

## 資料-8 概略設計図

THE PROJECT  
FOR  
RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS

REFERENCE DRAWINGS

CHIN STATE

DECEMBER 2018



JAPAN INTERNATIONAL COOPERATION AGENCY



YACHIYO ENGINEERING CO., LTD.



**NIPPON KOEI CO.,LTD.** NIPPON KOEI CO., LTD.

# DRAWINGS LIST

## ROAD

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11	PLAN & PROFILE OF ROUTE PA MUM CHAUNG (DOWNSTREAM)
12 · 13	CROSS SECTION OF ROUTE PA MUM CHAUNG (DOWNSTREAM) ( 1 ) · ( 2 )
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85	GENERAL ARRANGEMENT OF PIER (ZZ-BR1)
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88	GENERAL VIEW OF TZ-BR2
89	GENERAL VIEW OF TZ-BR3
90	GENERAL ARRANGEMENT OF ABUTMENT (TZ-BR3)
91	GENERAL VIEW OF ZN-BR1

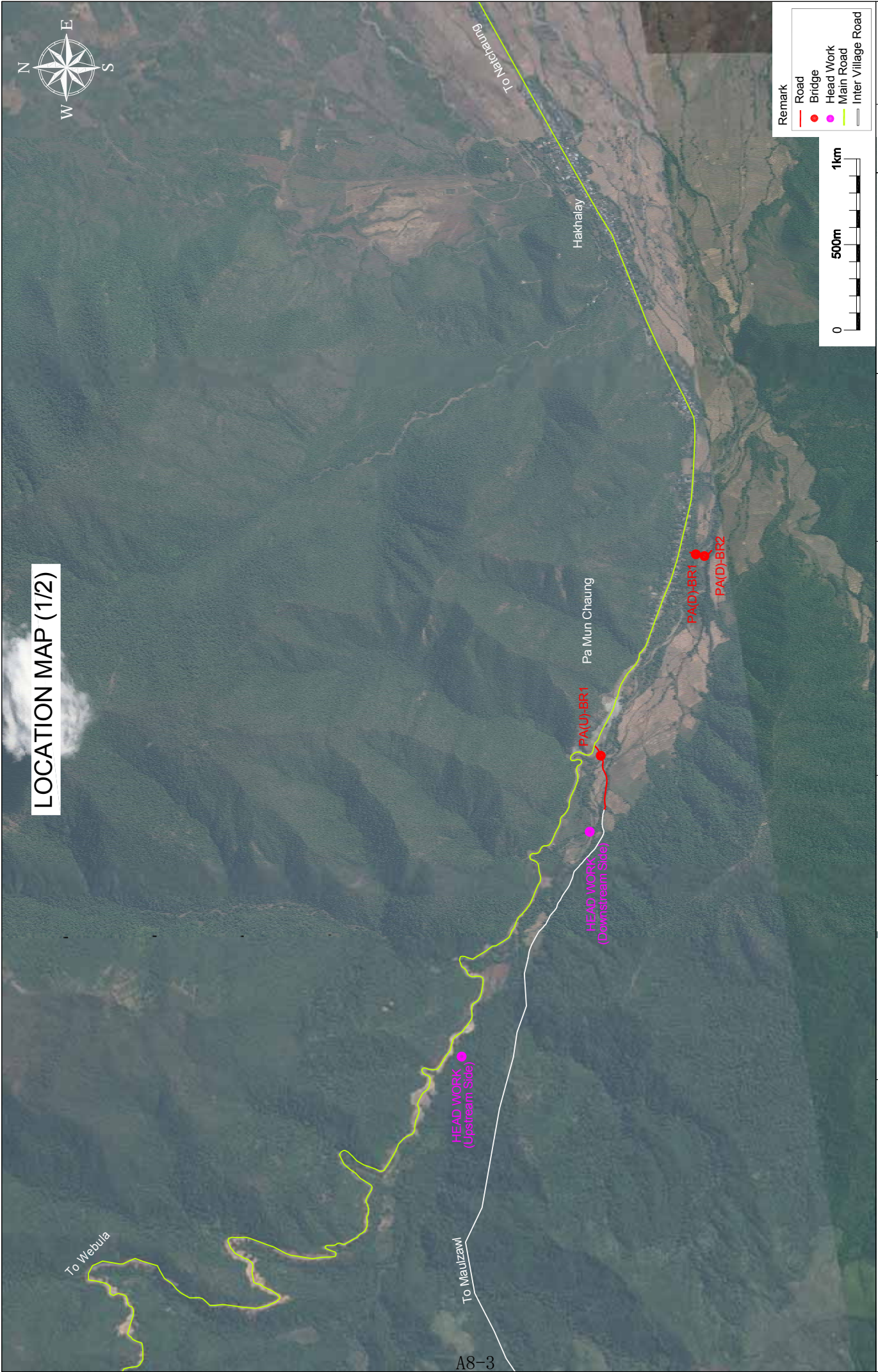
## IRRIGATION

No.	DRAWING TITLE
92 ~ 100	GENERAL VIEW OF HEAD WORK1 ( 1 ) ~ ( 9 )
101 ~ 109	GENERAL VIEW OF HEAD WORK2 ( 1 ) ~ ( 9 )

