

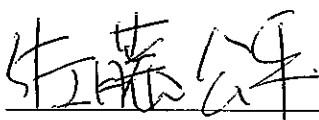
Minutes of Discussions
on the Preparatory (Outline Design) Study
on the Project for Construction of Primary School-cum-Cyclone Shelter
in the Area Affected by Cyclone "Nargis"
in the Union of Myanmar
(EXPLANATION ON DRAFT FINAL REPORT)

In April 2009, the Japan International Cooperation Agency (hereinafter referred to as "JICA") dispatched a Draft Report Explanation Team on the the Project for Construction of Primary School-cum-Cyclone Shelter in the Area Affected by Cyclone "Nargis" (hereinafter referred to as "the Project") in the Union of Myanmar (hereinafter referred to as "Myanmar"), and through discussion, field survey, and the results of technical explanation of the study in Japan, JICA prepared a draft final report of the study.

In order to explain and to consult with Myanmar side on the components of the draft final report, JICA sent the Draft Final Report Explanation Team (hereinafter to as "the Team") to Myanmar, which is headed by Mr. Kohei SATO, Senior Representative of JICA Myanmar Office, from 21 April to 1 May 2009.

As a result of discussions, both parties confirmed the main items described in the attached sheet.

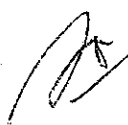
27 April 2009, Yangon



Mr. Kohei SATO
Leader
Draft Final Report Explanation Team
Japan International Cooperation Agency



U Aung Tun Khaing
Deputy Director General
Department of Social Welfare
Ministry of Social Welfare, Relief and
Resettlement
The Union of Myanmar
On behalf of Chairman of the Rehabilitation
and Reconstruction Sub-committee



U Kyaw Thu
Director General
Department of Basic Education No. (1)
Ministry of Education
The Union of Myanmar



ATTACHED DOCUMENT

1. Component of the Draft Final Report

Myanmar side agreed and accepted, in principle, the components of the draft final report explained by the Team.

2. Japan's Grant Aid Scheme

Myanmar side understood the Japan's Grant Aid Scheme and the necessary measures to be taken by the Government of Myanmar as explained by the Team and described in ANNEX 4 and ANNEX 5 of the Minutes of Discussions signed by both parties on 10 February 2009.

3. Schedule of the Study

JICA will complete the final report in accordance with the confirmed items and send it to the Government of Myanmar by August 2009.

4. Other Relevant Matters

4-1 Project Title

Both sides agreed that the Project Title is changed to "The Project for Construction of Primary School-cum-Cyclone Shelter in the Area Affected by Cyclone "Nargis".

4-2 Project Sites

Myanmar side strongly requested the Team to reconstruct the primary school at Htaw Paing Village in Set San Village Tract in Bogale Township. The Team explained that it is difficult to reconstruct "Htaw Paing School" additionally because of the limitation of the Budget for the Project.

Both sides agreed to select "Htaw Paing School" instead of "Ah Si Gyi School" in Set San Village Tract in Bogale Township as the candidate site.

Both sides agreed the final candidate sites list as shown in ANNEX 1. And when the budget exceeds the limit as a result of the tender, both sides agreed that there is a possibility not to construct the school(s) of the lower priority.

4-3 Project Components

Both sides agreed the components of the Project as shown in ANNEX 2.

4-4 Role of Implementing Agency of the Government of Myanmar

In order to ensure the smooth and successful implementation of the Project, both sides confirmed the role of Implementing Agency of the Government of Myanmar as shown in ANNEX 3.

4-5 Role of Department of Basic Education No.(1) of the Government of Myanmar

Department of Basic Education No.(1) agreed to allocate necessary budget and essential number of teacher(s) for the proper operation and maintenance of facilities covered by the Project.

4-6 Confidentiality of the Project Cost Estimation

The Team explained the cost estimation of the Project as shown in ANNEX 5. Both sides agreed that the Project Cost Estimation should never be duplicated or released to any other parties before signing of all contracts for the Project. Myanmar side understood that the Project Cost Estimation attached as ANNEX 5 is not final and subject to change.

4-7 Confidentiality of the Contents of the Draft Report

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

ANNEX 1: Candidate Site List

ANNEX 2: Component of the Project

ANNEX 3: Role of Implementing Agency of the Government of Myanmar

ANNEX 4: Tentative Implementation Schedule

ANNEX 5: Summary of the Estimated Project Cost

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Candidate Site List

Priority	Sl. No	Township	School/Village Name	Village Tract	Students	Classrooms	Capacity of evacuee	Population in the service area
1	13	Labutta	Mi Kyaung Ai	Sa Lu Seik	300	8	1,873	1,520
2	11		Chan Thar Gone	Pyin Ah Lan	256	6	1,627	1,175
3	3		Hlwa Zar	Hlwa Zar	215	5	1,627	1,436
4	17		Tha Pyu Gone	Tha Byu Gone	154	4	1,053	1,088
5	14		Thin Gan Lay	Sin Chae Yar	142	4	1,053	947
6	12		Ma Khan Pon	Pyin Ah Lan	133	3	1,053	586
7	4		Zin Pyune Gone	Hlwa Zar	116	3	1,053	1,300
8	2		Shwe Gone	Da Ni Seik	105	3	1,053	633
9	5		Kwa Kwa Lay	Hlwa Zar	96	2	1,053	530
10	15		Ye Kyaw Wa	Tel Pin Kine	91	2	1,053	623
11	16		Chaug Gyi	Tha Byu Gone	70	2	1,053	506
12	6		Kyar Chaung	Kone Gyi	50	2	1,053	301
13	8		Tha Pyay Chaing	Kone Gyi	19	2	1,053	420
Sub-Total					1,747	46	15,657	11,065
14	28	Bogale	Ka Tha Hmyin	Daunt Gyi	494	12	2,571	4,117
15	33		Htaw Paing (Shwe Pyi Aye)	Set San	269	7	1,627	1,380
16	31		Ti Tant	Set San	157	4	1,053	766
17	22		Kyet Taujng Chaung	Kyun Hteik	74	2	1,053	554
18	18		Sat Kyun	Kyein Chaung Gyi	71	2	1,053	610
19	26		Thar Yar Kone	Ma Gu	65	2	1,053	536
20	20		Pan Phu	Kyein Chaung Gyi	55	2	1,053	624
Sub-Total					1,185	31	9,463	8,587
Total					2,932	77	25,120	19,652

*The school(s) of the lower priority may not be constructed depending on the tender result.

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Component of the Project

- Construction of primary school-cum-cyclone shelter
 - Classroom
 - Teacher's room
 - Toilet
 - Rain water supply

- Procurement of desks and chairs for students and teachers

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Role of Implementing Agency of the Government of Myanmar

- (1) To ensure tentative implementation schedule as per attachment for ANNEX 4
- (2) To ensure internal procedure and formal approval of the Project (ex.; approval of school design, permission for construction) by the Government of Myanmar
- (3) To ensure tax exemption and customs clearance of the construction materials
- (4) To ensure the payment for bank arrangement (1/20% of total project cost (E/N amount))
- (5) To give necessary support to the Procurement Agent at tendering stage of the Project
- (6) To give necessary support to the Procurement Agent and the Consultant to ensure proper supervisory work at construction stage of the Project at sites (ex.; VISA, Travel Permit).
- (7) To ensure smooth handing over of the Primary School-cum-cyclone shelter to respective school management organization

Handwritten initials/signature

TENTATIVE IMPLEMENTATION SCHEDULE

	2009												2010												2011		
	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	
Outline Design Study	█																										
Field Survey/Study in Myanmar	█		█																								
Inception Report	▲																										
Progress Report	▲																										
Draft Final Report		▲																									
Final Report (draft), Draft Tender Documents (T/D)				▲																							
Final Report						▲																					
Approval of Cabinet of Japan			█																								
Exchange of Notes (E/N) Grant Agreement (G/A)				▲																							
Agent Agreement						▲																					
(Construction Work)																											
Preparation of Tender Documents								█																			
Prequalification								█																			
Tendering								█																			
Tender Evaluation									█																		
Issue of Award										▲																	
Preparation of bond, insurance etc.										█																	
Contract for construction works											▲																
Construction Works																											
Inspection / Touch-up																											
Handing-over																											

Rainy season: June - October

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■ Summary of the Estimated Project Cost

Items	Amount (Million JP¥)	Remarks
Construction Fee		
Direct cost	379.6	
Administration fee and profit	15.0	
Sub-Total	394.6	
In-direct cost		
Agent fee	64.3	including layer's Fee
Consultant fee	122.0	
Sub-Total	186.3	
Total	580.9	

■ Summary of the Cost of the recipient side

Description	Cost (thousand JP¥)	Remark
Preparation and securing of the site	-	No monetary cost
Taxes	-	Not applicable
Payment for Banking arrangement	300	
Total	300	

20/11/14

Minutes of Discussions
on the Preparatory(Outline Design) Study
on the Project for Construction of Primary School -cum- Cyclone Shelter
in the Area Affected by Cyclone "Nargis"
in the Union of Myanmar

(Explanation on the Final Report and the Technical Reference for Tender Documents)

In June 2009, the Japan International Cooperation Agency (JICA) dispatched Outline Design Study Team on the Project for Construction of Primary School -cum- Cyclone Shelter in the Area Affected by cyclone "Nargis" (hereinafter referred to as "the Project") in the Union of Myanmar (hereinafter referred to as "Myanmar"), and through discussion, JICA prepared the final report of the Project and the technical reference for tender documents.

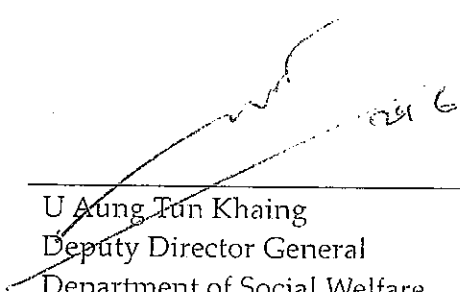
In order to explain and to consult Myanmar on the components of the final report and the technical reference for tender documents, JICA sent the Team for Explanation on the Final Report and the Technical Reference for Tender Documents (hereinafter referred to as "the Team"), which was headed by Mr. Jun Yoshimizu, who was delegated by the leader of the Team (Mr. Satoru Mimura, Director of Disaster Management Division 1, Global Environment Department) from June 21 to July 2, 2009.

As a result of discussions, both sides have confirmed the main items described in the attached document:


June 29, 2009, Yangon

吉水 潤

Jun YOSHIMIZU
Sub Leader
Outline Design Study Team
Japan International Cooperation Agency
(JICA)



U Aung Tun Khaing
Deputy Director General
Department of Social Welfare
Ministry of Social Welfare, Relief and
Resettlement
The Union of Myanmar
On behalf of Chairman of the Rehabilitation
and Reconstruction Sub-committee



U Kyaw Thu
Director General
Department of Basic Education No.(1)
Ministry of Education
The Union of Myanmar

Attached Document

1. Components of the final report

Myanmar side agreed and accepted in principle the components of the final report explained by the Team.

2. Contents of the technical reference for tender documents of the facilities

Myanmar side agreed and accepted in principle the contents of the technical reference for tender documents for the facilities provided by the Team. The list of the technical reference of tender documents is shown in Annex 1.

Further, Myanmar side understood that the final tender documents for facilities, the furniture and equipment will be provided by JICS during implementation stage of the Project.

3. Japan's Grant Aid Scheme

Myanmar side understood the Japan's Grant Aid Scheme and the necessary measures to be taken by the Government of Myanmar as explained by the Team and described in ANNEX 4 and ANNEX 5 of the Minutes of Discussions signed by both parties on 10 February 2009.

4. Tentative time schedule of the Project

Myanmar side understood the tentative time schedule of implementation stage of the Project including schedule of the Exchange of Notes (E/N) and Grant Agreement (G/A) as shown in Annex 2. Myanmar side also understood the time schedule is subject to change, depending on the date of the E/N and G/A.

5. Agent Agreement(A/A)

Myanmar side also understood the necessity of the conclusion of the A/A as soon as possible after the signature of the E/N and G/A for the smooth implementation of the Project.

6. Others

On 25 June 2009, Foreign Economic Relations Department under the Ministry of National Planning and Economic Development informed to Department of Social Welfare the change of title to "School-Cum-Cyclone Shelter" instead of "Primary School-Cum-Cyclone Shelter" and the possibility to replace some high schools in the construction of project. Detailed information will be informed to Japanese side after the consultation with Foreign Economic Relations Department.

Receiving this information on this June 29, 2009, however, the JICA Study Team expressed that this change would not be accepted.

