



TECHNICAL PRESENTATION ITB 002 2020 CONSTRUCTION OF SCHOOL AND MEDICAL BUILDINGS IN LOMBOK

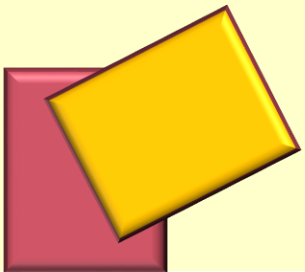


AGENDA

Technical Specification

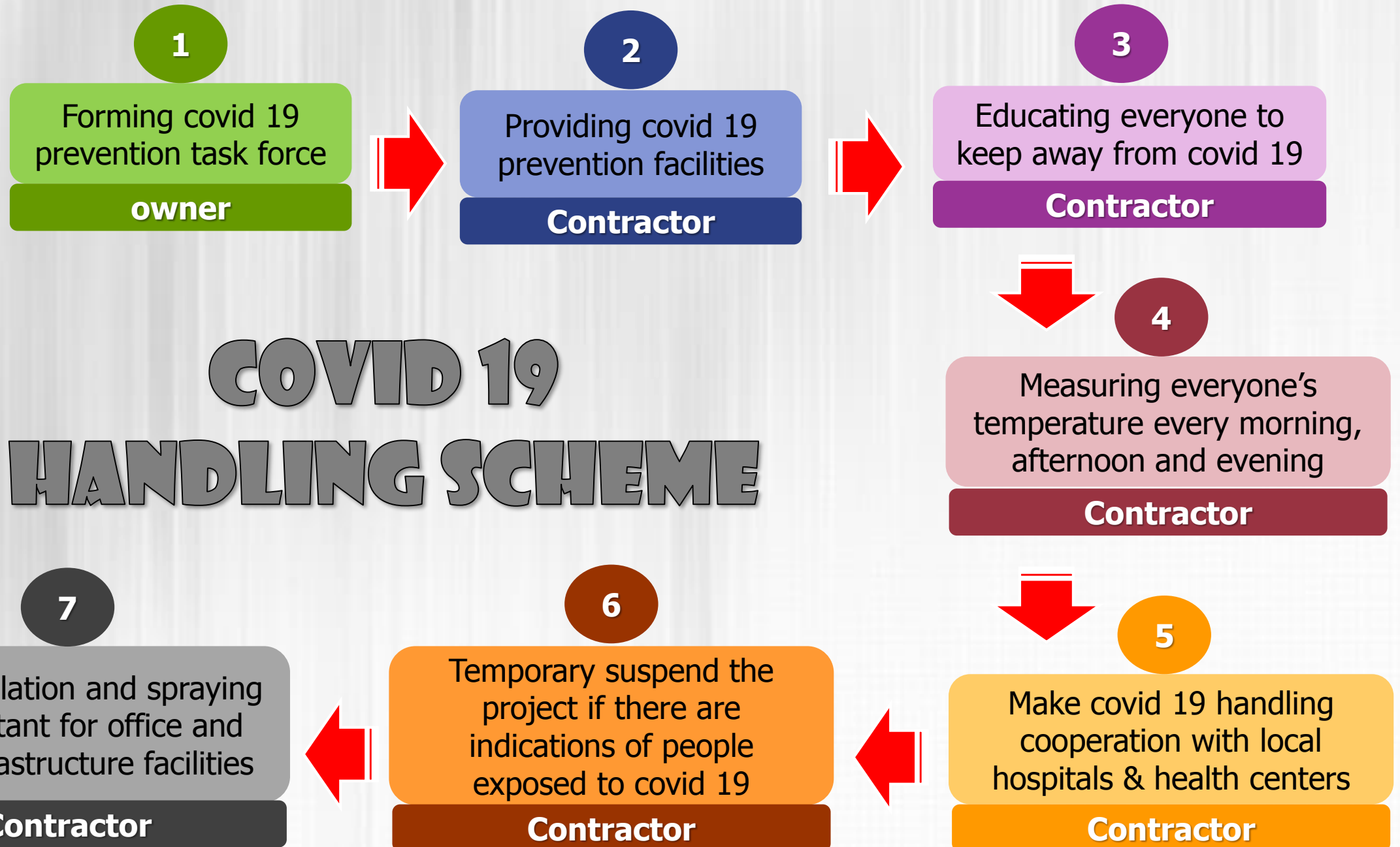
Package 1 Medical Building

Package 2 School Building



TECHNICAL SPECIFICATION

NO	WORK ITEM	MATERIAL
1.	FOUNDATION	Footplate Foundation and stone masonry
2.	STRUCTURE	Beam and coloumn (concrete)
3.	ROOF FRAME	Light Steel Trust
4.	ROOF	Metal Roof Colorbond Clipclock system
5.	CEILING	Gypsumboard GRC (area Toilet dan Exterior)
6.	WALL	Brick Wall. Light Brick (Hebel)
7.	FLOOR	Homogenous Tile and Ceramic Tile
8.	DOOR AND WINDOW FRAME	Aluminium Powder Coating and Accessories
10.	LEAF DOOR	Engineering Door
11.	SANITARY	Monoblock sit, Closet cringe, Lavatory, Floor Drain & Faucet Faucet



GEOLOGICAL AGENCY RECOMMENDATIONS

NO.	VILLAGE	SUB-DISTRICT	DISTRICT	UNIT	CONDITION	CONCLUSION OF THE GEOLOGICAL AGENCY (BG)
1	Sigar Penjalin	Tanjung	Lombok Utara	PUSTU RANGSOT	SEVERE DAMAGE	<ul style="list-style-type: none"> No problem with bearing capacity of foundation
2	Pemenang Barat	Pemenang	Lombok Utara	PUSTU TELAGA WARENG (Yellow Zone)	SEVERE DAMAGE	<ul style="list-style-type: none"> No problem with bearing capacity of foundation
3	Tegal Meja	Tanjung	Lombok Utara	PUSTU TEGAL MAJA	SEVERE DAMAGE	<ul style="list-style-type: none"> No problem with bearing capacity of foundation Liquefaction potentially occur in the future
4	Genggelang	Gangga	Lombok Utara	PUSTU GANGGA	SEVERE DAMAGE	<ul style="list-style-type: none"> No problem with bearing capacity of foundation
5	Loloan	Bayan	Lombok Utara	PUSTU LOLOAN	SEVERE DAMAGE	<ul style="list-style-type: none"> No problem with bearing capacity of foundation
6	Selangan	Kayangan	Lombok Utara	PUSTU SELENGAN (Red Zone)	SEVERE DAMAGE	<ul style="list-style-type: none"> No problem with bearing capacity of foundation Liquefaction potentially occur at the future
7	Sesait	Kayangan	Lombok Utara	PUSTU SESAIT	SEVERE DAMAGE	<ul style="list-style-type: none"> No problem with bearing capacity of foundation
8	Pendua	Kayangan	Lombok Utara	PUSTU PENDUE	SEVERE DAMAGE	<ul style="list-style-type: none"> No problem with bearing capacity of foundation
9	Gapuk	Gerung	Lombok Barat	PUSTU GAPUK	SEVERE DAMAGE	-
10	Labuhan Lombok	Pringgabaya	Lombok Timur	PUSKESMAS LABUHAN LOMBOK	SEVERE DAMAGE	<ul style="list-style-type: none"> No problem with bearing capacity of foundation Liquefaction potentially occur at the future

GEOLOGICAL AGENCY RECOMMENDATIONS

NO.	VILLAGE	SUB-DISTRICT	DISTRICT	UNIT	CONDITION	CONCLUSION OF THE GEOLOGICAL AGENCY (BG)
1	Pemenang	Pemenang	Lombok Utara	SMK NEGERI 1 PEMENANG (Yellow Zone)	SEVERE DAMAGE	<ul style="list-style-type: none"> • No problem with bearing capacity of foundation • Liquefaction potentially occur at the future
2	Sokong	Tanjung	Lombok Utara	SMK NEGERI 1 TANJUNG	SEVERE DAMAGE	<ul style="list-style-type: none"> • No problem with bearing capacity of foundation • Liquefaction potentially occur at the future
3	Genggelang	Gangga	Lombok Utara	SMK NEGERI 1 GANGGA	SEVERE DAMAGE	<ul style="list-style-type: none"> • No problem with bearing capacity of foundation
4	Kayangan	Kayangan	Lombok Utara	SMK NEGERI 1 KAYANGAN (Yellow Zone)	SEVERE DAMAGE	<ul style="list-style-type: none"> • No problem with bearing capacity of foundation • Liquefaction potentially occur at the future

PACKAGE 2

PACKAGE 1

MEDICAL BUILDINGS



PROJECT LOCATION

DISTRICT OF NORTH LOMBOK

1. PUSTU TELAGA WARENG
2. PUSTU TEGAL MAJA
3. PUSTU SESAIT
4. PUSTU RANGSOT
5. PUSTU PENDUE
6. PUSTU GANGGA
7. PUSTU SELENGAN
8. PUSTU LOLOAN

DISTRICT OF WEST LOMBOK

PUSTU GAPUK

DISTRICT OF EAST LOMBOK

PUSKESMAS LABUHAN
LOMBOK

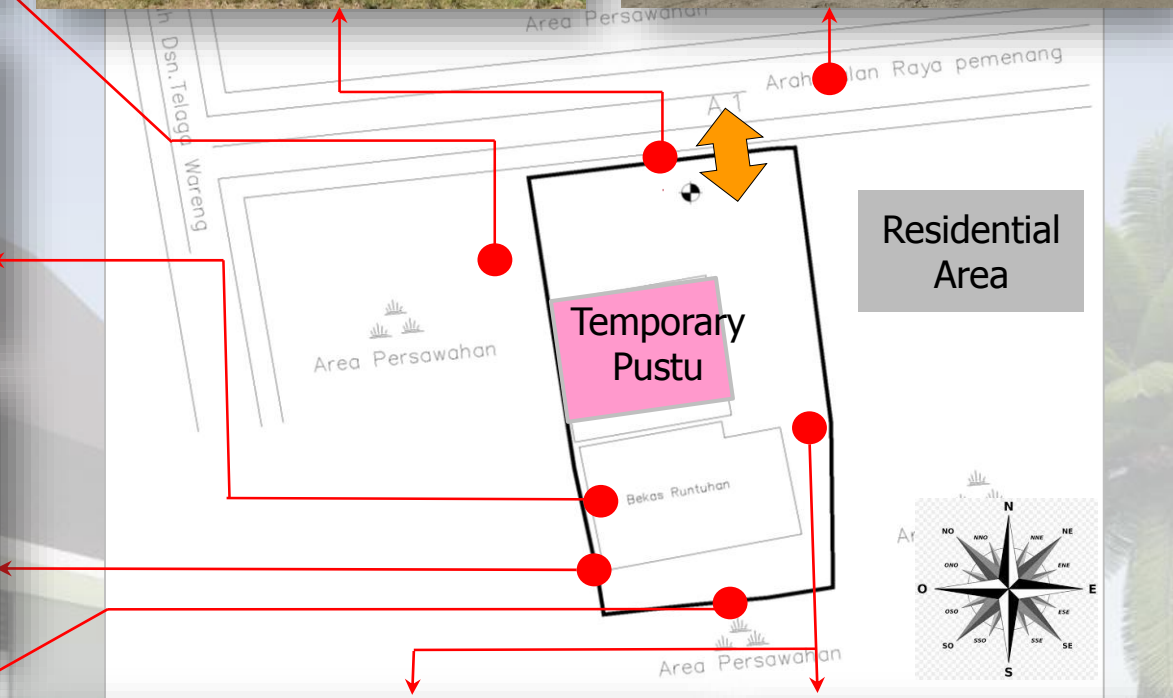


PUSTU TELAGA WARENG

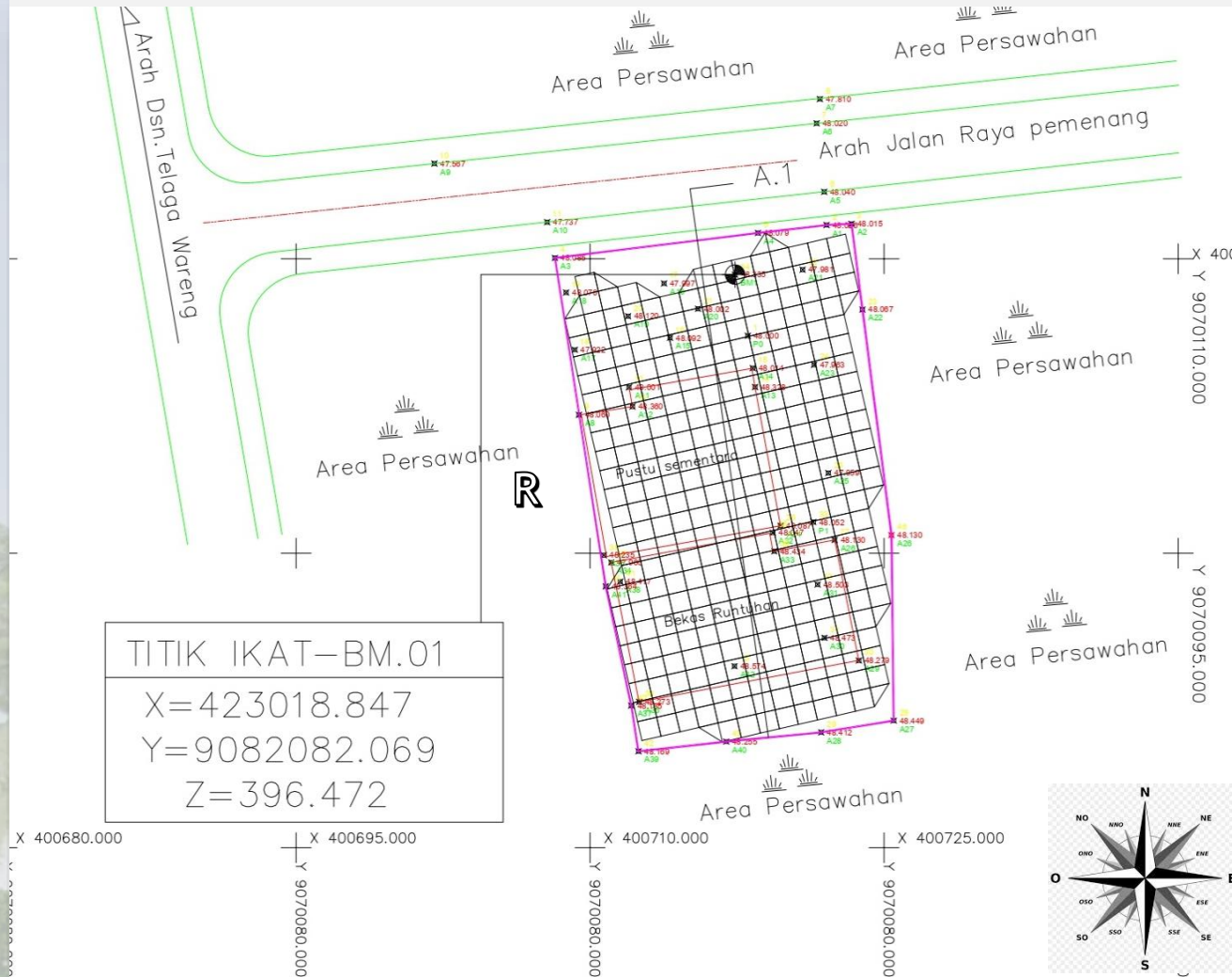
Pemenang Sub District, Pemenang Barat Village

EXISTING SITE CONDITIONS

- North : Access road to pemenang
- South : Paddy field
- East : Residential area
- West : Sidewalk
- Previous Pustu Building has been destroyed and on the site there is a semi permanent building which is used as temporary pustu
- The site is below the road level.
- The fence on the back and right side has been destroyed, so that the overall damage
- Environmental drainage & sanitation in the site is not yet available.
- Clean Water Source : PDAM
- Electric power capacity, 900VA



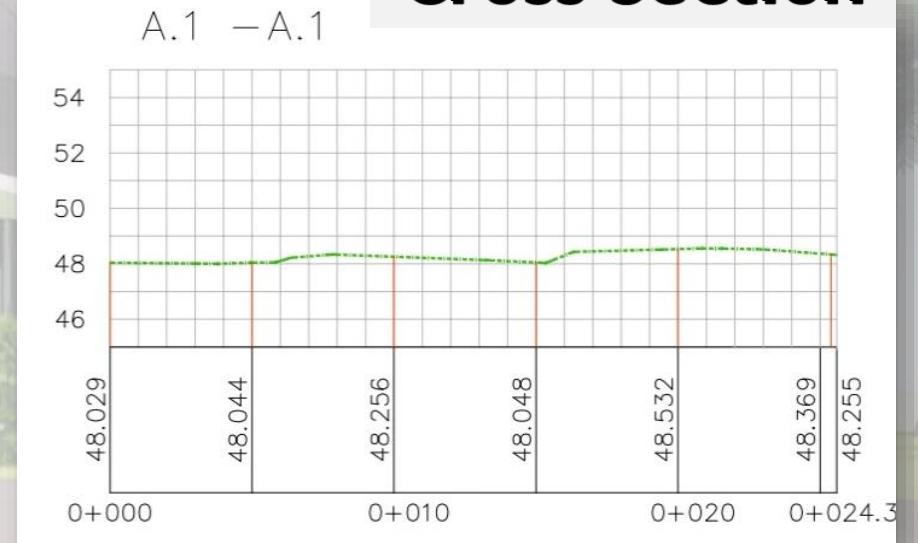
Topographic Measurements Results



Pustu Telage Wareng				
Color	Range Beg.	Range End	Percent	Area
Red	47.00	47.40	0.0	0.00
Yellow	47.40	47.80	0.0	0.00
Green	47.80	48.00	6.2	22.57
Cyan	48.00	48.00	0.0	0.00
Blue	48.00	49.00	93.8	339.92