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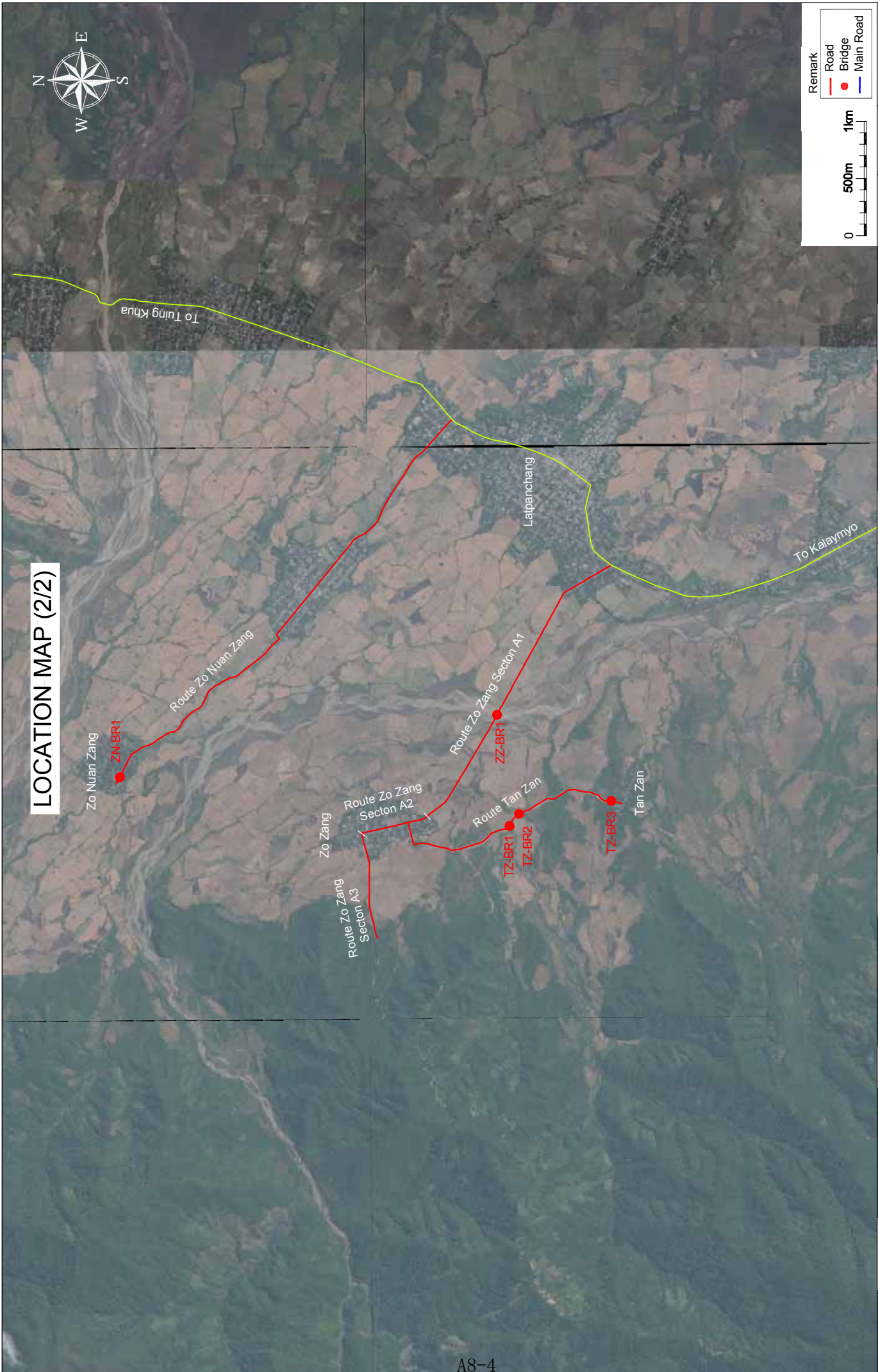
No.	DRAWING TITLE

# LOCATION MAP (1/2)



A8-3

THE REPUBLIC OF THE UNION OF MYANMAR	JAPAN INTERNATIONAL COOPERATION AGENCY		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Zarhtwior Village Tract		SCALE S=1:20,000
	CHIN STATE	YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		Route Pamunchang		
			SHEET CONTENTS		PAGE NO. 1 / 109	
			LOCATION MAP (1/2)			

