



# Technical Assistance Consultant's Report

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Project Number: 43309-013  
December 2016

## Cambodia: Provincial Roads Improvement Project (Financed by the Technical Assistance Special Fund)

Appendix G: Safety School Zone (SSZ)

Prepared by

Korea Consultants International, in Association with Dainichi, Sambo and Hankuk  
Engineering Consultants, in sub-Association with MECC, SBK, KACE and SAWAC  
Cambodia

For the Ministry of Public Works and Transport and the Asian Development Bank

This consultant's report does not necessarily reflect the views of ADB or the Government concerned, and ADB and the Government cannot be held liable for its contents. (For project preparatory technical assistance: All the views expressed herein may not be incorporated into the proposed project's design.

Asian Development Bank



**Ministry of Public Works  
and Transport**



**Asian Development bank**

**MINISTRY OF PUBLIC WORKS AND TRANSPORT  
KINGDOM OF CAMBODIA**

**ADB LoanNo.2839-CAM (SF) / ADB Loan No.8254-CAM**

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**APPENDIX G**

**SAFETY SCHOOL ZONE (SSZ)**

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**FEASIBILITY STUDY  
ON  
SECOND PROVINCIAL ROADS IMPROVEMENT PROJECT**

**December 2016**

**KCI KOREA CONSULTANTS INTERNATIONAL**

**in association with  
Dainichi, Sambo and  
Hankuk Engineering Consulta**

**in sub-consultancy with  
MECC, SBK, KACE and SAWAC**

## **APPENDIX G – SAFETY SCHOOL ZONE (SSZ)**

1. LIST OF SELECTED SCHOOL
2. SCHOOL DIMENSION AND CONTAINMENT AREA
3. TYPICAL INSTALLATION OF SAFETY SCHOOL ZONE

## **APPENDIX G**

### **1. LIST OF SELECTED SCHOOL**

Summary Characteristics of Schools along NR 1534, 23 and 312

No	Name of School	Kilometer post	Side	School categories	On main road	Number of Teachers	Number of Female teachers	Motorcycle usage - teachers	Total Students	Females	Motorcycle using students (%)	Bicycle using students (%)	Pedestrians (%)	Contact Person	Village's Name	Commune's Name	District's Name	Provinc's Name
<b>PR 1534 (Teuk Phos- Pursat)</b>																		
1	Kneang Primary School	27+100	R	Primary School	No	3	0	100	108	51	10	60	30	Tel: 092970419 Mr. Suy Keo	Damnak Ampil	Kdol Sen Chey	Tuek Phos	Kg. Chhnang
2	Kdol Primary School	33+860	R	Primary School	Yes	14	10	100	551	270	10	30	60	Tel: 012 872197 Mr. Nan Saren	Kdol	Kraing Skear	Tuek Phos	Kg. Chhnang
3	Damnakh Khlong Primary School	42+555	R	Primary School	No	5	0	100	237	117	10	80	10	Tel: 093876703 Ms. Chaney	Damnakh Khlong	Kraing Skear	Tuek Phos	Kg. Chhnang
4	Chheu Tom High School	45+790	L	High school	No	33	13	99	713	356	40	55	5	Tel: 017602821 Mul phun	Bamnakh	Chheu Tom	Krakor	Pursat
5	Chheu Tom Primary School	46+860	R	Primary School	Yes	21	8	10	1286	642		40	60	Tel: 092 602567 Mr. Lux	Kapas	Chheu Tom	Krakor	Pursat
6	Svay Sa Secondary School	52+975	R	Secondary School	Yes	7	3	100	188	99	15	55	30	Tel 012 537451 Mr. Mey Bunthou	Boeng Smok	Svay Sa	Krakor	Pursat
7	Svay Sa Primary School	55+760	L	Primary School	Yes	12	4	100	385	186	20	70	10	Tel: 095776774 Mr. Seng Rakmey	Kamraeng	Svay Sa	Krakor	Pursat
8	O Chan Primary School	60+140	R	Primary School	Yes	2	0	100	136	80		70	30	Tel: 092 724626 Tel: 723 400	O Chan	Svay Sa	Krakor	Pursat
9	Dambouk 100 Primary School	64+545	L	Primary School	Yes	2	1	100	92	46		30	70	Tel: 723 400 Mr. Vuthy	Dambouk 100	Tnaot Chum	Krakor	Pursat
10	Moly Thnal Bat Primary School	77+725	R	Primary School	Yes	7	3	100	151	73	3	90	7	Tel: 017 461697	Tuol Mkak	Roleap	Pursat	Pursat
<b>Total</b>						<b>106</b>	<b>42</b>		<b>3847</b>	<b>1920</b>								
<b>PR 23 (Koh Thom-Leuk Daek ( Kandal))</b>																		
1	Wat Chroy Primary School	8+760	L	Primary School	No	21	9	100	905	449	5	80	15	Mr. Pim Sros Tel: 012 480633	Purthi Mitt	Leuk Daek	Koh Thom	Kandal
2	Wat Chroy Secondary School	8+760	L	Secondary school	Yes	14	3	50	351	194		90	10	Mr. Kuy Se Tel: 015 594151	Purthi Mitt	Leuk Daek	Koh Thom	Kandal
3	Toul Sleng Primary School	11+370	L	Primary School	No	9	5	80	462	224		60	40	Mr. Thim Kim Tel: 012 549681	Tuol Sleng	Leuk Daek	Koh Thom	Kandal
<b>Total</b>						<b>44</b>	<b>17</b>		<b>1718</b>	<b>867</b>								
<b>PR 312 (NR 1 to Banteay Chakrei (Prey Veng))</b>																		
1	Takok High School	00+125	R	High school	Yes	69	25	100	1667	949	45	40	5	Ain sophal Tel:096 2003436	Samraong	Lvea	Preah Sdach	Prey Veng
2	Seila Odum Primay School	2+680	L	Primary School	Yes	9	4	45	235	117	10	40	50	Mr. Chea Phun Tel: 016 98 8626	Peani	Lvea	Preah Sdach	Prey Veng
3	Chang Nang primary school	5+185	L	Primary School	No	9	4	90	256	141	10	50	40	Mr. Keo Sovanna Tel: 096 5896316	Purthi	Chey Kampok	Preah Sdach	Prey Veng
4	Wat Kandal Primary School	7+720	R	Primary School	Yes	9	5	100	505	212	40	30	30	Tel: 0969044606	Loengk	Angkor Reach	Preah Sdach	Prey Veng
5	Khmer - Japan friendship High school	9+000	L	High school	Yes	47	12	100	1453	720	85	10	5	Tel: 093280567	Angkor Reach	Angkor Reach	Preah Sdach	Prey Veng
6	Bramol Prum high School	10+665	L	High school	Yes	43	16	90	1299	565	50	40	10	Mr. Phun Tel: 015 548846	Krasang Tong	Angkor Reach	Preah Sdach	Prey Veng
7	Purthi Tatan Primary School	12+470	R	Primary School	Yes	12	7	100	436	247	10	80	10	Mr. Sok Rouen Tel: 087 272093	Prey A Staing	Angkor Reach	Preah Sdach	Prey Veng
8	Brabos Roluoy Primary School	17+700	L	Primary School	Yes	14	7	100	693	341	20	70	10	Mr. Sann Veansna tel: 0979078642	Prabos Roluoy	Banteay Chakrei	Preah Sdach	Prey Veng
9	Banteay Chakrei Secondary School	19+370	R	Secondary school	Yes	13	0	100	476	243	80	10	10	Tel: 015650191	Boeng Kampot	Banteay Chakrei	Preah Sdach	Prey Veng
10	Sampoung Primary School	23+045	R	Primary School	Yes	10	5	90	466	235	10	60	30	Mr. Rouen Kosal Tel: 015666334	Sampoung	Banteay Chakrei	Preah Sdach	Prey Veng
11	Brah Sva primary School	25+900	L	Primary School	Yes	5	1	100	392	197	30	40	30	Tel: 0969040409	Praoh Sva	Banteay Chakrei	Preah Sdach	Prey Veng
<b>Total</b>						<b>240</b>	<b>86</b>		<b>7878</b>	<b>3967</b>								
Sub	<b>24</b>					<b>390</b>	<b>145</b>		<b>13,443</b>	<b>6,754</b>								

Note: Percentage of motorbike users including the passenger who is the primary school student

## **APPENDIX G**

### **2. SCHOOL DIMENSION AND CONTAINMENT AREA**

## School Profiles and Student Containment Areas ( PR 1534, Kg. Chhnang- Pursat Province)

No 01. Khneang Primary school data information

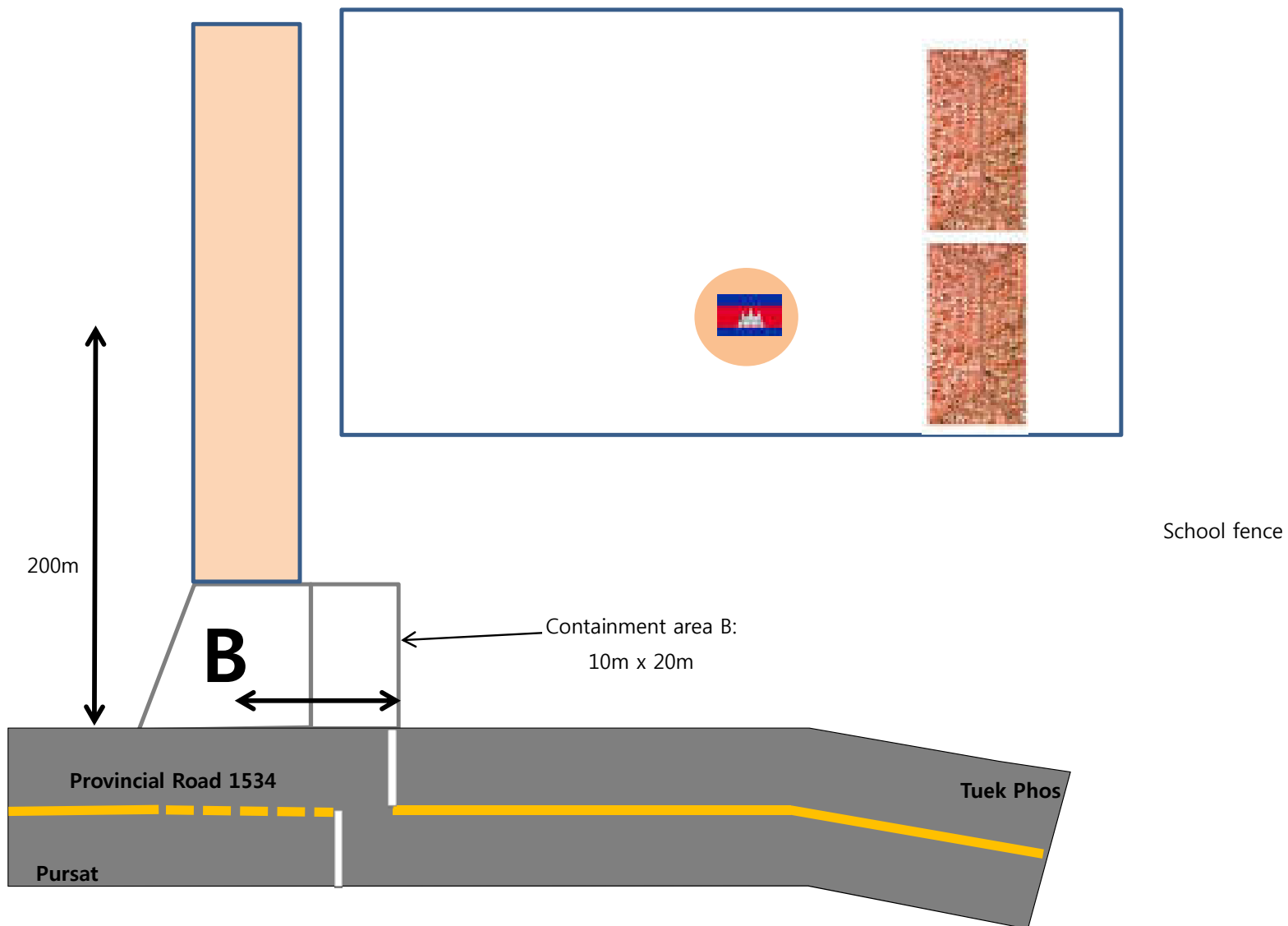
School Name	Khneang Primary School		
Category	Primary School	On main road: No	225m
Number of Students	108	M	57
		F	51
Number of Teachers	3	M	3
		F	0
Pro: Kg. Chhnang	Dis: Tuek Phos	Com: Kdol Senchey	Vil: Damnak Ampil
PK	27+100	Side: Right	
Address	Damnak Ampil Village		
Tel	092 970 419		

No 01. School entrance image





No 01. School containment area



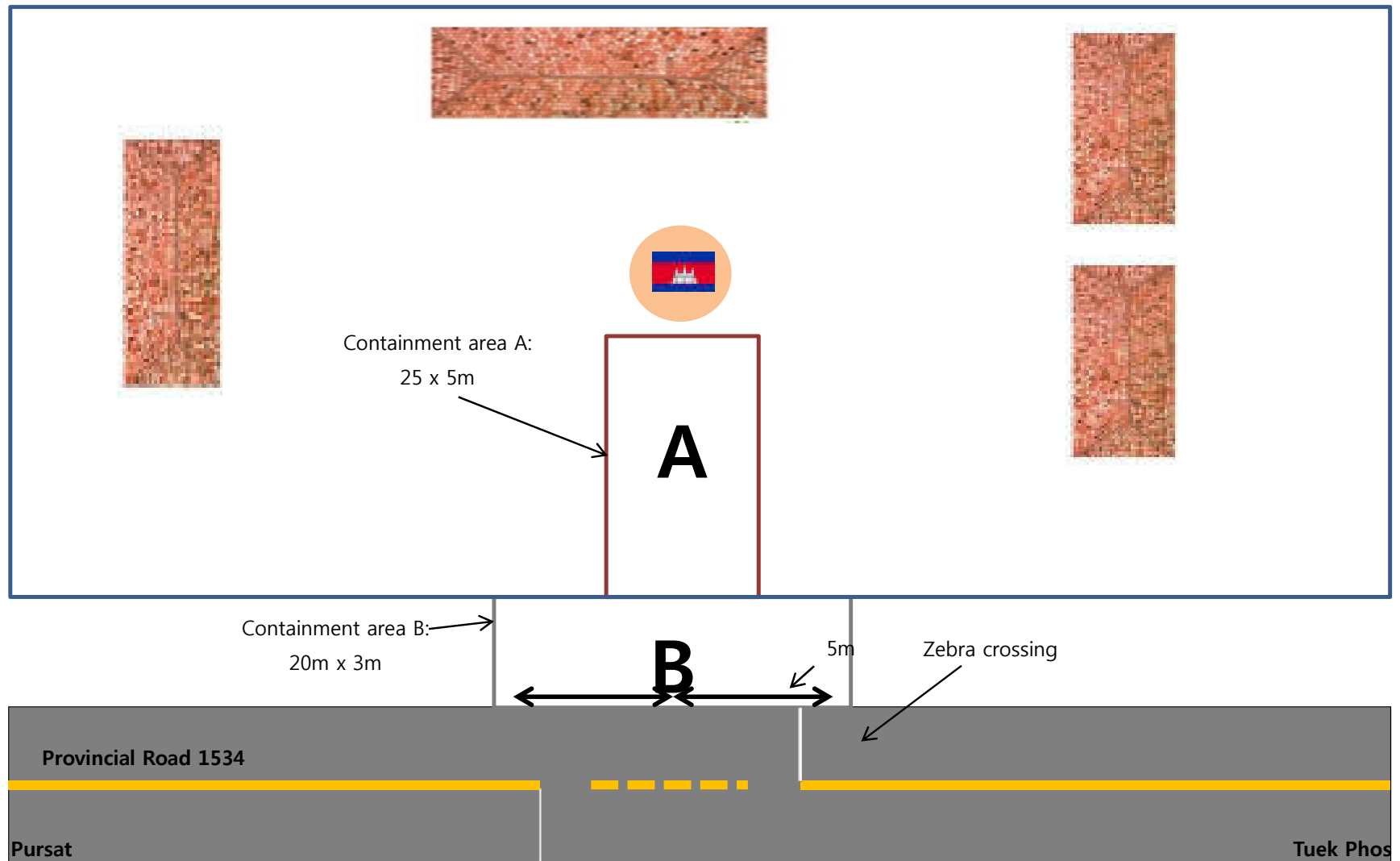
No 02. Kdol Primary school data information