- Land Area = 373 m²
- Site Coordinates x : 407 718 mE and Y : 9 070 096 mS

Cross Section



PUSTU TEGAL MAJA

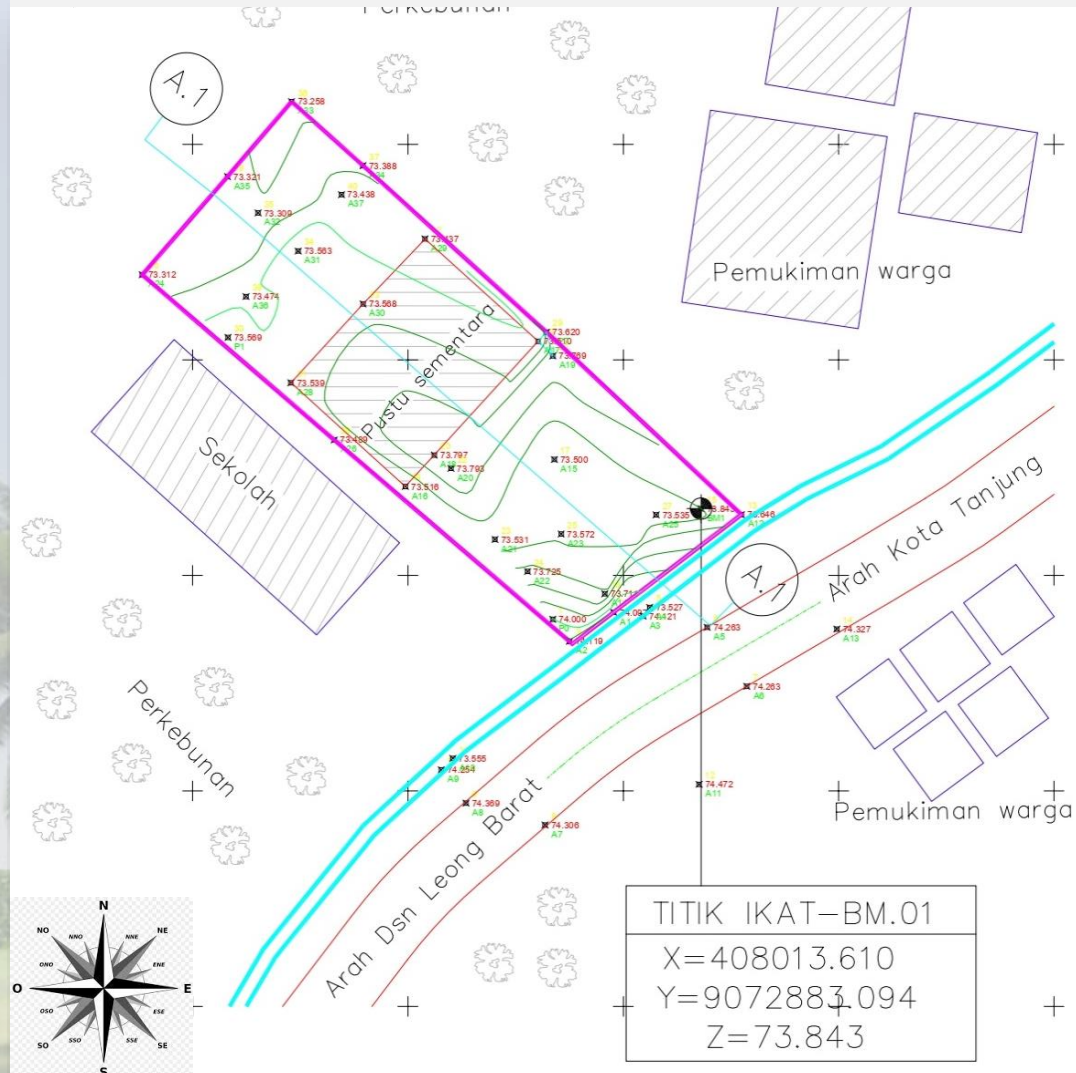
Tanjung Sub District, Tegal Maja Village

EXISTING SITE CONDITIONS

- North : Small river
- South : Road Leong Barat to Tanjung
- East : Settlement area
- West : School
- Previous Pustu Building has been destroyed and on the site there is a semi permanent building which is used as temporary pustu
- The site is below the road level.
- The fence is in good condition
- Environmental drainage & sanitation in the site is not yet available.
- Clean Water Source : PDAM
- Electric power capacity, 900VA



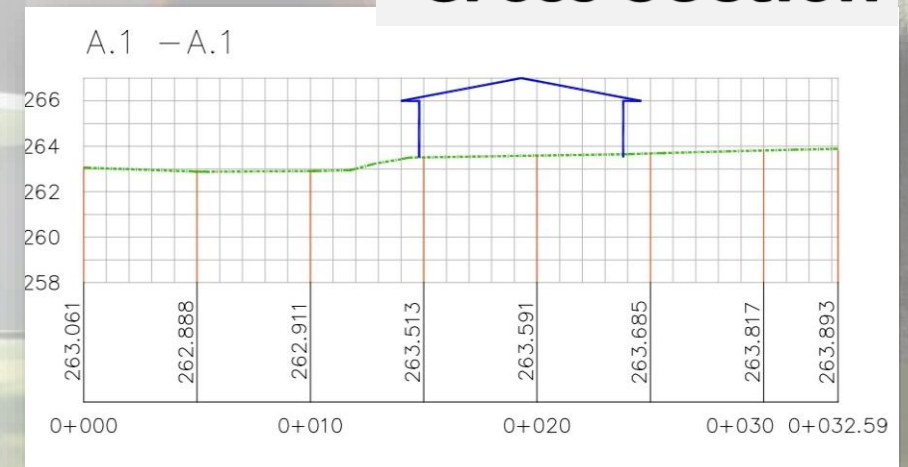
Topographic Measurements Results



Pustu Tegal Maja				
Color	Range Beg.	Range End	Percent	Area
Red	73.00	73.40	13.3	34.23
Yellow	73.40	73.80	84.2	216.12
Green	73.80	74.00	2.4	6.22
Cyan	74.00	74.00	0.0	0.00
Blue	74.00	75.00	0.0	0.00

- Land Area = 279 m²
- Site Coordinates x : 408 011 mE and Y : 9 072 878 mS

Cross Section



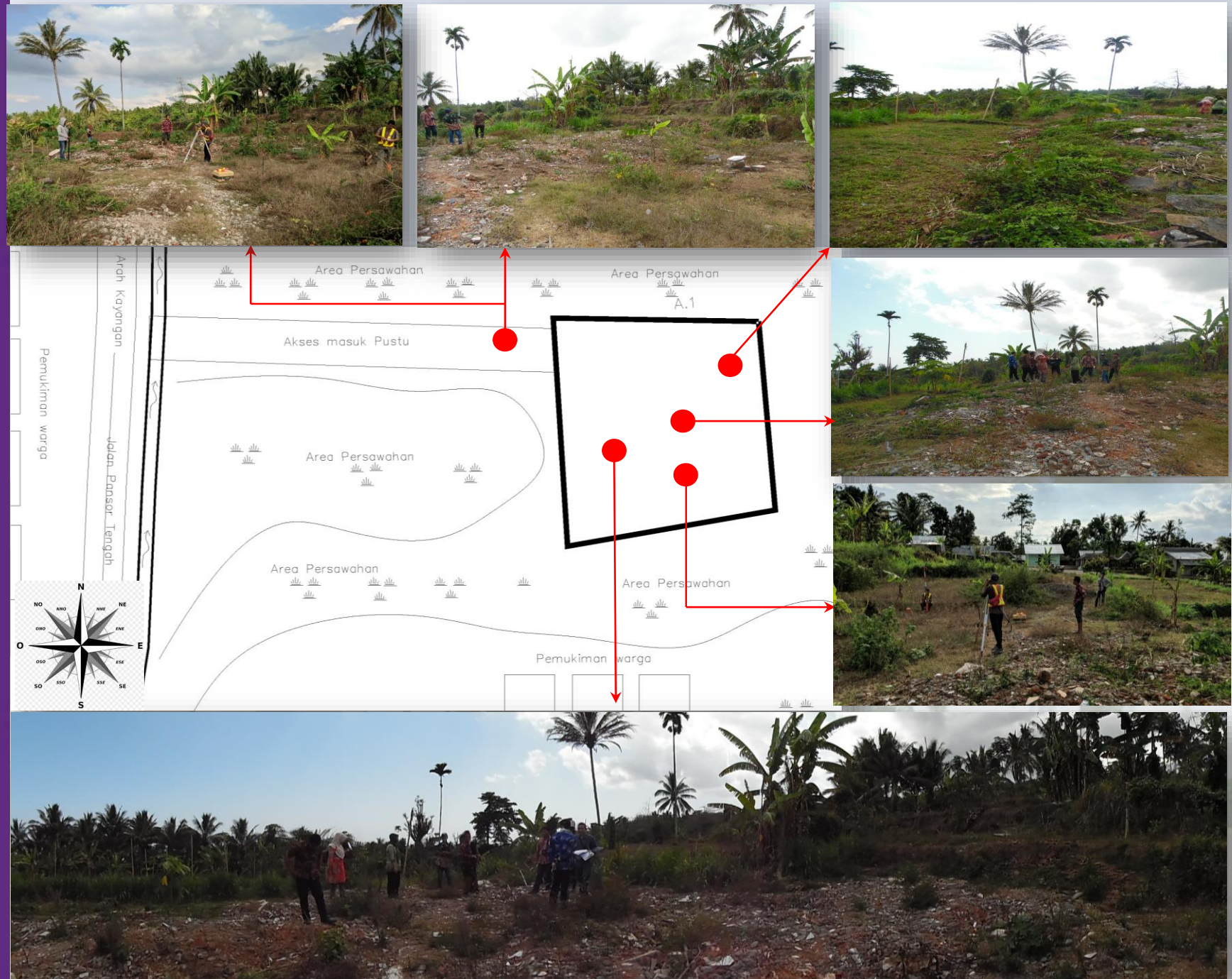
PUSTU SESAIT

Kayangan Sub District, Sesait Village

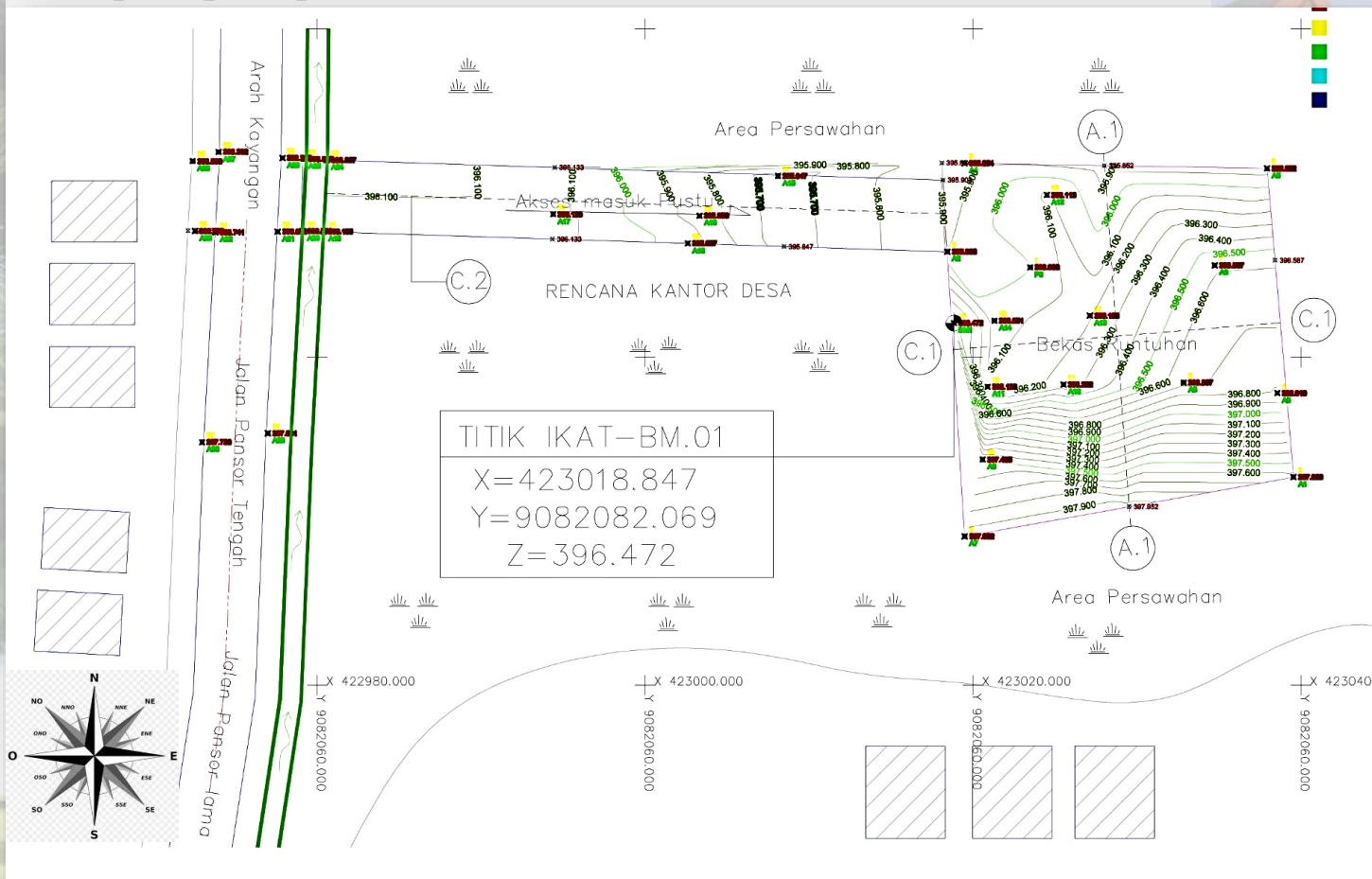


EXISTING SITE CONDITIONS

- North : Paddy field
- South : Paddy field and setelement area
- East : Paddy field
- West : Access road to pasar tengah
- Pustu Building has been destroyed and debris left in the site of the pustu building
- The site is above the level of the road with flat and level ground
- Environmental drainage & sanitation in the site is not available.



Topographic Measurements Results

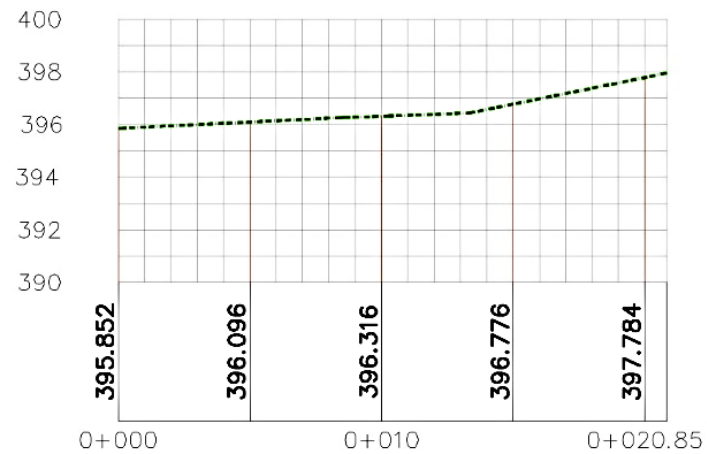


Color	Range Beg.	Range End	Percent	Area
■	395.00	395.60	0.0	0.00
+	395.60	396.00	22.9	133.03
■	396.00	396.00	0.0	0.00
■	396.00	397.00	60.0	348.50
■	397.00	398.00	17.1	99.17

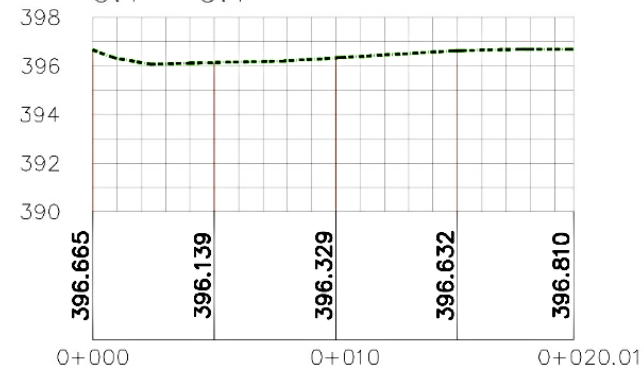
- Land Area = 417 m²
- Site Coordinates
 x : 423 030 mE
 Y : 9 082 084 mS

Cross Section

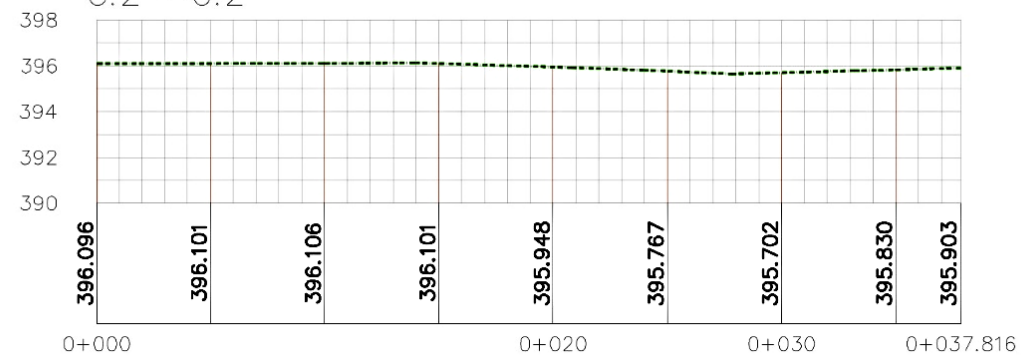
CROOS SECTION – HORIZONTAL
A.1 – A.1



CROOS SECTION – VERTICAL
C.1 – C.1



CROOS SECTION – JLN MASUK
C.2 – C.2



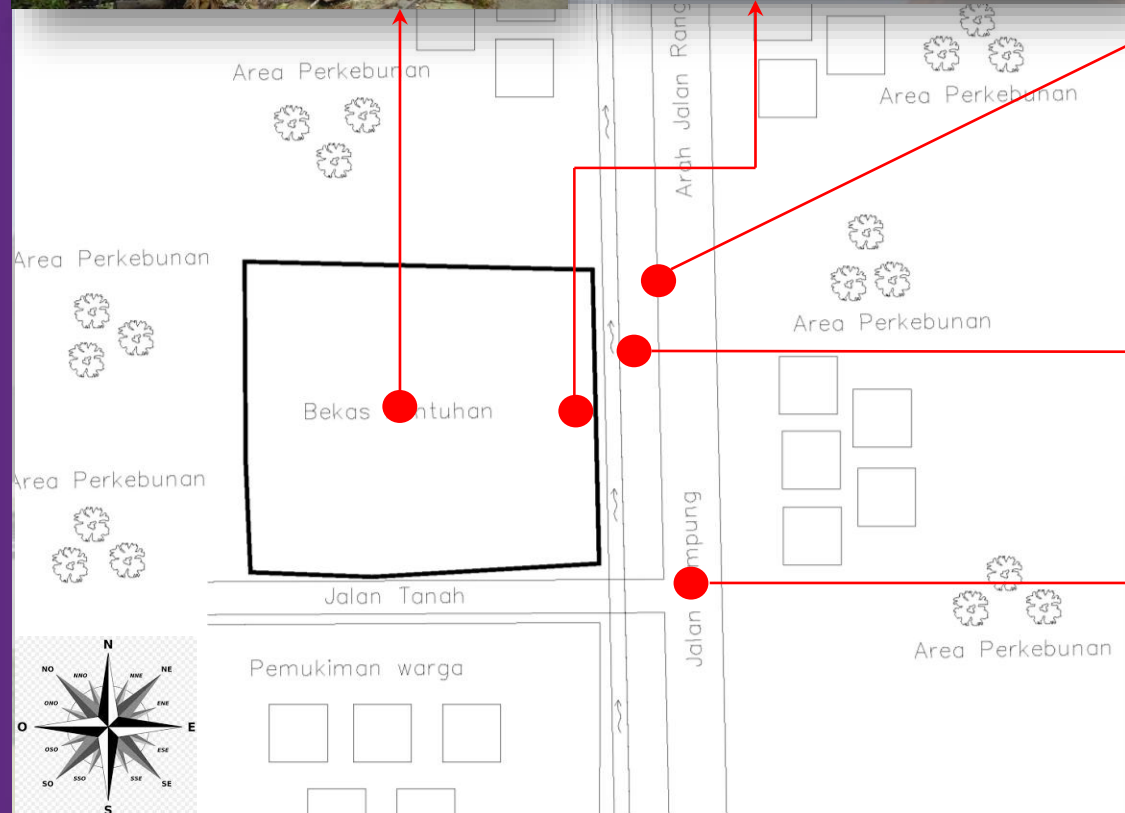
PUSTU RANGSOT

Tanjung Sub District, Sigar Penjalin Village



EXISTING SITE CONDITIONS

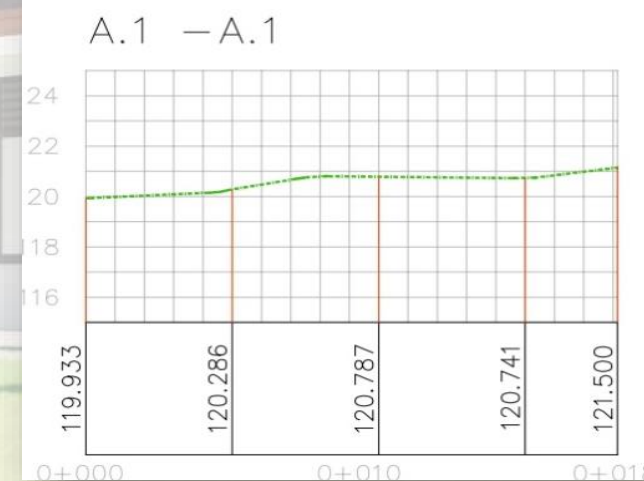
- North : Plantation area
- South : Settlement area
- East : Access road to Rangso
- West : Plantation area
- Previous Pustu Building and fences have been destroyed and in the site there are ruins of pustu building that have been destroyed
- The site is above the level of the road
- Environmental drainage & sanitation in the site is not available.
- Clean Water Source : PDAM
- Well water is obtained with a depth of 138 m.
- Electric power capacity, 1300 VA





