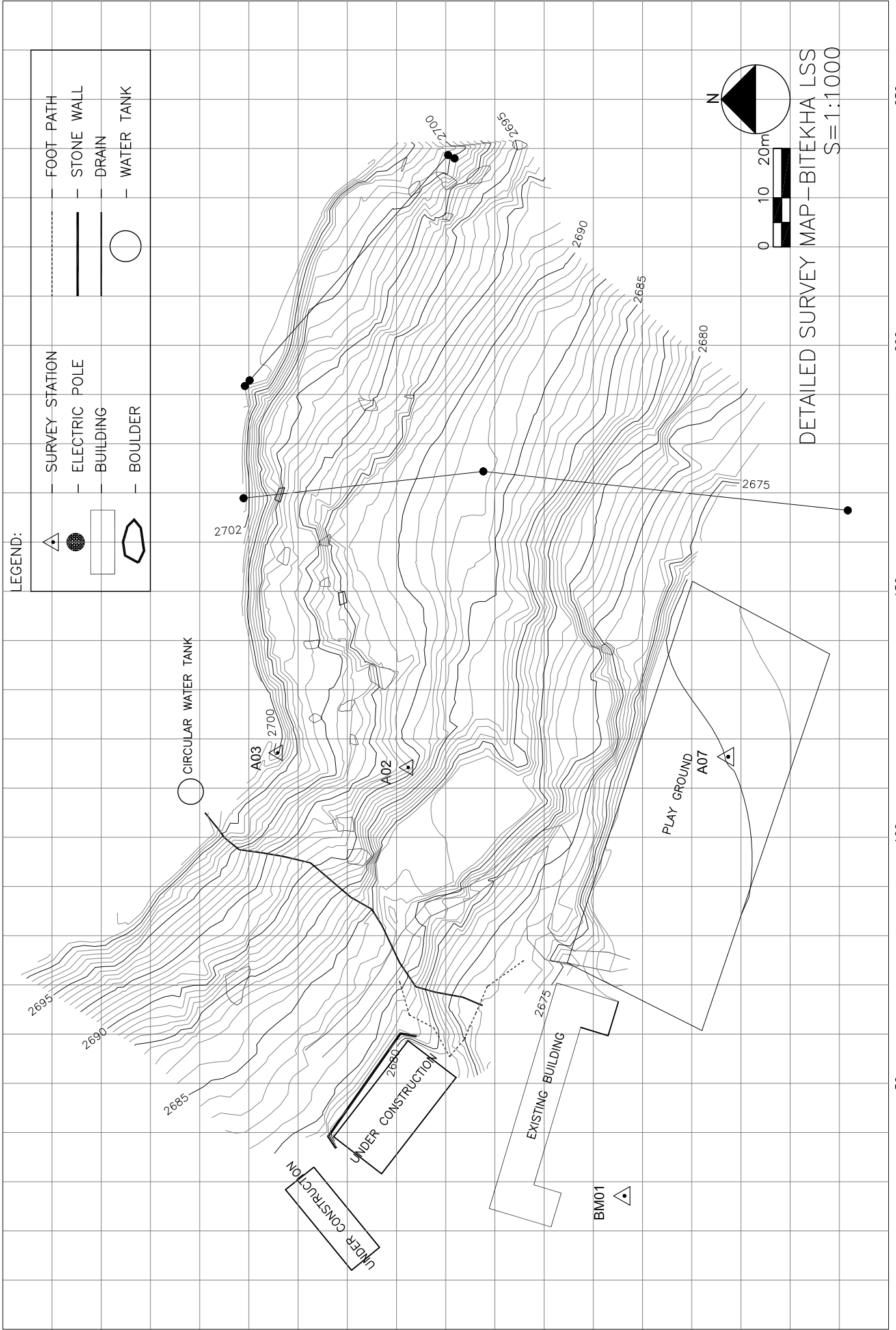
LEGEND:

- ▲ -- TREE
- ♣ -- BANANA TREE
- -- TELEPHONE POLE
- ⊕ -- ELECTRIC POLE
- ⊠ -- FLAG
- △ -- SURVEY STATION
- ▭ -- BUILDING
- ~ -- STREAM
- -- ROAD
- — — SURVEYED AREA BOUNDARY
- - - - - FENCE
- ┌ -- WATER TAP
- ⋯ -- FOOTPATH



DETAILED SURVEY MAP - DALA MSS
S=1:1200

0 50 100 150 200 250 300



150
100
50
0

0 10 20m

0 100 150 200 250

A65

6. References

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