School Name	Kdol Primary School		
Category	Primary School	On main road: Yes	
Number of Students	551	M	281
		F	270
Number of Teachers	14	M	4
		F	10
Pro: Kg. Chhnang	Dis: Teuk Phos	Com: Kraing Skear	Vil: Kdol
PK	33+860	Side: Right	
Address	Kdol Village		
Tel	012 872 197		

No 02. School entrance image



## No 02. School containment area



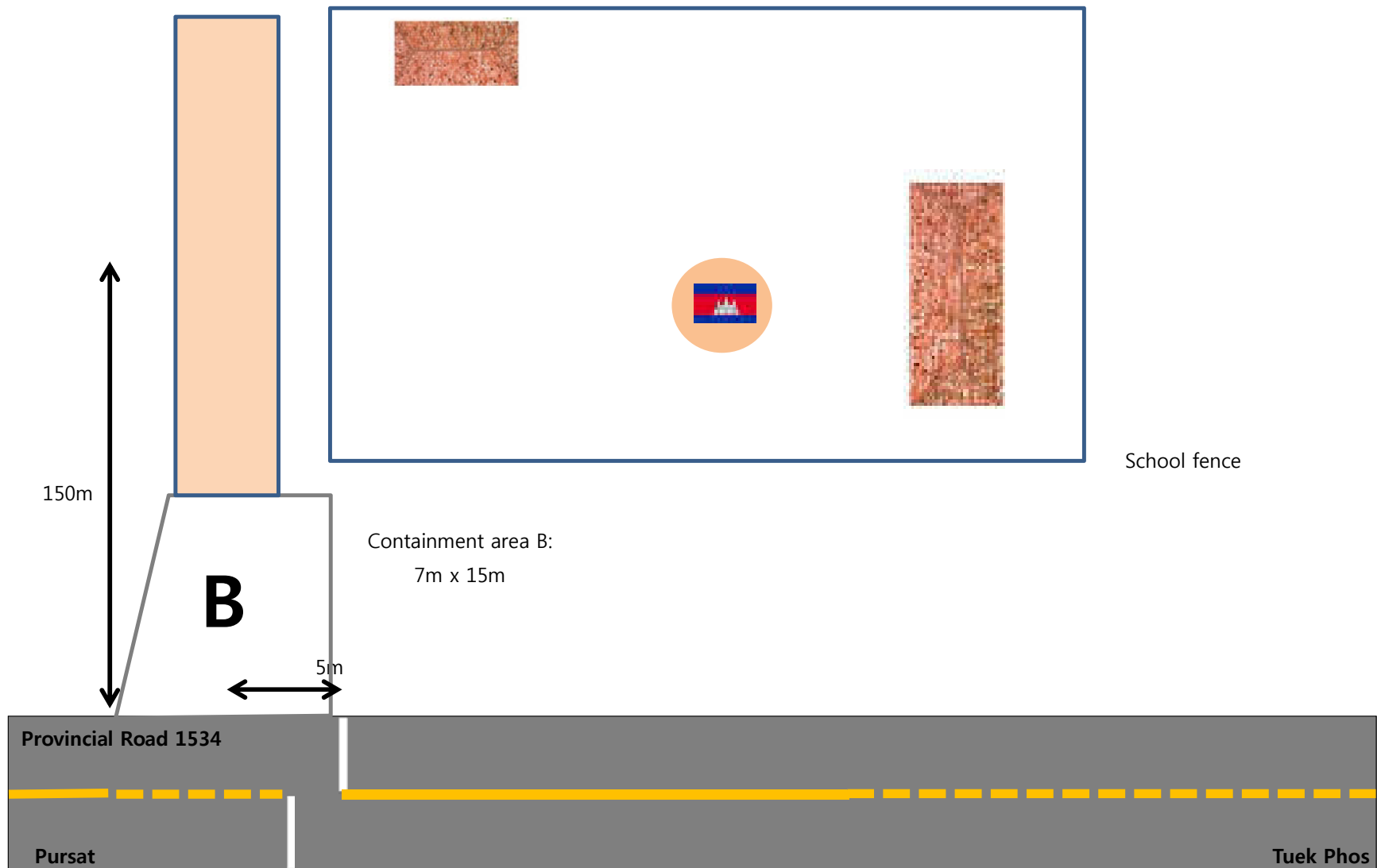
No 03. Damnak Khlong Primary school data information

School Name	Damnak Khlong Primary School		
Category	Primary School	On main road: No	150m
Number of Students	237	M	281
		F	270
Number of Teachers	5	M	5
		F	0
Pro: Kg. Chhnang	Dis: Tuek Phos	Com: Kraing Skear	Vil: Damnak Khlong
PK	42+555	Side: Right	
Address	Damnak Khlong Village		
Tel	093 876703		

No 03. School entrance image



No 03. School containment area

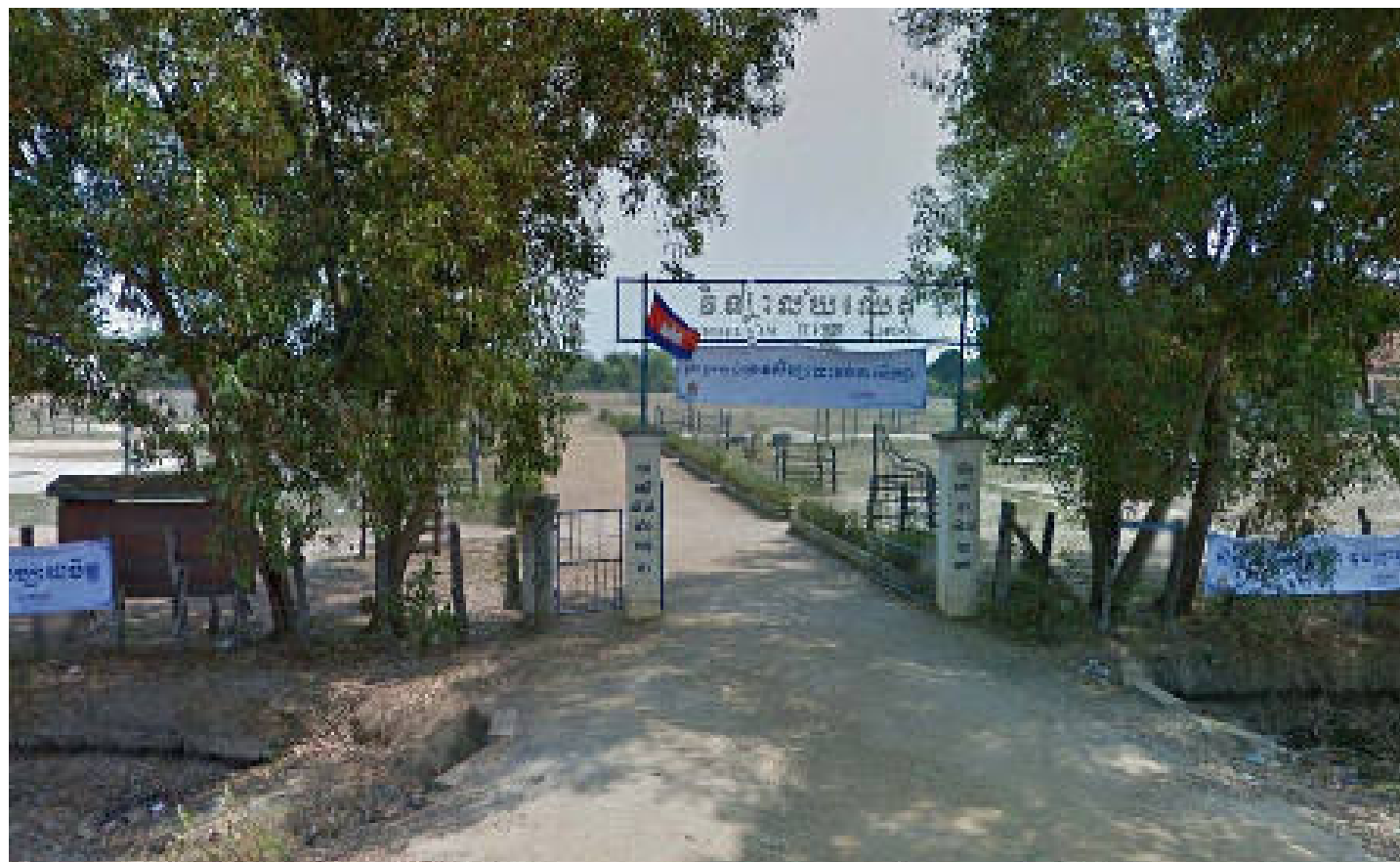


#### No 04. Chheu Tom High school data information

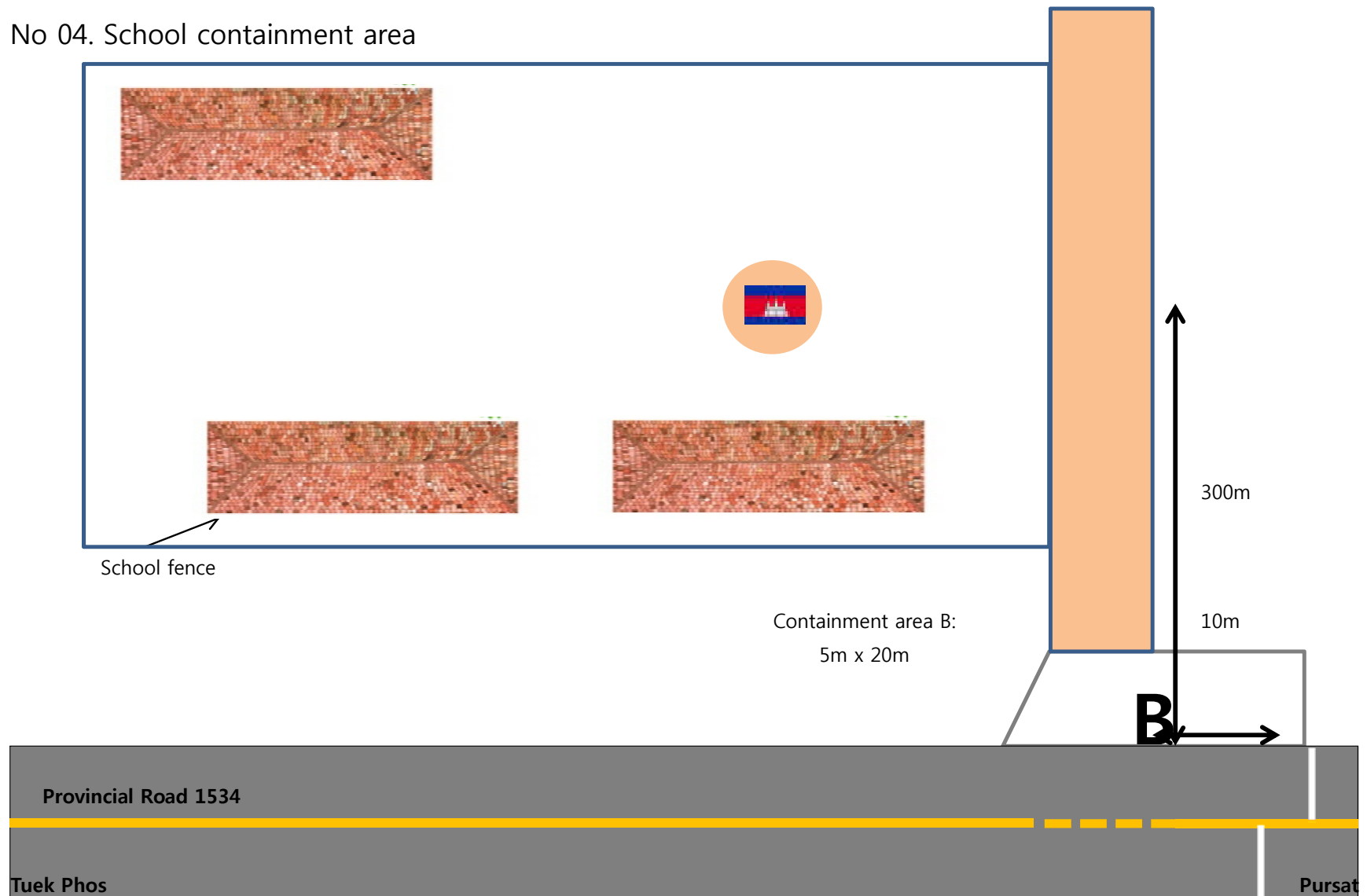
School Name	Chheu Tom High School		
Category	High School	On main road: No	285m
Number of Students	713	M	357
		F	356
Number of Teachers	33	M	5
		F	0
Pro: Pursat	Dis: Krakor	Com: Chheu Tom	Vil: Bamnak
PK	45+790	Side: Left	
Address	Bamnak Village		
Tel	017 602 821		