- Land Area = 287 m²
- Site Coordinates x : 403 671 mE
and Y : 9 070 767 mS

Cross Section



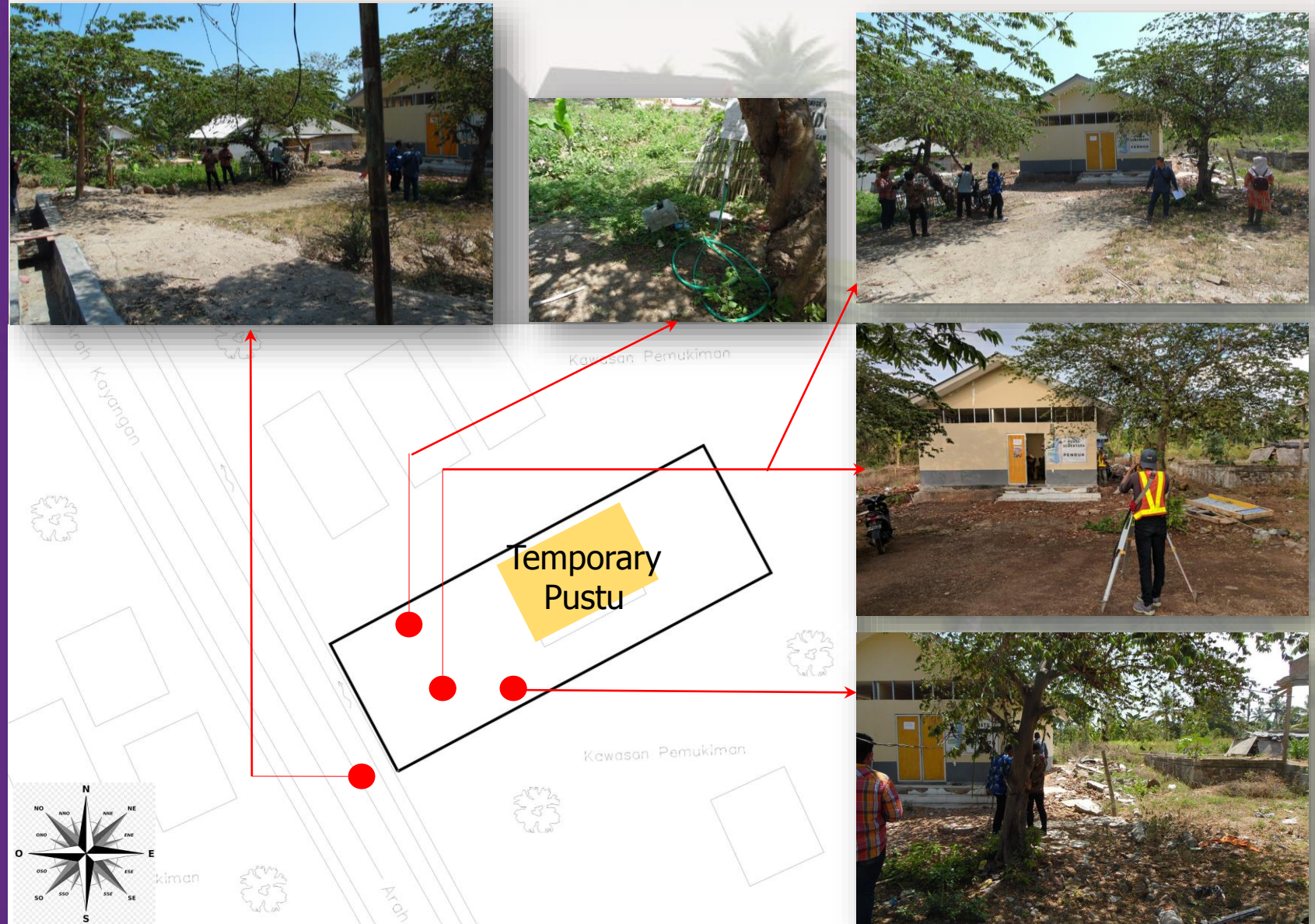


PUSTU PENDUE

Kayangan Sub District, Pendue Village

EXISTING SITE CONDITIONS

- North : Settlement area
 - South : Settlement area
 - East : Plantation area
 - West : Road Kayangan to Sontong
-
- Previous Pustu Building has been destroyed and on the site there is a semi permanent building which is used as temporary pustu
 - The site is below the road level (± 40 cm).
 - Environmental drainage & sanitation in the site is not available.
 - Clean Water Source : PDAM
 - Electric power capacity, 1300 VA



Topographic Measurements Results

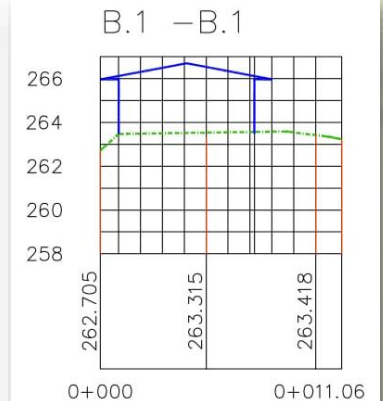
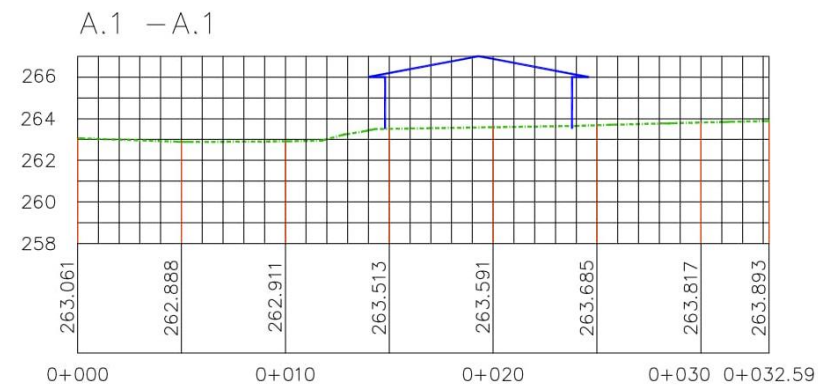


PUSTU PENDUE

Color	Range Beg.	Range End	Percent	Area
Red	262.00	262.60	0.0	0.00
Yellow	262.60	263.00	25.4	66.85
Green	263.00	263.00	0.0	0.00
Cyan	263.00	264.00	74.6	196.56
Blue	264.00	265.00	0.0	0.00

- Land Area = 377 m²
- Site Coordinates x : 403 671 mE and Y : 9 070 767 mS

Cross Section



PUSTU GANGGA

Gangga Sub District, Genggeleng Village

EXISTING SITE CONDITIONS

- North : Settlement area
- South : Settlement area
- East : Access road to Gangga
- West : Settlement area
- Pustu Building and fence have been destroyed and left behind debris from the former Pustu Building on site
- The site is above the road level
- Environmental drainage & sanitation in the site is not available.
- Clean Water Source : Village PAM



Topographic Measurements Results

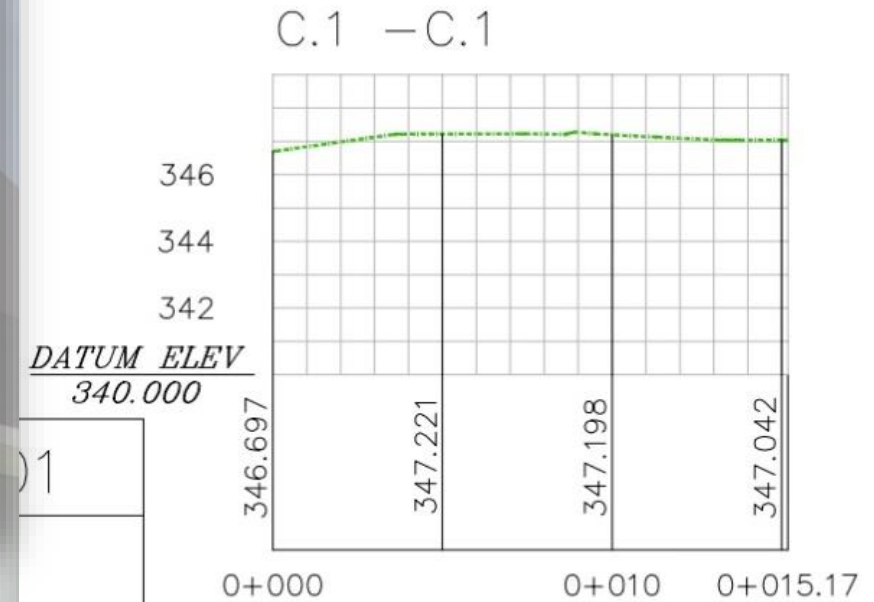
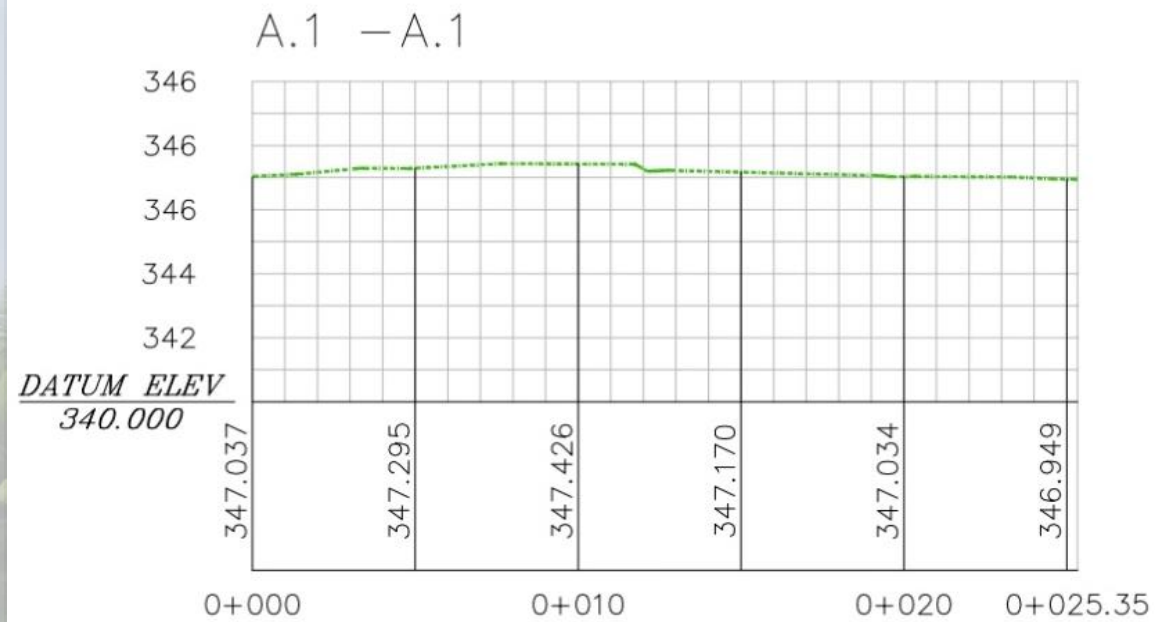


Pustu Ganggalang–Gangga					
Color	Range Beg.	Range End	Percent	Area	
Red	346.00	346.40	0.6	2.29	
Yellow	346.40	346.80	8.1	30.88	
Green	346.80	347.00	16.2	62.00	
Cyan	347.00	347.00	0.0	0.00	
Blue	347.00	348.00	75.1	286.85	

- Land Area = 384 m²
- Site Coordinates
x : 415 293 mE
Y : 9 076 896 mS

TIK IKAT–BM.01
X=415308.804
Y=9076898.415
Z=347.273

Cross Section



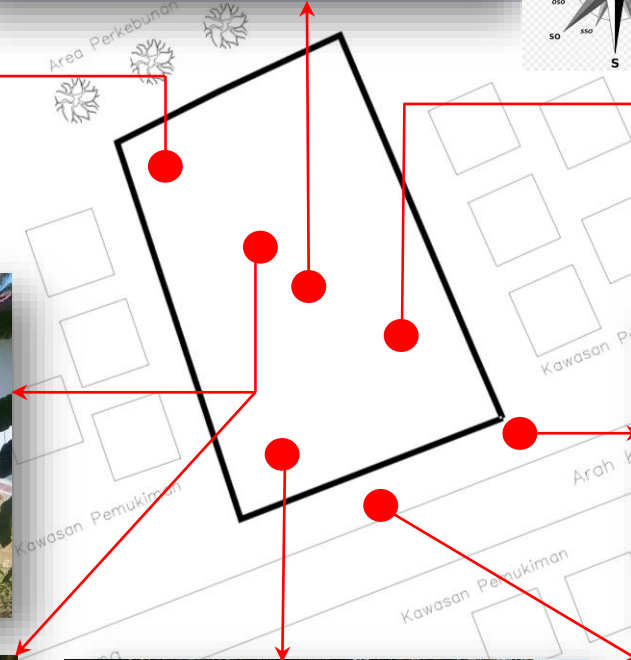
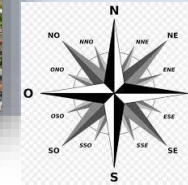
PUSTU SELENGAN

Kayangan Sub District, Selengan Village



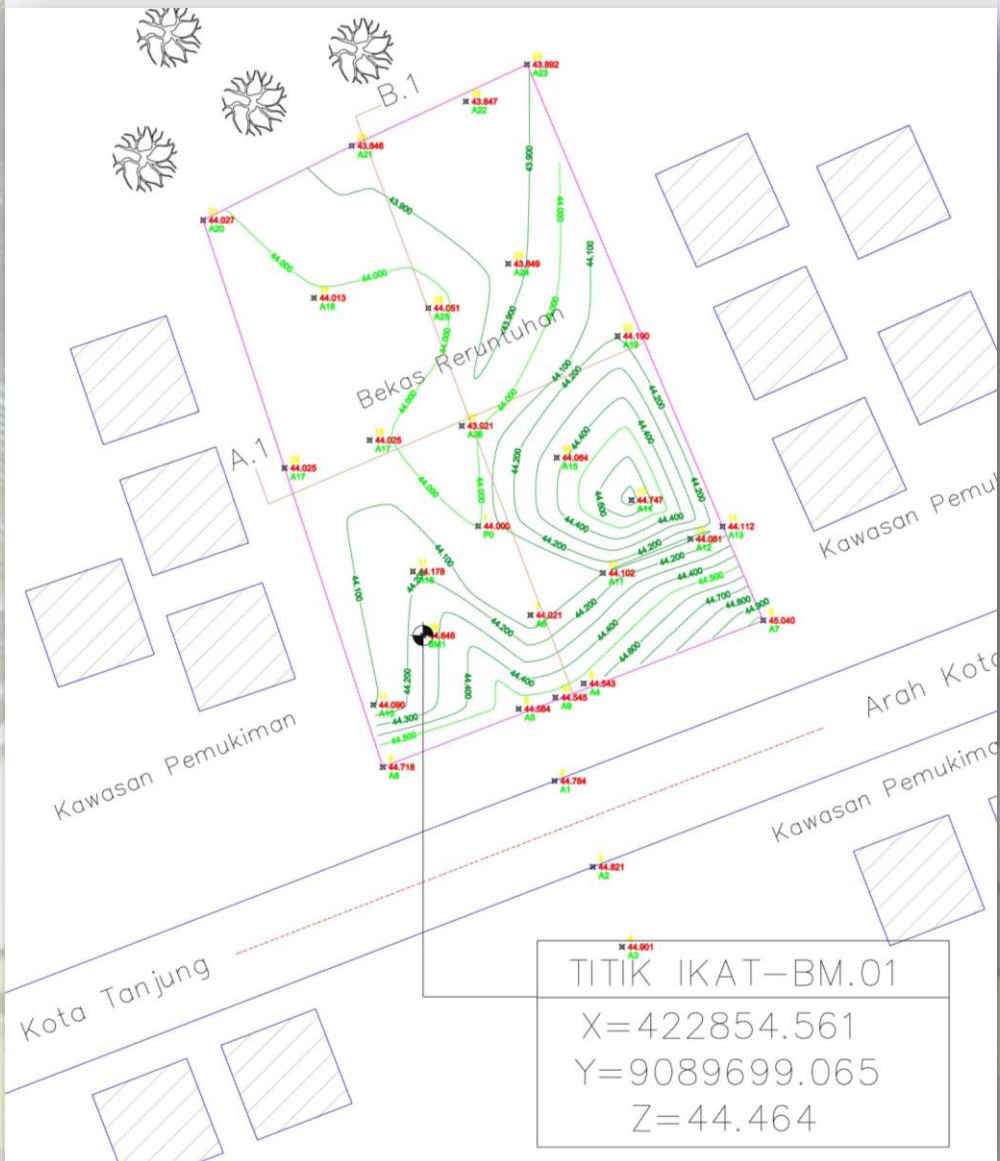
EXISTING SITE CONDITIONS

- North : Plantation area
- South : Road Tanjung - Bayan
- East : Settlement area
- West : Settlement area
- Pustu Building has been destroyed and debris left in the site of the pustu building
- The front of the site is a village – owned building whose condition is no longer suitable to maintain, because it has been damaged by the earthquake
- The site is below the road level
- Environmental drainage & sanitation in the site is not available.
- Clean Water Source : PDAM