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Annex 1. List of the Technical Reference for Tender Documents

1. Design Drawings
2. Bill of Quantities (BOQ)
3. General/Particular Specifications
4. Tender and Contract Forms

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Annex 2. Tentative time schedule of the Project

TENTATIVE IMPLEMENTATION SCHEDULE

	2009												2010												2011						
	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3					
Outline Design Study	[Bar chart from month 2 to 7]																														
Field Survey/Study in Myanmar	[Bar chart from month 2 to 4]			[Bar chart from month 6 to 7]																											
Inception Report	▲																														
Progress Report	▲																														
Draft Final Report				▲																											
Final Report (draft), Draft Tender Documents (T/D)						▲																									
Final Report							▲																								
	[New Year Holidays]																														
Approval of Cabinet of Japan						▲																									
Exchange of Notes (E/N)						▲																									
Grant Agreement (G/A)						▲																									
Agent Agreement						▲																									
(Construction Work)																															
Preparation of Tender Documents						[Bar chart from month 7 to 8]																									
Prequalification							[Bar chart from month 8 to 9]																								
Tendering										[Bar chart from month 9 to 10]																					
Tender Evaluation											[Bar chart from month 10 to 11]																				
Issue of Award											▲																				
Preparation of bond, insurance etc.											[Bar chart from month 11 to 12]																				
Contract for construction works											▲																				
Construction Works												[Bar chart from month 11 to 12]																			
Inspection / Touch-up												[Bar chart from month 12 to 1]																			
Handing-over												[Bar chart from month 12 to 1]																			

Rainy season: June - October

81

LS104

5. 事業事前計画表（概略設計調査時）

1. 案件名
ミャンマー国 サイクロン被災地小学校建設計画（防災・災害復興支援）
2. 要請の背景（協力の必要性・位置付け）
<p>ミャンマー国（以下「ミ」国）は2008年5月2日～4日に大型サイクロン「ナルギス」の襲来を受け、死者・行方不明者 約14万人、被害総額 約40億ドルを被った。被災地のエーヤワディデルタからヤンゴンにかけて、多くの建物が倒壊し、約4,000校の小学校が倒壊するなど未曾有の大被害であった。このため、我が国は、緊急援助物資の供与や国際緊急援助隊医療チームの派遣など、国際援助機関とも連携しつつ継続的な緊急支援を実施した。また、被災後2008年8月に防災分野プロジェクト形成調査が、2008年11月には「協力準備（ニーズアセスメント）調査」が実施された。調査の結果、沿岸部における小学校の再建が遅れていること、サイクロンや高潮より人命を守る避難施設が必要であること、自然災害から人命を守るための避難機能を有する小学校再建の緊急性が高いことが確認された。</p> <p>計画対象地域ラプタ及びボガレ・タウンシップにおいては、全647校のうち、517校が完全に破壊され、130校が大きな被害を受けた。政府予算・国際機関等により復旧を進めているが、避難機能を有する学校は15校のみであり、未だ114校は復興の目途がたっていない。</p>
3. プロジェクト全体計画概要
<p>(1) プロジェクト全体計画の目標（裨益対象の範囲、及び規模） サイクロン襲来時避難機能をもつ小学校 20棟（延べ面積8,316.6㎡、全教室数75）が建設され、対象校の教育環境が改善されるとともに、周辺住民のサイクロン被災のリスクが軽減される。 裨益の対象と範囲：▼ラプタ及びボガレ・タウンシップの対象校の児童2,932人 ▼避難可能住民約25,000人（避難収容人員）</p> <p>(2) プロジェクト全体計画の成果 <u>サイクロン襲来時避難機能をもつ小学校 20棟</u>（延べ面積8,316.6㎡、全教室数75）が建設される。</p> <p>(3) プロジェクト全体計画の主要活動 <u>避難機能をもつ小学校 20棟</u>（延べ面積8,316.6㎡、全教室数75）を建設する。</p> <p>(4) 投入（インプット） ア 日本側： 無償資金協力 <u>5.86億円</u> イ 「ミ」国側：本無償資金協力案件の実施に係わる負担額： 0.3百万円 負担内容は、サイトの用意、税金負担等である。</p> <p>(5) 実施体制 主管および実施機関：復旧復興サブコミティ（委員長：社会福祉救済復興省 MoSWERR） 運営官庁：教育省 (MoE)</p>

4. 無償資金協力案件の内容

- (1) サイト
「ミ」国エーヤワディ管区 ラブタ及びボガレ・タウンシップ
- (2) 概要
小学校兼サイクロンシェルター20棟（延べ面積8,316.6㎡、全教室数77）を建設
- (3) 相手国負担事項
 - ・ 建設予定地の確保
 - ・ 銀行手数料
 - ・ 送金手数料
- (4) 概略事業費
概略事業費 5.86億円（日本側負担5.86億円、「ミ」国側負担0.003億円）
- (5) 工期
入札期間を含め約17.5ヵ月（予定）
- (6) 貧困、ジェンダー、環境及び社会面の配慮
該当なし

5. 外部要因リスク（プロジェクト全体計画の目標達成に関して）

- (1) 想定を超えるサイクロン、地震が襲来しない。
- (2) 政情不安、暴動等が起こらない。

6. 過去の類似案件からの教訓の活用

(1) 多目的サイクロンシェルター建設（バングラデシュ国）：
多目的施設として利用されることから維持管理が行いやすく、その教訓は本プロジェクトで建設される避難機能を有する小学校に十分活用できる。

7. プロジェクト全体計画の事後評価に係る提案

- (1) プロジェクト全体計画の目標達成を示す成果指標

	本計画実施前 (2009年)	本計画実施後 (2011年)
安全で良好な環境で学習できる生徒数	0人	2,932人
サイクロン襲来時に収容可能な人数	0人	約25,000人

- (2) その他の成果指標

なし

- (3) 評価のタイミング

2011年（事業終了時）以降

6 収集資料リスト

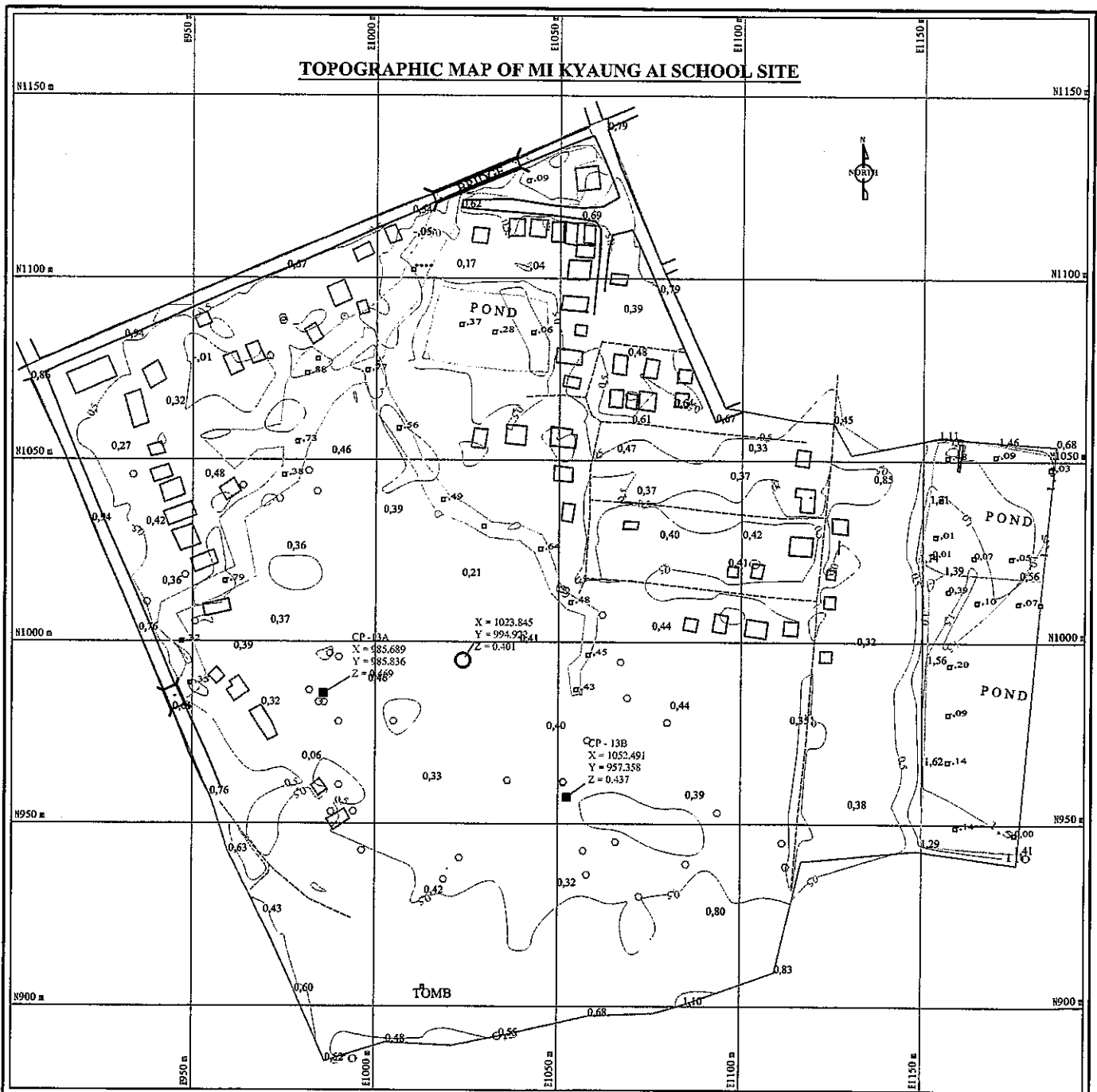
調査名: ミャンマー国サイクロン被災地小学校建設計画(防災・災害復興支援)協力準備(概略設計)調査

番号	名称	形態 図書・ビデオ・地図 ・写真等	オリジナル・コピー	発行機関	発行年
1	Integrated Community Base Early Recovery Program WASH Program proposal to Government of Japan (January 2009 to December 2009)	図書	コピー	UNDP	2009
2	Community Water Supply and Sanitation Recovery Project Project Document	図書	コピー	UN-HABITAT	2009
3	Improvement of water, sanitation and hygiene and prevention of water-related diseases in cyclone affected areas	図書	コピー	UNICEF	2009
4	2 Storey RCC Building Primary School	図書(図面)	コピー	METTA Development Foundation	-
5	Labutta Education	図書	コピー	UNOCHA	2008
6	Labutta Population	図書	コピー	UNOCHA	2008
7	Child Friendly schools for Myanmar	図書(図面)	コピー	UNICEF	2008
8	Proposed Cyclone Shelter	図書(図面)	コピー	Ministry of Science and Technology	2008
9	Map of Labutta and Bogale	地図	コピー	Myanmar Information Management Unit	2009
10	Structure Guideline	図書	オリジナル	Myanmar Engineering Society	2003
11	Inspector Guideline	図書	オリジナル	Myanmar Engineering Society	2007

番号	名称	形態 図書・ビデオ・地図 ・写真等	オリジナル・コピー	発行機関	発行年
12	Sanitary Guideline	図書	オリジナル	Myanmar Engineering Society	2005
13	Mechanical Guideline	図書	オリジナル	Myanmar Engineering Society	2005
14	Mechanical Quick Guide	図書	オリジナル	Myanmar Engineering Society	2007
15	Temporary Electrical Instrument	図書	オリジナル	Myanmar Engineering Society	2008
16	Testing of Electrical Wiring Installation	図書	オリジナル	Myanmar Engineering Society	2008
17	Earthquake Tips	図書	オリジナル	Myanmar Engineering Society	2007
18	Monthly reporting Meteorological (2) Stations and Earthquake Data	図書	オリジナル	Ministry of Transport Department of Meteorology and Hydrology	2008
19	Post-Nargis Recovery and Preparedness Plan	図書	オリジナル	Myanmar Information Management Unit	2008
20	Post-Nargis Periodic Review 1	図書	オリジナル	Myanmar Information Management Unit	2008
21	A set of “Who What Where (3W)”	図書(図面)	コピー	Myanmar Information Management Unit	2009
22	Programme for Reconstruction of Cyclone Nargis Affected Areas and Implementation Plans for Preparedness and Protection from Future Natural Disasters	図書	コピー	Union of Myanmar The National Natural Disaster Preparedness Central Committee	2008
23	Standard of the desk and chair for student	図書(図面)	コピー	Ministry of Education	-

7 測量図

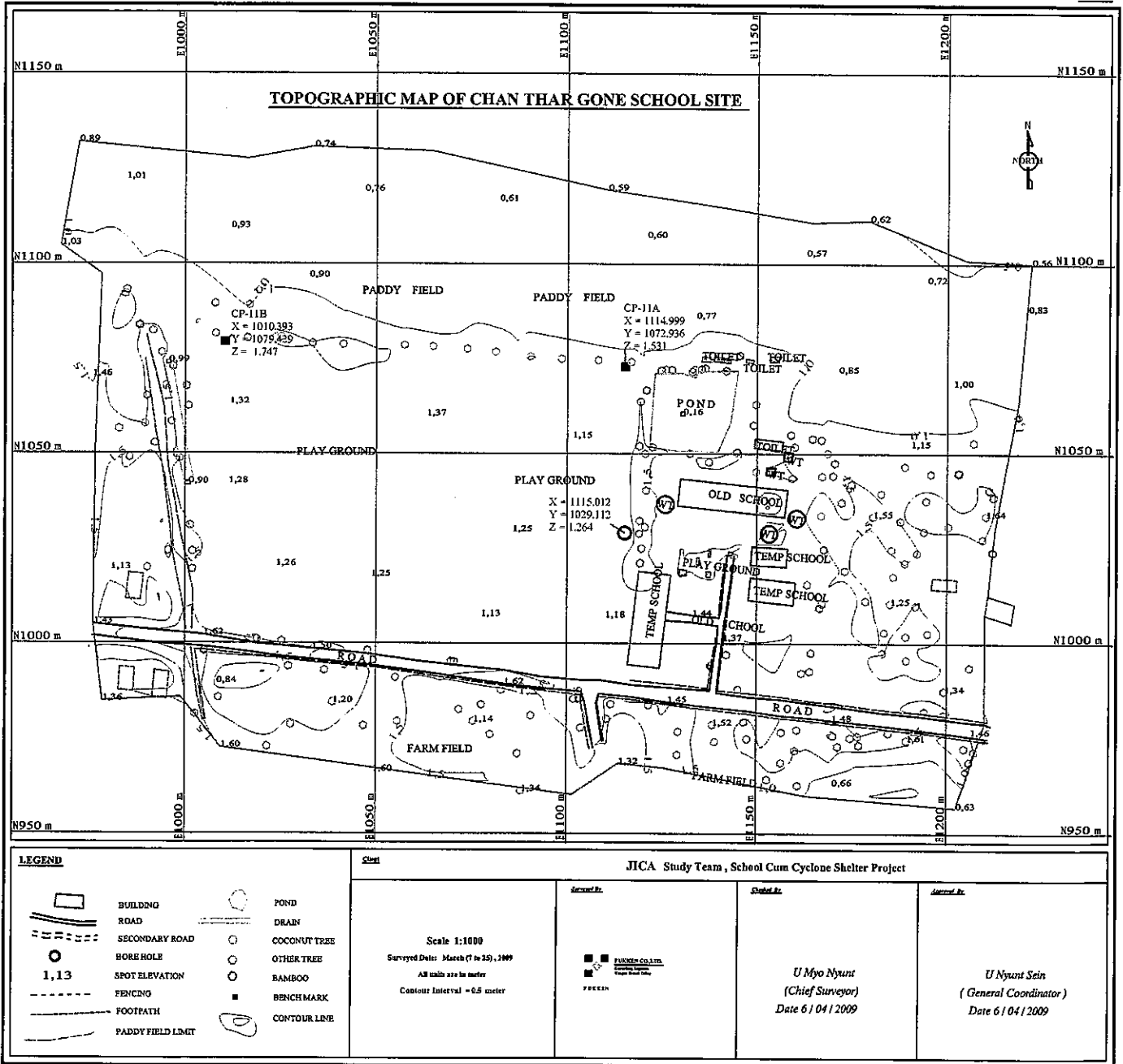
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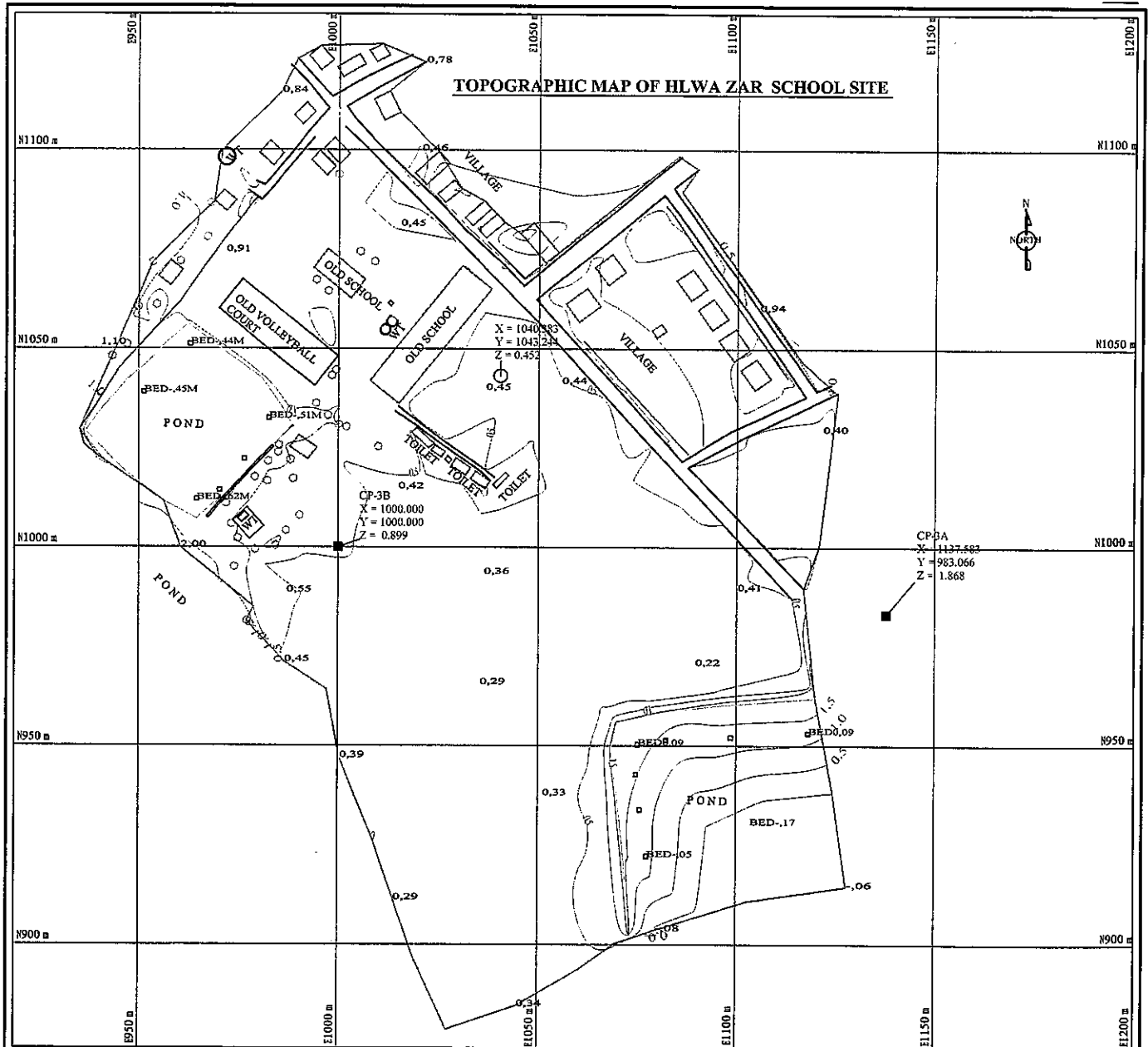