No 04. School entrance image



No 04. School containment area



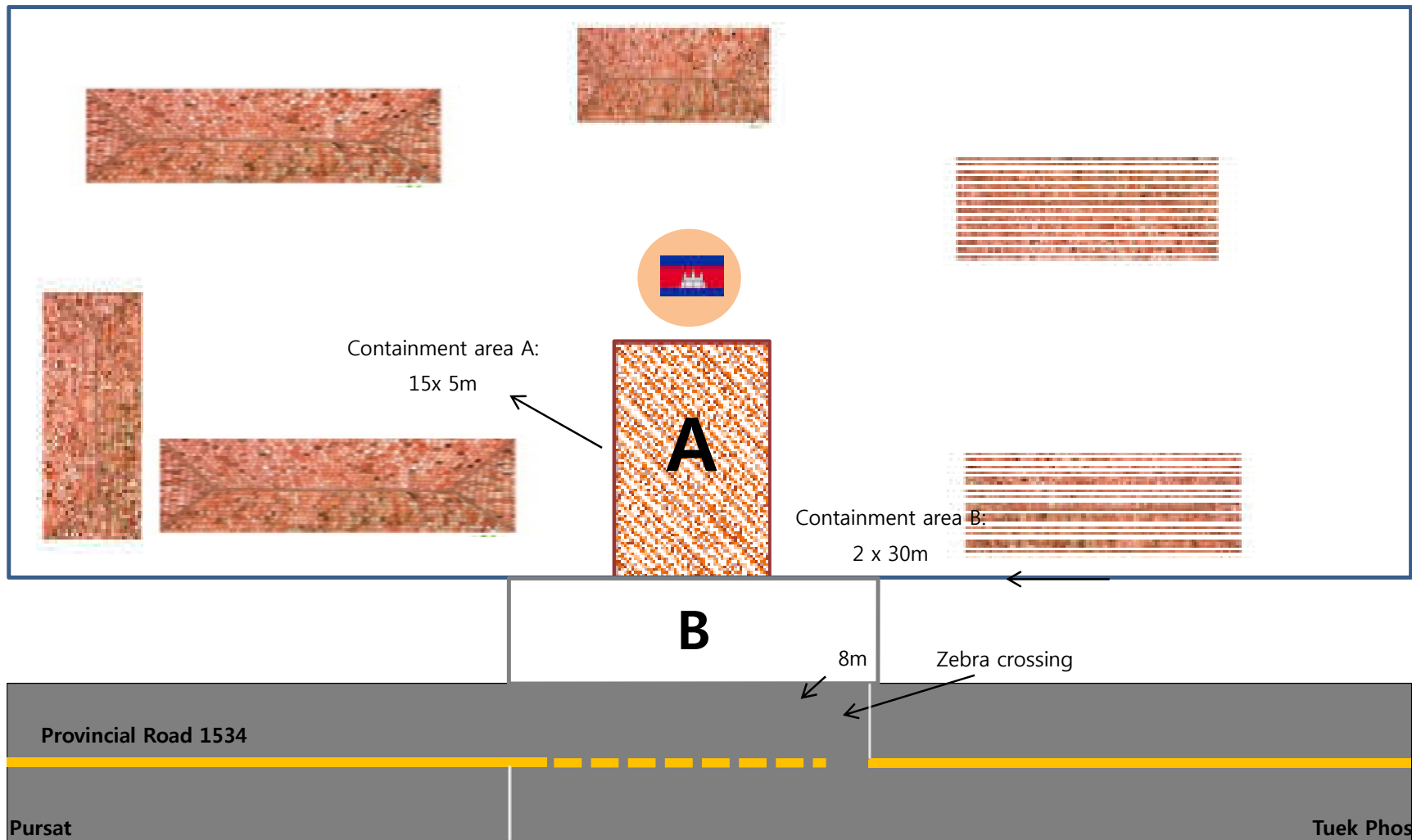
## No 05. Chheu Tom Primary school data information

School Name	Chheu Tom Primary School		
Category	Primary School		On main road: Yes
Number of Students	1286	M	646
		F	642
Number of Teachers	21	M	13
		F	8
Pro: Pursat	Dis: Krakor		Com: Chheu Tom Vil: Kapas
PK	46+860		Side: Right
Address	Kapas Village		
Tel	092 602 567		

No 05. School entrance image



## No 05. School containment area



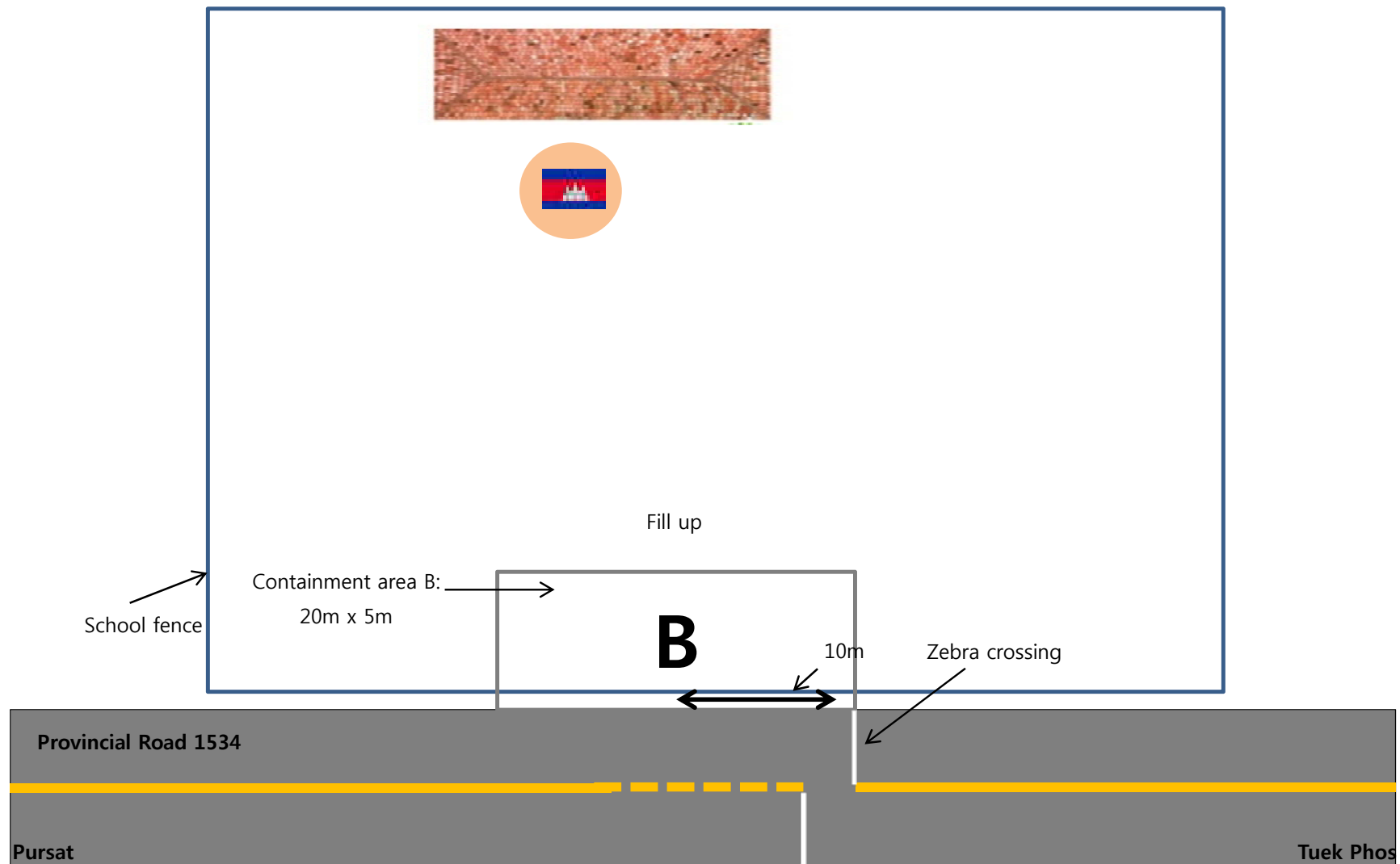
No 06. Svay Sa Secondary school data information

School Name	Svay Sa Secondary School		
Category	Secondary School		On main road:Yes
Number of Students	188	M	89
		F	99
Number of Teachers	7	M	4
		F	3
Pro: Pursat	Dis: Krakor		Com: Svay Sa Vil: Boeng Smok
PK	52+975		Side: Right
Address	Boeng Smok Village		
Tel	012 537 451		

No 06. School entrance image



No 06. School containment area





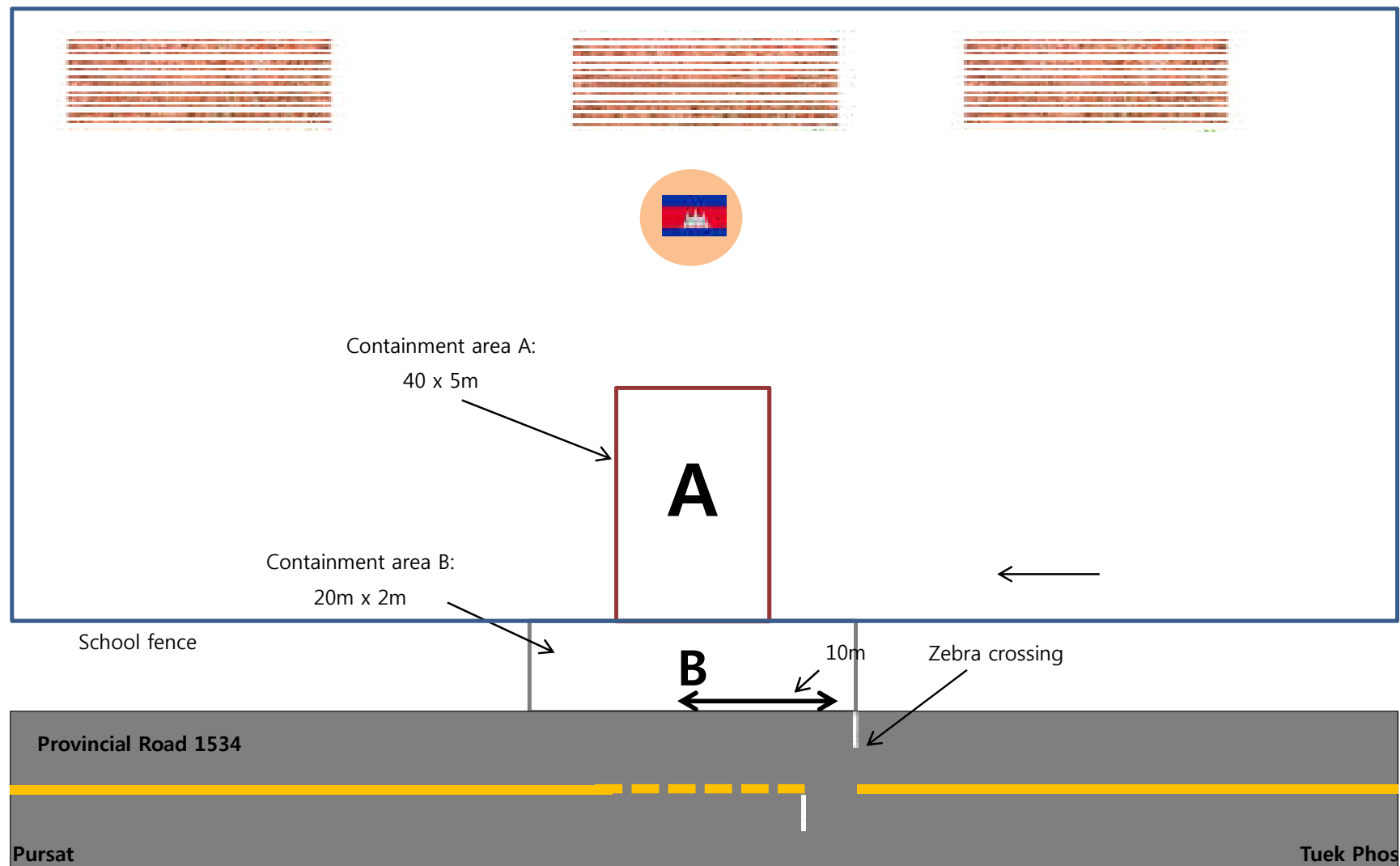
No 07. Svay Sa Primary school data information

School Name	Svay Sa Primary School		
Category	Primary School		On main road: Yes
Number of Students	385	M	199
		F	186
Number of Teachers	12	M	8
		F	4
Pro: Pursat	Dis: Krakor		Com: Svay sa Vil: Kamraeng
PK	55+760		Side: Left
Address	Kamraeng Village		
Tel	095 776 774		

No 07. School entrance image



## No 07. School containment area



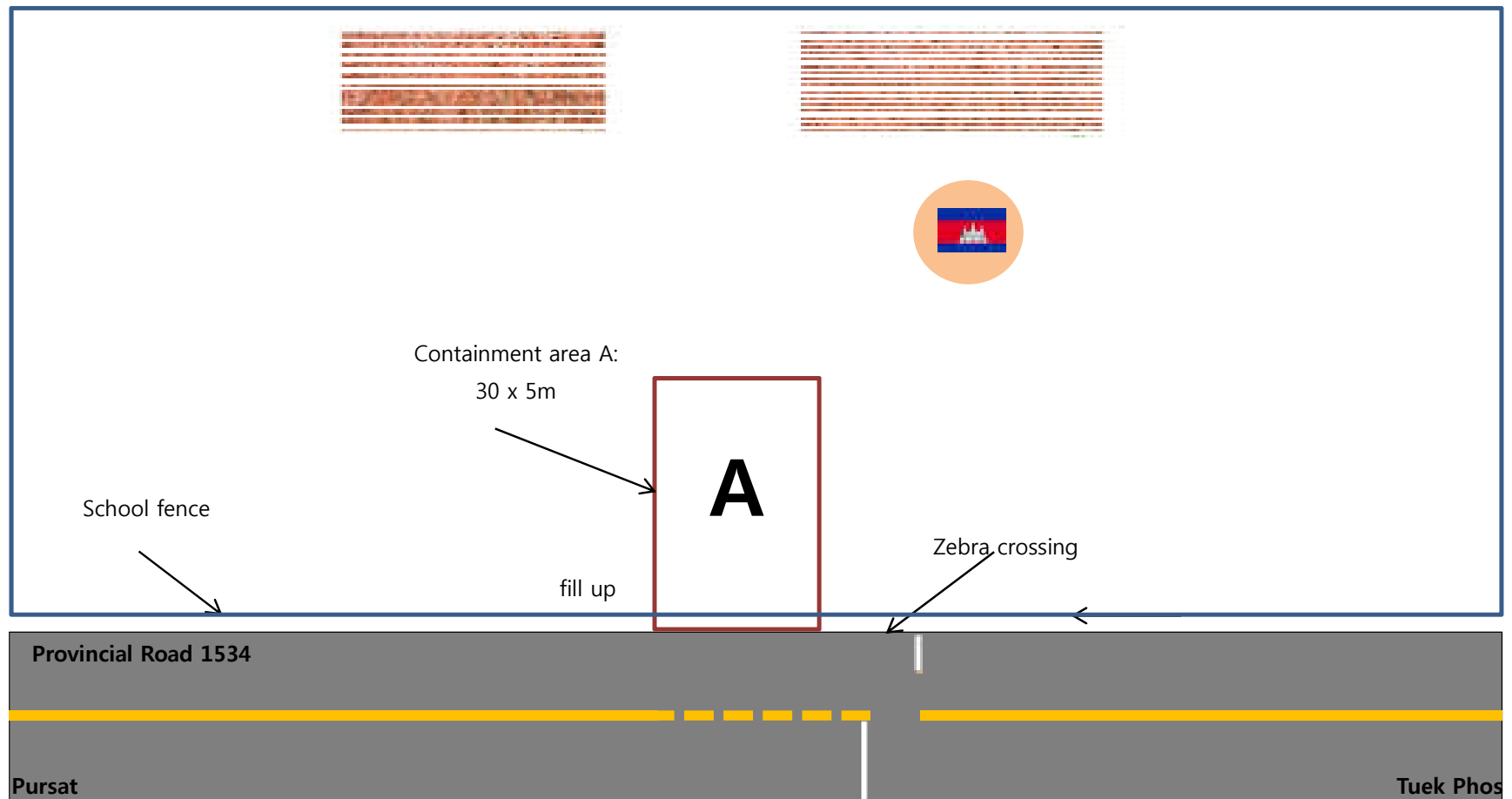
No 08. O Chan Primary school data information