Topographic Measurements Results

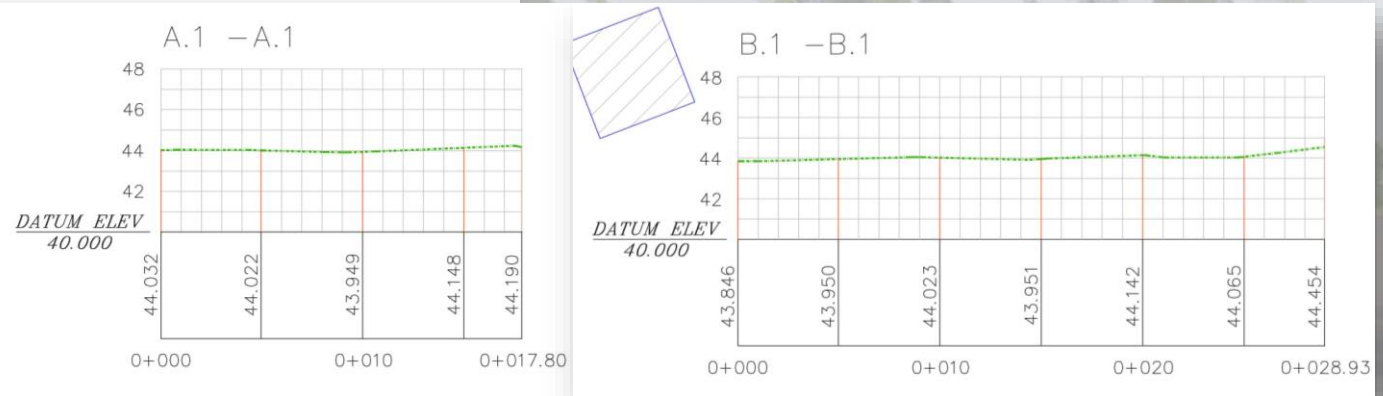
PUSTU SELENGAN



Pustu Selengan-Kayangan				
Color	Range Beg.	Range End	Percent	Area
Red	43.00	43.60	0.0	0.00
Yellow	43.60	44.00	45.4	207.64
Green	44.00	44.00	0.0	0.00
Cyan	44.00	45.00	54.6	250.13
Blue	45.00	46.00	0.0	0.00

- Land Area = 550 m²
- Site Coordinates
x : 422 864 mE
Y : 9 089 710 mS

Cross Section



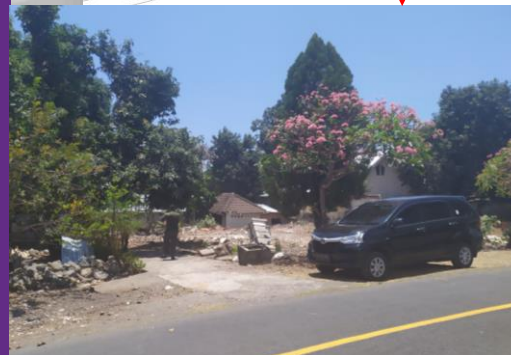
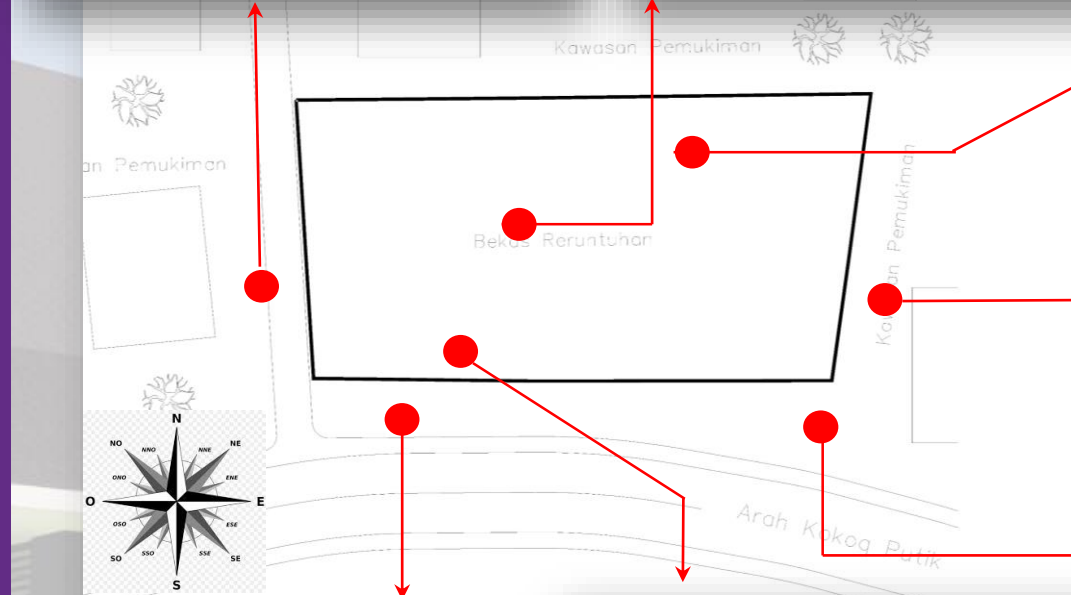


PUSTU LOLOAN

Bayan Sub District, Loloan Village

EXISTING SITE CONDITIONS

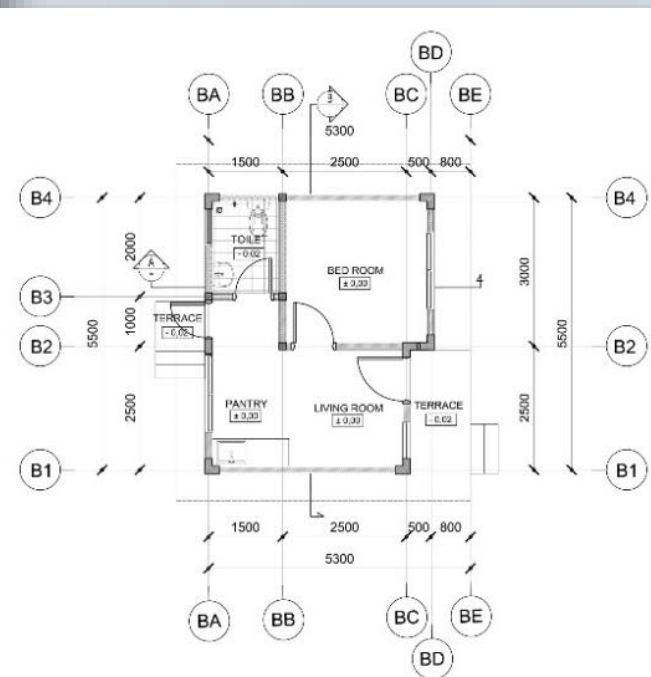
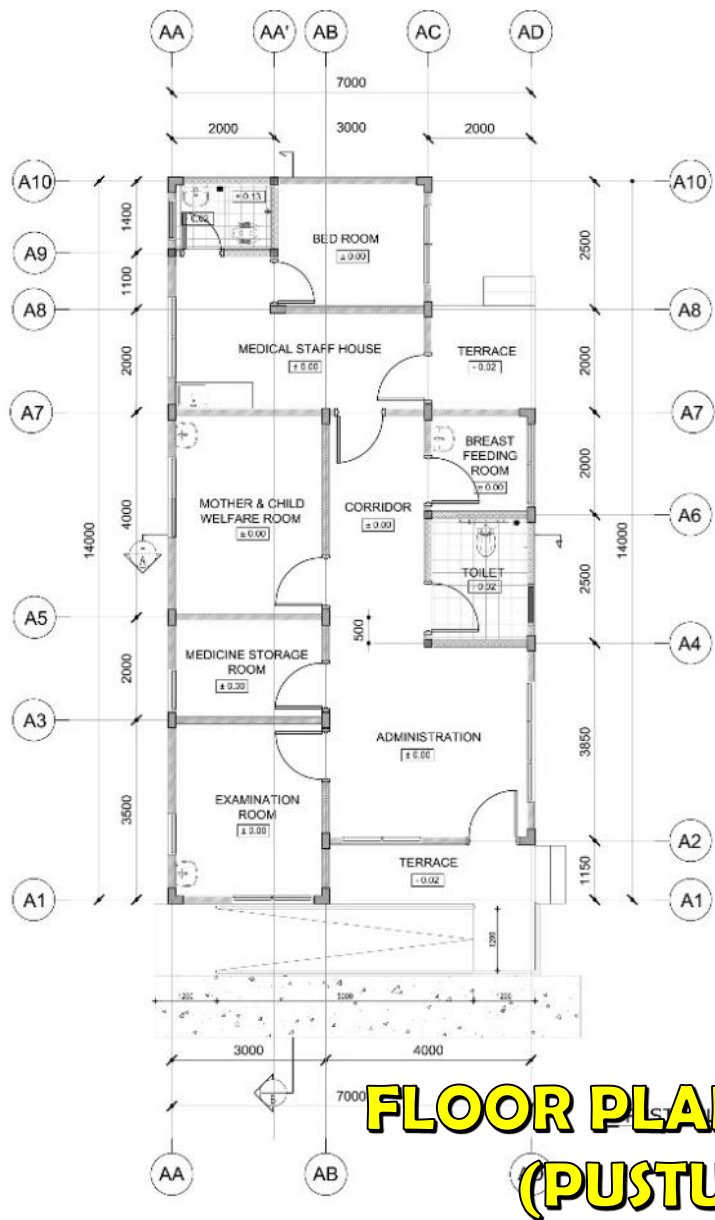
- North : Settlement area
- South : Road to Kayangan
- East : Street & settlement
- West : Street & settlement
- Pustu Building has been destroyed and debris left in the site of the pustu building
- The right side fence is still intact
- The site is below the road level (± 20 cm)
- Environmental drainage & sanitation in the site is not available.
- Clean Water Source : PDAM
- Electric power capacity, 900 VA



PUSTU DESIGN (8 PUSTU)

FLOOR PLAN, ELEVATION AND FLOOR AREA

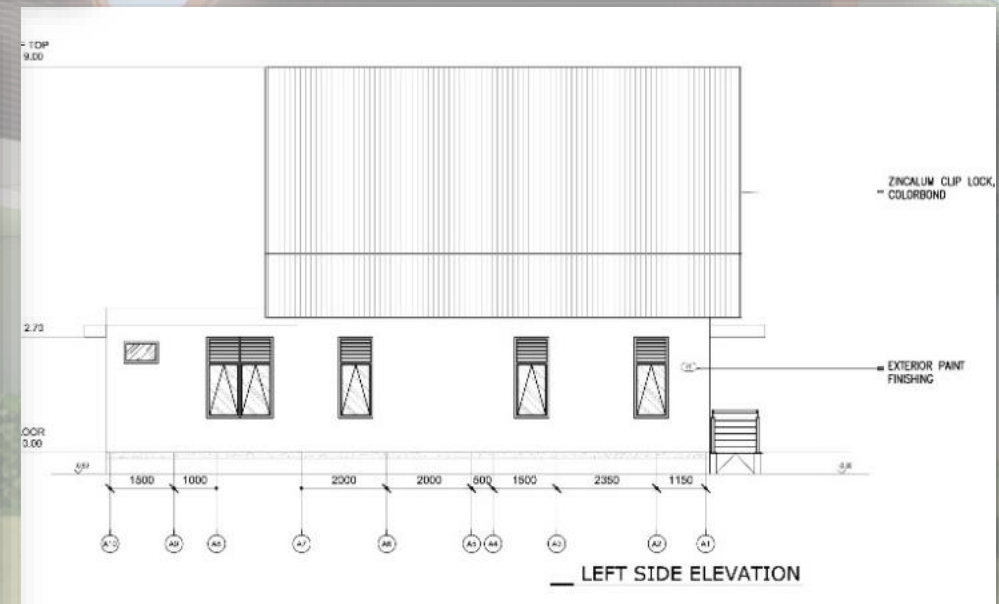
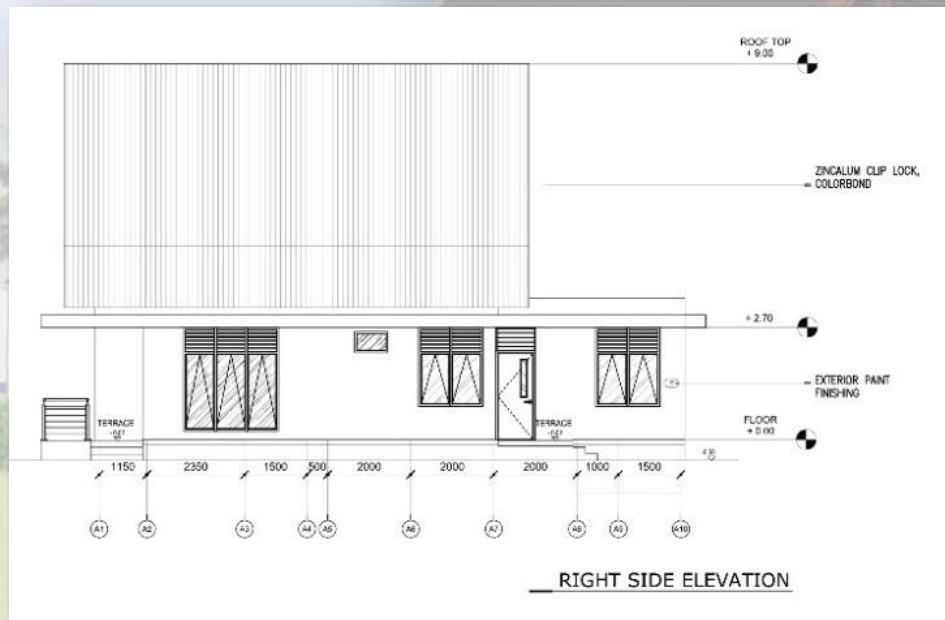
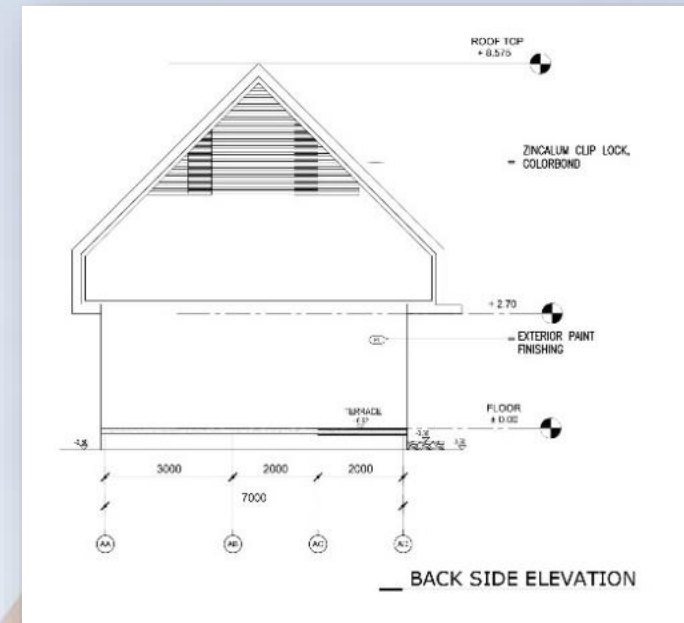
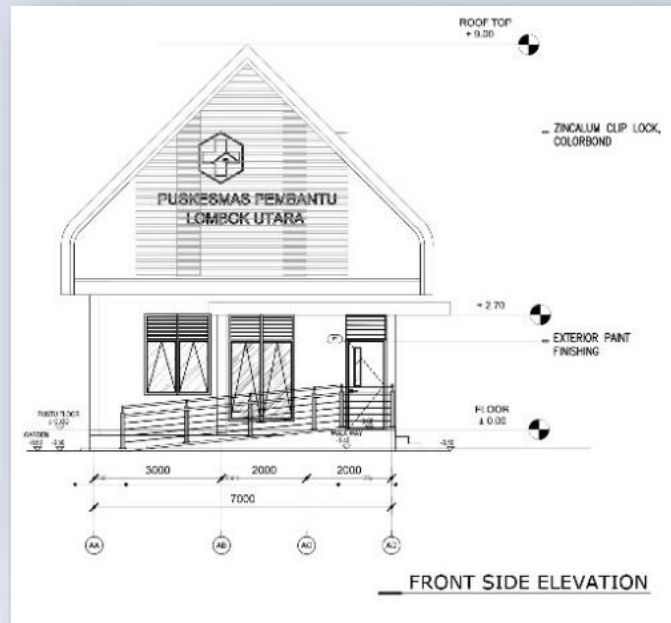




FLOOR AREA

No	FLOOR AREA SCHEDULE	AREA (m ²)	AMOUNT	TOTAL AREA (m ²)
1	Pustu			
	- Terrace	4,6	1	4,6
	- Administration Room	15,4	1	15,4
	- Examination Room	10,5	1	10,5
	- Drug Warehouse	6	1	6
	- RKIA	12	1	12
	- Difabled Toilet	5	1	5
	- Lactation Room	4	1	4
	- Terrace	4	1	4
	- Staff House	10	1	10
	- Bedroom	7,5	1	7,5
	- Toilet Staff	3	1	3
	- Corridor	11	1	11
2	Doctor's Houses			
	- Terrace	3,25	1	3,25
	- Living Room	6,25	1	6,25
	- Kitchen Room	5,25	1	5,25
	- Bedroom	9	1	9
	- Doctor's Toilet	3	1	3
3	Ramp	4,2	1	4,2
			TOTAL	123,95

PUSTU ELEVATION





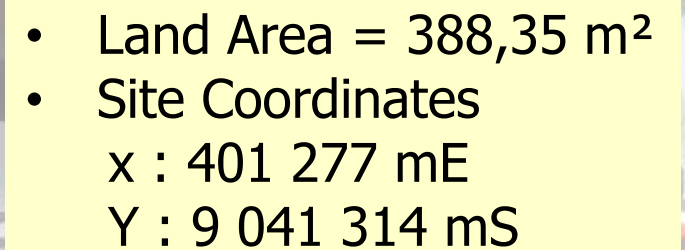
PUSTU GAPUK

Gerung Sub District, Gapuk Village

EXISTING SITE CONDITIONS

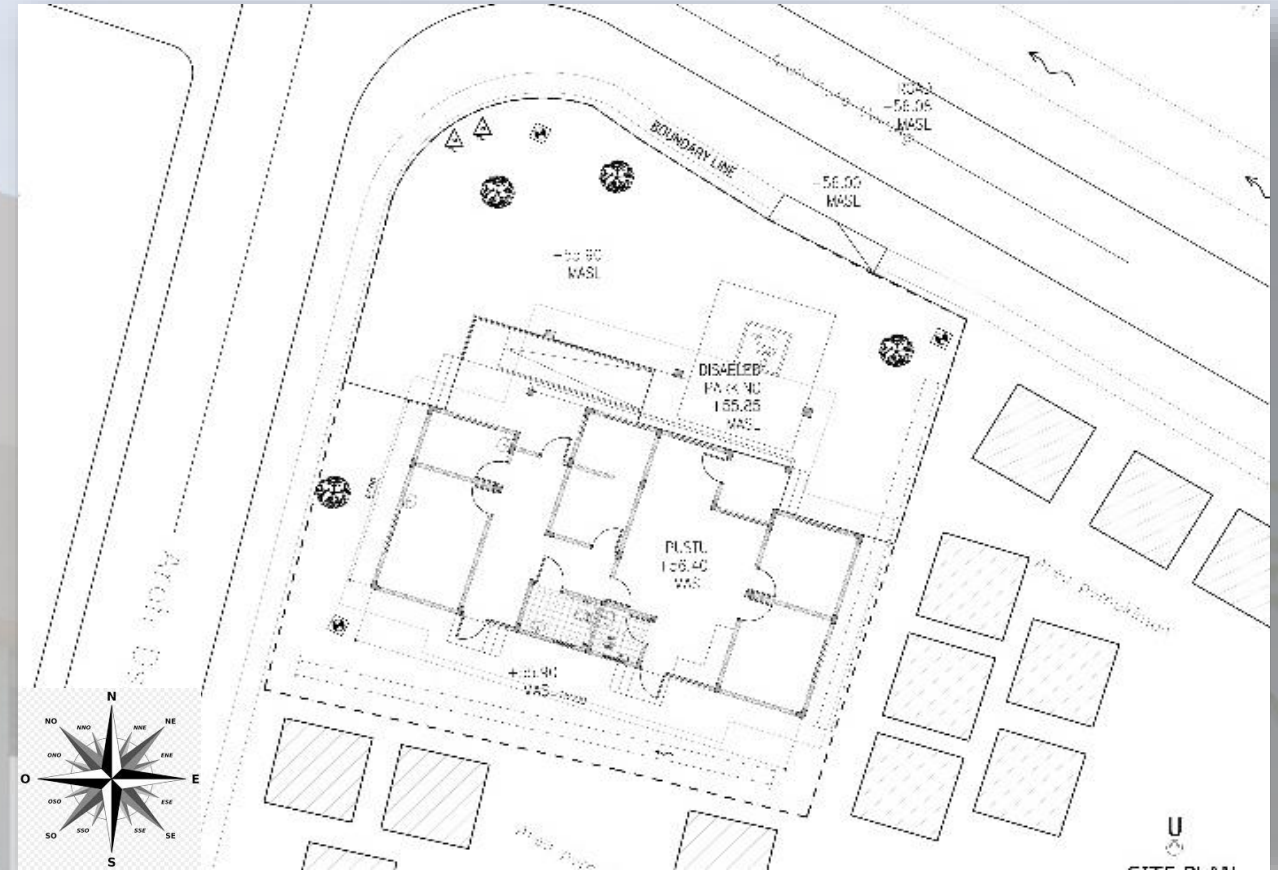
- North : Settlement area
- South : Settlement area
- East : Road
- West : Street
- Pustu Building still exist but are no longer suitable for use because the condition of building in some place has been damaged by earthquake
- The fence is good because it has just been built
- The site is below the road level (± 20 cm)
- Environmental drainage & sanitation in the site is not available.
- Clean Water Source : PDAM
- Electric power capacity, 450 VA