LEGEND

	BUILDING		POND
	ROAD		DRAIN
	SECONDARY ROAD		COCONUT TREE
	BOREHOLE		OTHER TREE
	SPOT ELEVATION		BAMBOO
	FENCING		BENCHMARK
	FOOTPATH		CONTOUR LINE
	FADDY FIELD LIMIT		

Client			
JICA Study Team , School Cam Cyclone Shelter Project			
Scale	Surveyed Date	Chief S.	General C.
Scale 1:2000	Surveyed Date: March (7 to 25), 2009		
All units are in meter		U Myo Nyunt (Chief Surveyor) Date 6 / 04 / 2009	U Nyunt Sein (General Coordinator) Date 6 / 04 / 2009
Contour Interval = 0.5 meter			



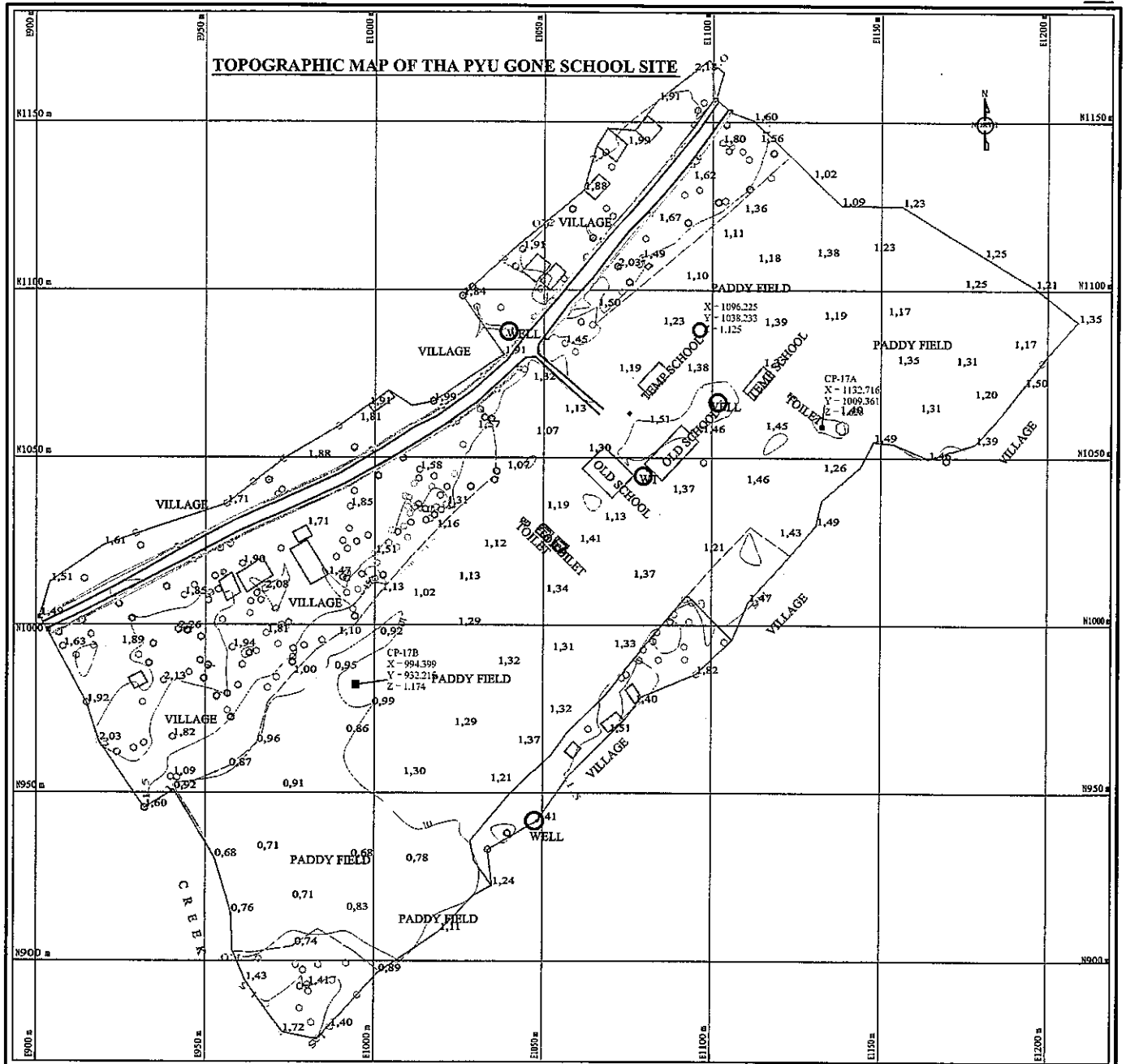


LEGEND

- | | | | |
|--|-------------------|--|--------------|
| | BUILDING | | POND |
| | ROAD | | DRAIN |
| | SECONDARY ROAD | | COCONUT TREE |
| | BORE HOLE | | OTHER TREE |
| | SPOT ELEVATION | | BAMBOO |
| | FENCING | | BENCH MARK |
| | FOOTPATH | | CONTOUR LINE |
| | PADDY FIELD LIMIT | | |

JICA Study Team, School Cum Cyclone Shelter Project

<p style="text-align: center;">Scale 1:1000 Surveyed Date: March (7 to 25), 2009 All units are in meter Contour Interval = 0.5 meter</p>	<p style="text-align: center;">Surveyed By: </p>	<p style="text-align: center;">Checked By: </p>	<p style="text-align: center;">Approved By: </p>
	<p><i>U Myo Nyunt</i> (Chief Surveyor) Date 6 / 04 / 2009</p>	<p><i>U Nyunt Sein</i> (General coordinator) Date 6 / 04 / 2009</p>	