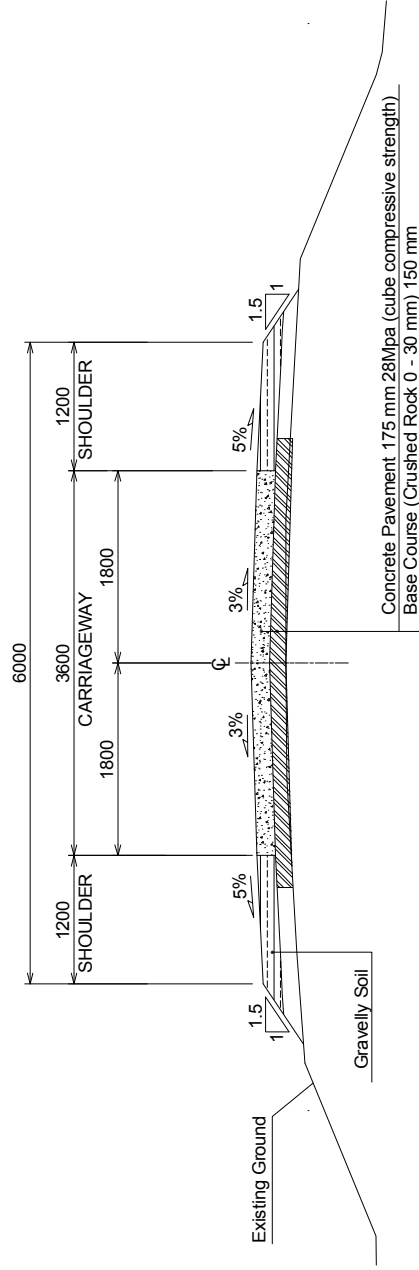


**LOCATION MAP (2/2)**

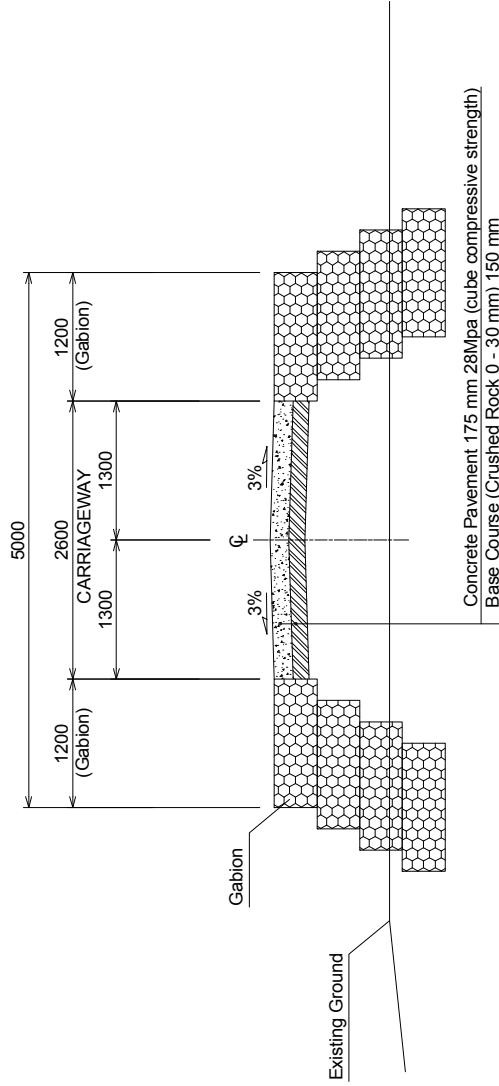
Remark	
<span style="color: red;">—</span> Road	<span style="color: red;">●</span> Bridge
<span style="color: blue;">—</span> Main Road	
0 500m 1km	
SCALE	S=1:30,000
DATE	DEC 2018
PAGE NO.	2 / 109

THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	<p>JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.</p>	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Dolluang Village Tract	SHEET CONTENTS
				Route Zo Zang Route Tan Zan Route Zo Nuan Zang	LOCATION MAP (2/2)

# TYPICAL CROSS SECTION (1/2)



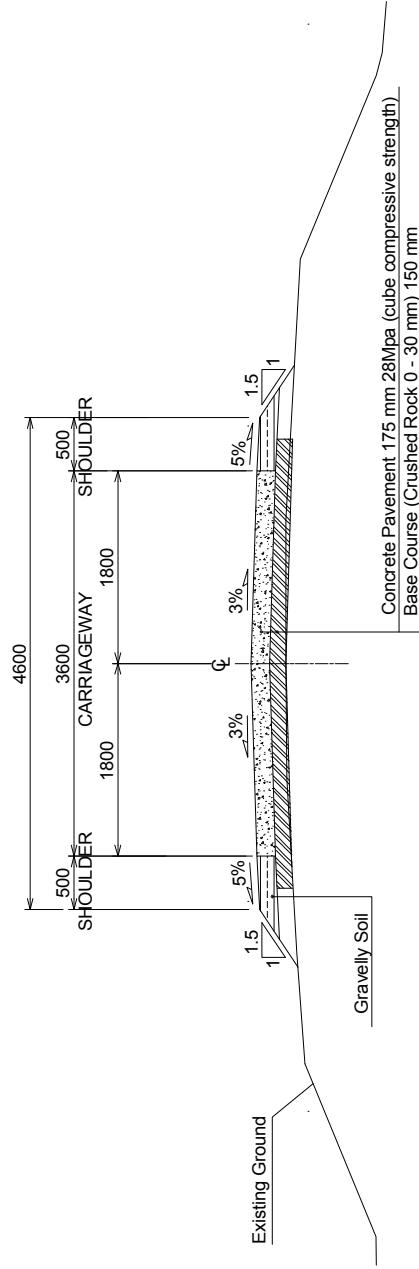
**General Section**  
**(Route Zo Zang, Route Tan Zan, Route Zo Naun Zang and Route Pamunchang (up stream))**



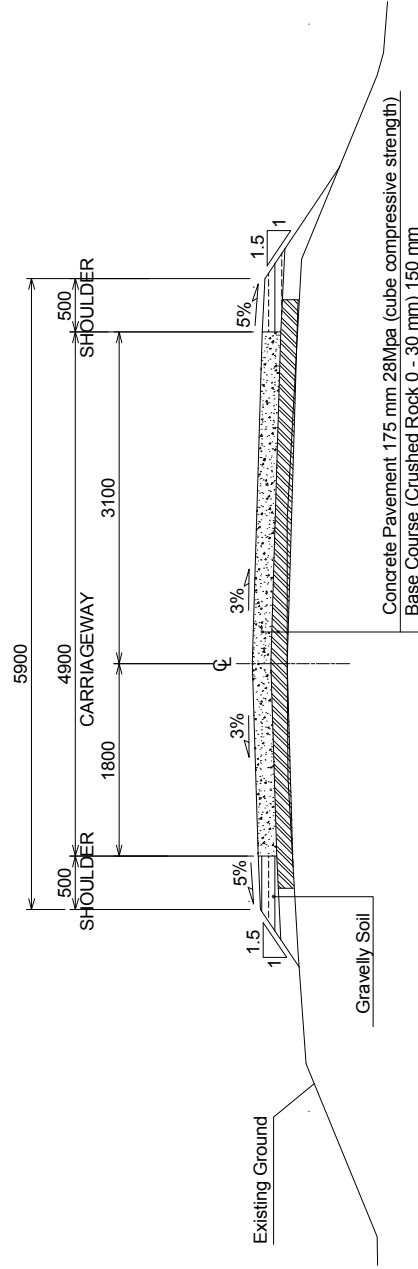
**General Section**  
**(Route Pamunchang (down stream))**