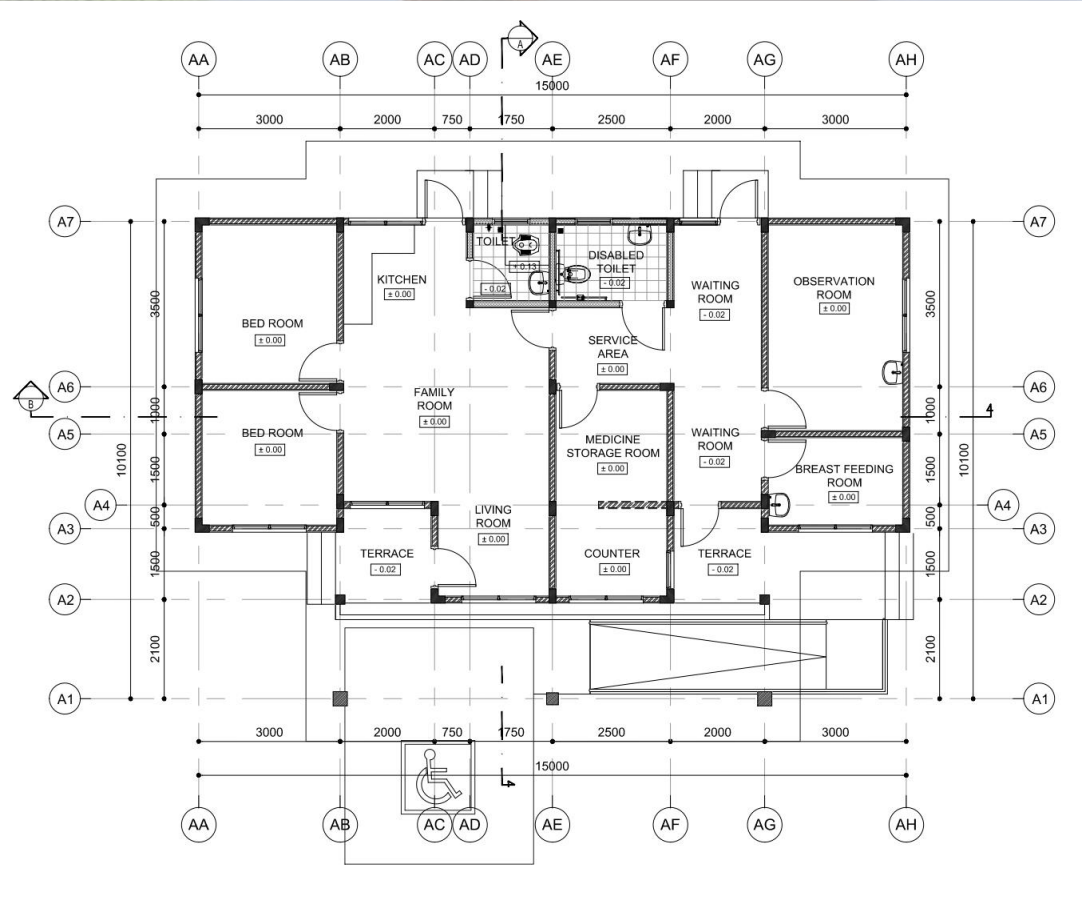
FLOOR AREA

No	FLOOR AREA SCHEDULE	AREA (m ²)	AMOUNT	TOTAL AREA (m ²)
1	waitting room	12,00	1	6,00
2	Counter	5,00	1	5,00
3	observation room	9,00	1	9,00
4	breast feeding room	6,00	1	6,00
5	service area	4,37	1	4,37
6	medicine storage room	6,25	1	6,25
7	living room	5,00	1	5,00
8	family room	17,21	1	17,21
9	Kitchen	5,98	1	5,98
10	bedroom 1	9,00	1	9,00
11	bedroom 2	10,50	1	10,50
12	terrace 1& 2	29,00	1	29,00
13	Toilet	3,06	1	3,06
14	disabled toilet	4,38	1	4,38
15	Ramp	11,81	1	11,81
			TOTAL	132,57

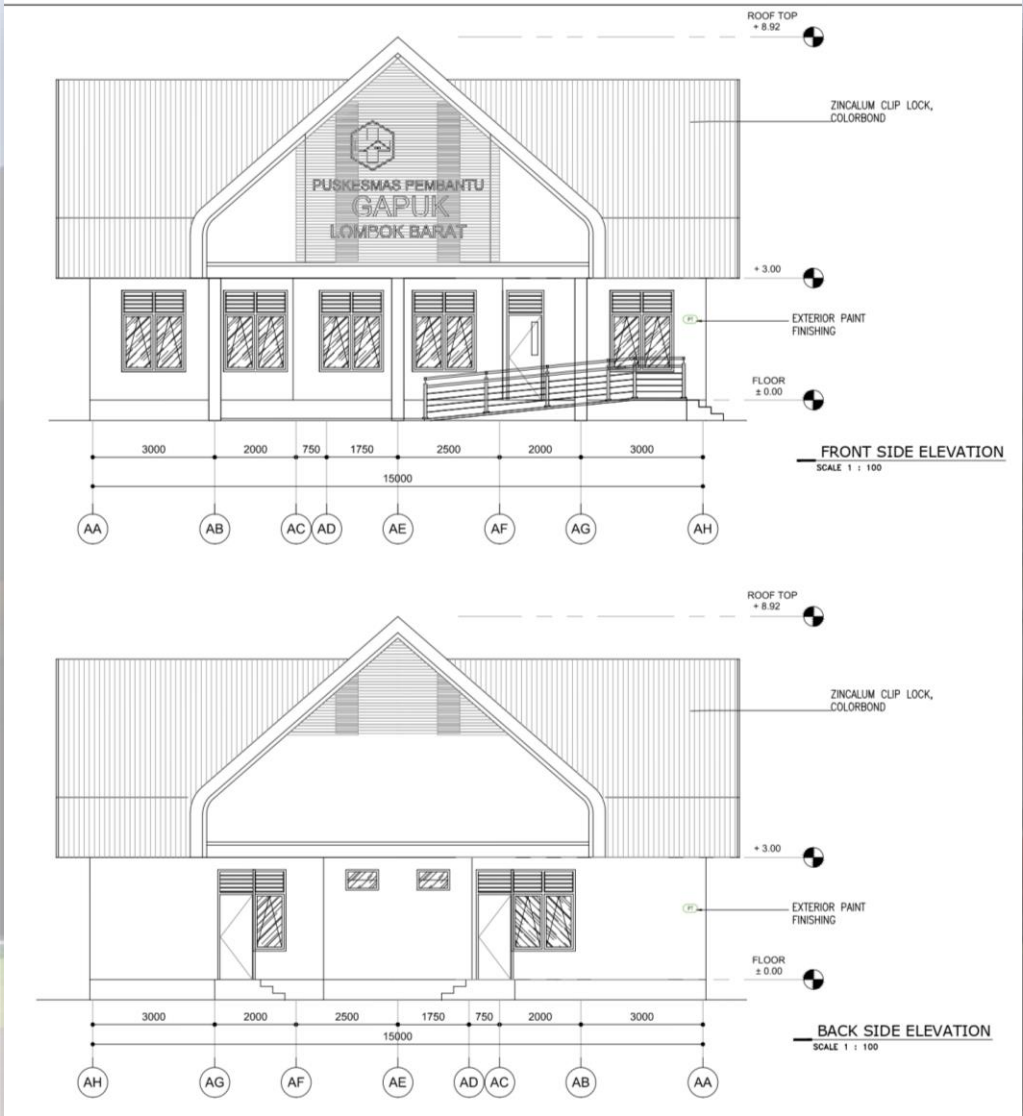


SITE PLAN

FLOOR PLAN



ELEVATION





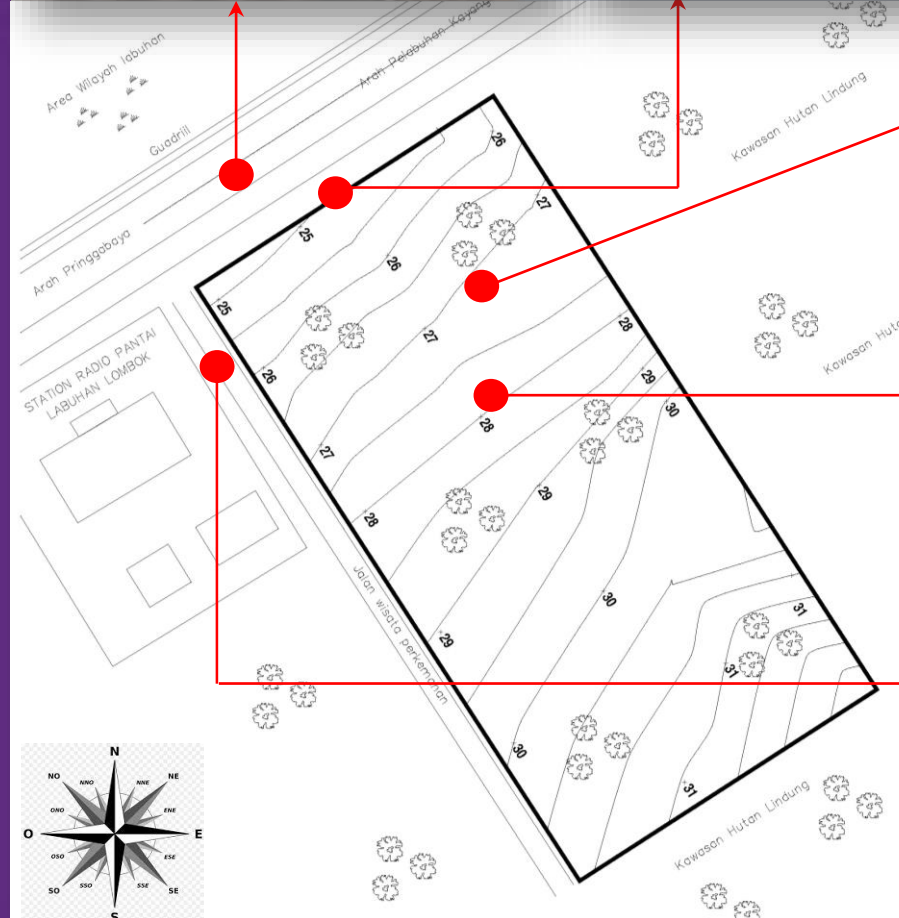
PUSKESMAS

LABUHAN LOMBOK

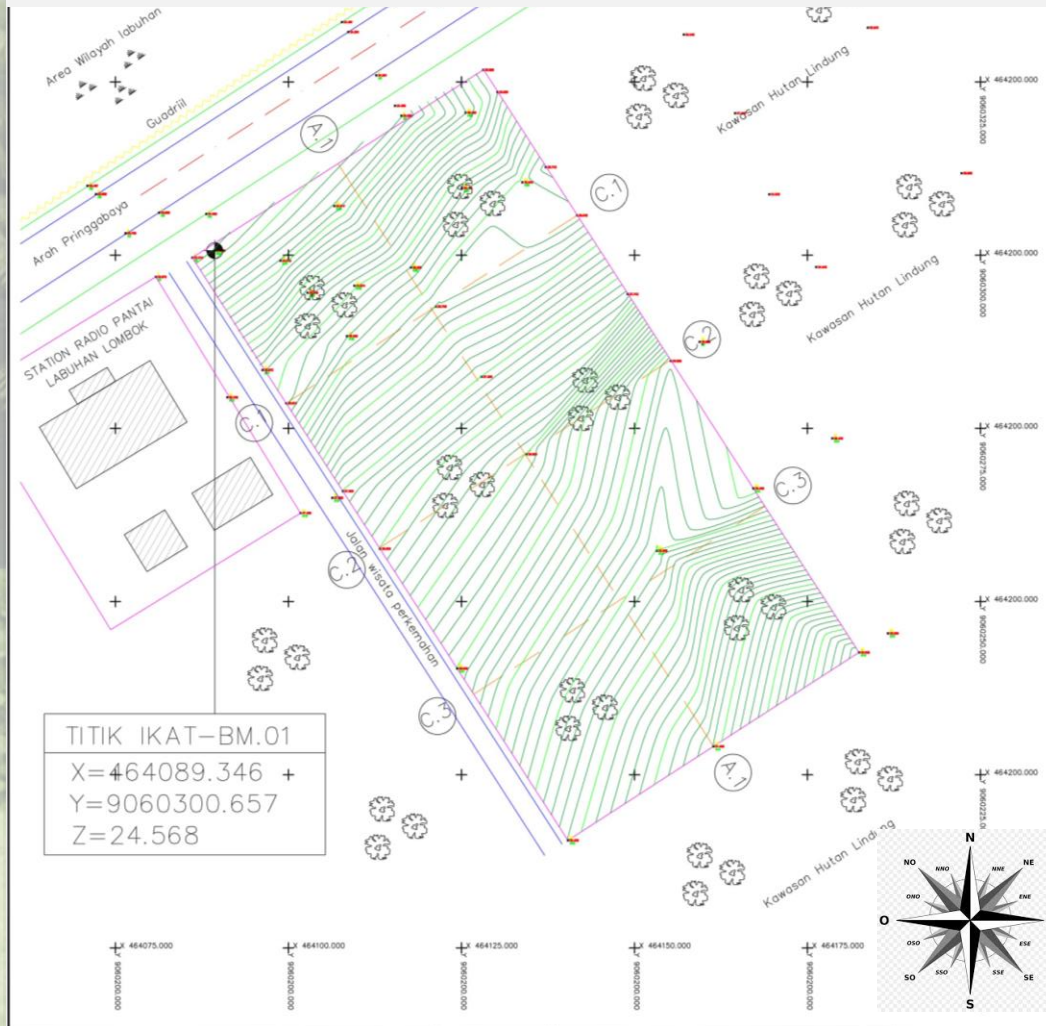
Pringgabaya Sub District, Labuhan Lombok Village

EXISTING SITE CONDITIONS

- North : Road to Pringgabaya
- South : Conservation forest
- East : Conservation forest
- West : Sidewalk
- Is an empty land that has not yet been developed and is a forest
- The land is countoured and is above the road level
- Clean Water source : PDAM



Topographic Measurements Results

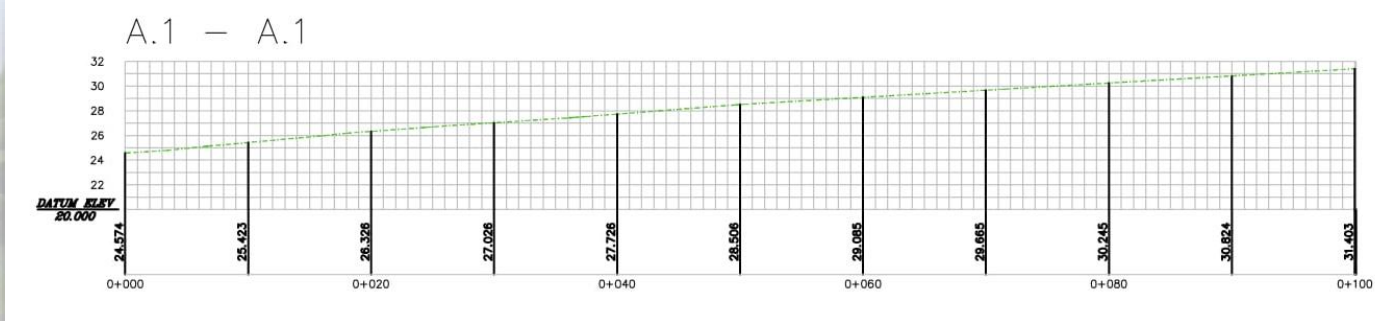


Puskesmas Pringgabaya				
Color	Range Beg.	Range End	Percent	Area
Red	24.00	26.00	17.2	863.57
Yellow	26.00	28.00	27.7	1393.88
Green	28.00	30.00	26.7	1341.31
Cyan	30.00	32.00	28.5	1432.87
Blue	32.00	34.00	0.0	0.00

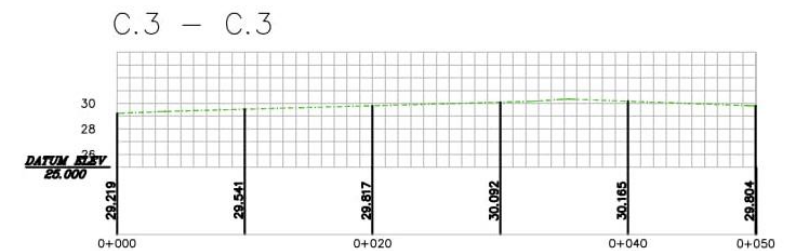
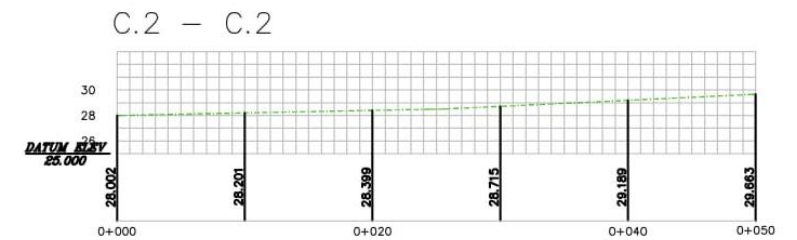
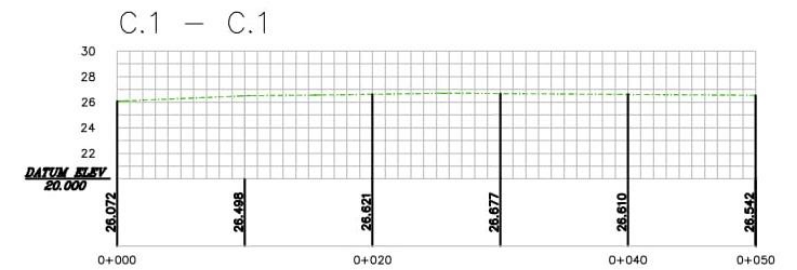
- Land Area = 5.010 m²
- Site Coordinates
x : 464 103 mE
Y : 9 060 318 mS