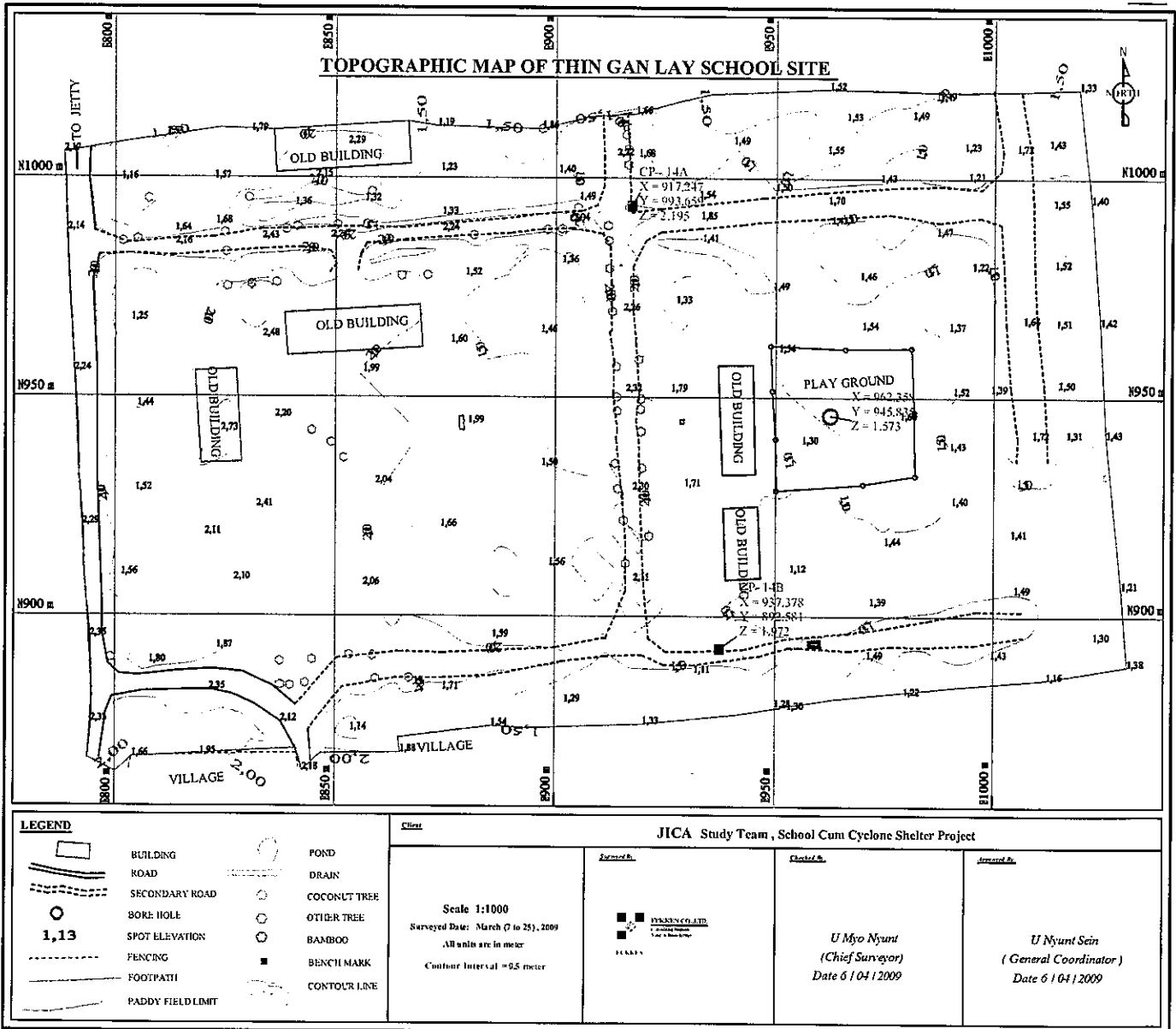


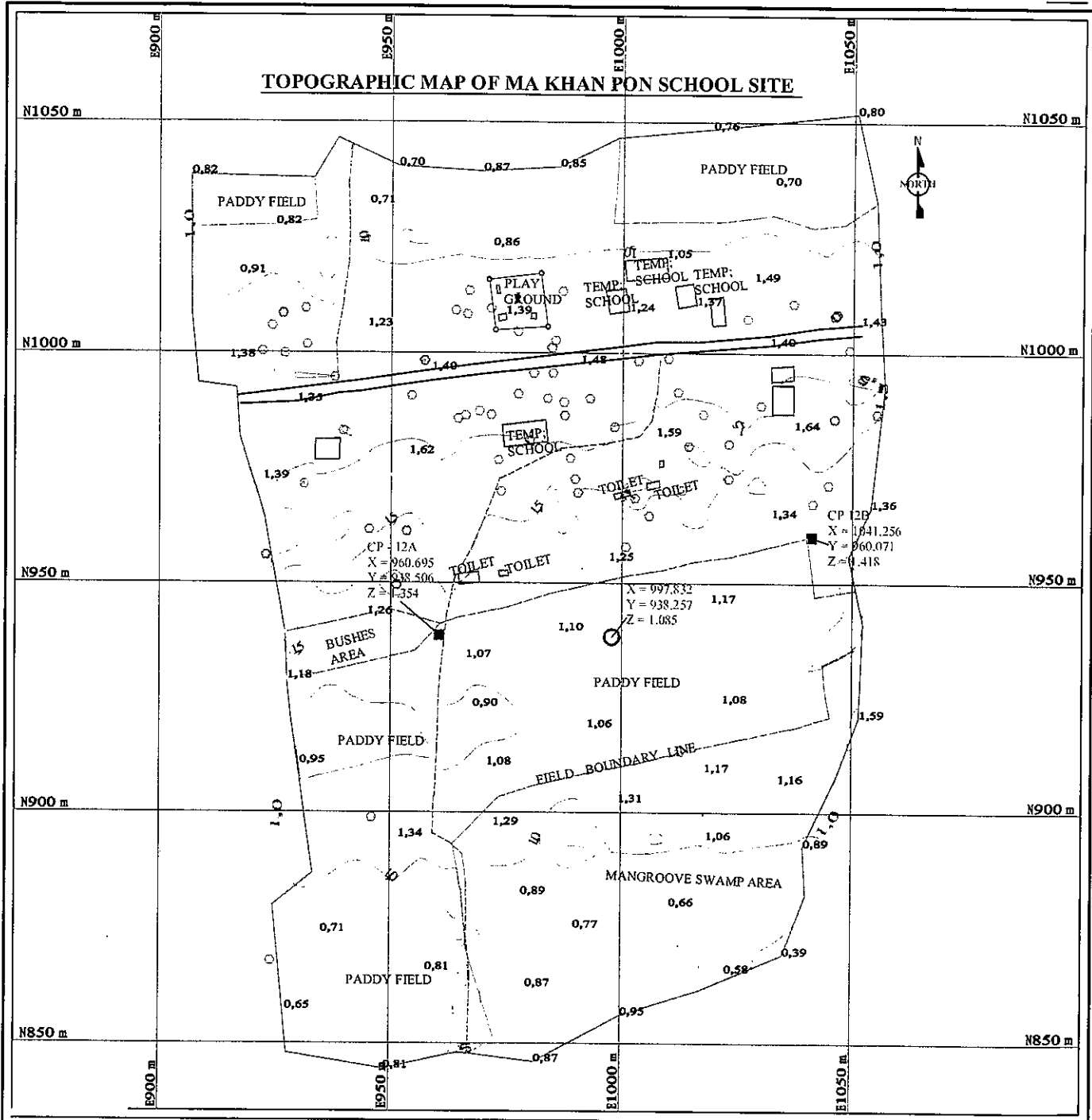
LEGEND

- | | | | |
|--|-------------------|--|--------------|
| | BUILDING | | POND |
| | ROAD | | DRAIN |
| | SECONDARY ROAD | | COCONUT TREE |
| | BORE HOLE | | OTHER TREE |
| | SPOT ELEVATION | | BAMBOO |
| | FENCING | | BENCHMARK |
| | FOOTPATH | | CONTOUR LINE |
| | PADDY FIELD LIMIT | | |

JICA Study Team, School Cum Cyclone Shelter Project

<p>Scale 1:2000</p> <p>Surveyed Date: March (7 to 25), 2009</p> <p>All units are in meter</p> <p>Contour Interval = 0.5 meter</p>	<p>SYMBOLS</p> <p></p>	<p>DATE</p> <p>U Myo Nyunt (Chief Surveyor) Date 6/04/2009</p>	<p>NAME</p> <p>U Nyunt Sein (General Coordinator) Date 6/04/2009</p>
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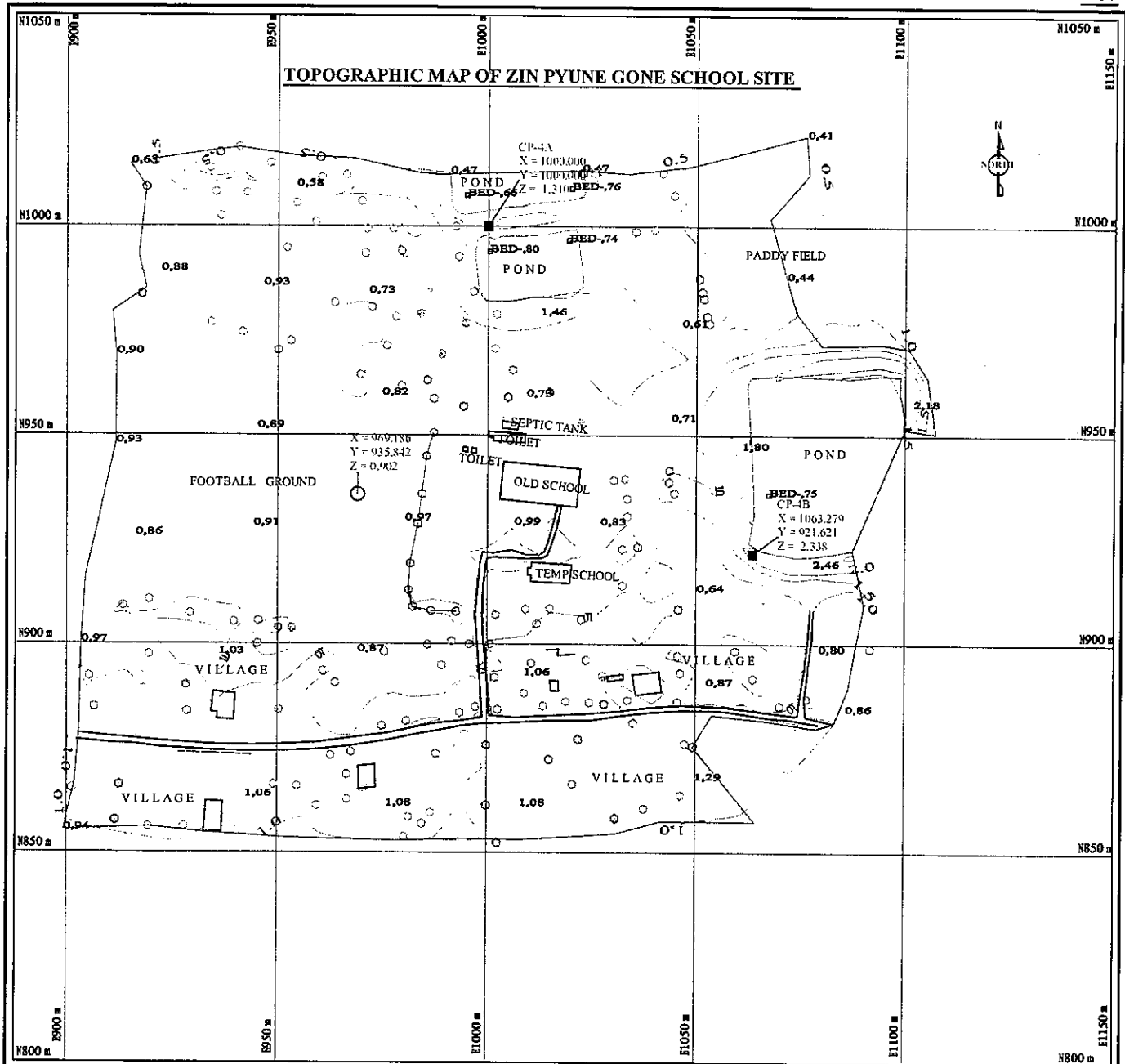


LEGEND

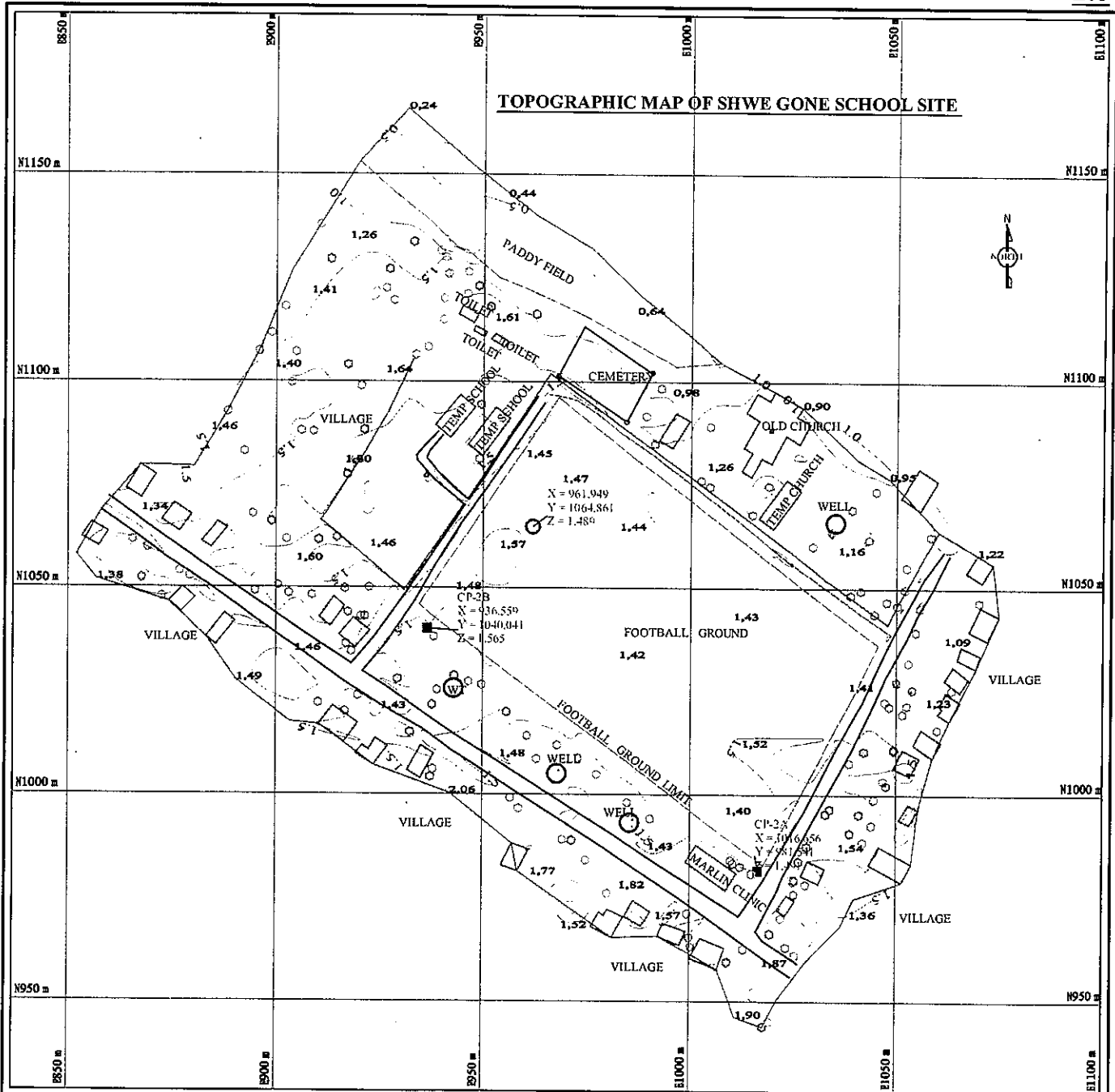
- | | | | |
|--|-------------------|--|--------------|
| | BUILDING | | POND |
| | ROAD | | DRAIN |
| | SECONDARY ROAD | | COCONUT TREE |
| | BORE HOLE | | OTHER TREE |
| | SPOT ELEVATION | | BAMBOO |
| | FENCING | | BENCH MARK |
| | FOOTPATH | | CONTOUR LINE |
| | PADDY FIELD LIMIT | | |

JICA Study Team, School Cum Cyclone Shelter Project

Scale 1:1000 Surveyed Date: March (7 to 25), 2009 All units are in meter Contour Interval = 0.5 meter	Surveyed By 	Checked By U Myo Nyunt (Chief Surveyor) Date 6/04/2009	Approved By U Nyunt Sein (General Coordinator) Date 6/04/2009
	JICA Study Team, School Cum Cyclone Shelter Project		

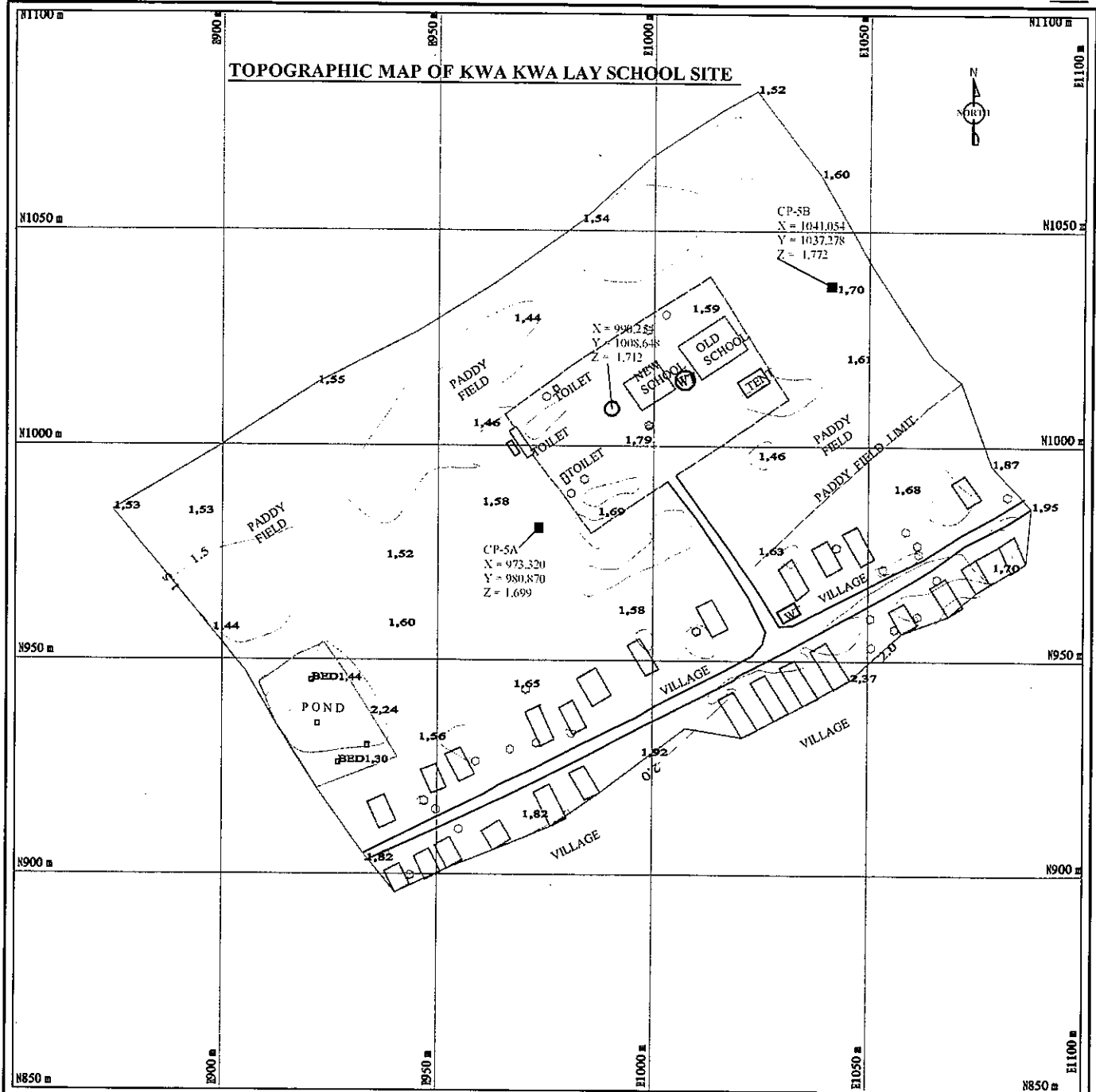


LEGEND		JICA Study Team, School Cum Cyclone Shelter Project			
	BUILDING		POND		
	ROAD		DRAIN		
	SECONDARY ROAD		COCONUT TREE		
	BORE HOLE		OTHER TREE		
	SPOT ELEVATION		BAMBOO		
	FENCING		BENCHMARK		
	FOOTPATH		CONTOUR LINE		
	PADDY FIELD LIMIT				
		Scale 1:1000 Surveyed Date: March (7 to 25), 2009 All units are in meter Contour Interval = 0.5 meter			
		 Surveyor: U Myo Nyunt (Chief Surveyor) Date 6/04/2009			
		General: U Nyunt Sein (General Coordinator) Date 6/04/2009			