THE REPUBLIC OF THE UNION OF MYANMAR	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Zo Zang Village Tract Tan Zan Village Tract Zo Naun Zang Village Tract Zarhtwor Village Tract Route Zo Zang - Route Tan Zan Route Zo Naun Zang Route Pamunchang (up stream) Route Pamunchang (down stream)	SHEET CONTENTS	
				TYPICAL CROSS SECTION (1/2)	
CHIN STATE				SCALE	S=1:50
				DATE	DEC 2018
				PAGE NO.	3 / 109

# TYPICAL CROSS SECTION (2/2)



Section of Narrow Shoulder  
(Route Zo Zang)



Car Passing Area Section  
(Route Zo Zang)

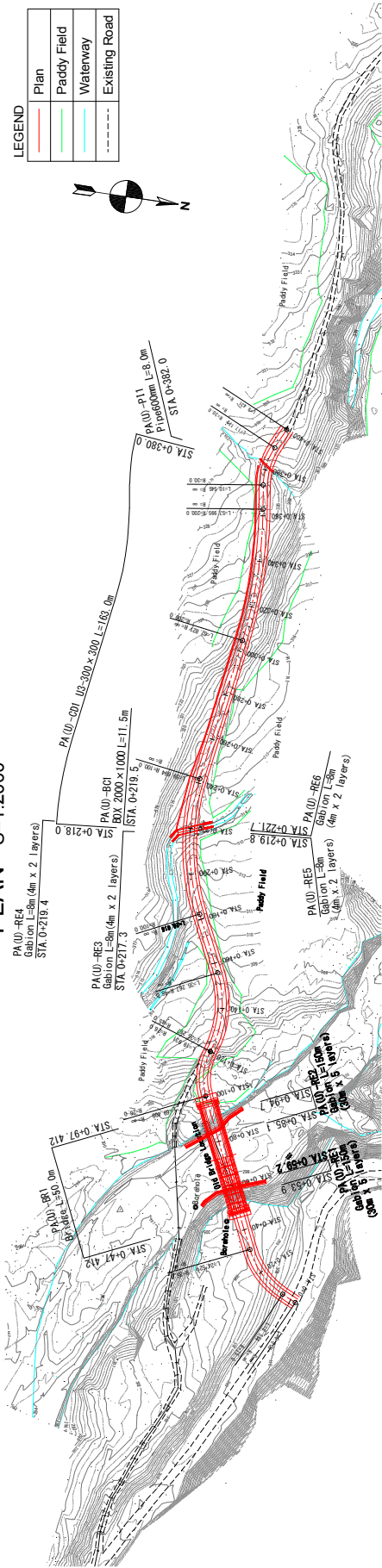
 THE REPUBLIC OF THE UNION OF MYANMAR  CHIN STATE	JAPAN INTERNATIONAL COOPERATION AGENCY  YACHIYO ENGINEERING CO., LTD.  NIPPON KOEI CO., LTD.	THE PROJECT FOR	Zo Zang Village Tract	SHEET CONTENTS	SCALE	S=1:50
		RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Route Zo Zang			
					PAGE NO.	4 / 109