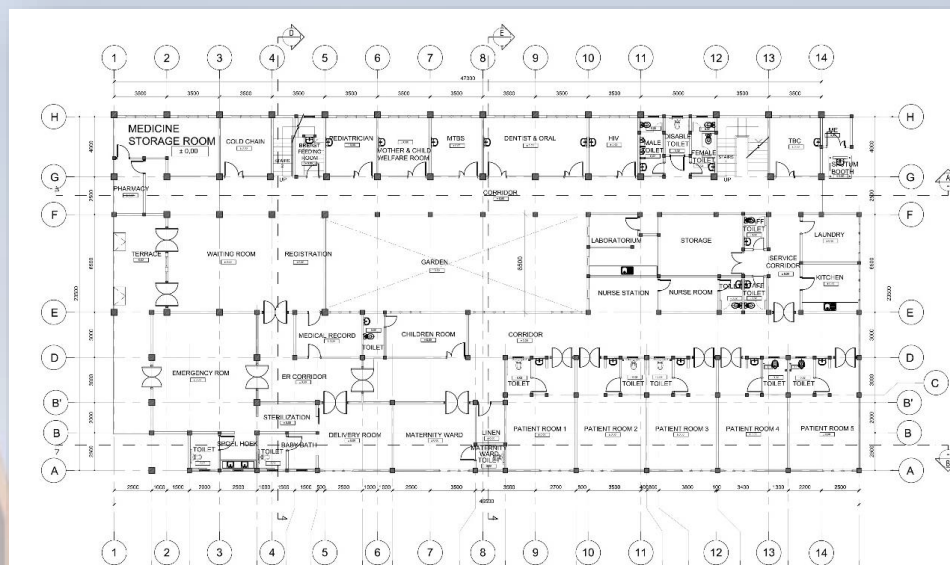
Cross Section

Horizontal Section

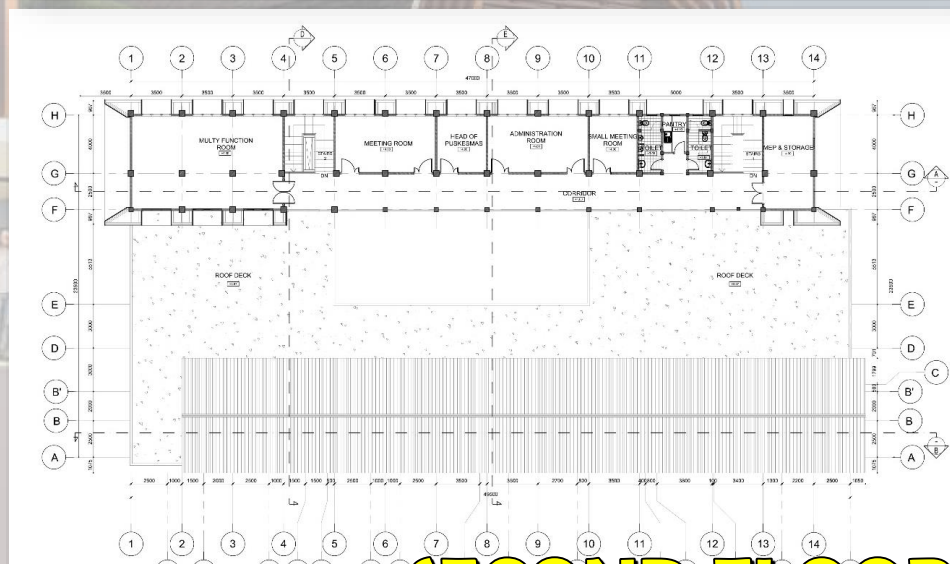


Vertical Section





FIRST FLOOR



SECOND FLOOR

PACKAGE 2

SCHOOL BUILDINGS





PROJECT LOCATION

DISTRICT OF NORTH
LOMBOK

SMK NEGERI 1
PEMENANG

SMK NEGERI 1
TANJUNG

SMK NEGERI 1
GANGGA

SMK NEGERI 1
KAYANGAN

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Data SIO, NOAA, U.S. Navy, NGA, GEBCO

8015'44.26

SMK NEGERI 1 PEMENANG

Pemenang Sub District, Pemenang Village

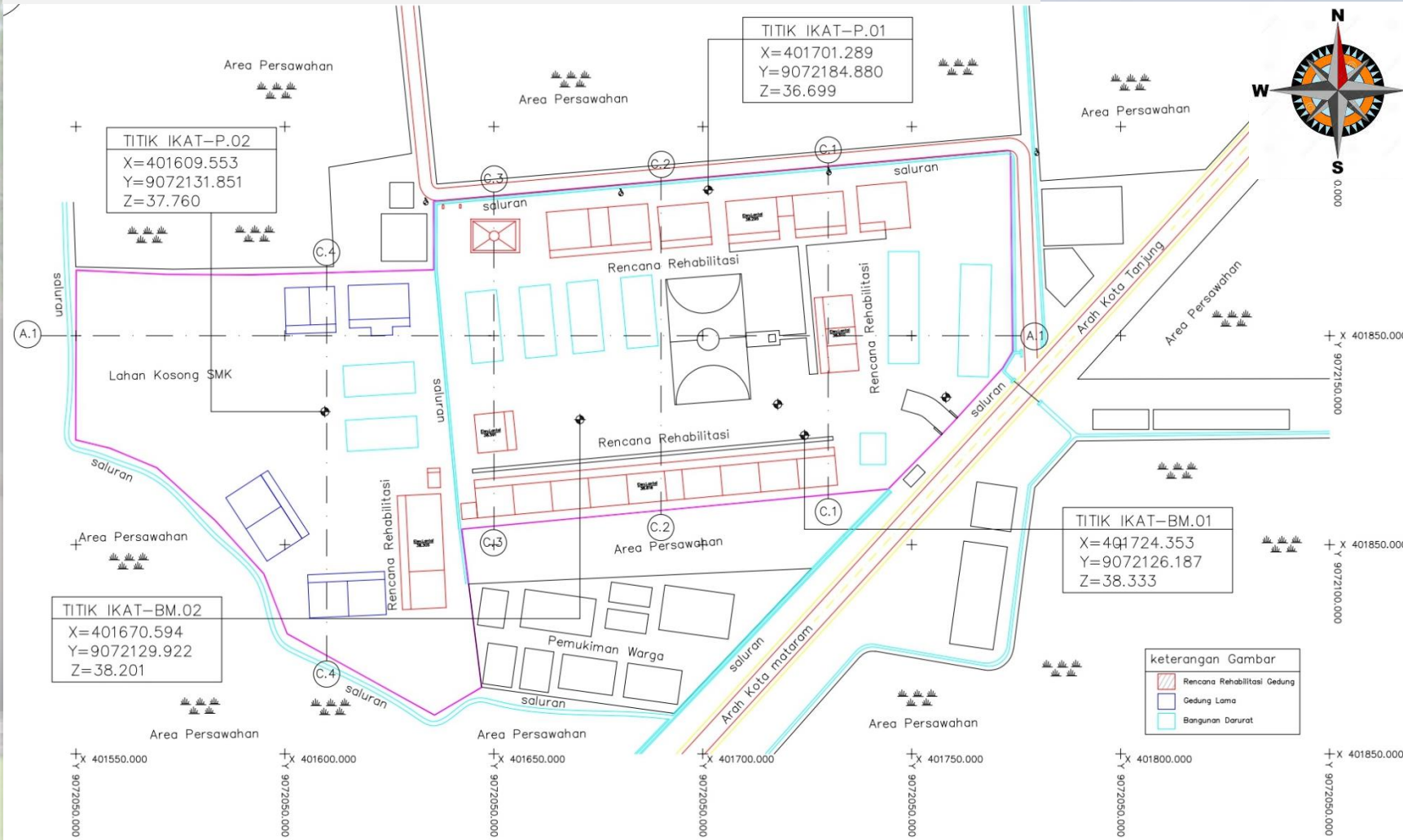


EXISTING SITE CONDITIONS

- North : Paddy field
- South : Main road
- East : Access road and settlement area
- West : Paddy field
- Some school building were heavily damaged and temporary buidings.
- The site is under the level of the road (50 – 120 cm).
- The school fences are missing and the rest area heavily damage by earthquake.
- Drainage around the site is problematic and not yet available.
- Clean Water Source : PDAM & wells
- Electric power capacity : 3000 VA, 11000 VA



Topographic Measurements Results

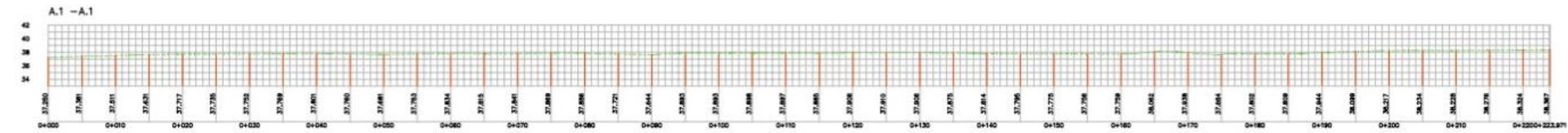


	Range Beg.	Range End	Percent	Area
■	37.00	37.60	12.5	2108.28
■	37.60	38.00	60.8	10294.06
■	38.00	38.00	0.0	0.00
■	38.00	39.00	26.7	4515.57
■	39.00	40.00	0.0	0.00

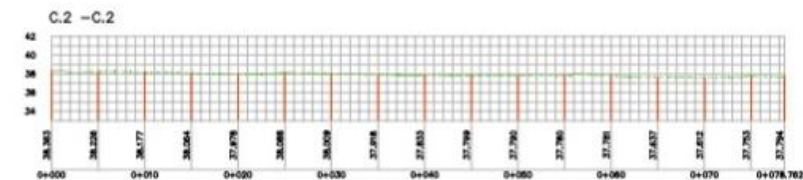
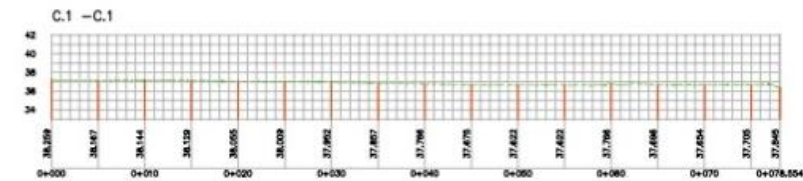
- Land Area = 16.980 m²
- Site Coordinates
x : 401 706 mE
Y : 9 072 125 mS

Cross Section

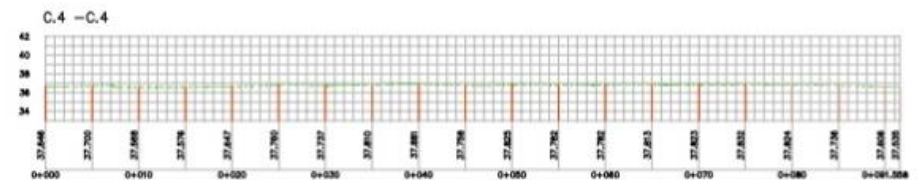
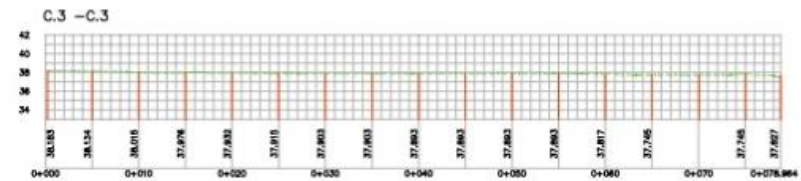
Horizontal Section



Vertical Section



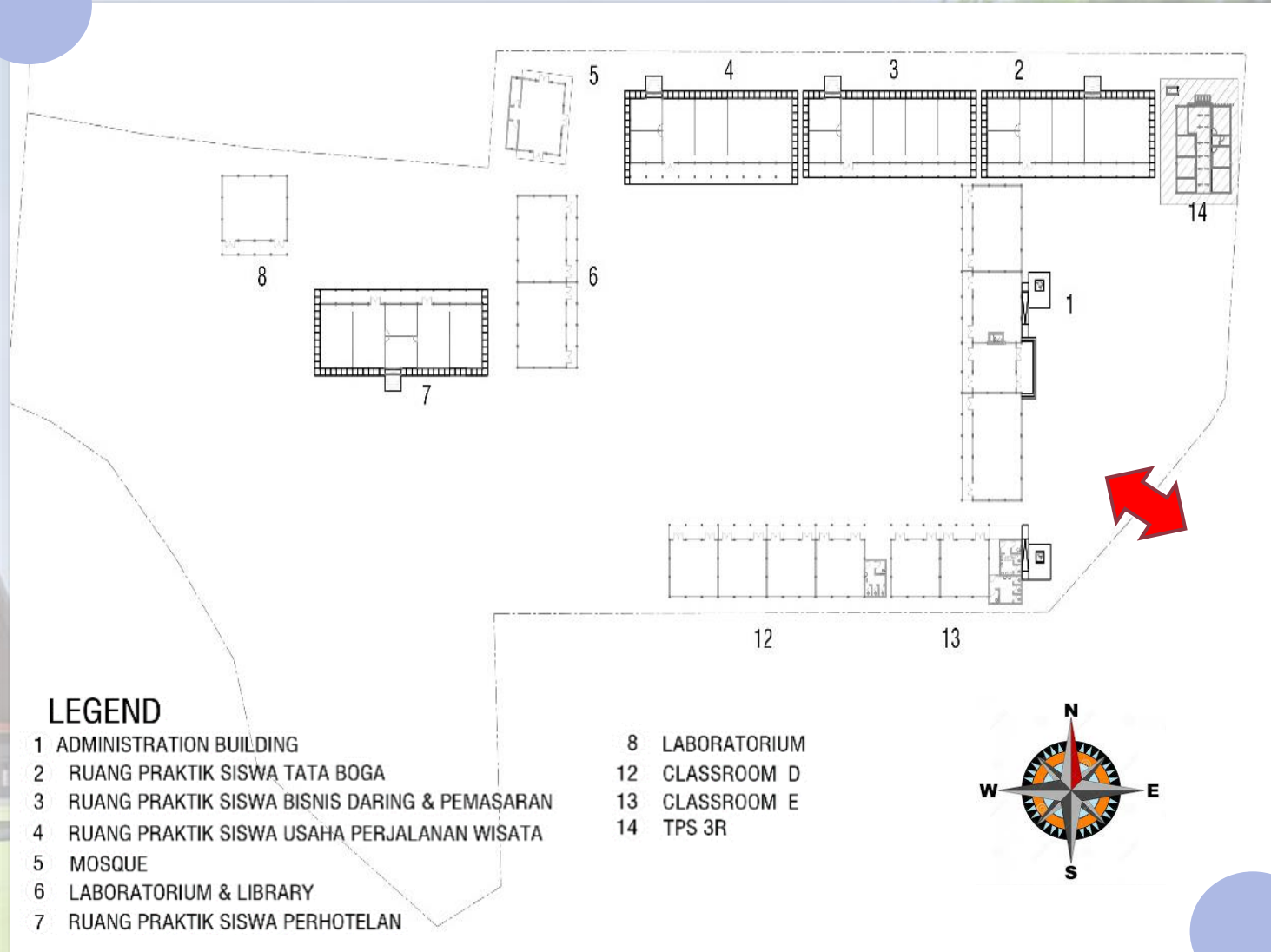
Vertical Section



FLOOR AREA

SMK NEGERI 1 PEMENANG

No.	NAMA GEDUNG	AREA (M ²)	JUMLAH	TOTAL AREA (M ²)
		LUAS RUANG		
1.	Gedung Administrasi			
	• Lobby	49,00	1	49,00
	• Ruang Kepala sekolah	90,00	1	90,00
	• Ruang Guru	135,00	1	135,00
	• Ruang Administrasi	108,00	1	108,00
	• Selasar	98,00	1	98,00
2.	RPS Tata Boga	270,00	1	270,00
	Selasar	60,00	1	60,00
3.	RPS Bisnis Daring & Pemasaran	270,00	1	270,00
	Selasar	60,00	1	60,00
4.	RPS Usaha Perjalanan Wisata	270,00	1	270,00
	Selasar	60,00	1	60,00
5.	RPS Perhotelan	270,00	1	270,00
	Selasar	60,00	1	60,00
6.	Mesjid	100,00	1	100,00
	Selasar	35.15	1	35.15
7.	Laboratorium & Perpustakaan			
8.	• Laboratorium	108,00	1	108,00
	• Perpustakaan	108,00	1	108,00
	• Selasar	32,00	1	32,00
9.	Laboratorium	108,00	1	108,00
	Selasar	24,00	1	24,00
10.	Ruang Kelas D			
	• Ruang Kelas	72,00	4	288,00
	• Toilet Murid Wanita	24,00	1	24,00
	• Selasar	78,00	1	78,00
11.	Ruang Kelas E			
	• Ruang Kelas	72,00	2	144,00
	• Toilet Guru Pria	20,00	1	20,00
	• Toilet Guru Wanita	24,00	1	24,00
	• Selasar	42,00	1	42,00
12.	Ramp	11,80	2	23,60
13.	TPS 3R			
	• Kantor, Gudang dan Tempat Pemilahan	61,75	1	61,75
	• Ramp	6,25	1	6,25
TOTAL LUAS BANGUNAN				3.024,75