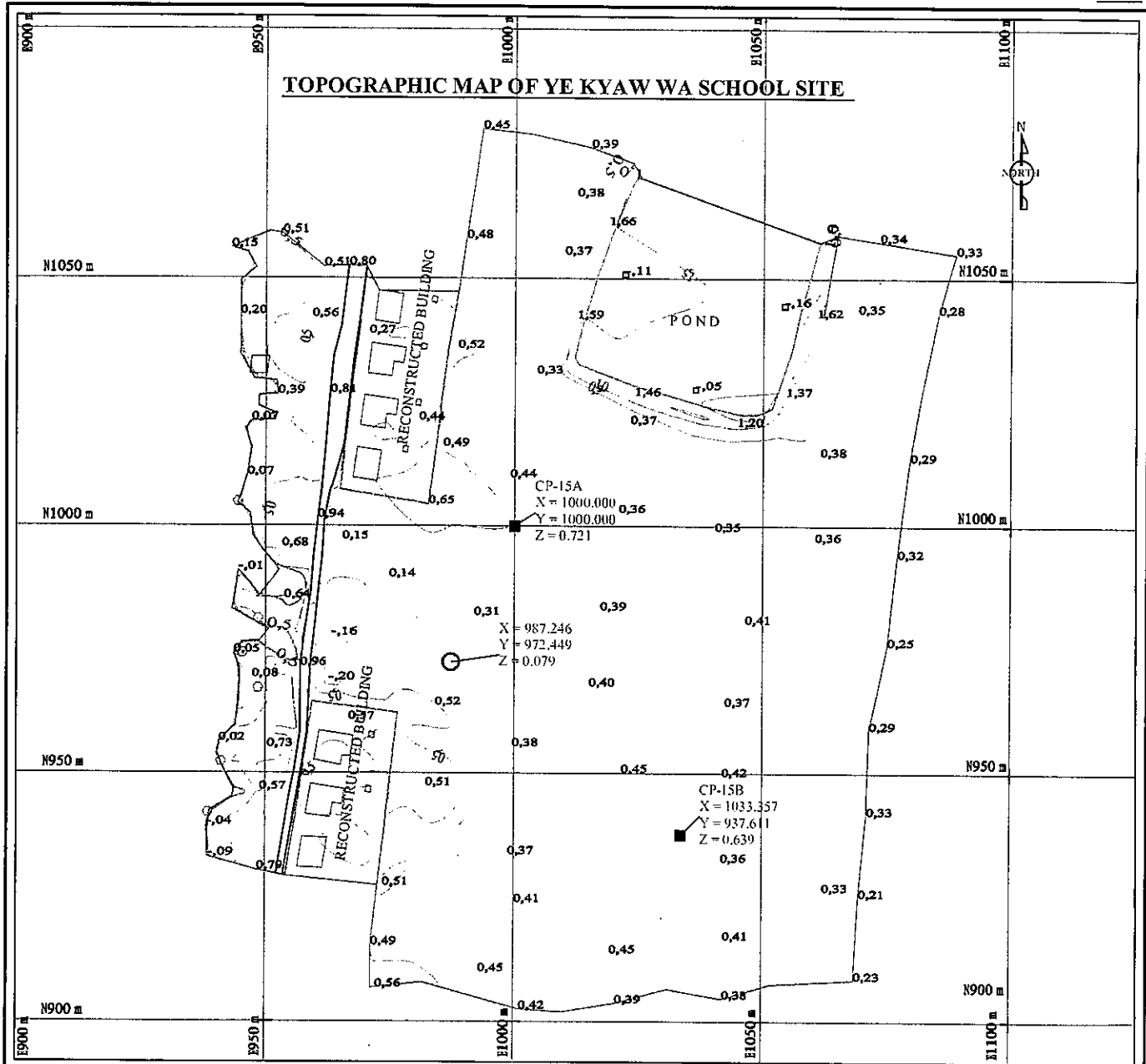


TOPOGRAPHIC MAP OF SHWE GONE SCHOOL SITE

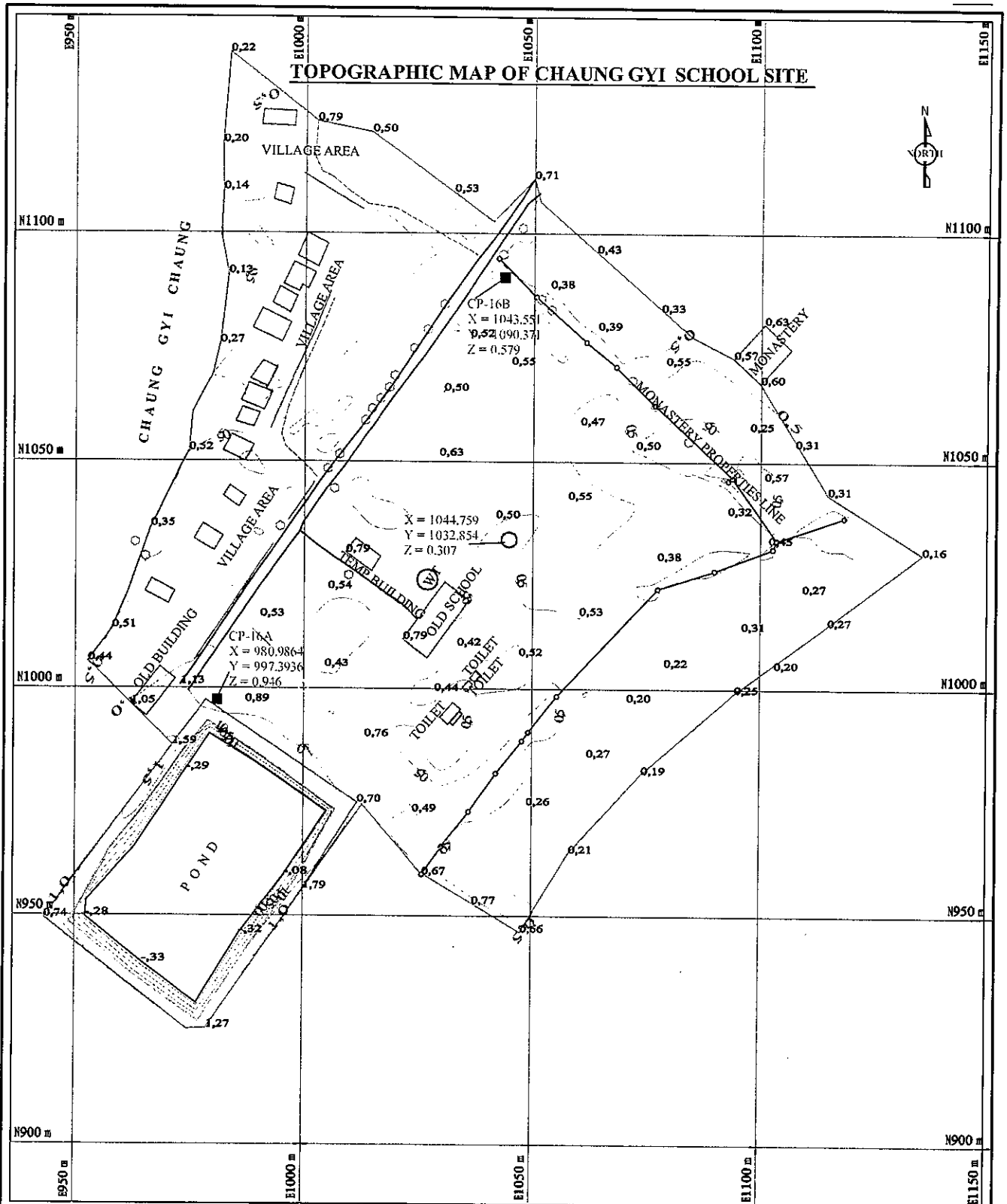
LEGEND		JICA Study Team, School Cum Cyclone Shelter Project					
	BUILDING		POND	<p>Scale 1:1000 Surveyed Date: March (7 to 25), 2009 All units are in meter (contour Interval) = 0.5 meter</p>	<p></p>	<p><i>U Myo Nyunt</i> (Chief Surveyor) Date 6 / 04 / 2009</p>	<p><i>U Nyunt Sein</i> (General Coordinator) Date 6 / 04 / 2009</p>
	ROAD		DRAIN				
	SECONDARY ROAD		COCONUT TREE				
	BORE HOLE		OTHER TREE				
	SPOT ELEVATION		BAMBOO				
	FENCING		BENCH MARK				
	FOOTPATH		CONTOUR LINE				
	PADDY FIELD LIMIT						



LEGEND		JICA Study Team, School Cum Cyclone Shelter Project			
	BUILDING		POND		Secondary Rd.
	ROAD		DRAIN		Contour
	SECONDARY ROAD		COCONUT TREE		Spot Elev.
	BORE HOLE		OTHER TREE		Fencing
	SPOT ELEVATION		BAMBOO		Footpath
	FENCING		BENCH MARK		Paddy Field Limit
	FOOTPATH		CONTOUR LINE		
	PADDY FIELD LIMIT				
		<p>Scale 1:1000</p> <p>Surveyed Date: March (7 to 25), 2009</p> <p>All units are in meter</p> <p>Contour Interval = 0.5 meter</p>			
		<p></p> <p>FUJITSU CO., LTD.</p> <p>Surveying Division</p> <p>1120-2, Higashi 1-chome, Nishi-ku, Kyoto</p> <p>160-8588</p>			
		<p><i>U Myo Nyunt</i></p> <p>(Chief Surveyor)</p> <p>Date 6/04/2009</p>		<p><i>U Nyunt Sein</i></p> <p>(General Coordinator)</p> <p>Date 6/04/2009</p>	



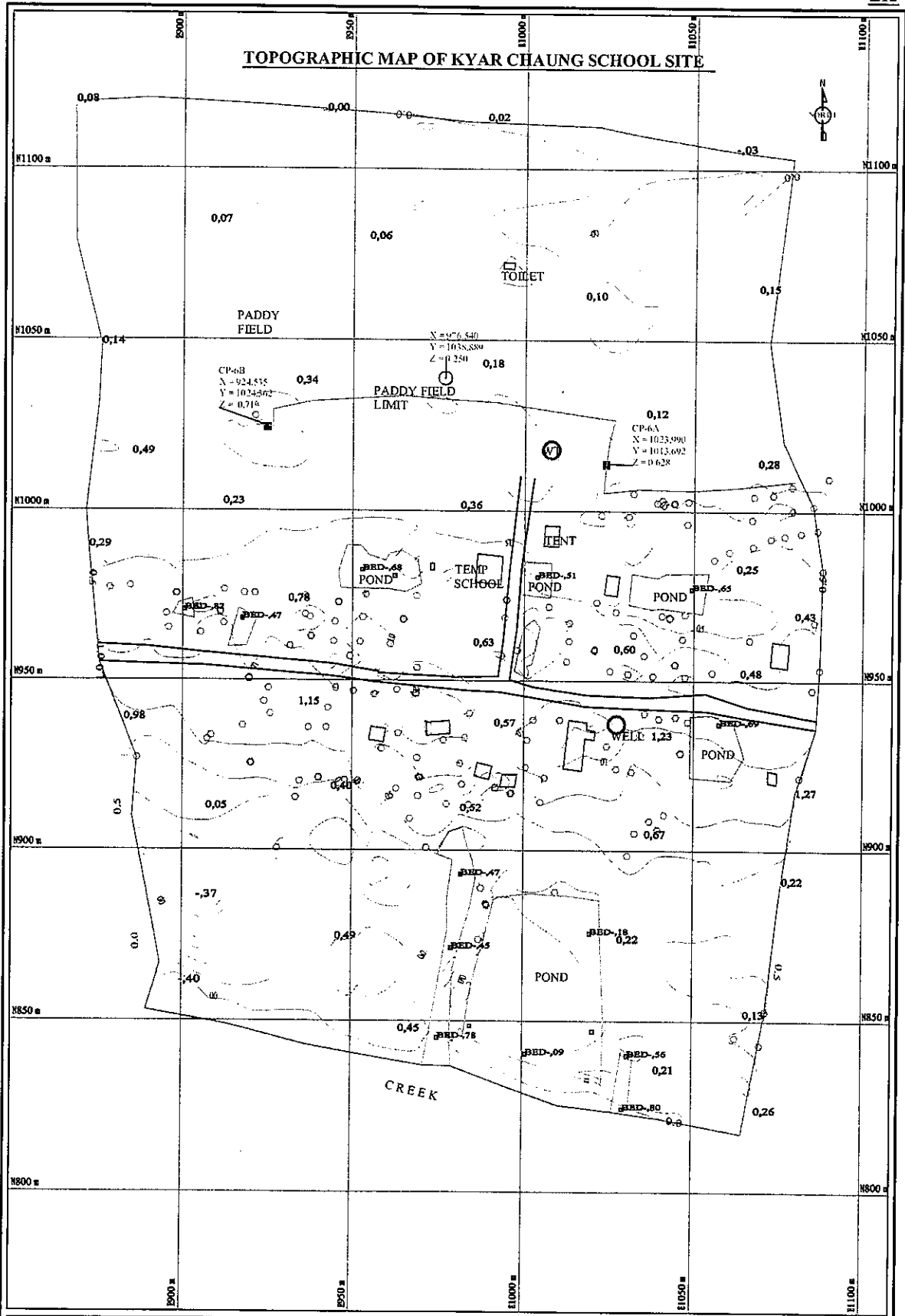
LEGEND		Client: JICA Study Team, School Cum Cyclone Shelter Project			
BUILDING ROAD SECONDARY ROAD BORE HOLE 1,13 SPOT ELEVATION FENCING FOOTPATH PADDY FIELD LIMIT	POND DRAIN COCONUT TREE OTHER TREE BAMBOO BENCH MARK CONTOUR LINE	Surveyed By: _____ Checked By: _____ Approved By: _____	Scale 1:1000 Surveyed Date: March (7 to 25), 2009 All units are in meter Contour Interval = 0.5 meter	 <i>U Myo Nyunt</i> (Chief Surveyor) Date 6 / 04 / 2009	 <i>U Nyunt Sein</i> (General Coordinator) Date 6 / 04 / 2009