# PLAN & PROFILE

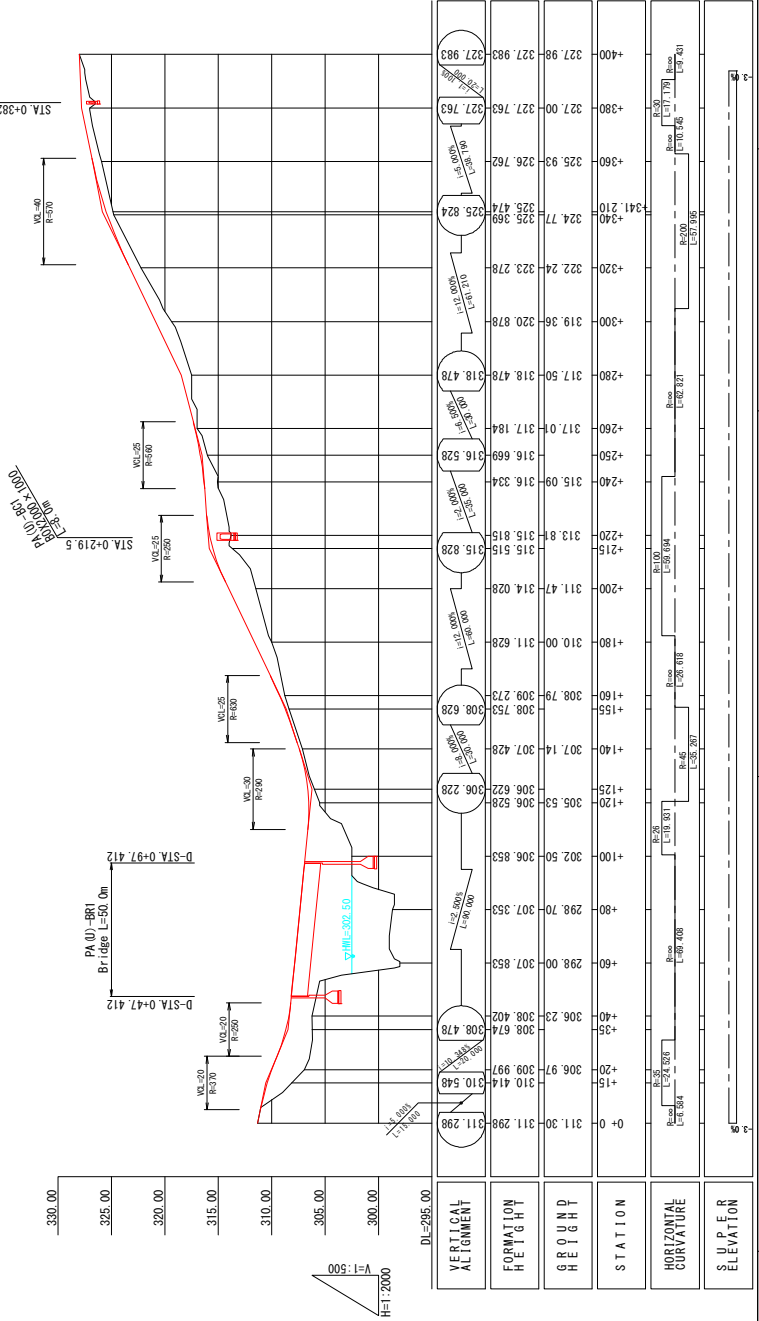
PLAN S=1:2000

LEGEND

	Plan
	Paddy Field
	Waterway
	Existing Road



PROFILE V=1:500  
H=1:2000

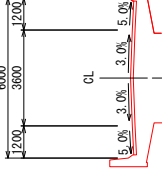


THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Chin State Route Pamunchang (up stream)	SHEET CONTENTS PLAN & PROFILE STA.0+0 ~ STA.0+400	SCALE V=1:500 H=1:2000
						DATE DEC 2018



# CROSS SECTION (1/5)

**STA. 0+60**  
GH=298.00  
FH=307.853

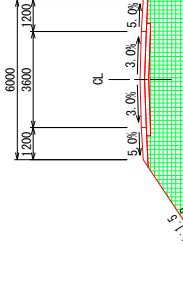


<b>STA. 0+60</b>	
Ground Height	298.00 m
Excavation Height	307.853 m
Earth Work	0.0 m <sup>3</sup>
Embankment	0.0 m <sup>3</sup>
Out	0.0 m
Slope Protection	0.0 m
Left Side	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Right Side	0.0 m
Carriageway	0.0 m
Surface	0.0 m
Shoulder	0.0 m
Base Course	0.0 m

Offset	10.0	8.0	6.0	4.0	2.0	0.0	2.0	4.0	6.0	8.0	10.0
NATURAL	95.268	95.50	95.88	96.50	97.07	98.00	98.00	98.00	98.25	98.43	98.73

<b>STA. 0+20</b>	
Ground Height	308.97 m
Excavation Height	309.997 m
Earth Work	26.4 m <sup>3</sup>
Embankment	0.0 m <sup>3</sup>
Out	0.0 m
Slope Protection	0.0 m
Left Side	0.0 m
Left Side	5.0 m
Right Side	0.0 m
Right Side	3.0 m
Carriageway	3.60 m
Surface	3.60 m
Shoulder	2.40 m
Base Course	4.20 m

**STA. 0+20**  
GH=306.97  
FH=309.997



Offset	12.0	10.0	8.0	6.0	4.0	2.0	0.0	2.0	4.0	6.0	8.0	10.0	12.0
NATURAL	92.000	92.000	92.000	92.000	92.000	92.000	92.000	92.000	92.000	92.000	92.000	92.000	92.000

<b>STA. 0+0</b>	
Ground Height	311.30 m
Excavation Height	311.298 m
Earth Work	0.0 m <sup>3</sup>
Embankment	0.0 m <sup>3</sup>
Out	0.0 m
Slope Protection	0.0 m
Left Side	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Right Side	0.0 m
Carriageway	0.0 m
Surface	0.0 m
Shoulder	0.0 m
Base Course	0.0 m

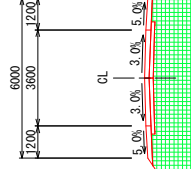
**STA. 0**  
GH=311.30  
FH=311.298

CL

Offset	10.0	8.0	6.0	4.0	2.0	0.0	2.0	4.0	6.0	8.0	10.0	12.0
NATURAL	91.180	91.111	91.111	91.111	91.111	91.111	91.111	91.111	91.111	91.111	91.111	91.111

<b>STA. 0+40</b>	
Ground Height	308.23 m
Excavation Height	308.462 m
Earth Work	17.5 m <sup>3</sup>
Embankment	0.0 m <sup>3</sup>
Out	0.0 m
Slope Protection	0.0 m
Left Side	0.0 m
Left Side	4.5 m
Right Side	0.0 m
Right Side	2.9 m
Carriageway	3.60 m
Surface	3.60 m
Shoulder	2.40 m
Base Course	4.20 m