SITE PLAN



SMK NEGERI 1 TANJUNG

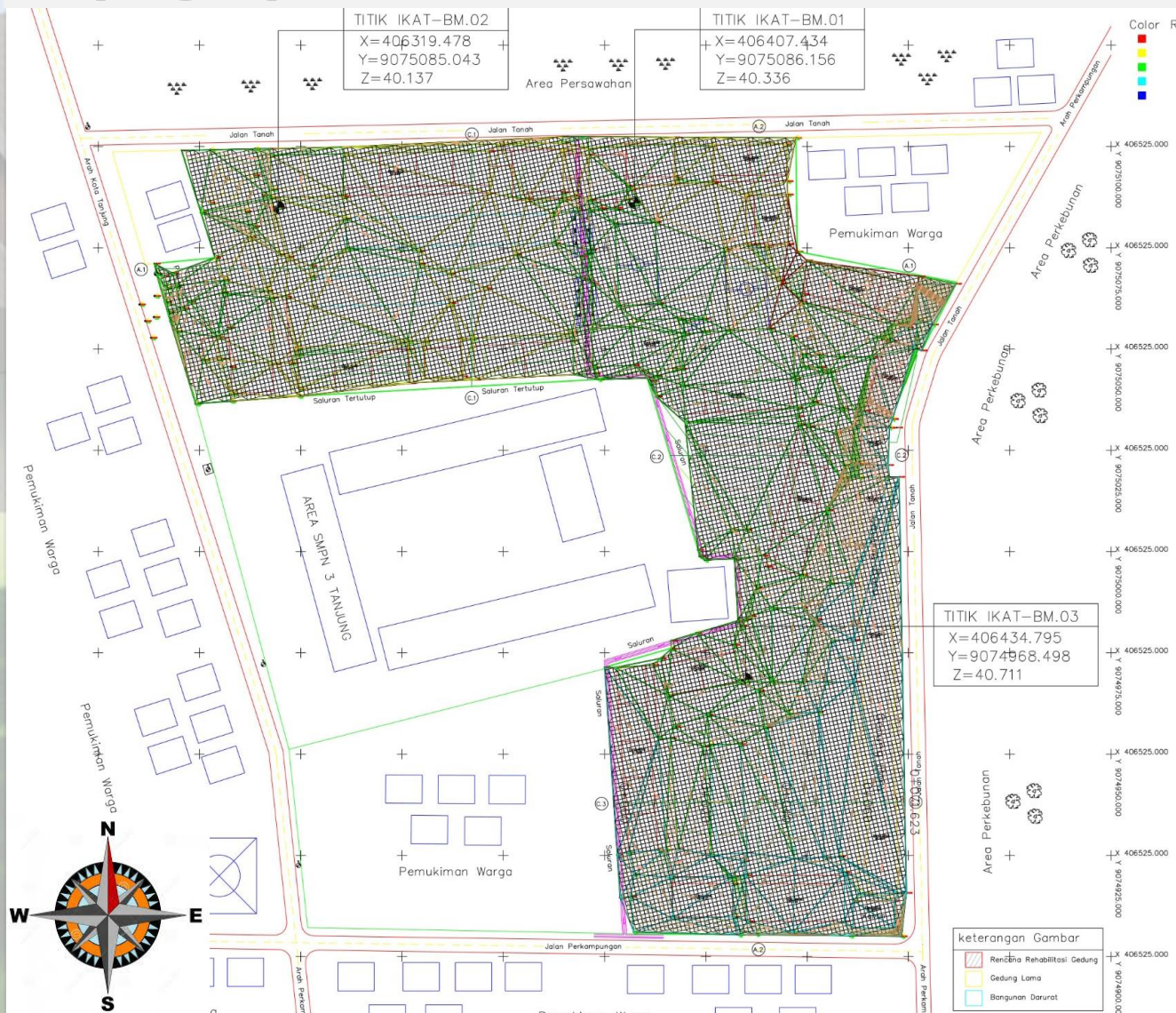
Tanjung Sub District, Sokong Village






EXISTING SITE CONDITIONS

- North : Street
- South : Paddy field
- East : Plantation area
- West : Road to Tanjung
- Some buildings were severely damaged
- The site is below the level of the road.
- Drainage around the site is problematic and not yet available, so there is a puddle of water when it rains.
- The toilet is inadequate and part of the fence is 80% heavily damaged
- Parking, Ceremony field and sports field are slightly damaged
- Clean Water Source : PDAM & wells
- Electric power capacity : 16500 VA



Topographic Measurements Results

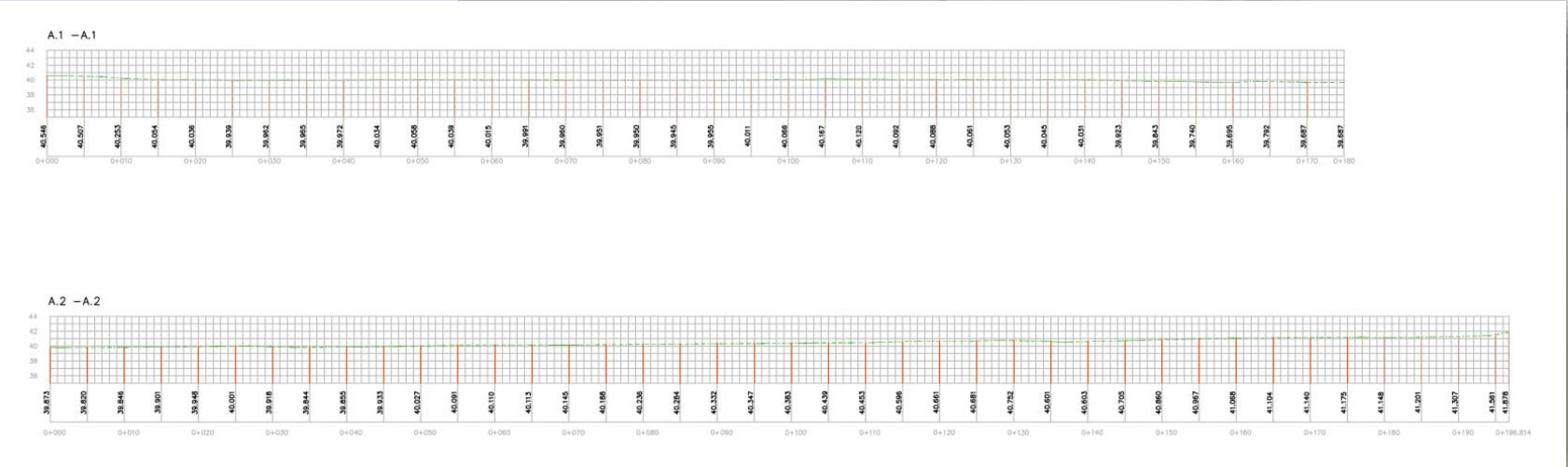


SMKN 1 TANJUNG				
Color	Range	Beg.	Range End	Percent
		39.00	39.80	0.7
		39.80	40.00	28.8
		40.00	41.00	45.3
		41.00	42.00	25.2
		42.00	43.00	0.0

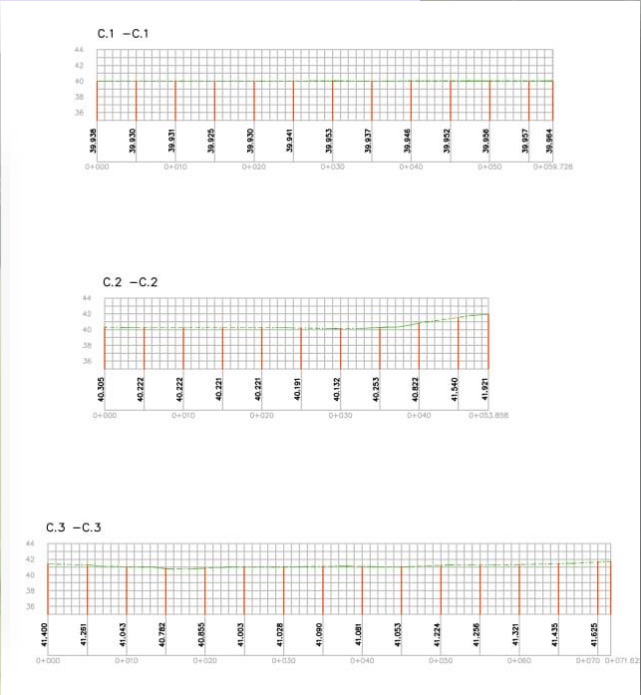
- Land Area = 18.460 m²
- Site Coordinates
x : 406 488 mE
Y : 9 074 949 mS

Cross Section

Horizontal Section



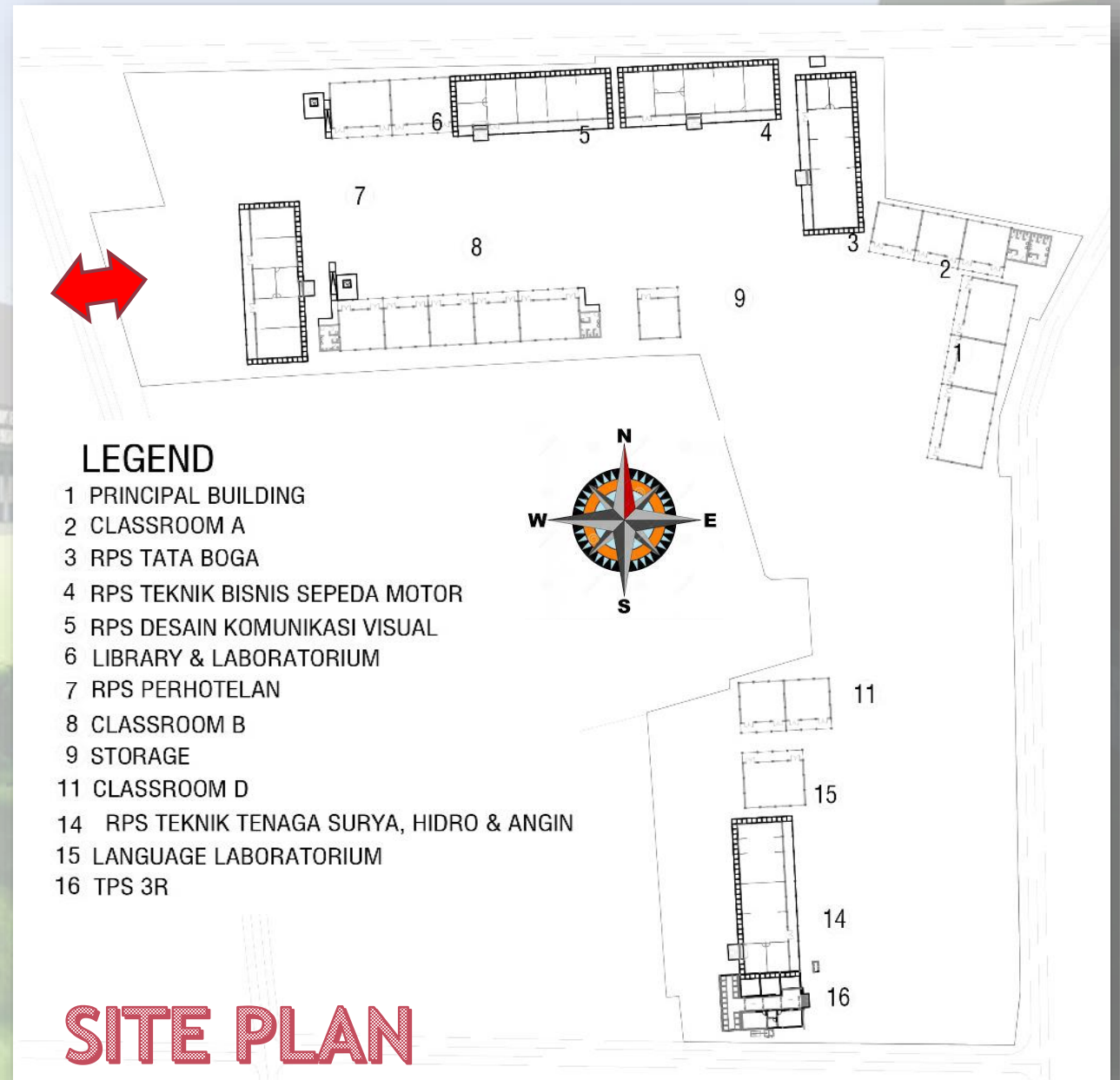
Vertical Section



FLOOR AREA

SMK NEGERI 1 TANJUNG

NO.	BUILDING NAMES	AREA (m2)	AMOUNT	TOTAL AREA (m2)
		ROOM AREA		
1	Principal Building			
	• - Teachers Room	135.00	1	135.00
	• - Principals Room	90.00	1	90.00
	• - Administration room	108.00	1	108.00
	• Corridor	72.00	1	72.00
2	Classroom A			
	• Classroom	72.00	2	144.00
	• - Osis & BK	72.00	1	72.00
	• - Male Teachers Toilet	20.00	1	20.00
	• - Female Teachers Toilet	24.00	1	24.00
	• Corridor	54.00	1	54.00
3	RPS Cullinary Art	270.00	1	270.00
	• Corridor	60.00	1	60.00
4	RPS Motorcycle Business Engineering	270.00	1	270.00
	• Corridor	60.00	1	60.00
5	RPS Visual Communication Design	270.00	1	270.00
	• Corridor	60.00	1	60.00
6	Library & Laboratorium			
	• Library	108.00	1	108.00
	• Laboratorium	108.00	1	108.00
	• Corridor	48.00	1	48.00
7	RPS Hospitality	270.00	1	270.00
	• Corridor	60.00	1	60.00
8	Classroom B			
	• Classroom	72.00	1	72.00
	• Hall	96.00	1	96.00
	• Female Student Toilet	24.00	1	24.00
	• Male Student Toilet	20.00	1	20.00
	• Corridor	125.00	1	125.00
9	Storage	64.00	1	64.00
	• Corridor	16.00	1	16.00
11	Classroom D			
	• Classroom	72.00	1	72.00
	• Corridor	32.00	1	32.00
14	RPS Solar, Hydro & Wind Engineering	270.00	1	270.00
	• Corridor	60.00	1	60.00
15	Language Laboratorium	108.00	1	108.00
	• Corridor	24.00	1	24.00
16	Waste Treatment Plant- Reduce-Reuse-Recycle	68.00	1	68.00
	• Ramp	6.25	1	6.25
17	Ramp	11.80	2	23.60
			TOTAL	3,383.85



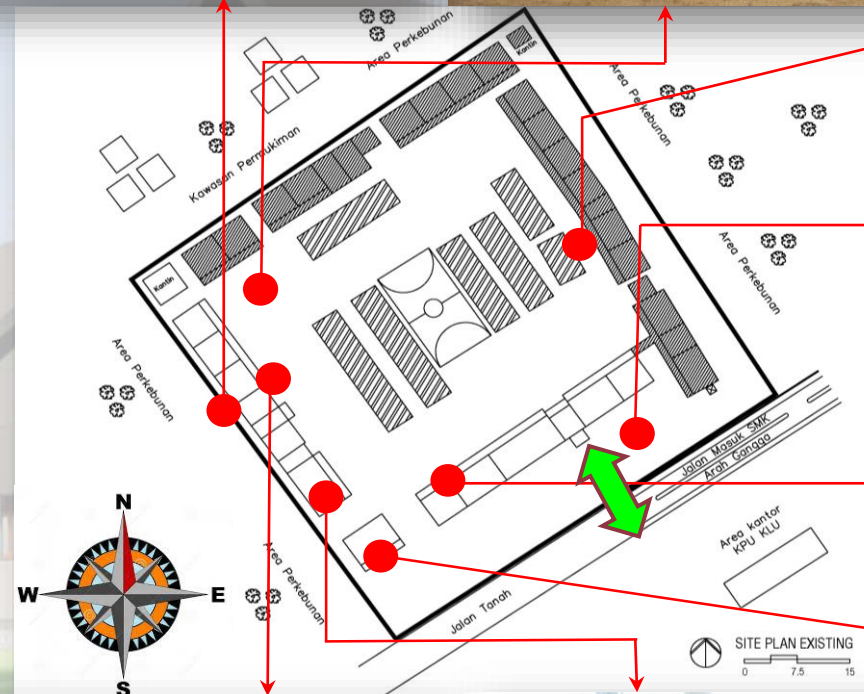


SMK NEGERI 1 GANGGA

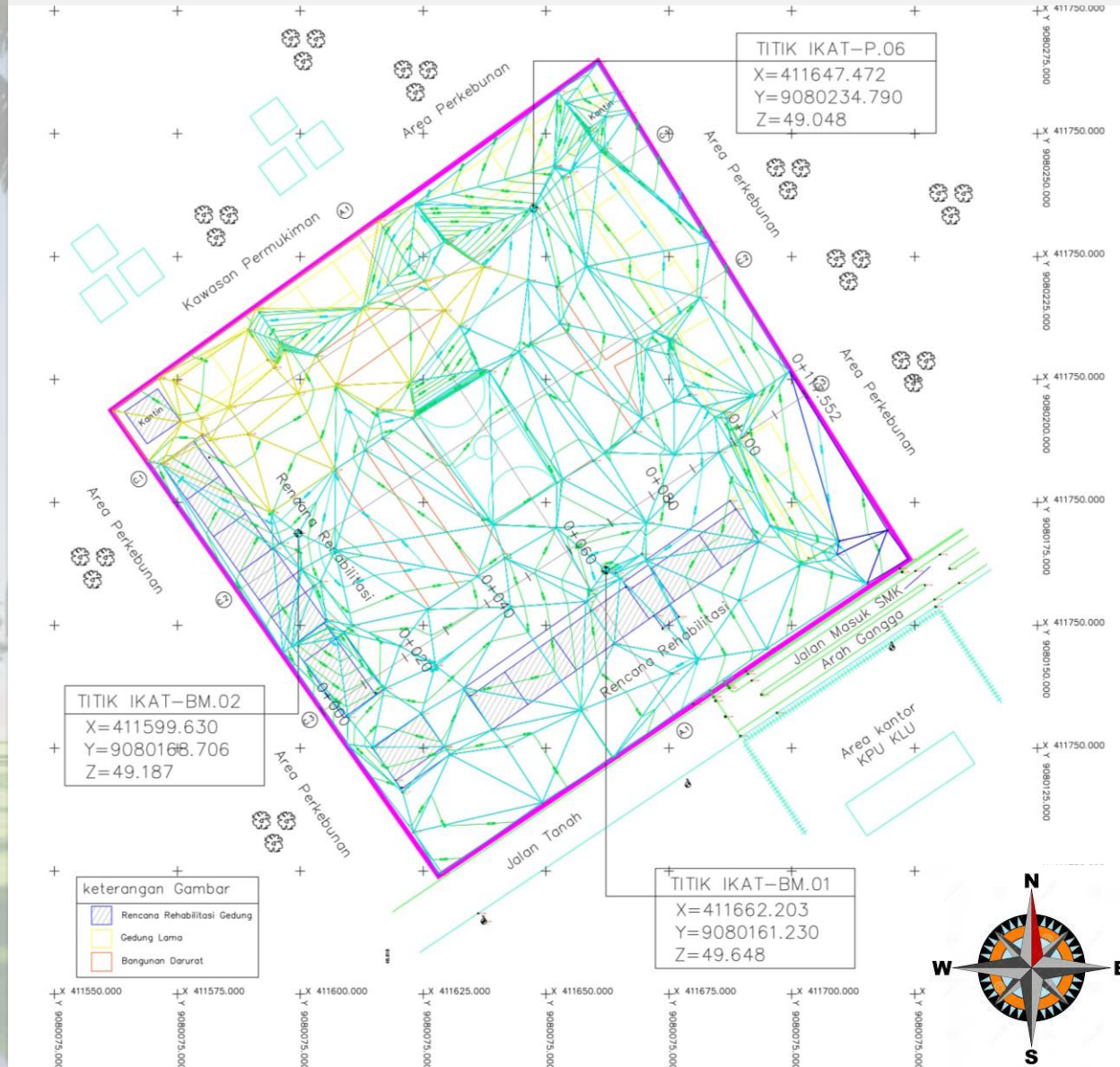
Gangga Sub District, Genggelang Village

EXISTING SITE CONDITIONS

- North : Settlement & Plantation
- South : Road
- East : Plantation area
- West : Plantation area
- The condition of the building to be reconstructed was heavily damaged or even destroyed.
- The site is below the level of the road.
- Drainage around the site is problematic and not yet available, so there is a puddle of water when it rains.
- The toilet is inadequate and part of the side fence is 70% damaged
- Ceremony field and sports field are slightly damaged
- Clean Water Source : PDAM & wells
- Electric power capacity : 15000 VA