School Name	O Chan Primary School		
Category	Primary School		On main road: Yes
Number of Students	131	M	73
		F	58
Number of Teachers	2	M	2
		F	0
Pro: Pursat	Dis: Krakor		Com: Svay Sa Vil: O Chan
PK	60+140		Side: Right
Address	O Chan Village		
Tel	092 724 667		

No 08. School entrance image



## No 08. School containment area



No 09. Dambouk 100 Primary school data information

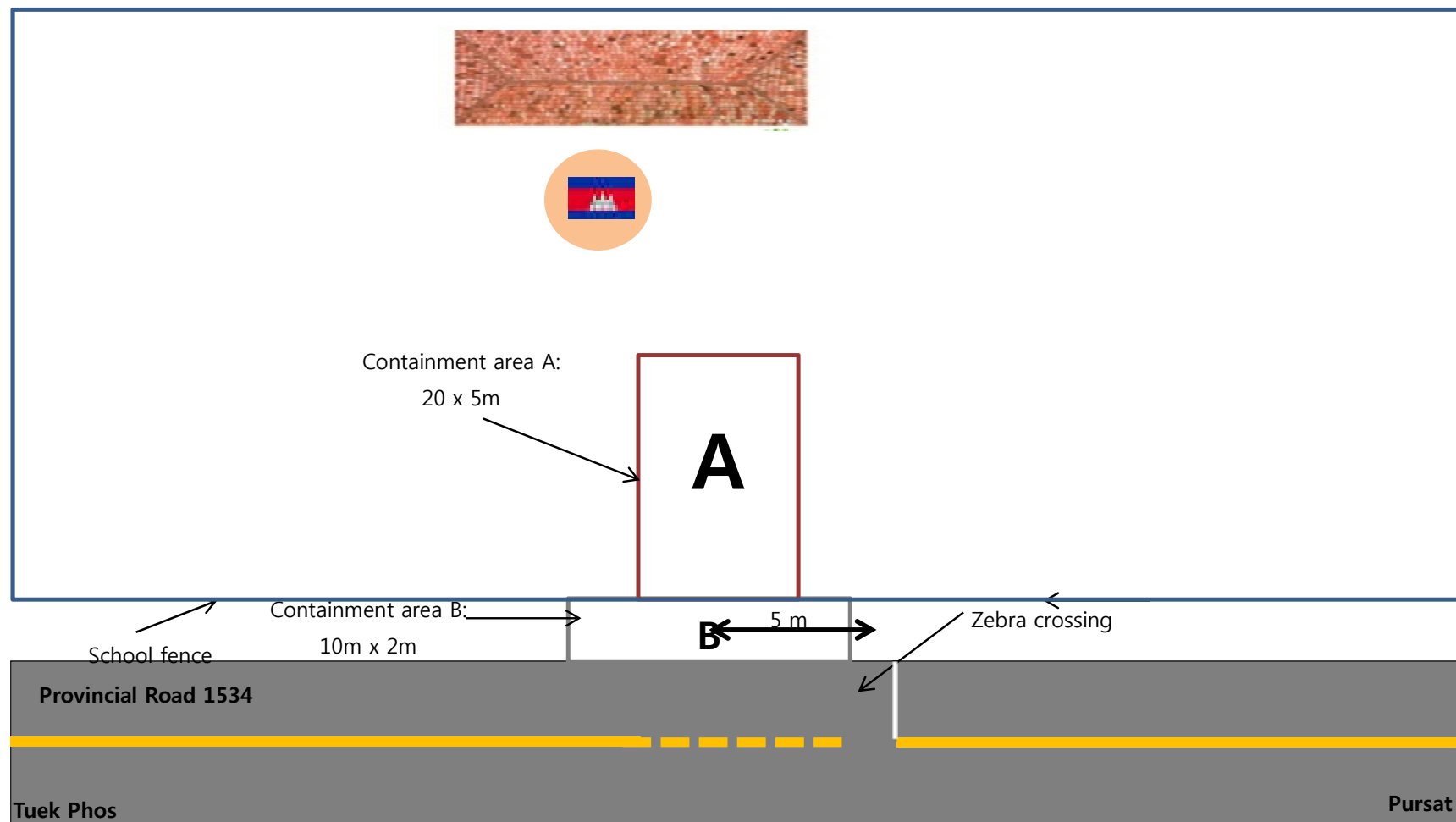
School Name	Dambouk 100 Primary School		
Category	Primary School	On main road: Yes	
Number of Students	92	M	46
		F	46
Number of Teachers	2	M	1
		F	1
Pro: Pursat	Dis: Krakor	Com: Thnaot Chum	Vil: Dambouk 100
PK	64+545	Side: left	
Address	Thnoat Chum		
Tel	086 723 400		

No 09. School entrance image





## No 09. School containment area



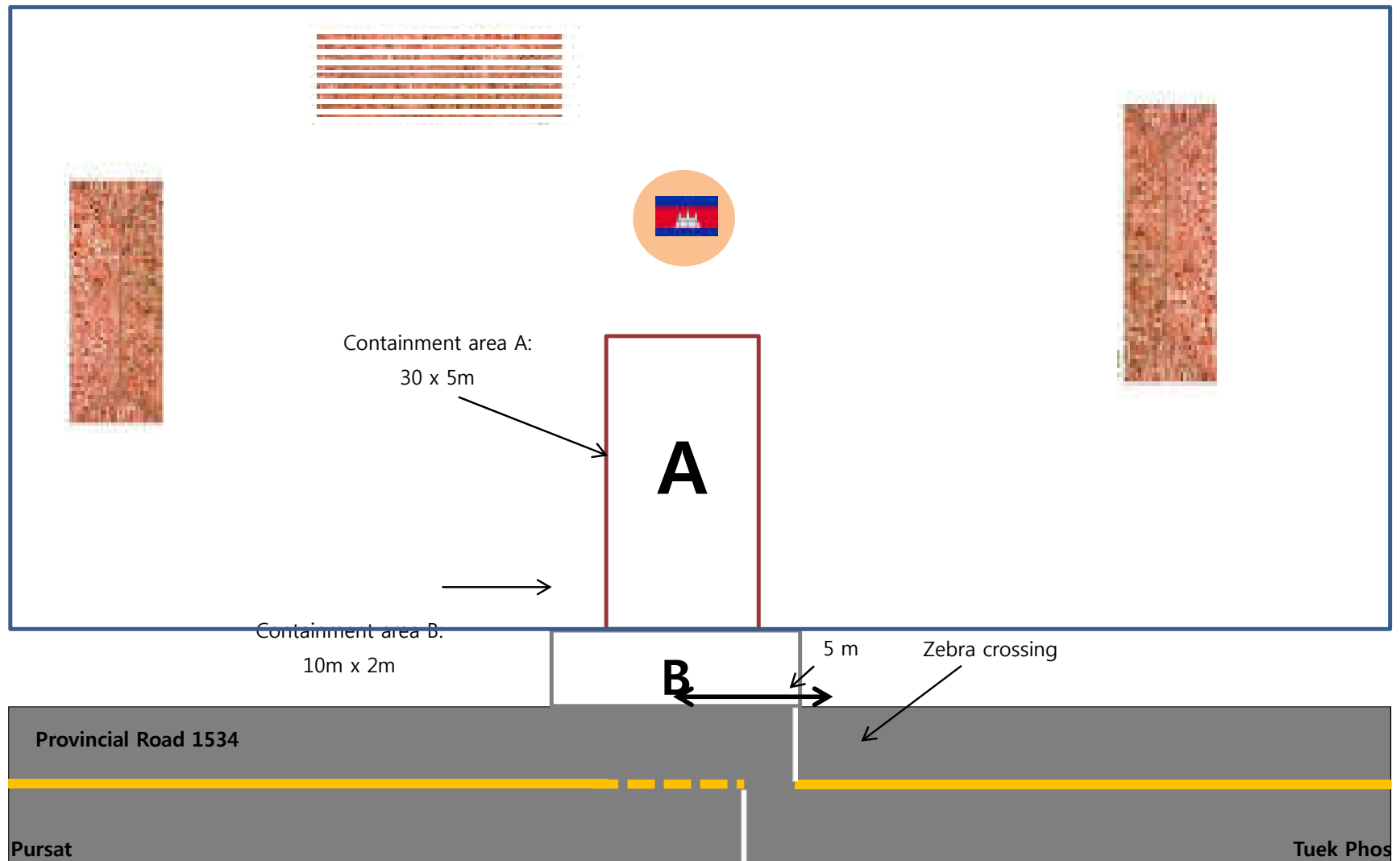
No 10. Moly Thnal Bat Primary school data information

School Name	Moly Thnal Bat Primary School		
Category	Primary School		On main road: Yes
Number of Students	151	M	78
		F	73
Number of Teachers	7	M	4
		F	3
City: Pursat	Khan: Pursat		Sangkat: Roleap
			Vil: Tuol Mkak
PK	77+725		Side: Right
Address	Tuol Mkak Village		
Tel	017 461 697		

No 10. School entrance image



## No 10. School containment area



## School Profiles and Student Containment Areas (PR. 23, Kandal Province)

No 01.1. Wat Chroy primary school data information

<b>School Name</b>	Wat Chroy Primary School		
<b>Category</b>	Primary School	On main road: Yes	
<b>Number of Students</b>	905	M	450
		F	449
<b>Number of Teachers</b>	21	M	12
		F	9
<b>Province : Kandal</b>	District: Koh Thom	Commune: Leuk Daek	Village: Pouthi Mith
<b>PK</b>	8+760		
<b>Address</b>	Pouthi Mitt village		
<b>Tel</b>	012 480 633		

## No 01.2. Wat Chroy Secondary School data information

<b>School Name</b>	Wat Chroy Secondary school		
<b>Category</b>	Secondary School	On main road: Yes	
<b>Number of Student</b>	351	M	157
		F	194
<b>Number of Teacher</b>	14	M	11
		F	3
<b>Pro:</b> Kandal	District: Koh Thom	Com: Leuk Daek	Vil: Pouthi Mitt
<b>PK</b>	8+760		
<b>Address</b>	Pouthi Mitt village		
<b>Tel</b>	015 594 151		

No 01.1. School entrance image

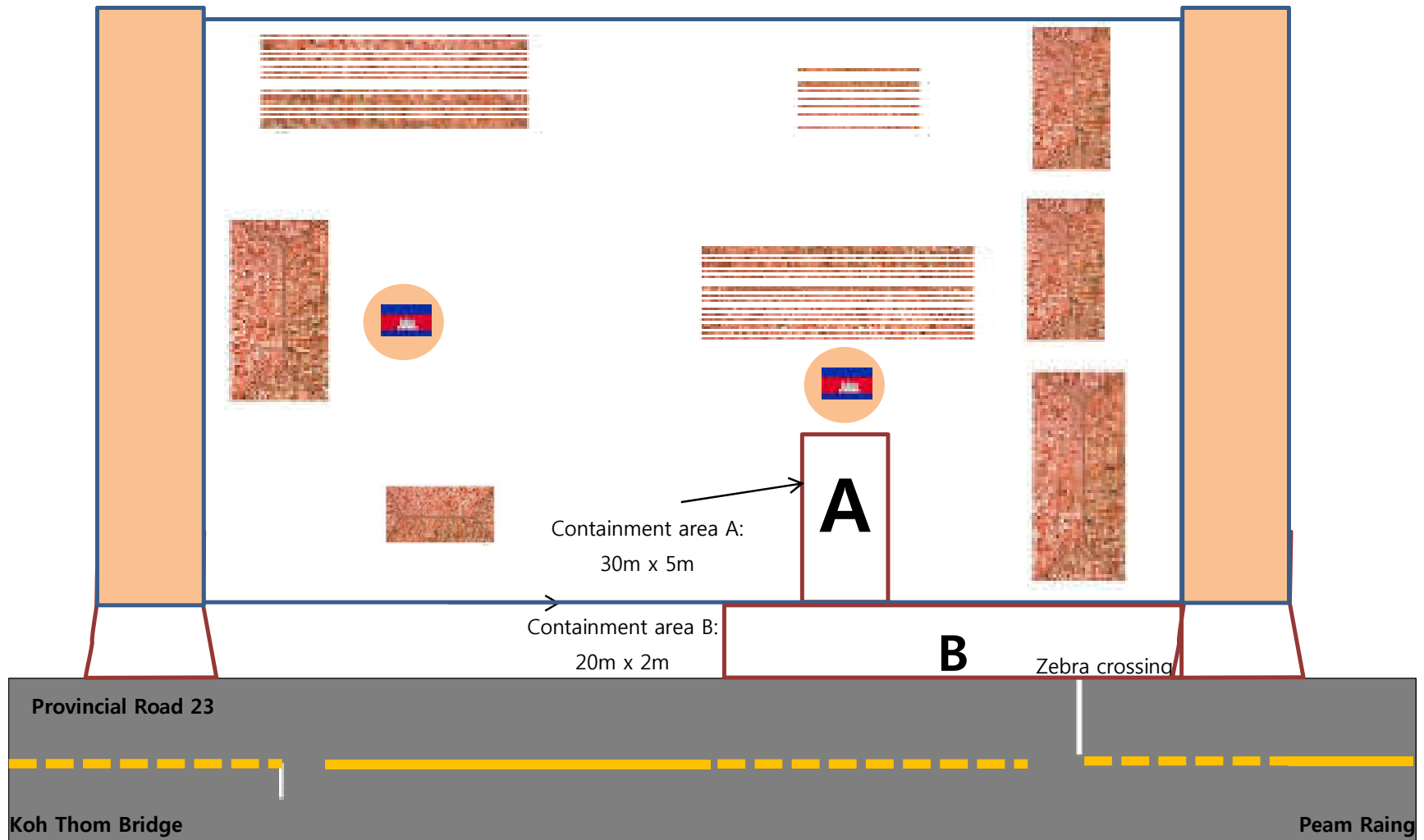


No 01.2. School entrance image





No 01. School containment area ( Wat Chroy)