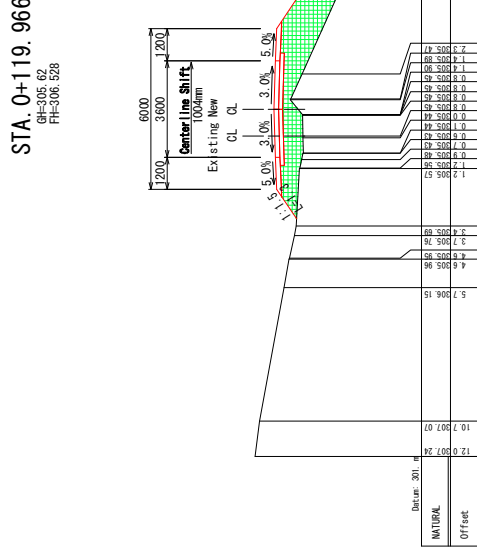
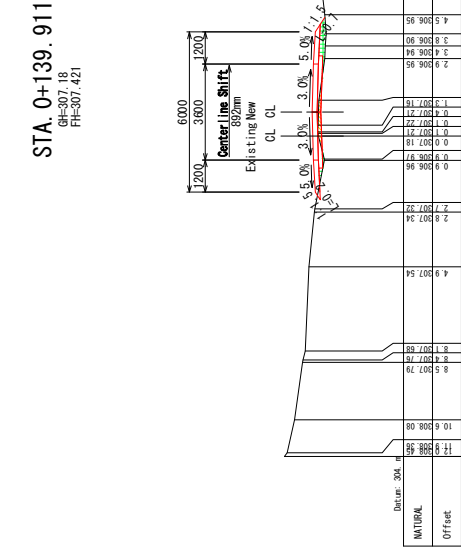
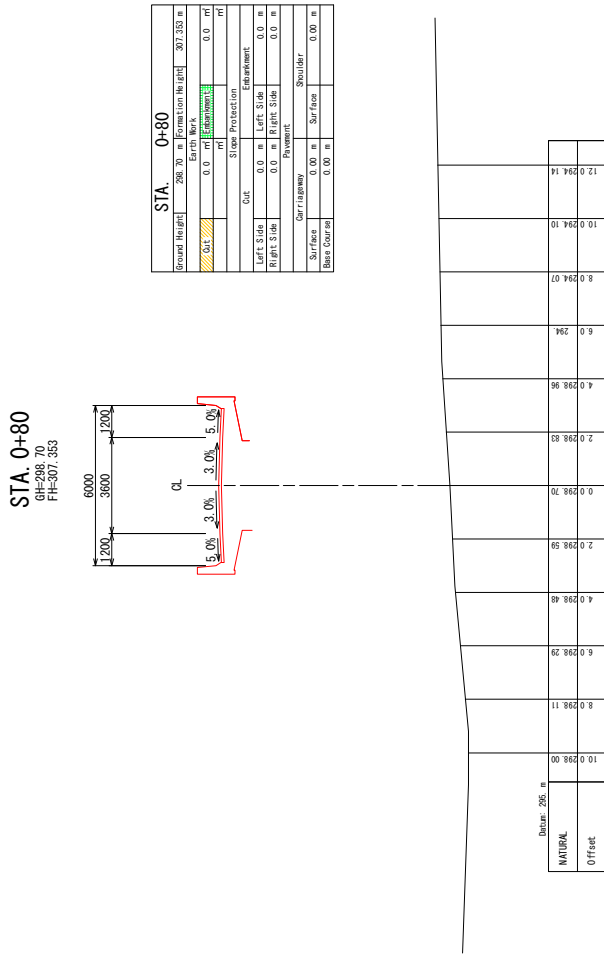
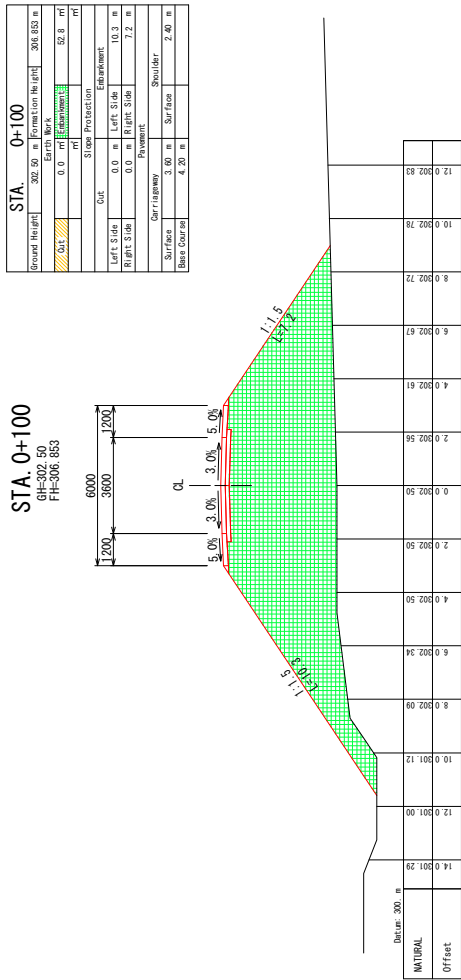
**STA. 0+40**  
GH=308.23  
FH=308.462



Offset	10.0	8.0	6.0	4.0	2.0	0.0	2.0	4.0	6.0	8.0	10.0	12.0
NATURAL	91.000	91.000	91.000	91.000	91.000	91.000	91.000	91.000	91.000	91.000	91.000	91.000

THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Chin State	SHEET CONTENTS	SCALE	S=1:100
		Route Pamunchnag (up stream)				DATE	DEC 2018
		YACHIO ENGINEERING CO., LTD.		CROSS SECTION (1/5)		PAGE NO.	
		NIPPON KOEI CO., LTD.		STA.0+0 ~ STA.0+60		6 / 109	

# CROSS SECTION (2/5)



**STA. 0+139.911**

Ground Height	307.18 m	Format Ion Height	307.421 m
Earth Work	0.2 m <sup>3</sup>	Embankment	0.4 m <sup>3</sup>
Cut	0.0 m <sup>3</sup>	Excavation	0.0 m <sup>3</sup>
Left Side	0.0 m	Left Side	0.2 m
Right Side	0.0 m	Right Side	0.2 m
Carriageway	3.60 m	Surface	2.40 m
Base Course	4.20 m	Shoulder	2.40 m