Topographic Measurements Results

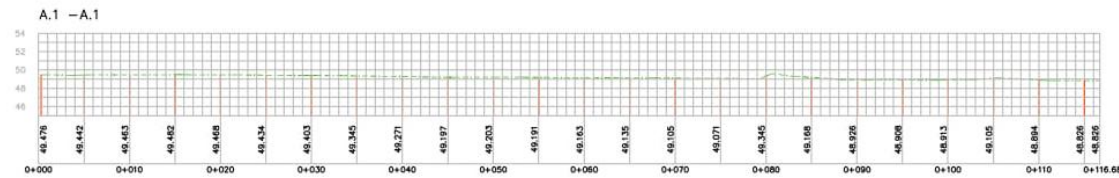


SMKN 1 GANGGA				
Color	Range Beg.	Range End	Percent	Area
Red	48.00	48.60	0.0	0.00
Yellow	48.60	49.00	14.6	2001.70
Green	49.00	49.00	0.0	0.00
Cyan	49.00	50.00	83.4	11461.75
Blue	50.00	51.00	2.0	275.68

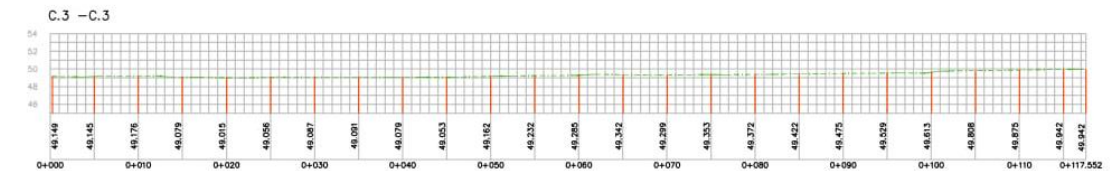
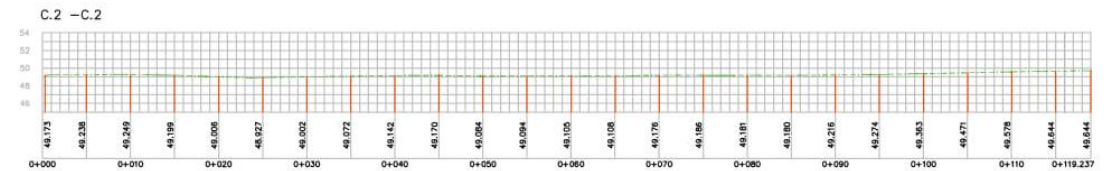
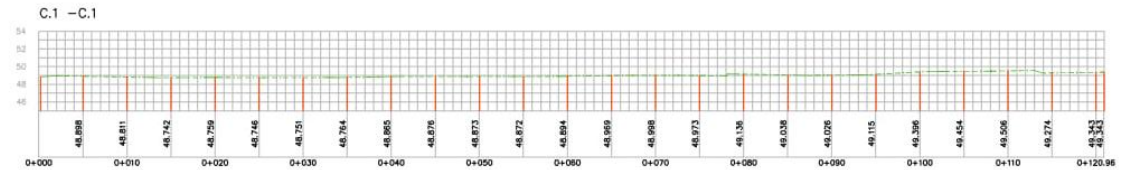
- Land Area = 13.960 m²
- Site Coordinates
x : 411 597 mE
Y : 9 080 159 mS

Cross Section

Horizontal Section



Vertical Section



FLOOR AREA

SMK NEGERI 1 GANGGA

NO.	BUILDING NAMES	AREA (m2)	AMOUNT	TOTAL AREA (m2)
		ROOM AREA		
1	Administration Building			
	• Library	108.00	1	108.00
	• Teachers Room	135.00	1	135.00
	• Lobby	49.00	1	49.00
	• Principals Room	90.00	1	90.00
	• Administration Room	108.00	1	108.00
	• Laboratorium	108.00	1	108.00
	• Male Teachers Toilet	20.00	1	20.00
	• Female Teachers Toilet	24.00	1	24.00
	• Corridor	144.00	1	144.00
2	RPS Modeling Design	270.00	1	270.00
	• Corridor	60.00	1	60.00
3	RPS Motorcycle Business Engineering	270.00	1	270.00
	• Corridor	60.00	1	60.00
4	RPS Electrical Power Engineering	270.00	1	270.00
5	Classroom A			
	• Classroom	72.00	3	216.00
	• Female Student Toilet	24.00	1	24.00
	• Corridor	54.00	1	54.00
7	Waste Treatment Plant-Reduce-Reuse-Recycle	61.75	1	61.75
	• Ramp	6.25	1	6.25
8	Ramp	11.80	2	23.60
			TOTAL	2,101.60

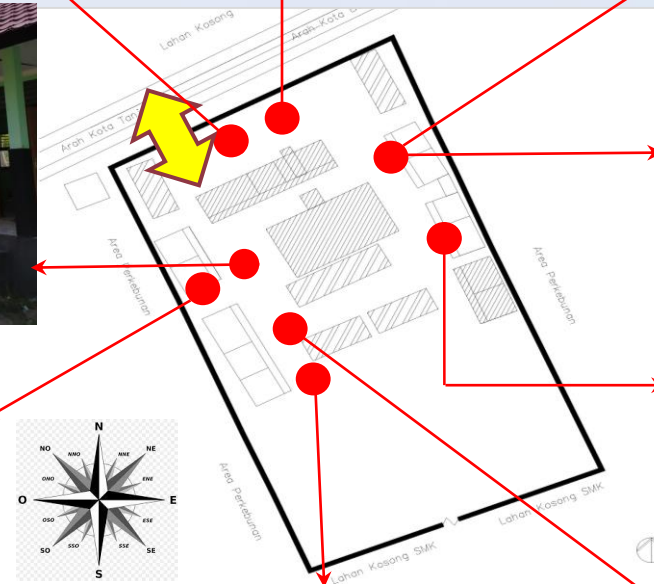


SMK NEGERI 1 KAYANGAN

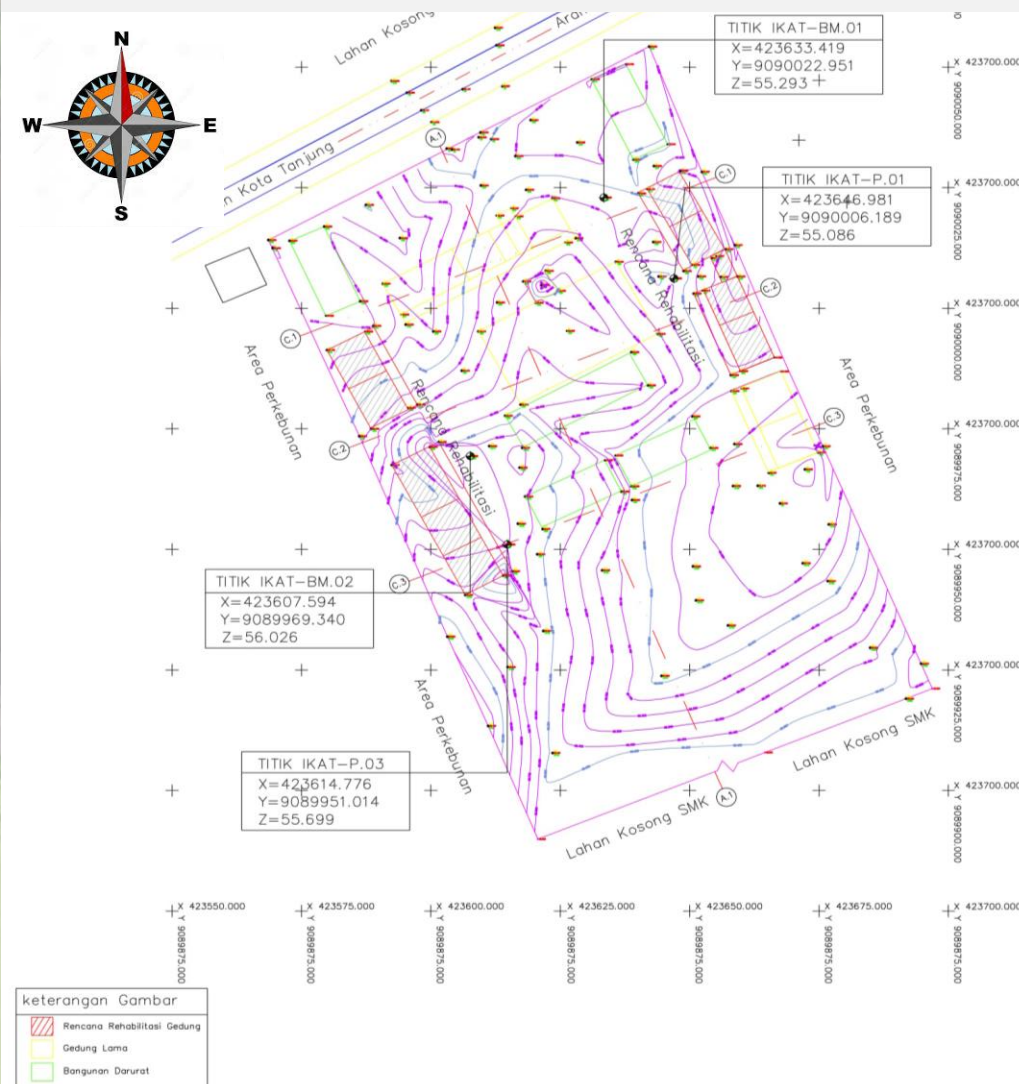
Kayangan Sub District, Kayangan Village

EXISTING SITE CONDITIONS

- North : Main Road
- South : Paddy field area
- East : Plantation area
- West : Plantation area
- The condition of the building to be reconstructed was heavily damaged or even destroyed.
- The site is below the level of the road.
- Drainage around the site is problematic and not yet available, so it often experiences floods.
- Clean Water Source : PDAM
- Electric power capacity : 12000 VA



Topographic Measurements Results

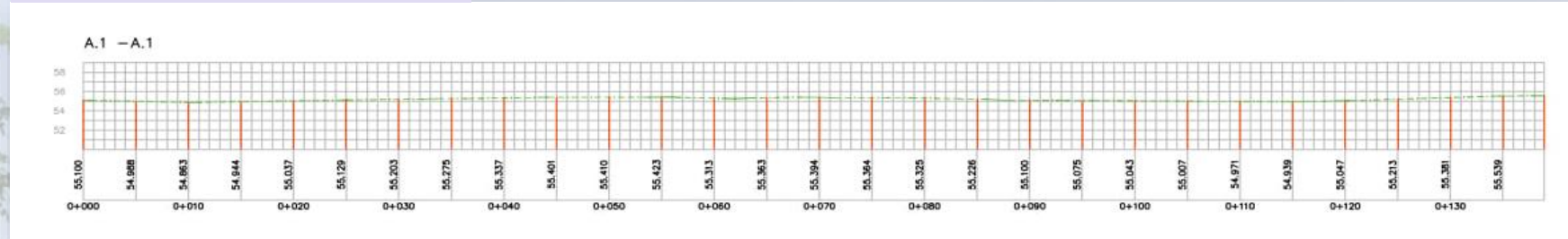


SMKN 1 KAYANGAN				
Color	Range Beg.	Range End	Percent	Area
Red	54.00	54.60	0.4	42.46
Yellow	54.60	55.00	36.9	4177.67
Green	55.00	55.00	0.0	0.00
Cyan	55.00	56.00	62.0	7018.07
Blue	56.00	57.00	0.7	83.03

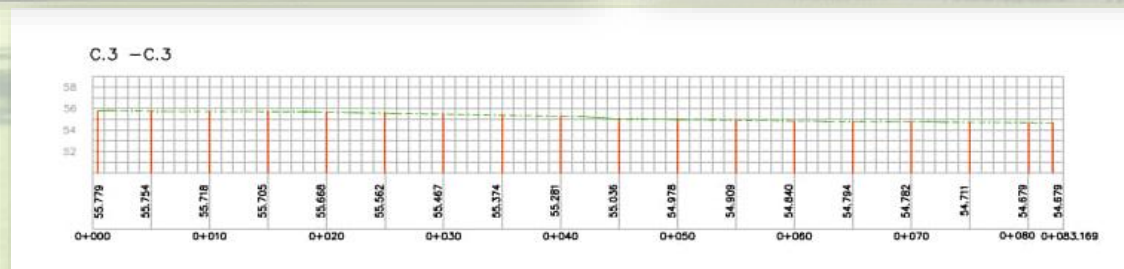
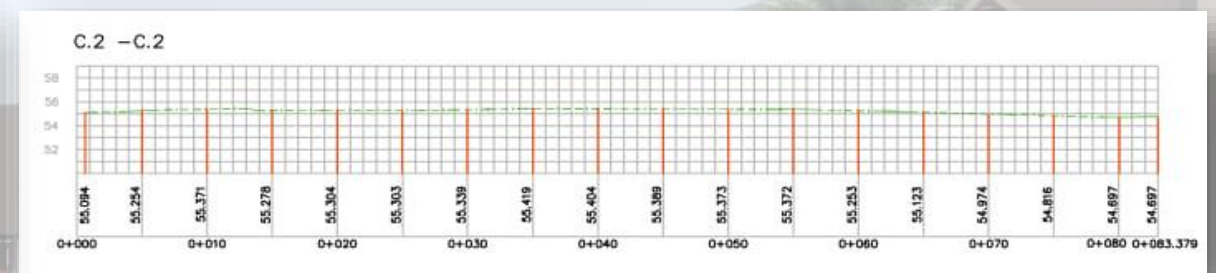
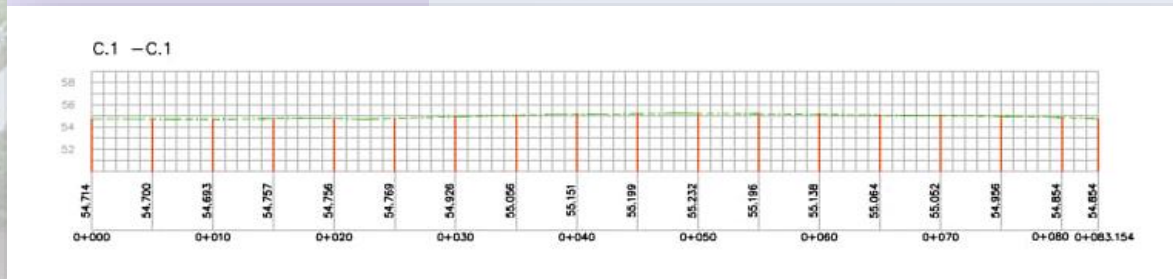
- Land Area = 11.460 m²
- Site Coordinates
x : 423 642 mE
Y : 9 089 999 mS

Cross Section

Horizontal Section

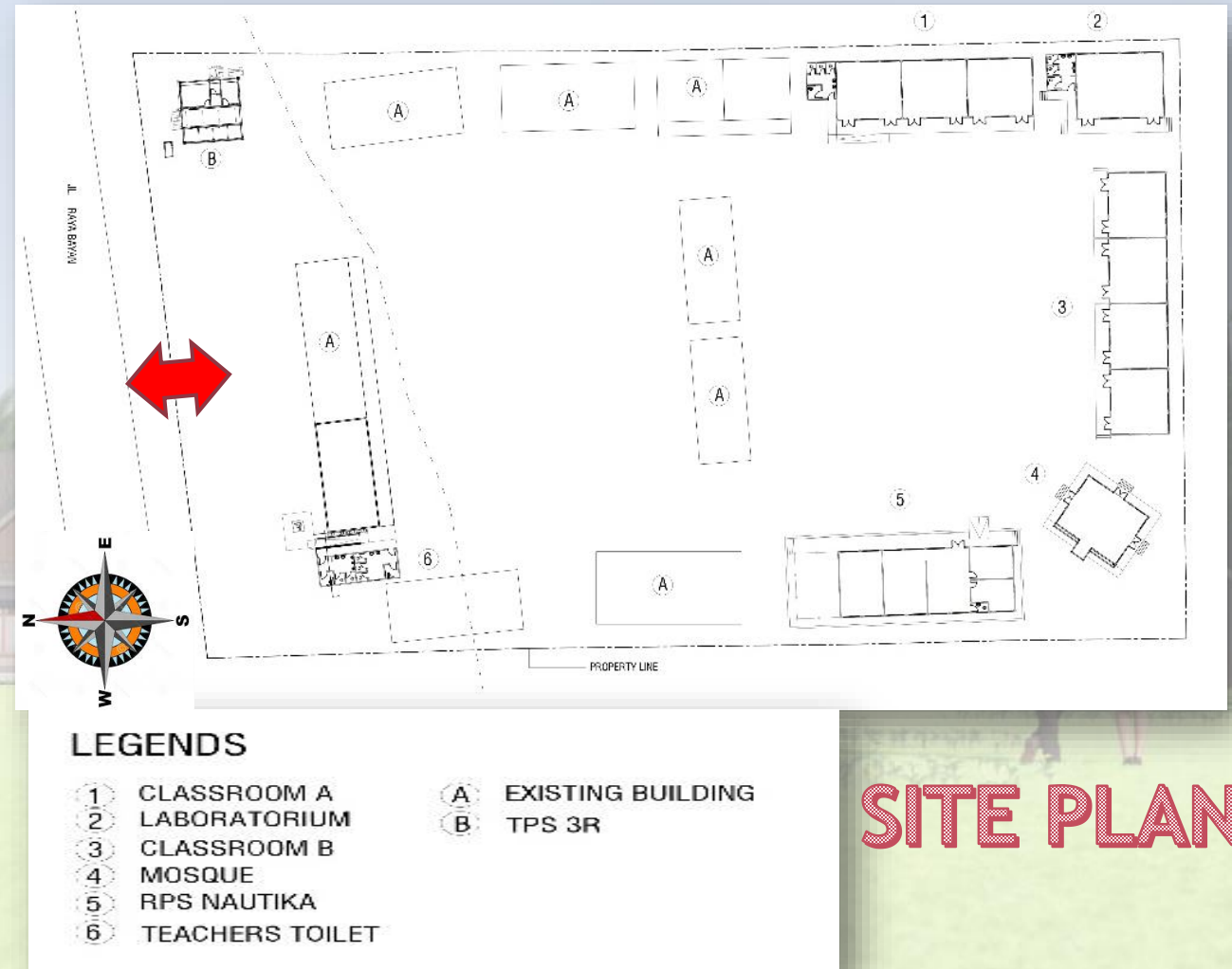


Vertical Section



FLOOR AREA

NO.	BUILDING NAMES	AREA (m2)	AMOUNT	TOTAL AREA (m2)
		ROOM AREA		
1	Classroom A			
	• Classroom	72.00	3	216.00
	• Female Student Toilet	24.00	1	24.00
	• Corridor	54.00	1	54.00
2	Laboratorium			
	• Laboratorium	108.00	1	108.00
	• Male Student Toilet	20.00	1	20.00
	• Corridor	24.00	1	24.00
3	Classroom B	72.00	4	288.00
	• Corridor	72.00	1	72.00
4	Mosque	100.00	1	100.00
	• Corridor	33.15	1	33.15
5	RPS Nautika	270.00	1	270.00
	• Corridor	60.00	1	60.00
6	Teachers Toilet			
	• Male Teachers Toilet	20.00	1	20.00
	• Female Teachers Toilet	24.00	1	24.00
	• Corridor	14.03	1	14.03
7	Waste Treatment Plant-Reduce-Reuse-Recycle	46.50	1	46.50
	• Ramp	6.25	1	6.25
8	Ramp for disable	11.80	2	23.60
	TOTAL			1,403.53



SITE PLAN



TERIMA KASIH

CONSULTING
SERVICE THE
DESIGN AND
CONSTRUCTION
SUPERVISION FOR
SCHOOL AND
MEDICAL
BUILDINGS IN
LOMBOK