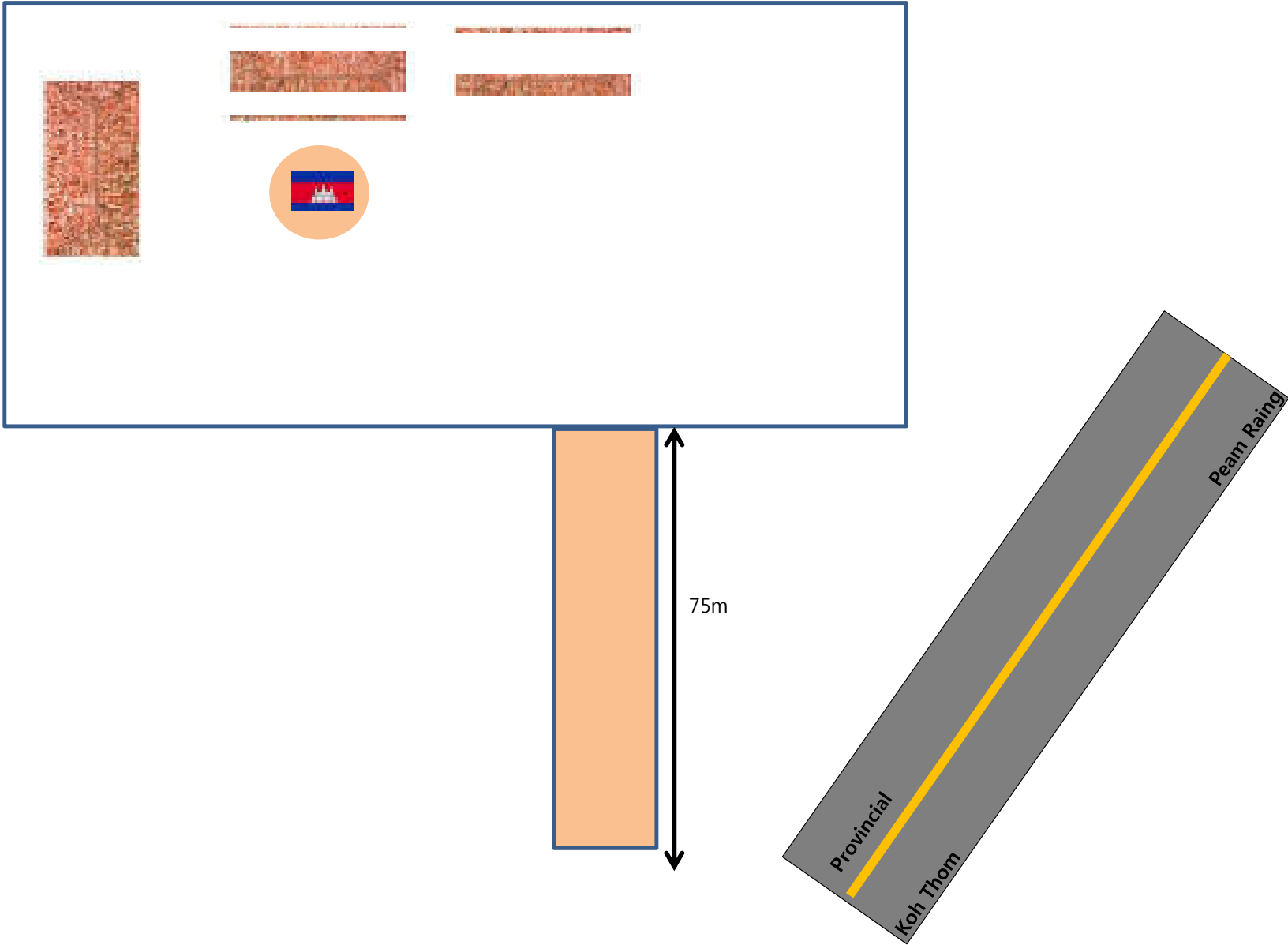
## No 02. Toul Sleng primary school data information

<b>School Name</b>	Toul Sleng Primary School		
<b>Category</b>	Primary School	On main road: No	75m
<b>Number of Student</b>	462	M	238
		F	224
<b>Number of Teacher</b>	9	M	4
		F	5
<b>Province:</b> Kandal	District: Koh Thom	Commune: Leuk Daek	Village: Tuol Sleng
<b>PK</b>	11+370		
<b>Address</b>	Tuol Sleng Village		
<b>Tel</b>	012 549 681		

No 02. School entrance image



No 02. School containment area



## School Profiles and Student Containment Areas (PR 312, Prey Veng Province)

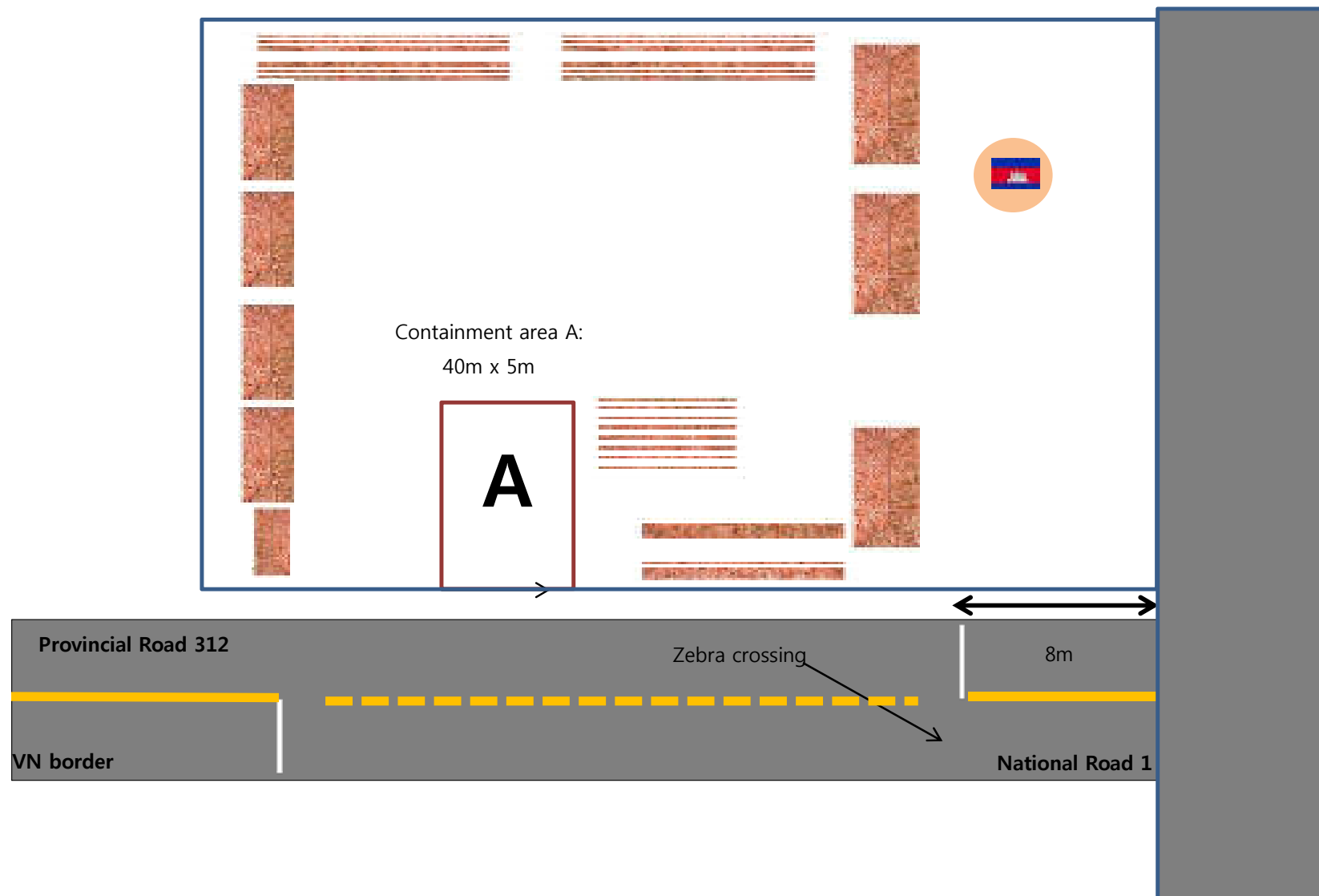
No 01. Takok High school data information

School Name	Takok High School		
Category	High School	On main road: Yes	
Number of Students	1667	M	718
		F	949
Number of Teachers	69	M	44
		F	25
Province : Prey Veng	District: Preah Sdach	Commune: Lvea	Vil: Samroang
PK	00+125	Side: Right	
Address	Samroang Village		
Tel	012 535 239		

No 01. School entrance image



No 01. School containment area



## No 02. School data information

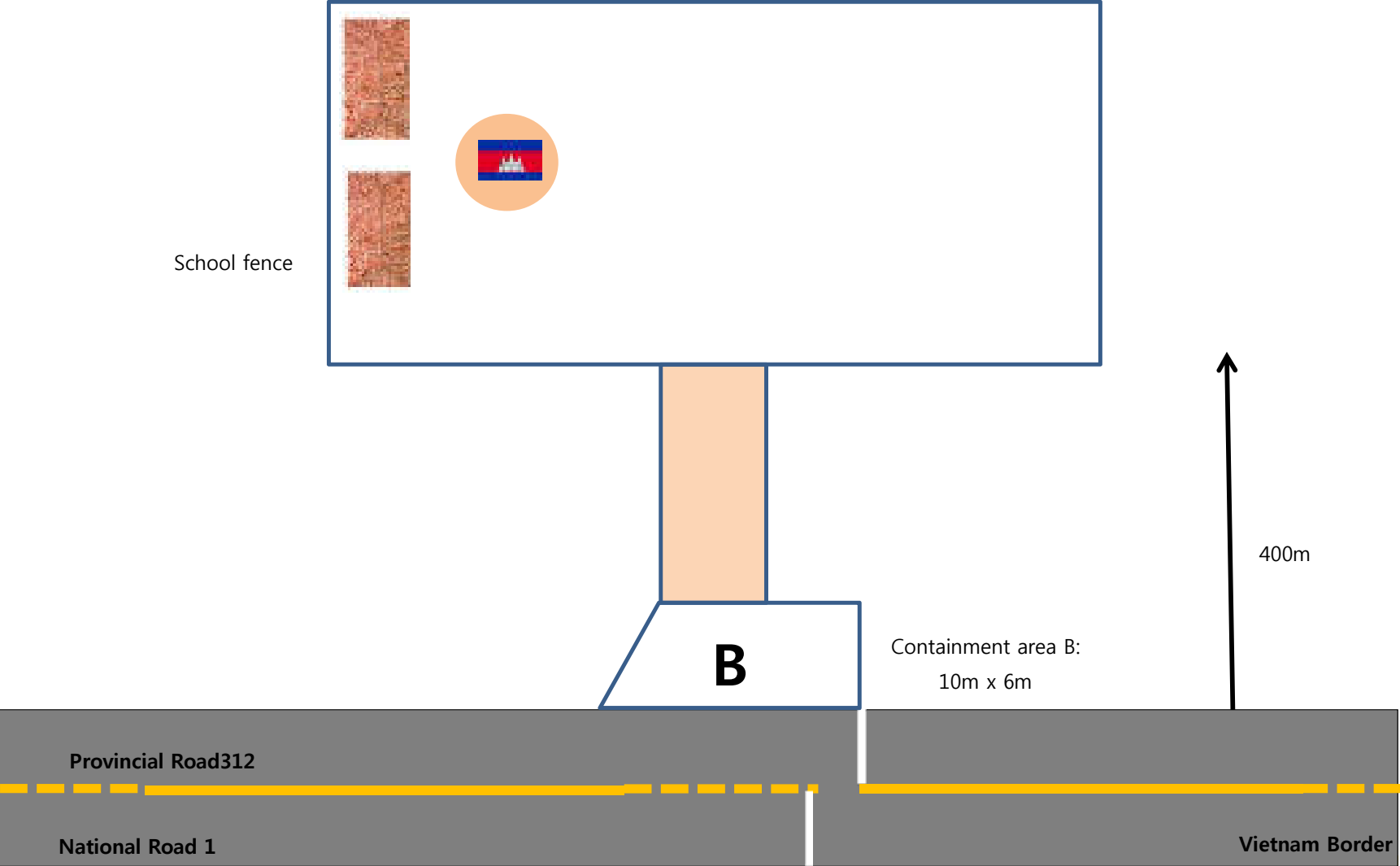
School Name	Seila Odom Primary School		
Category	Primary School	On main road: Yes	400m
Number of Students	235	M	123
		F	117
Number of Teachers	9	M	5
		F	4
Province: Prey Veng	Dis: Preah Sdach	Com: Lvea	Vill: Peani
PK	2+680	Side Left	
Address	Peani village		
Tel	016 988 626		