**STA. 0+119.966**

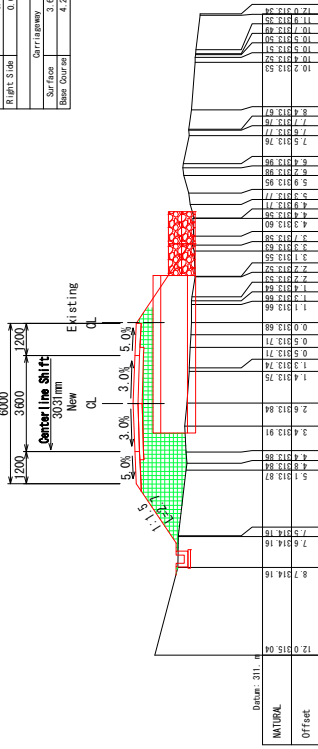
Ground Height	306.62 m	Format Ion Height	306.528 m
Earth Work	0.0 m <sup>3</sup>	Embankment	9.5 m <sup>3</sup>
Cut	0.0 m <sup>3</sup>	Excavation	0.0 m <sup>3</sup>
Left Side	0.0 m	Left Side	1.3 m
Right Side	0.0 m	Right Side	5.2 m
Carriageway	3.60 m	Surface	2.40 m
Base Course	4.20 m	Shoulder	2.40 m

THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Chin State	SHEET CONTENTS	SCALE	S=1:100
JICA YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.			Route Pamunehang (up stream)	CROSS SECTION (2/5) STA.0+80 ~ STA.0+139.9	DATE	DEC 2018
CHIN STATE			Route Pamunehang (up stream)		PAGE NO.	7 / 109

# CROSS SECTION (3/5)

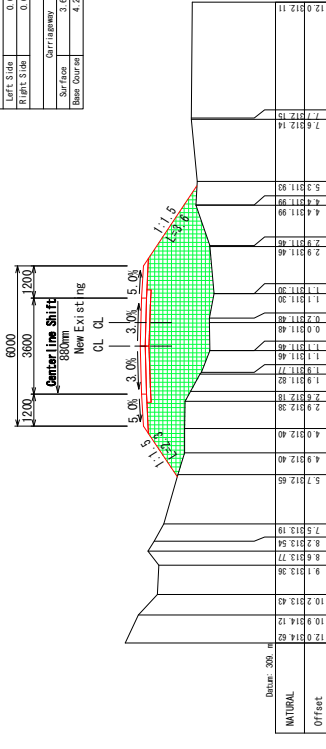
STA. 0+220.468  
GH=313.84  
FH=315.539

<b>STA. 0+220.468</b>	
Ground Height	313.84 m Formation Height
Earth Work	315.539 m
Out	0.0 m
Enchantment	7.1 m
Protection	0.0 m
Shoulder	0.0 m
Surface	3.00 m
Base Course	4.20 m
Left Side	0.0 m
Right Side	0.0 m
Left Side	2.7 m
Right Side	0.0 m
Shoulder	0.0 m
Surface	3.00 m
Base Course	4.20 m



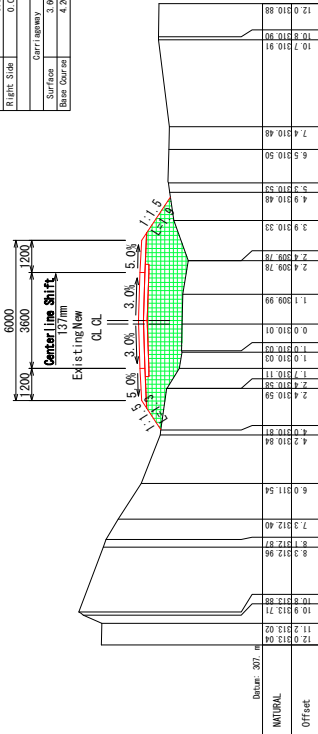
STA. 0+200.250  
GH=311.47  
FH=314.058

<b>STA. 0+200.250</b>	
Ground Height	311.47 m Formation Height
Earth Work	314.058 m
Out	0.0 m
Enchantment	17.4 m
Protection	0.0 m
Shoulder	0.0 m
Surface	3.00 m
Base Course	4.20 m
Left Side	0.0 m
Right Side	0.0 m
Left Side	2.3 m
Right Side	3.6 m
Shoulder	0.0 m
Surface	3.00 m
Base Course	4.20 m



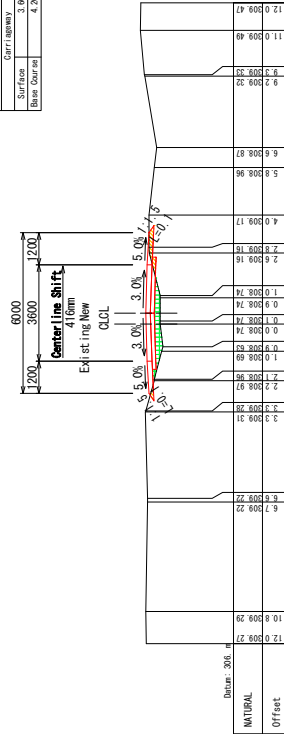
STA. 0+180.095  
PH=310.01  
FH=311.640

<b>STA. 0+180.095</b>	
Ground Height	310.01 m Formation Height
Earth Work	311.640 m
Out	0.0 m
Enchantment	9.0 m
Protection	0.0 m
Shoulder	0.0 m
Surface	3.00 m
Base Course	4.20 m
Left Side	0.0 m
Right Side	1.3 m
Left Side	1.9 m
Right Side	0.0 m
Shoulder	2.40 m
Surface	3.00 m
Base Course	4.20 m