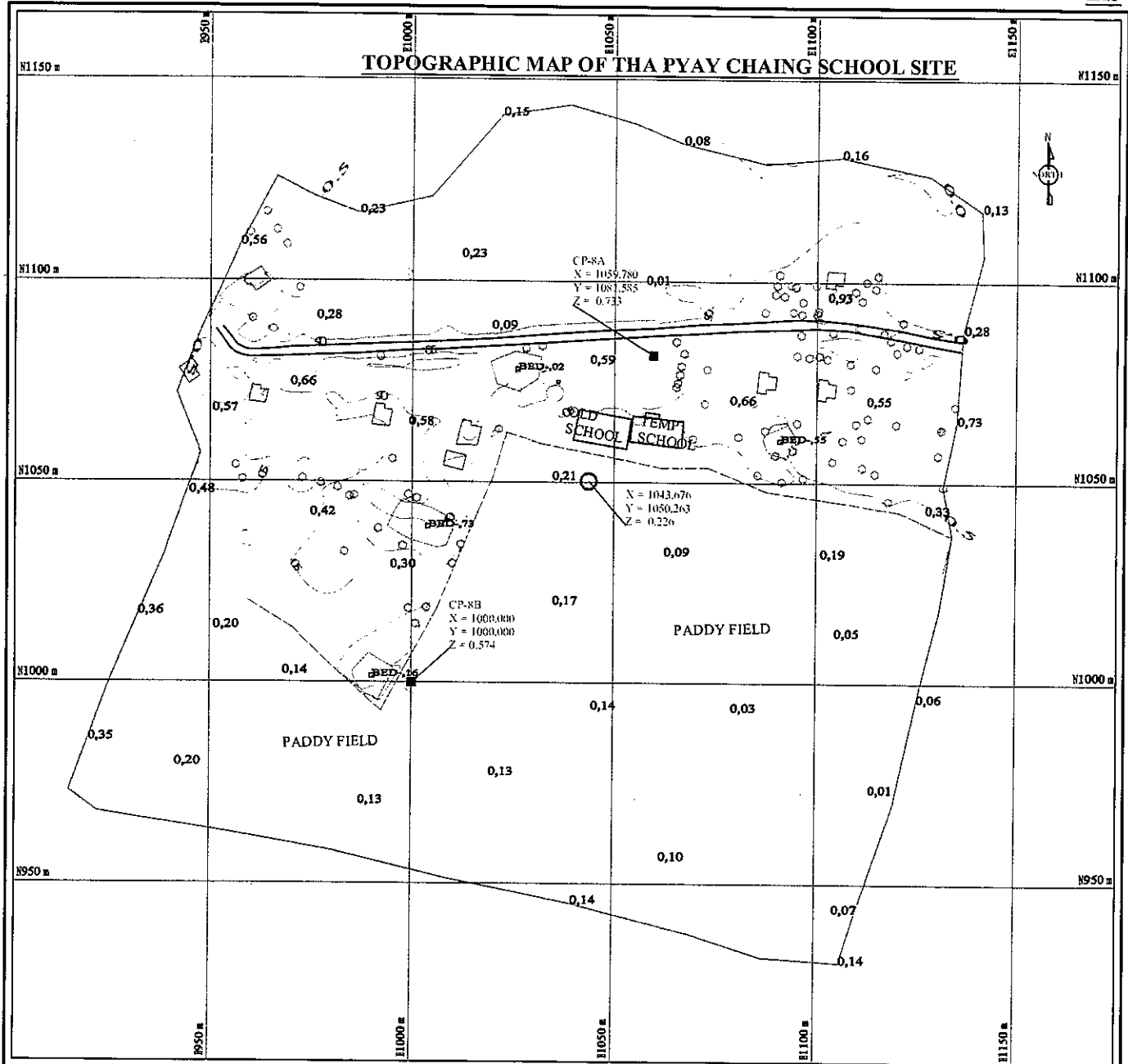
LEGEND

	BUILDING		POND
	ROAD		DRAIN
	SECONDARY ROAD		COCONUT TREE
	BORE HOLE		OTHER TREE
	SPOT ELEVATION		BAMBOO
	FENCING		BENCH MARK
	FOOTPATH		CONTOUR LINE
	PADDY FIELD LIMIT		

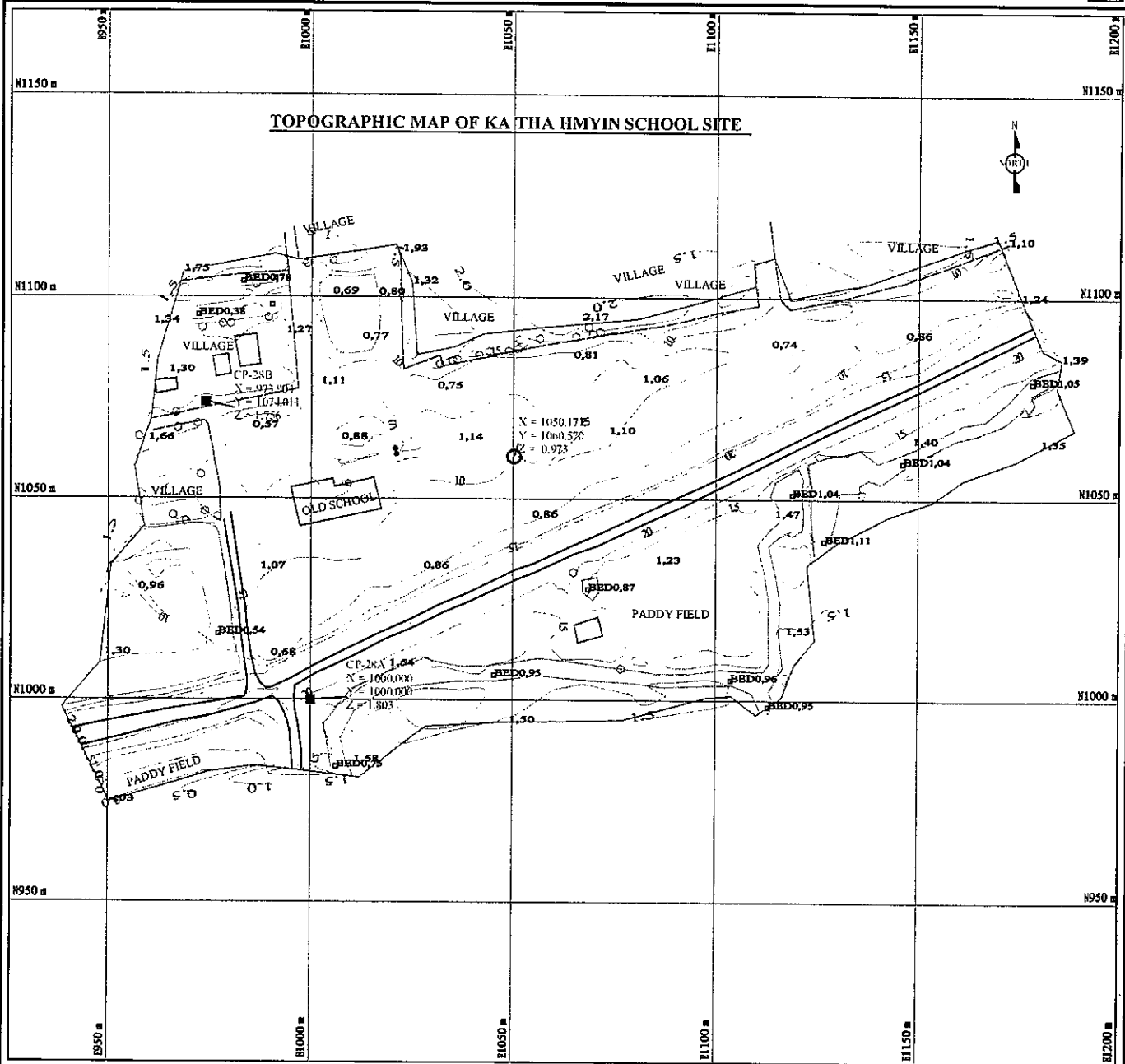
Client: JICA Study Team , School Cum Cyclone Shelter Project			
Scale 1:1000 Surveyed Date: March (7 to 25), 2009 All units are in meter Contour Interval = 0.5 meter	Surveyed By: TILKREN	Checked By: U Myo Nyunt (Chief Surveyor) Date 6 / 04 / 2009	Approved By: U Nyunt Sein (General Coordinator) Date 6 / 04 / 2009



LEGEND 		Client JICA Study Team - School Cum Cyclone Shelter Project		
Scale 1:2000 Surveyed Date: March (7 to 25), 2009 All units are in meter Contour Interval: 0.5 meter				
		U Myo Nyunt (Chief Surveyor) Date 6 / 04 / 2009		U Nyunt Sein (General Coordinator) Date 6 / 04 / 2009

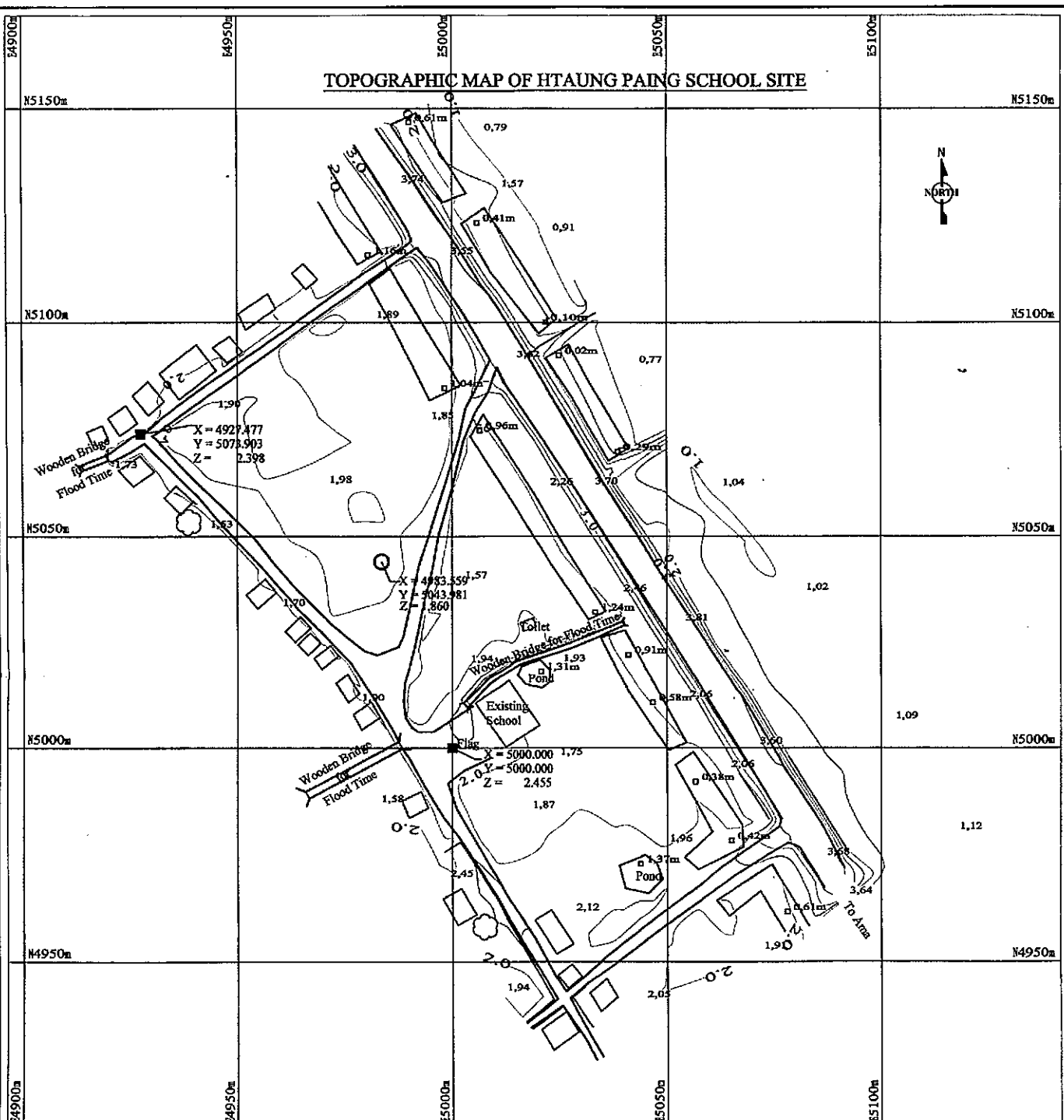


LEGEND		Client: JICA Study Team, School Cuni Cyclone Shelter Project				
 1,13 	BUILDING ROAD SECONDARY ROAD BORE HOLE SPOT ELEVATION FENCING FOOTPATH PADDY FIELD LIMIT	 	POND DRAIN COCONUT TREE OTHER TREE BAMBOO BENCH MARK CONTOUR LINE	Scale 1:1000 Surveyed Date: March (1 to 25), 2009 All units are in meter Contour Interval = 0.5 meter	 JICA <div style="text-align: right;"> <i>U Myo Nmyint</i> (Chief Surveyor) Date 6/04/2009 </div>	<div style="text-align: right;"> <i>U Nmyint Sein</i> (General Coordinator) Date 6/04/2009 </div>