No 02. School entrance image



No 02. School containment area



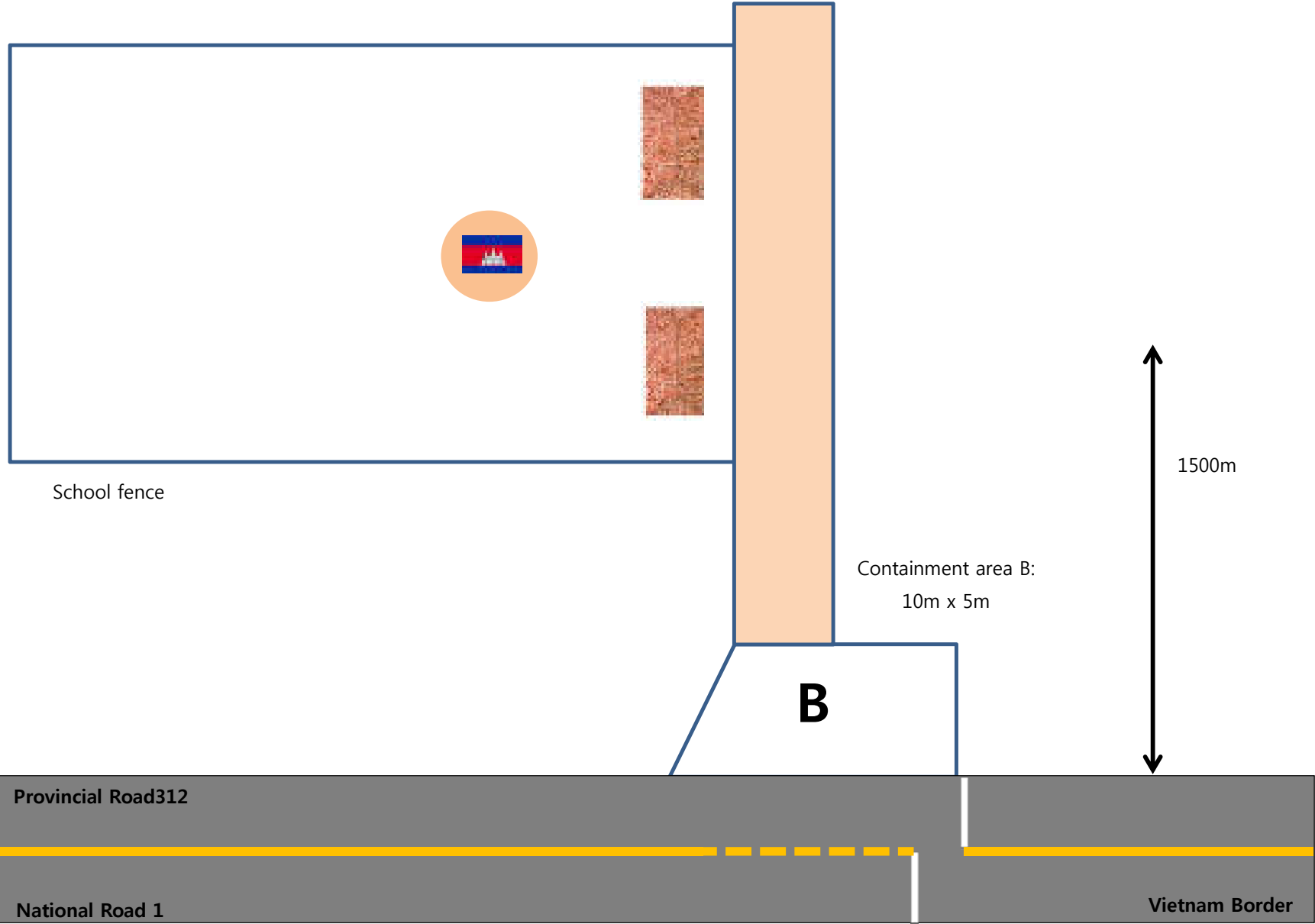
### No 03. School data information

School Name	Chang Nang Primary School		
Category	Primary School	On main road: No	1500m
Number of Students	256	M	115
		F	141
Number of Teachers	9	M	5
		F	4
Pro: Prey Veng	Dis: Preah Sdach	Comm: Chey Kampok	Vil: Purthi
PK	5+185	Side: Left	
Address	Purthi Village		
Tel	096 589 631 6		

No 03. School entrance image



No 03. School containment area



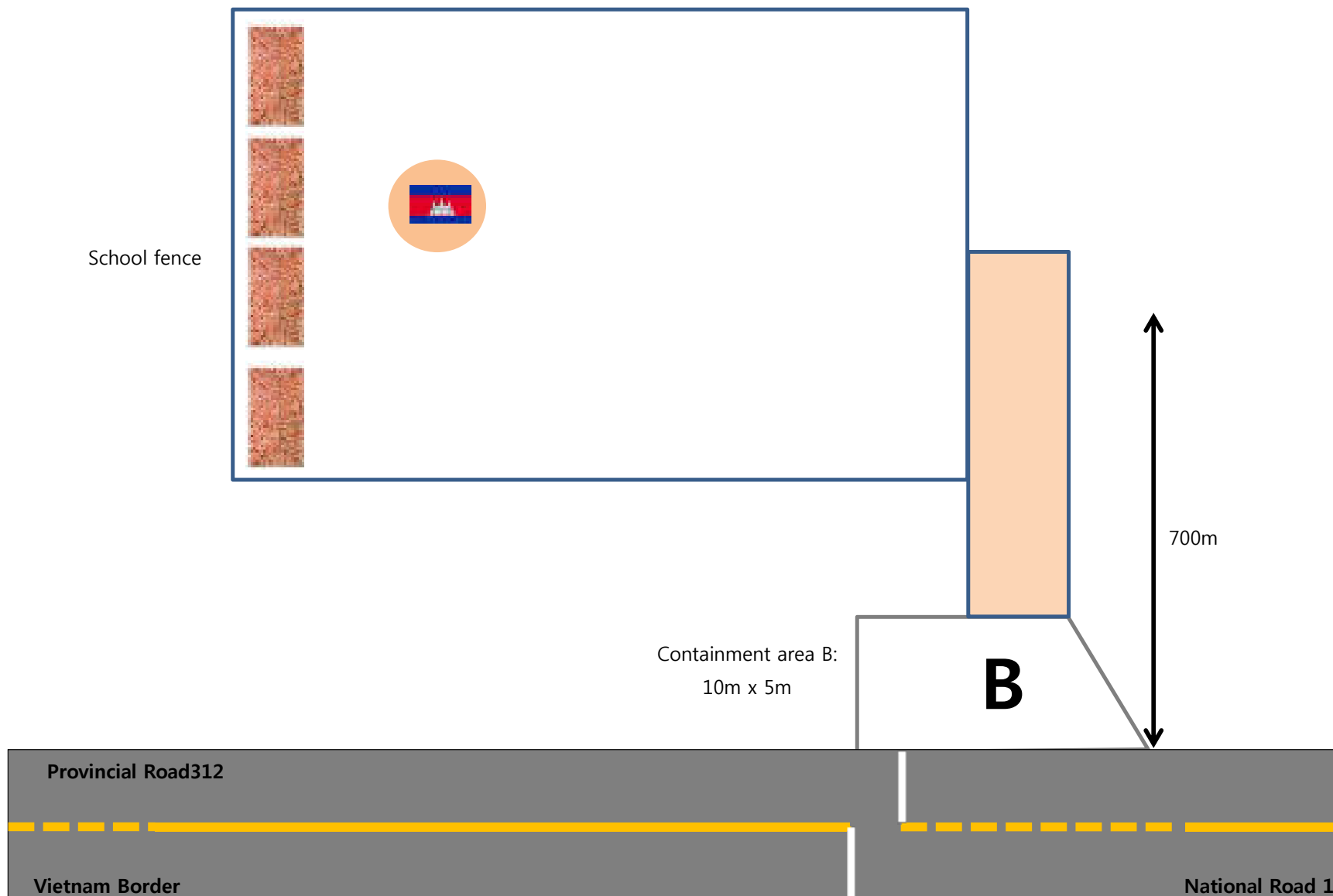
No 04. Wat Kandal Primary school data information

School Name	Wat Kandal Primary School		
Category	Primary School	On main road: Yes	700
Number of Students	505	M	293
		F	212
Number of Teachers	9	M	4
		F	5
Pro: Prey Veng	Dis: Preah Sdach	Com: Angkor Reach	Vil: Loengk
PK	7+720	Side: Right	
Address	Loengk Village		
Tel	096 904 460 6		

No 04: School entrance image



No 04. School containment area





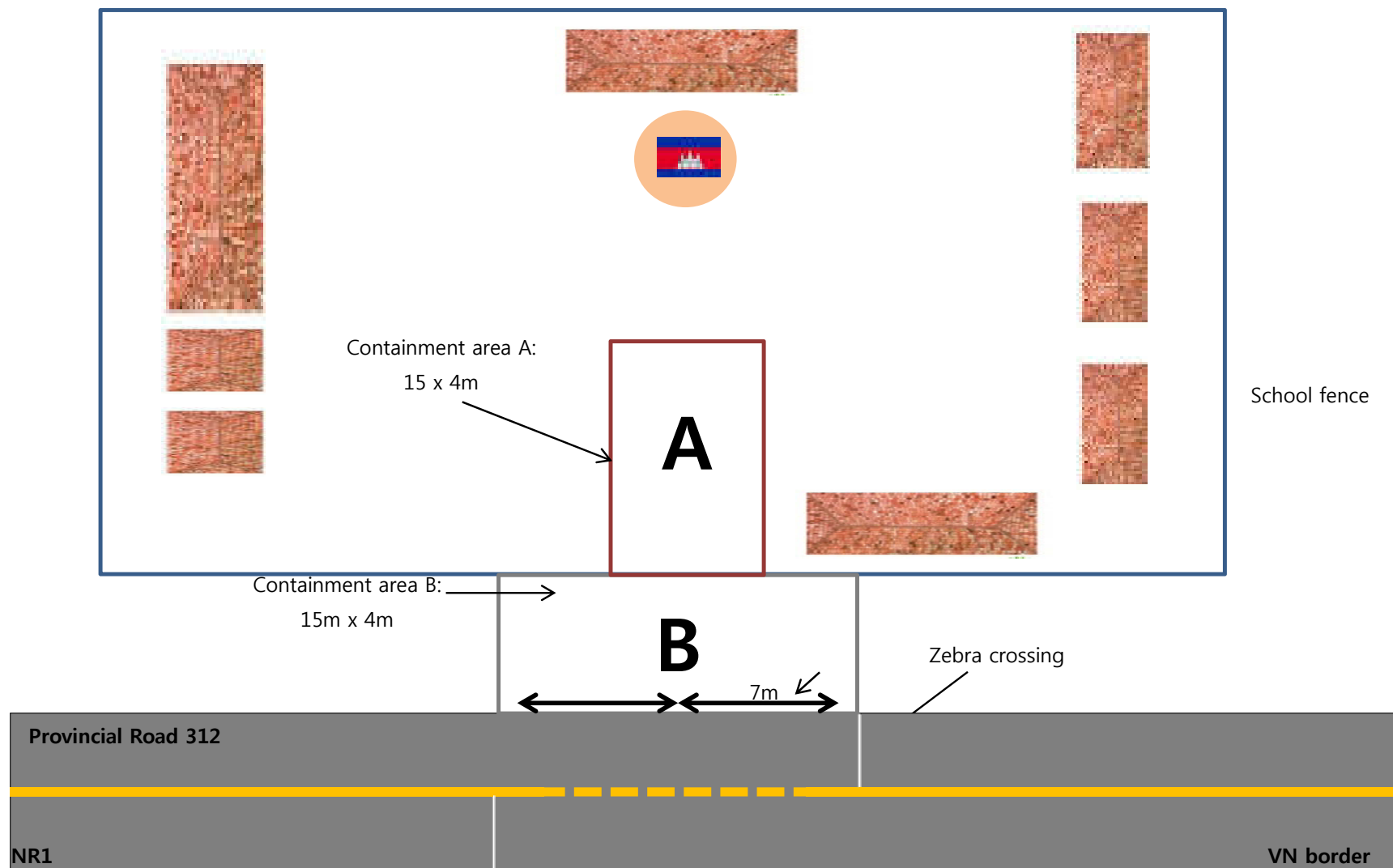
No 05. Khmer-Japan Friendship school data information

School Name	Khmer-Japan Friendship High School		
Category	High School	On main road: Yes	
Number of Students	1453	M	733
		F	720
Number of Teachers	47	M	35
		F	12
Pro: Prey Veng	Dis: Preah Sdach	Com: Angkor Reach	Vil: Angkor Reach
PK	9+000	Side: Left	
Address	Angkor Reach Village		
Tel	093 280 567		

No 05. School entrance image



No 05. School containment area



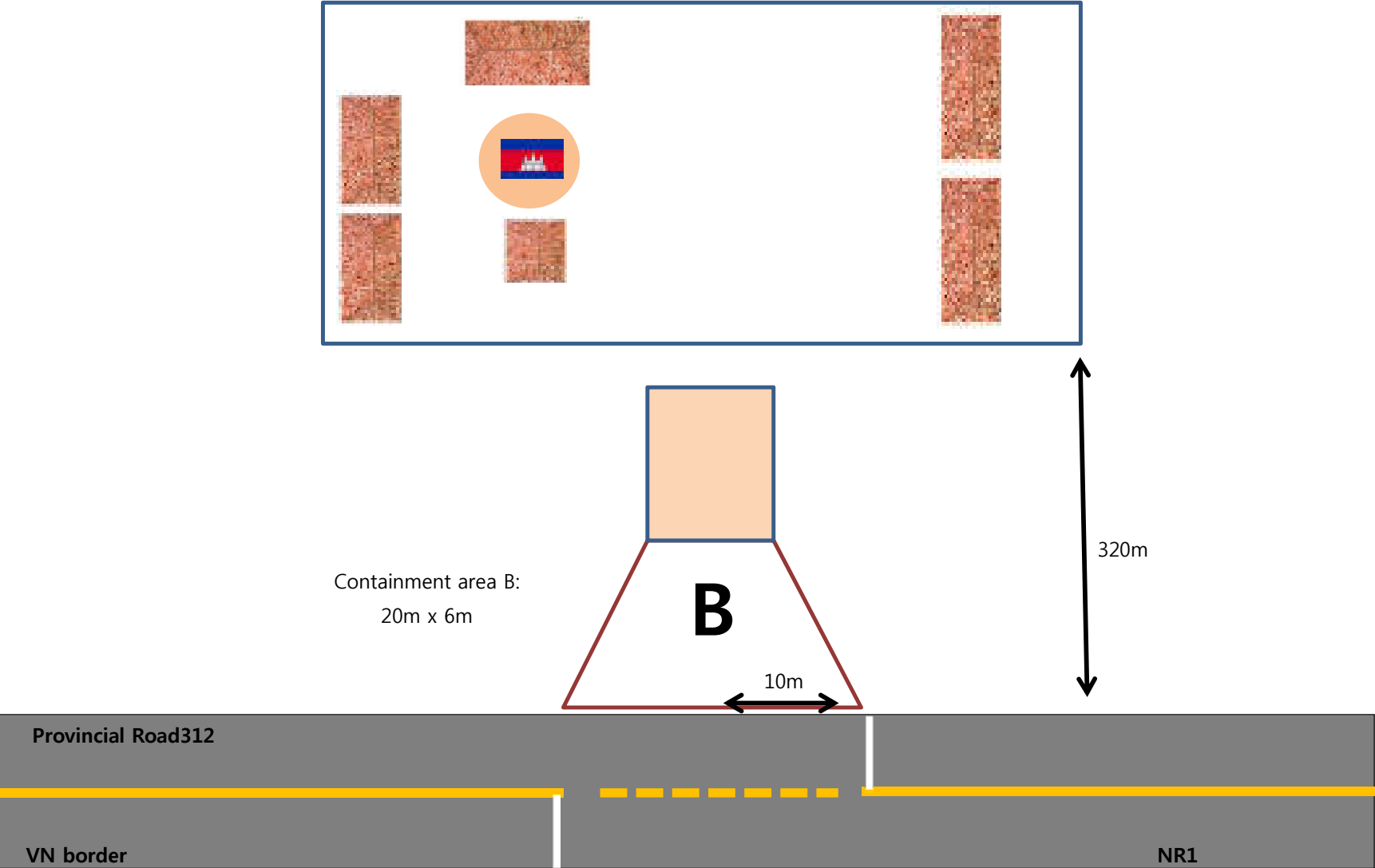
## No 06. School data Information

School Name	Bramol Prum high School			
Category	High School		On main road: Yes	320m
Number of Students	1299	M	734	
		F	565	
Number of Teachers	43	M	27	
		F	16	
Pro: Prey Veng	Dis: Preah Sdach		Com: Angkor Reach	Vil: Krasang Tong
PK	10+665		Side: Left	
Address	Krasang Tong Village			
Tel	015 548 846			