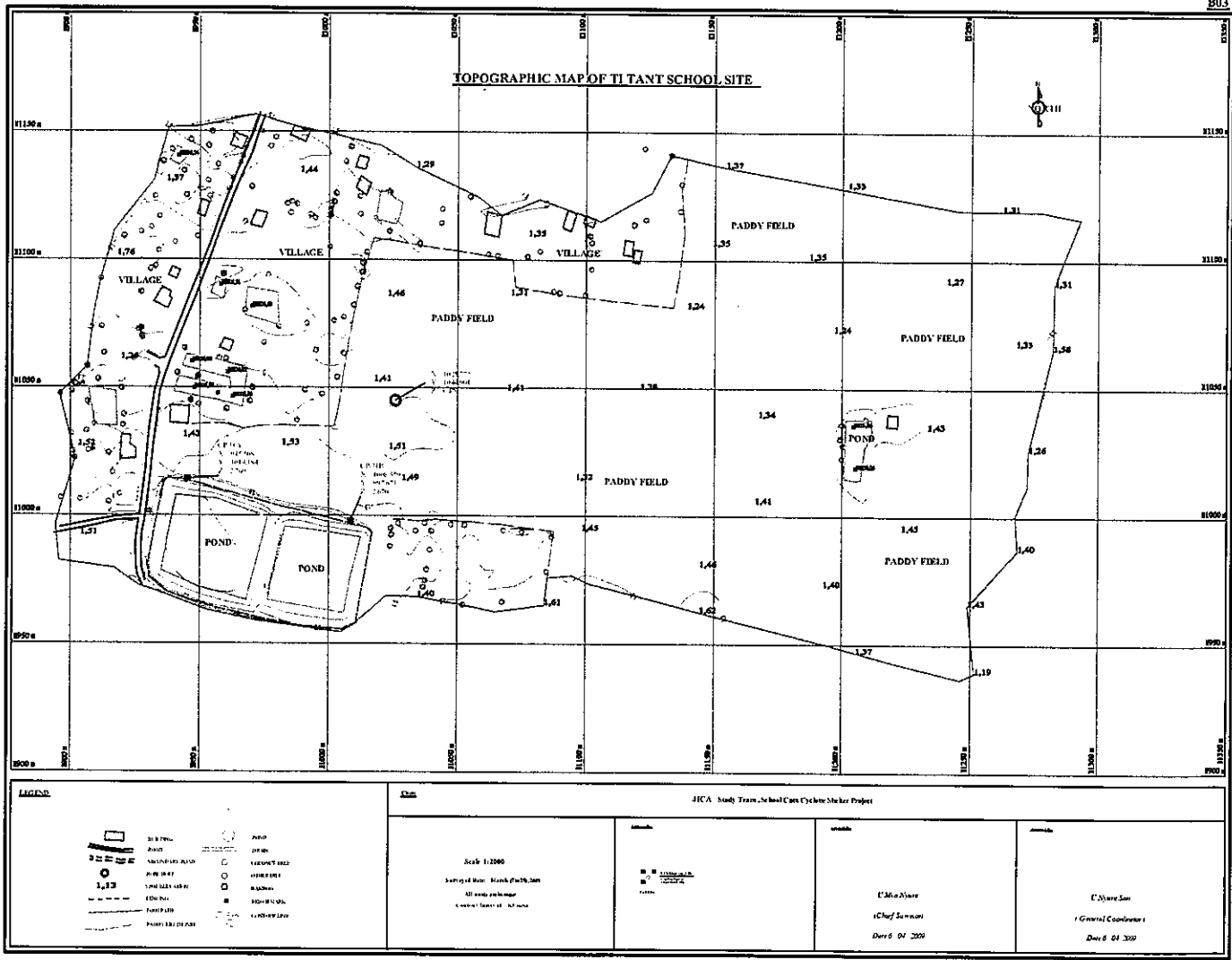
LEGEND		Client: JICA Study Team, School Cum Cyclone Shelter Project			
	BUILDING		POND		<i>U Myo Nyunt</i> (Chief Surveyor) Date 6/04/2009
	ROAD		DRAIN		<i>U Nyunt Sein</i> (General Coordinator) Date 6/04/2009
	SECONDARY ROAD		COCONUT TREE		
	BORE HOLE		OTHER TREE		
	SPOT ELEVATION		BAMBOO		
	FENCING		BENCH MARK		
	FOOTPATH		CONTOUR LINE		
	PADDY FIELD LIMIT				
		Scale 1:1000 Surveyed Date: March (7 to 25), 2009 All units are in meter Contour Interval = 0.5 meter			

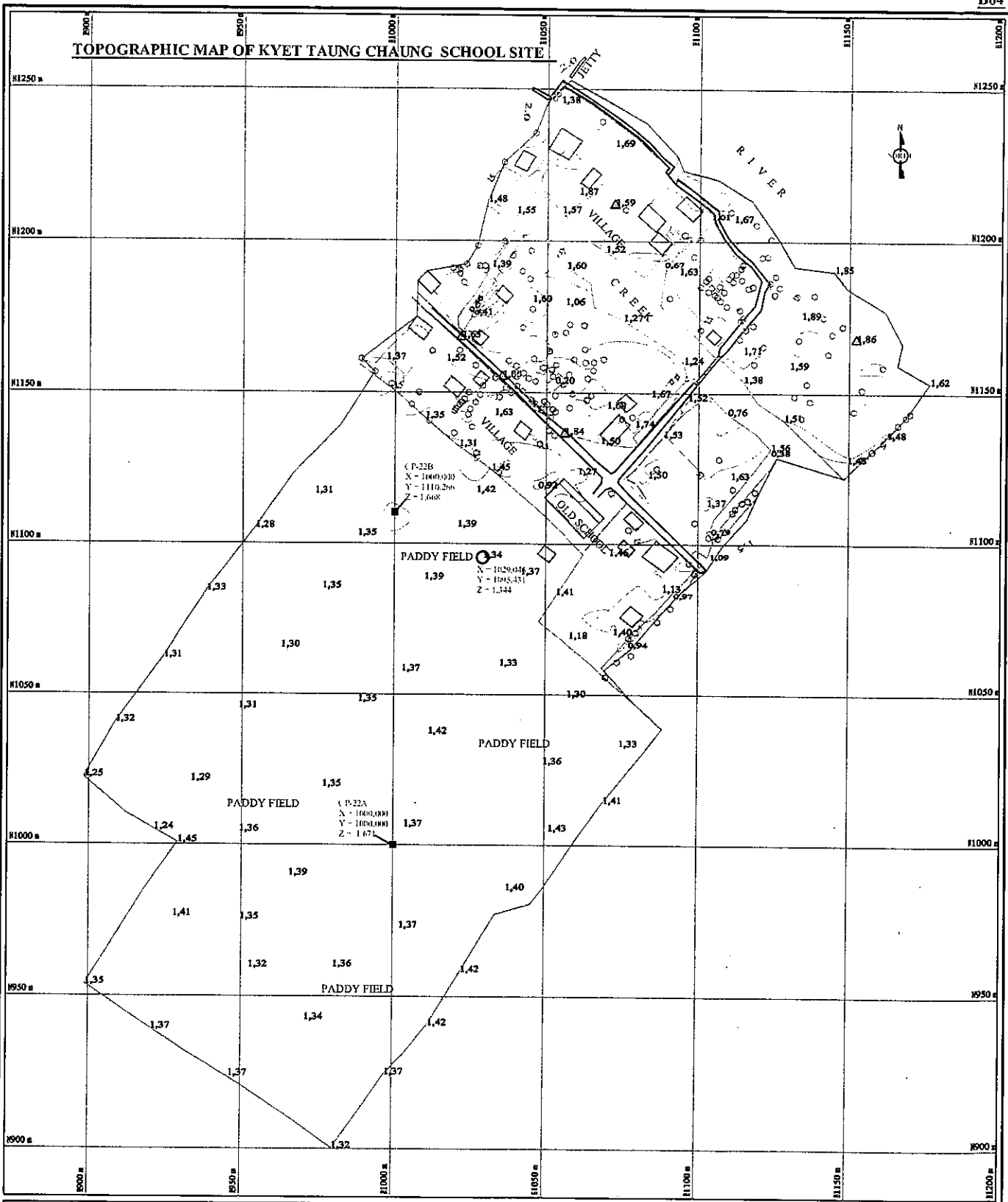
TOPOGRAPHIC MAP OF HTAUNG PAING SCHOOL SITE



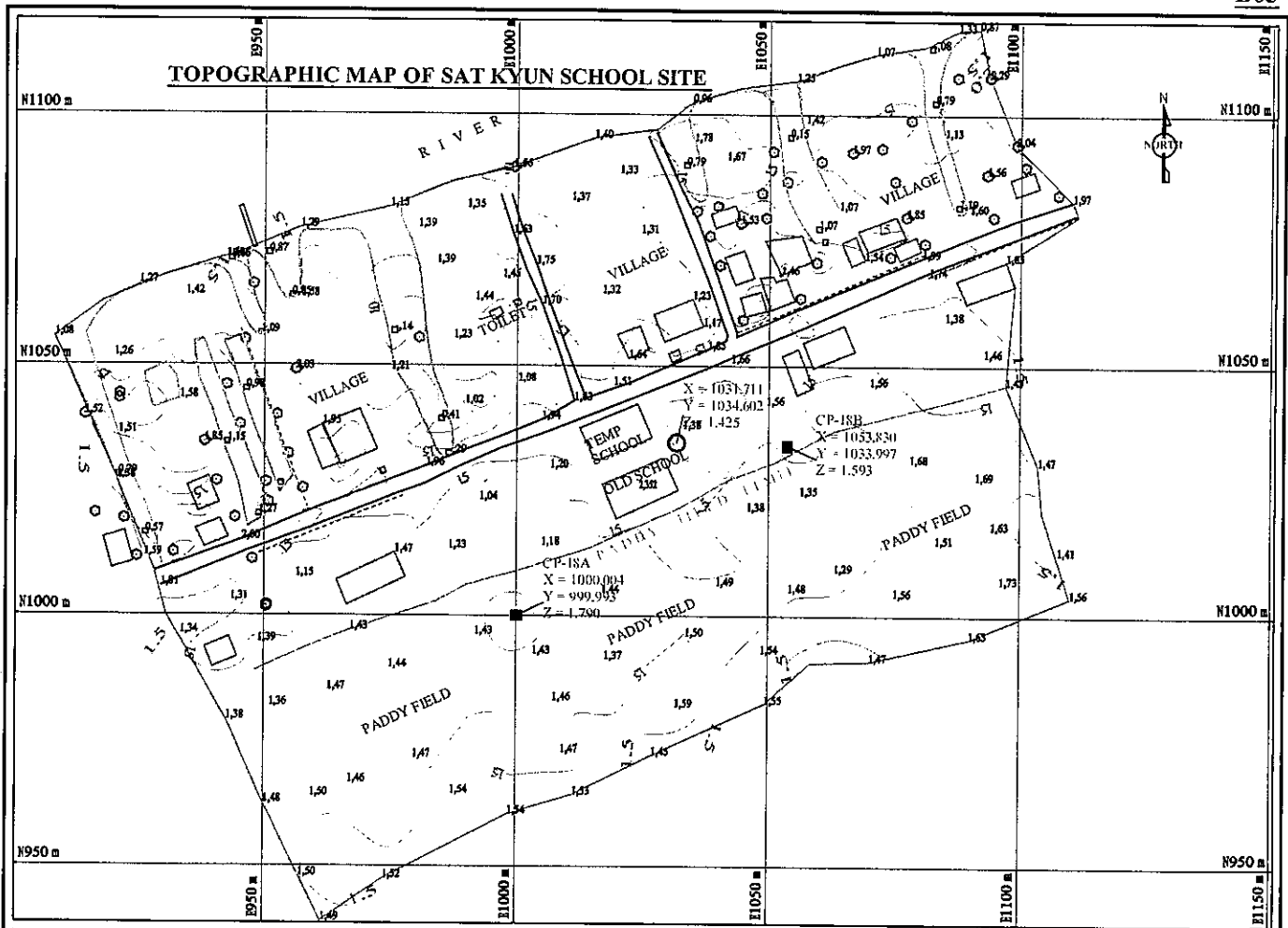
LEGEND			
	BUILDING		POND
	ROAD		DRAIN
	SECONDARY ROAD		COCONUT TREE
	BORE HOLE		OTHER TREE
	SPOT ELEVATION		BAMBOO
	FENCING		BENCHMARK
	FOOTPATH		CONTOUR LINE
	PADDY FIELD LIMIT		

JICA Study Team, School Cum Cyclone Shelter Project			
Drawn	Checked	Checked	Approved
<p>Scale 1:1000</p> <p>Surveyed Date May (2 to 3), 2009</p> <p>All units are in meter</p> <p>Contour Interval = 0.5 meter</p>		<p><i>U Myo Nyunt</i></p> <p>(Chief Surveyor)</p> <p>Date 5 / 05 / 2009</p>	<p><i>U Nyunt Sein</i></p> <p>(General Coordinator)</p> <p>Date 5 / 05 / 2009</p>