No 06. School entrance image



No 06. School containment area



No 07. Purthi Tatan Primary school data information

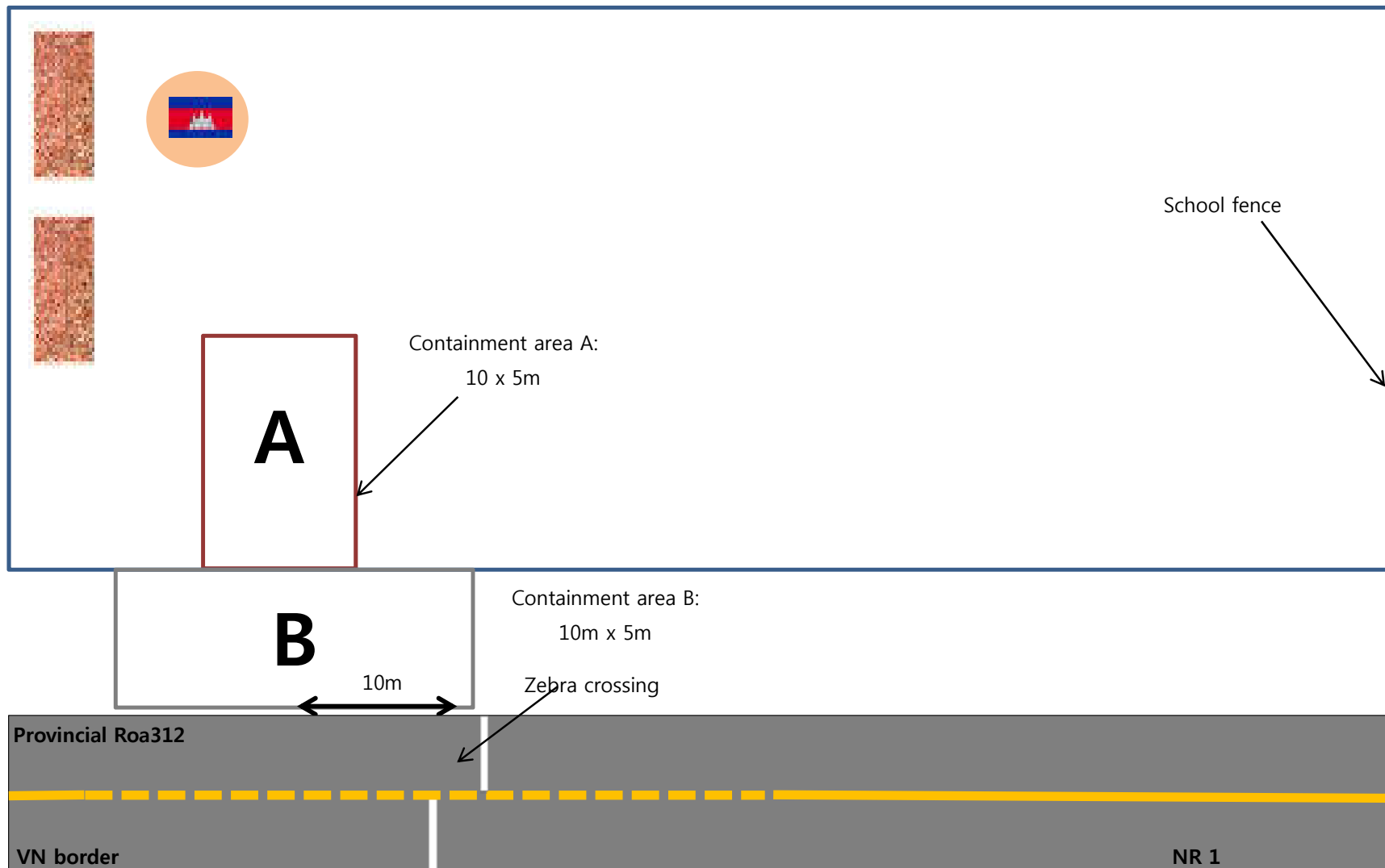
School Name	Purthi Tatan Primary School		
Category	Primary School		On main road: Yes
Number of Students	436	M	189
		F	247
Number of Teachers	12	M	5
		F	7
Pro: Prey Veng	Dis: Preah Sdach	Com: Angkor Reach	Vil: Prey A Staing
PK	12+470	Side: Right	
Address	Prey A Staing Village		
Tel	087 272 093		

No 07. School entrance image





## No 07. School containment area



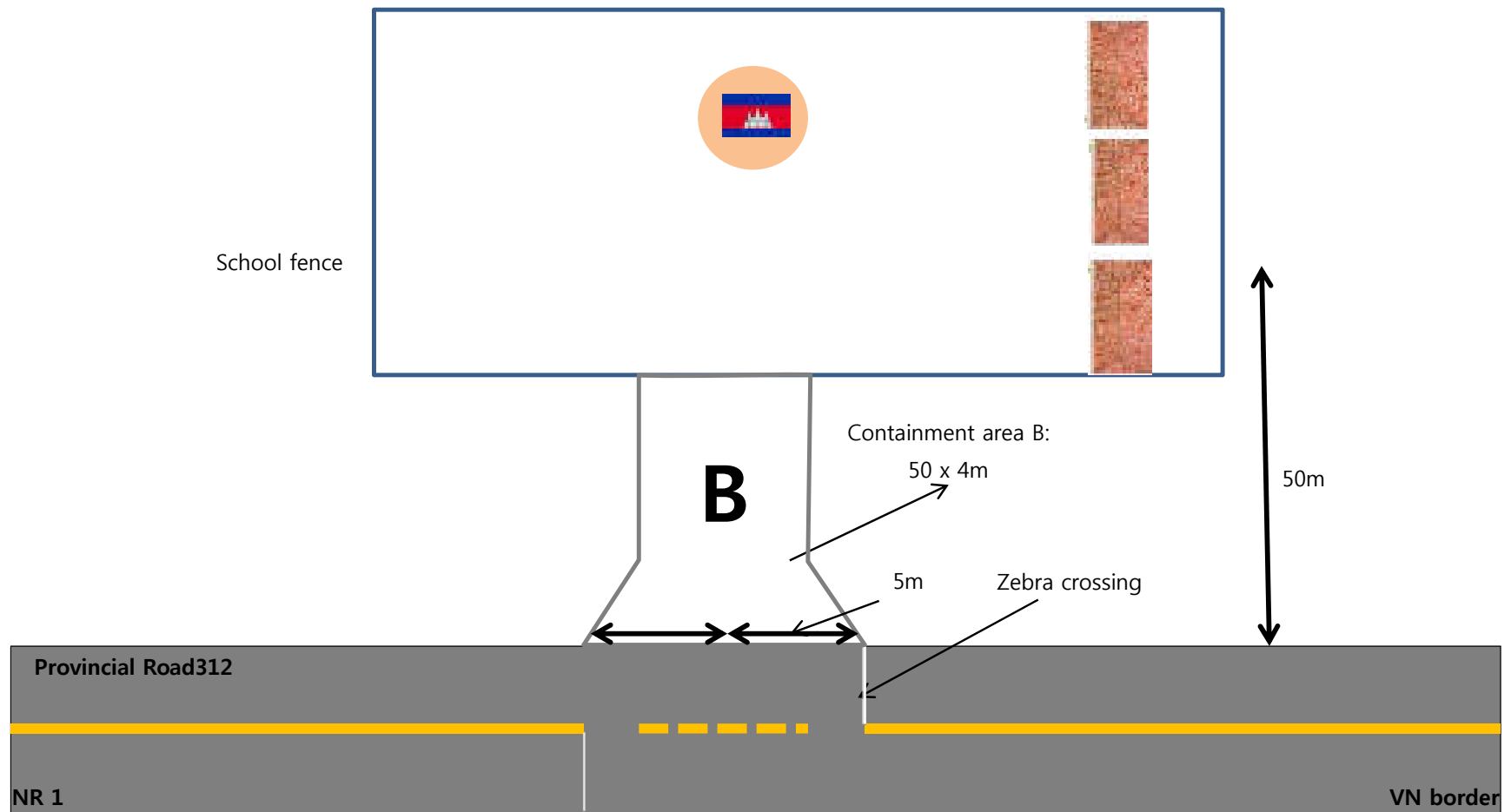
No 08. Brabos Roluoy Primary school data information

School Name	Brabos Roluoy Primary School		
Category	Primary School	On main road: Yes	50m
Number of Students	693	M	352
		F	341
Number of Teachers	14	M	7
		F	7
Province: Prey Veng	Dis: Preah Sdach	Com: Banteay Chakrei	Vil: Brabos Roluoy
PK	17+700	Side: Left	
Address	Brabos Roluoy village		
Tel	097 9078642		

No 08. School entrance image



No 08. School containment area



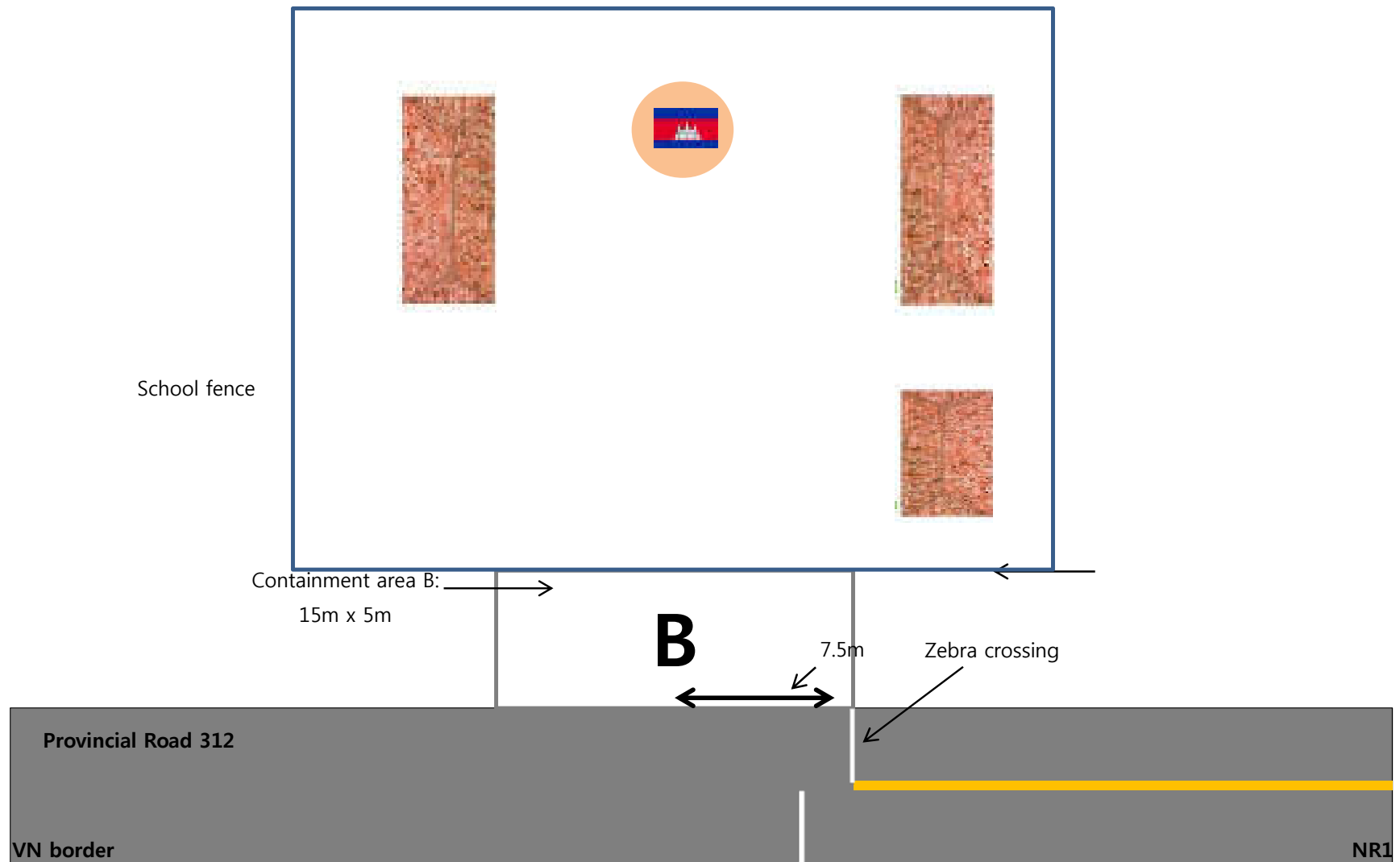
No 09. Banteay Chakrei Secondary school data information

School Name	Banteay Chakrei Secondary School		
Category	Secondary School		On main road: Yes
Number of Students	464	M	242
		F	222
Number of Teachers	13	M	13
		F	0
Province: Prey Veng	Dis: Preah Sdach		Com: Banteay Chakrei Vil: Boeng Kampot
PK	19+370		Side: Left
Address	Boeng Kampot Village		
Tel	015 650191		