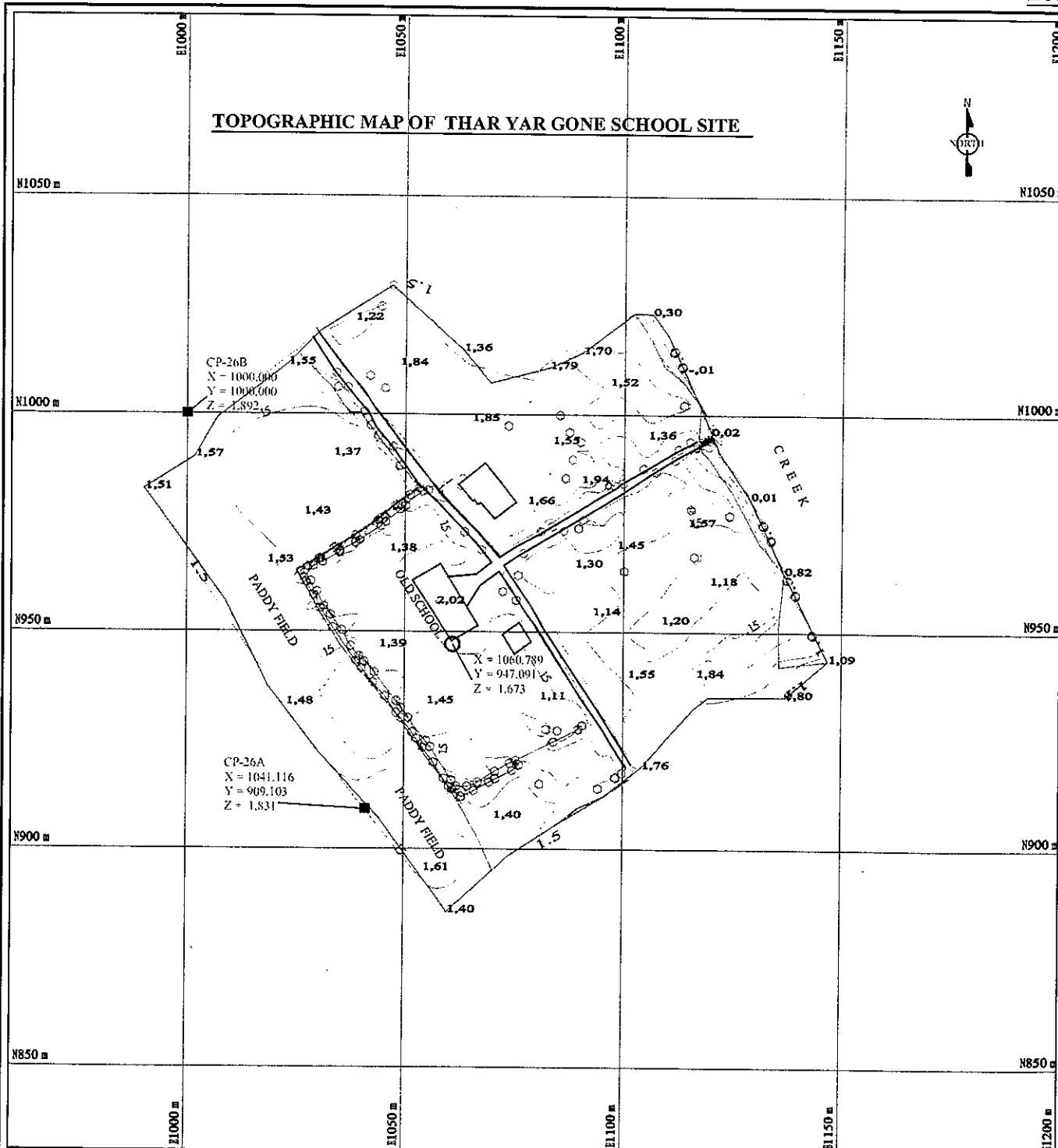


<p>LEGEND</p> <table border="0"> <tr> <td></td> <td>BUILDING</td> <td></td> <td>POND</td> </tr> <tr> <td></td> <td>ROAD</td> <td></td> <td>DRAIN</td> </tr> <tr> <td></td> <td>SECONDARY ROAD</td> <td></td> <td>COCONUT TREE</td> </tr> <tr> <td></td> <td>BORE WELL</td> <td></td> <td>OTHER TREE</td> </tr> <tr> <td></td> <td>SPOT ELEVATION</td> <td></td> <td>BAMBOO</td> </tr> <tr> <td></td> <td>FENCING</td> <td></td> <td>BENCHMARK</td> </tr> <tr> <td></td> <td>FOOTPATH</td> <td></td> <td>CONTOUR LINE</td> </tr> <tr> <td></td> <td>PADDY FIELD BOUNDARY</td> <td></td> <td></td> </tr> </table>			BUILDING		POND		ROAD		DRAIN		SECONDARY ROAD		COCONUT TREE		BORE WELL		OTHER TREE		SPOT ELEVATION		BAMBOO		FENCING		BENCHMARK		FOOTPATH		CONTOUR LINE		PADDY FIELD BOUNDARY			<p>Kilometers</p> <p>JICA Study Team - School Cum Cyclone Shelter Project</p> <p>Scale 1:2000 Surveyed Date: March (7th-25th), 2009 All units are in Meter Contour Interval - 0.5 meter</p>			
	BUILDING		POND																																		
	ROAD		DRAIN																																		
	SECONDARY ROAD		COCONUT TREE																																		
	BORE WELL		OTHER TREE																																		
	SPOT ELEVATION		BAMBOO																																		
	FENCING		BENCHMARK																																		
	FOOTPATH		CONTOUR LINE																																		
	PADDY FIELD BOUNDARY																																				
		<p></p> <p>U Nyo Nyo (Chief Surveyor) Date 6/04/2009</p>		<p></p> <p>U Nyo Sein (General Coordinator) Date 6/04/2009</p>																																	



LEGEND		JICA Study Team, School Cum Cyclone Shelter Project			
	BUILDING		POND	Surveyed By:	
	ROAD		DRAIN	Scaled By:	
	SECONDARY ROAD		COCONUT TREE	Checked By:	
	BORE HOLE		OTHER TREE	Drawn By:	
	SPOT ELEVATION		BAMBOO	Scale:	1:1000
	FENCING		BENCHMARK	Surveyed Date:	March (7 to 25), 2009
	FOOTPATH		CONTOUR LINE	All units are in meter	
	PADDY FIELD LIMIT			Contour Interval = 0.5 meter	
					U Myo Nyunt (Chief Surveyor) Date 6 / 04 / 2009
					U Nyunt Sein (General Coordinator) Date 6 / 04 / 2009

TOPOGRAPHIC MAP OF THAR YAR GONE SCHOOL SITE

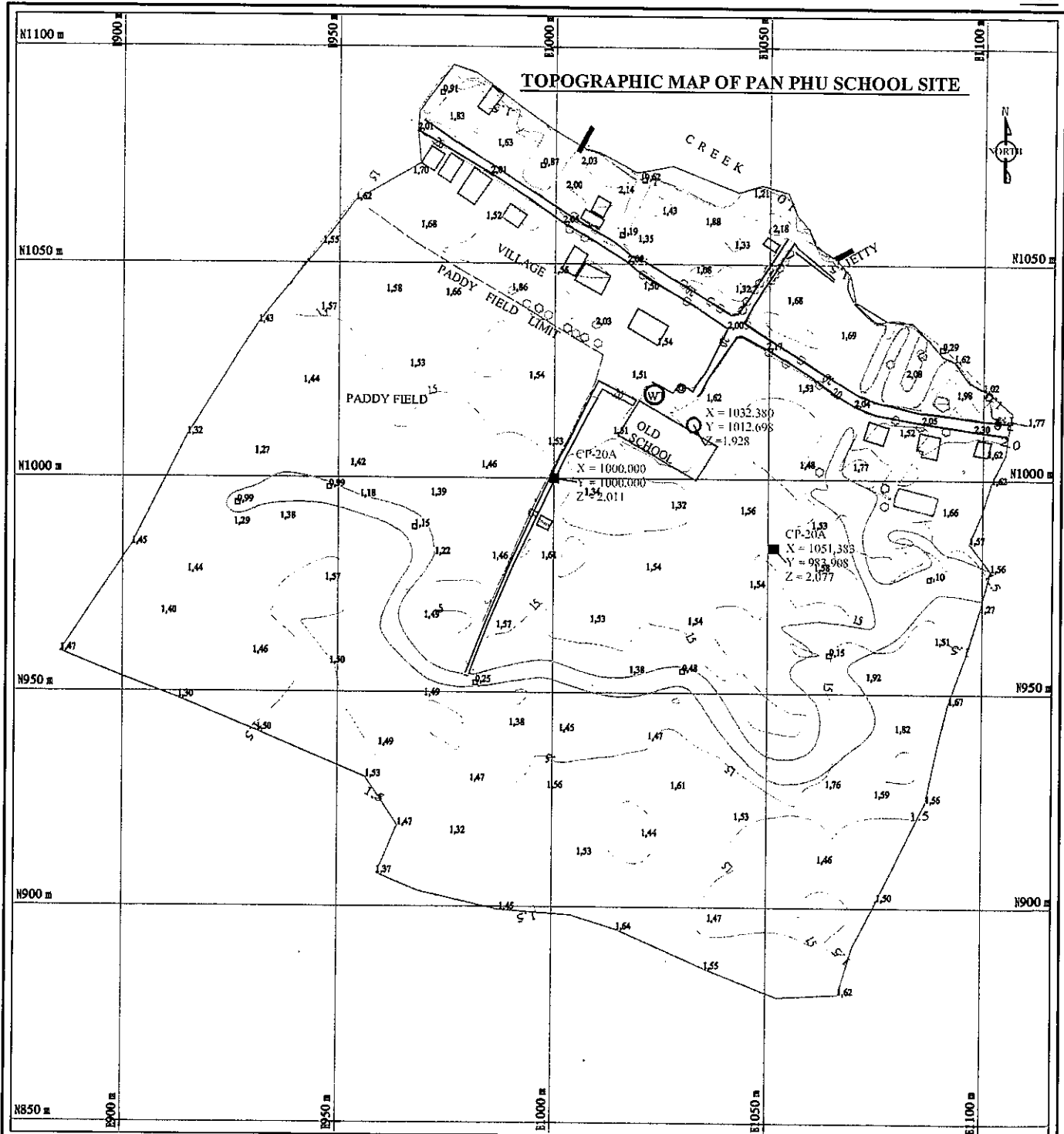


CP-26B
X = 1000.000
Y = 1000.000
Z = 1.892.5

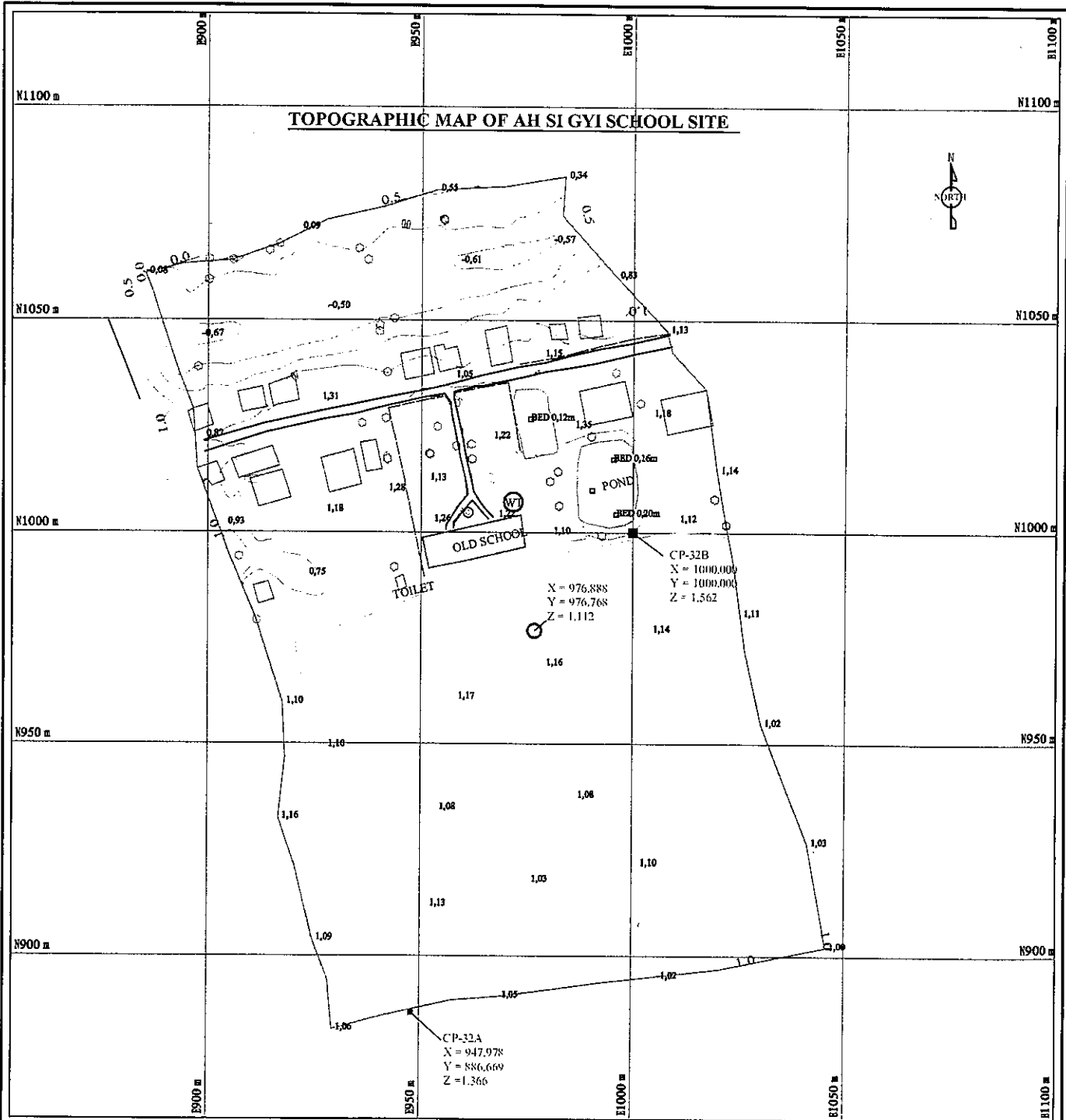
X = 1060.789
Y = 947.091
Z = 1.673

CP-26A
X = 1041.116
Y = 909.103
Z = 1.831

LEGEND		Client: JICA Study Team , School Cum Cyclone Shelter Project		
	BUILDING		POND	Scale 1:1000 Surveyed Date: March (7 to 25), 2009 All units are in meter Contour Interval = 0.5 meter
	ROAD		DRAIN	
	SECONDARY ROAD		COCONUT TREE	 FUSSEN CO. LTD. Quality Survey The Professionals
	BORE HOLE		OTHER TREE	
	SPOT ELEVATION		BAMBOO	Checked By: U Myo Nyunt (Chief Surveyor) Date 6 / 04 / 2009
	FENCING		BENCH MARK	
	FOOTPATH		CONTOUR LINE	
	PADDY FIELD LIMIT			



LEGEND		JICA Study Team, School Cum Cyclone Shelter Project		
	BUILDING		POND	Scale 1:1000 Surveyed Date: March (7 to 25), 2009 All units are in meter (Contour Interval = 0.5 meter)
	ROAD		DRAIN	
	SECONDARY ROAD		COCONUT TREE	 FIRMEN CO., LTD. Surveying, Engineering, and Construction 117, NAY AUNG ROAD YANGON, MYANMAR
	BORE HOLE		OTHER TREE	
	SPOT ELEVATION		BAMBOO	<i>U Myo Nyunt</i> (Chief Surveyor) Date 6 / 04 / 2009
	FENCING		BENCH MARK	
	FOOTPATH		CONTOUR LINE	<i>U Nyunt Sein</i> (General Coordinator) Date 6 / 04 / 2009
	PADDY FIELD LIMIT			



LEGEND		JICA Study Team, School Cum Cyclone Shelter Project			
BUILDING ROAD SECONDARY ROAD BORE HOLE SPOT ELEVATION FENCING FOOTPATH PADDY FIELD LIMIT	POND DRAIN COCONUT TREE OTHER TREE BAMBOO BENCH MARK CONTOUR LINE	<p style="text-align: center;">Scale 1:1000</p> <p>Surveyed Date: March (7 to 25), 2009</p> <p>All units are in meter</p> <p>Contour Interval = 0.5 meter</p>		<p style="text-align: center;"><i>U Myo Nyunt</i> (Chief Surveyor) Date 6 / 04 / 2009</p>	<p style="text-align: center;"><i>U Nyunt Sein</i> (General Coordinator) Date 6 / 04 / 2009</p>