No 09. School entrance image



No 09. School containment area



## No 10. Sampoung Primary school data information

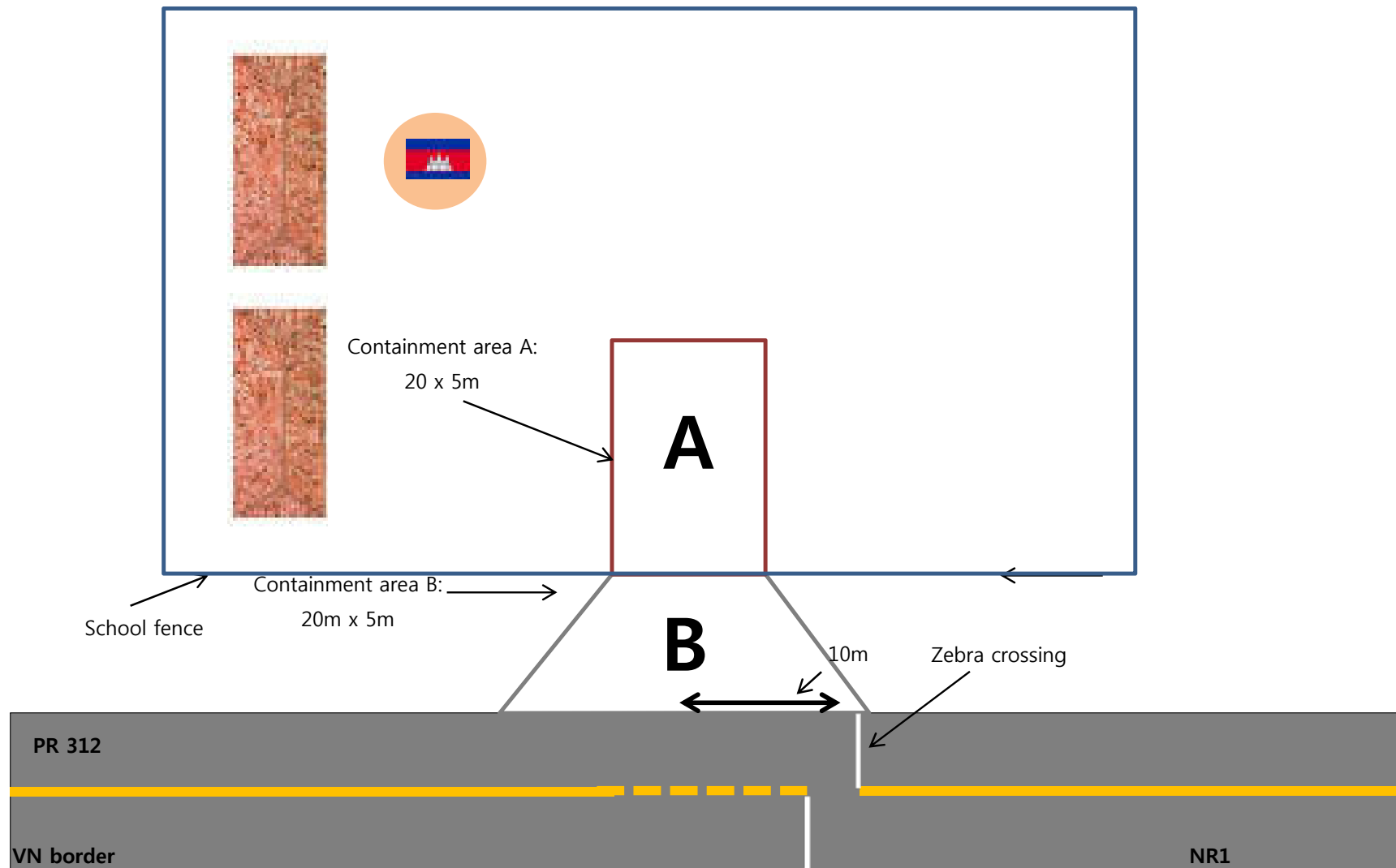
School Name	Sampoung Primary School		
Category	Primary School		On main road: Yes
Number of Students	464	M	89
		F	99
Number of Teachers	10	M	5
		F	5
Province: Prey Veng	Dis: Preah Sdach	Com: Banteay Chakrei	Vil: Brah Sva
PK	23+045		Side: Right
Address	Prah Sva Village		
Tel	015 666334		



No 10. School entrance image



No 10. School containment area



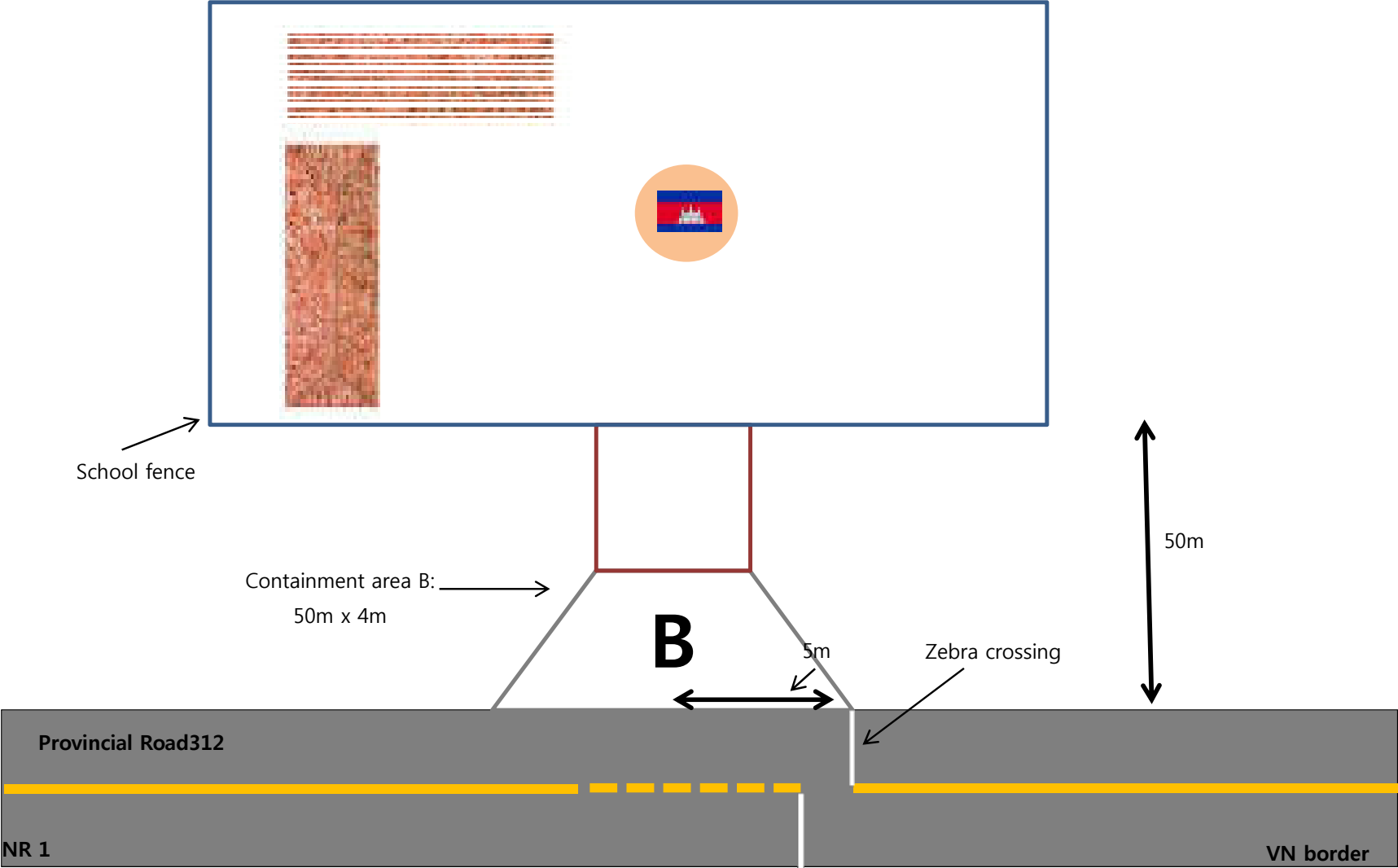
## No 11. Brah Sva Primary school data information

School Name	Brah Sva Primary School		
Category	Primary School	On main road: Yes	50m
Number of Students	392	M	195
		F	197
Number of Teachers	5	M	4
		F	1
Province: Prey Veng	Dis: Preah Sdach	Com: Banteay Chakrei	Vil: Sampoung
PK	25+900	Side: Left	
Address	Sampoung Village		
Tel	096 9040409		

No 11. School entrance image



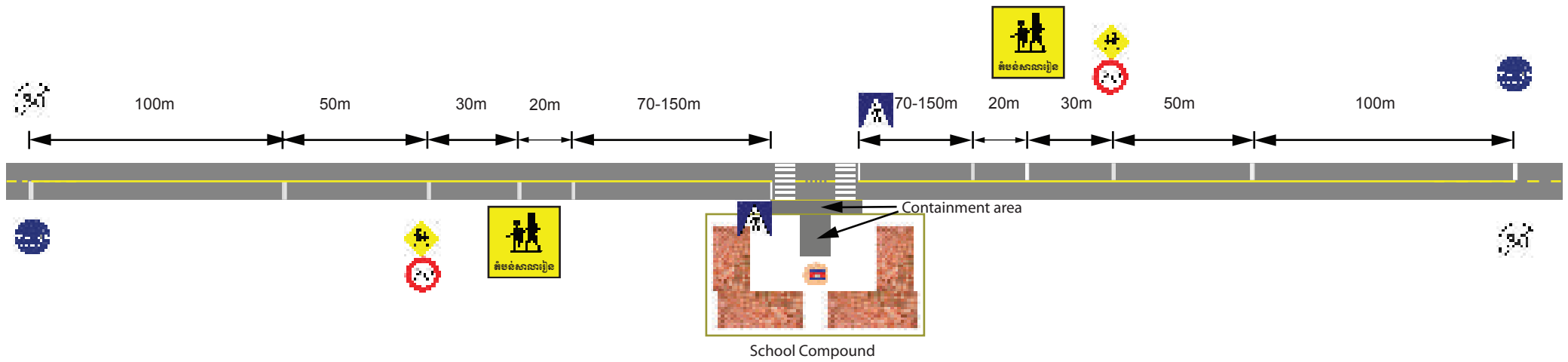
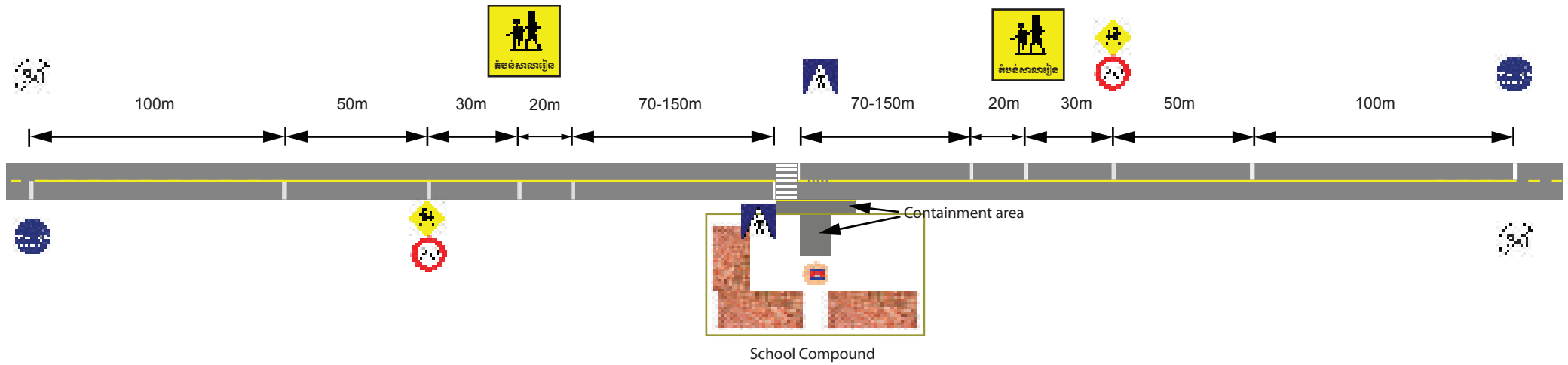
No 11. School containment area



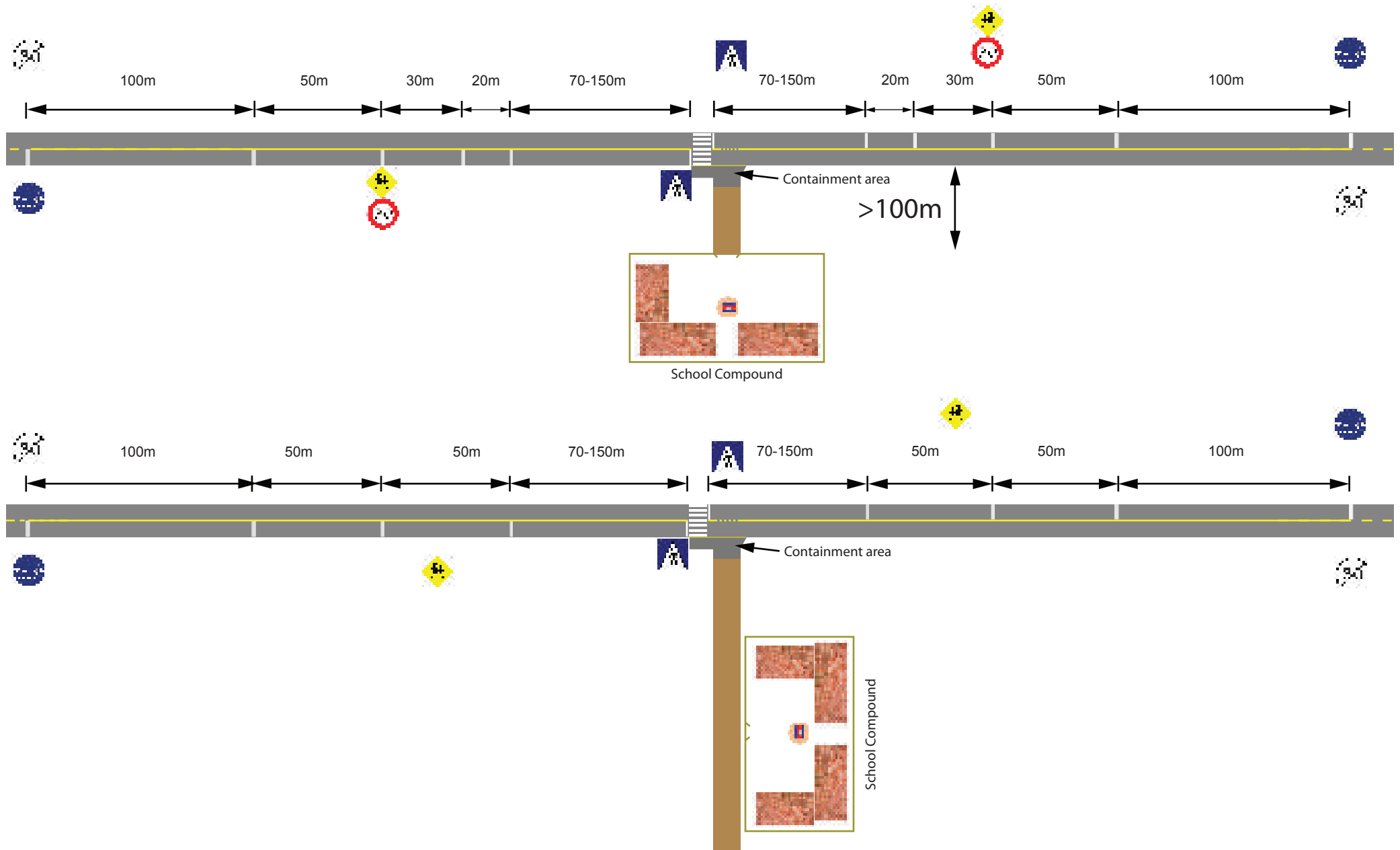
## **APPENDIX G**

### **3. TYPICAL INSTALLATION OF SAFETY SCHOOL ZONE**

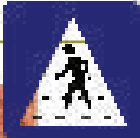
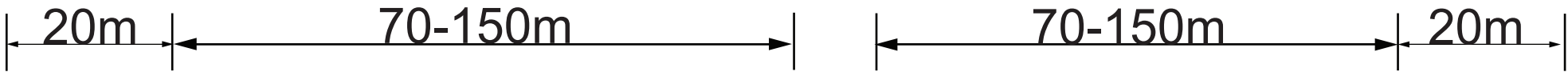
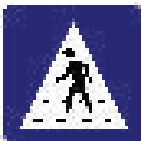
## Typical Installation of Safe School Zone



## Typical Installation of Safe School Zone







B

A

Containment area

Yellow line is the warning line to stand on safety area