STA. 0+160.090  
GH=308.74  
FH=309.283

<b>STA. 0+160.090</b>	
Ground Height	308.74 m Formation Height
Earth Work	309.283 m
Out	0.4 m
Enchantment	0.7 m
Protection	0.0 m
Shoulder	0.0 m
Surface	3.00 m
Base Course	4.20 m
Left Side	0.0 m
Right Side	0.1 m
Left Side	0.1 m
Right Side	0.1 m
Shoulder	0.0 m
Surface	3.00 m
Base Course	4.20 m

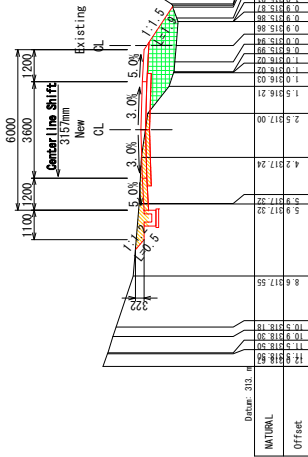


THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Chin State	SHEET CONTENTS	SCALE	S=1:100
					DATE	DEC 2018
		Route Pamunehang (up stream)		CROSS SECTION (3/5)		
				STA.0+160.1 ~ STA.0+220.5		
				PAGE NO.		
				8 / 109		

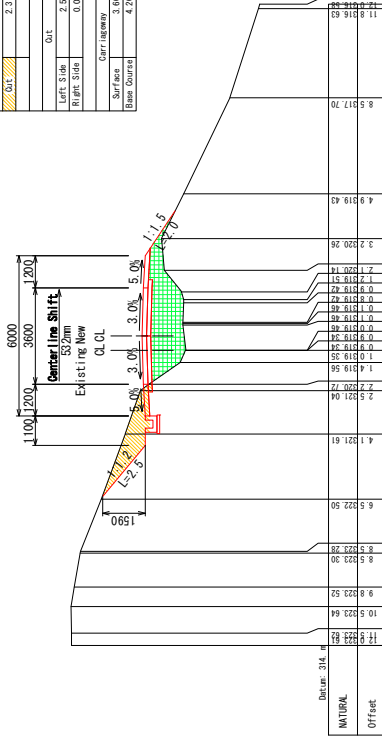
# CROSS SECTION (4/5)

STA. 0+300.875  
GH=319.41  
FH=320.983

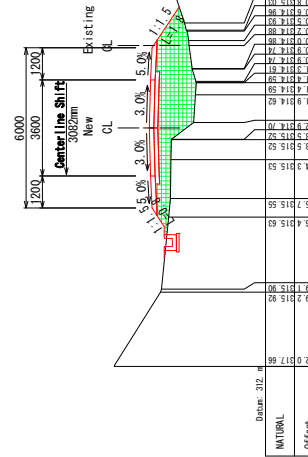
<b>STA. 0+261.149</b>	
Ground Height	317.09 m Formation Height
Earth Work	317.256 m
Out	1.5 m
Earthwork	2.0 m
Shoulder Protection	2.0 m
Out	0.5 m
Enlargement	0.0 m
Left Side	0.0 m
Right Side	1.9 m
Pavement	Shoulder
Carriageway	3.60 m
Surface	2.40 m
Base Course	4.20 m



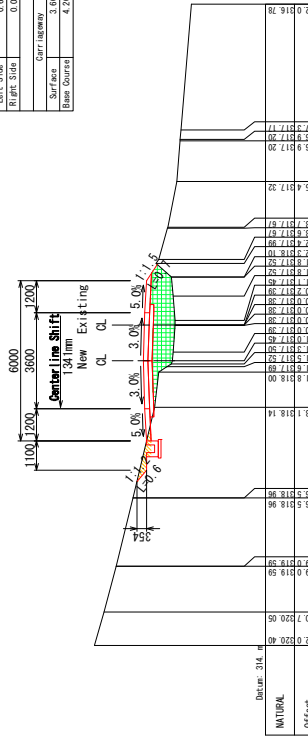
<b>STA. 0+300.875</b>	
Ground Height	319.41 m Formation Height
Earth Work	320.983 m
Out	2.3 m
Earthwork	4.9 m
Shoulder Protection	2.40 m
Out	0.0 m
Enlargement	0.0 m
Left Side	2.5 m
Right Side	2.0 m
Pavement	Shoulder
Carriageway	3.60 m
Surface	2.40 m
Base Course	4.20 m



<b>STA. 0+240.965</b>	
Ground Height	314.97 m Formation Height
Earth Work	318.359 m
Out	0.0 m
Earthwork	6.7 m
Shoulder Protection	2.40 m
Out	0.0 m
Enlargement	0.8 m
Left Side	0.0 m
Right Side	1.8 m
Pavement	Shoulder
Carriageway	3.60 m
Surface	2.40 m
Base Course	4.20 m



<b>STA. 0+280.762</b>	
Ground Height	317.50 m Formation Height
Earth Work	318.570 m
Out	0.3 m
Earthwork	3.1 m
Shoulder Protection	2.40 m
Out	0.0 m
Enlargement	0.7 m
Left Side	0.0 m
Right Side	0.7 m
Pavement	Shoulder
Carriageway	3.60 m
Surface	2.40 m
Base Course	4.20 m

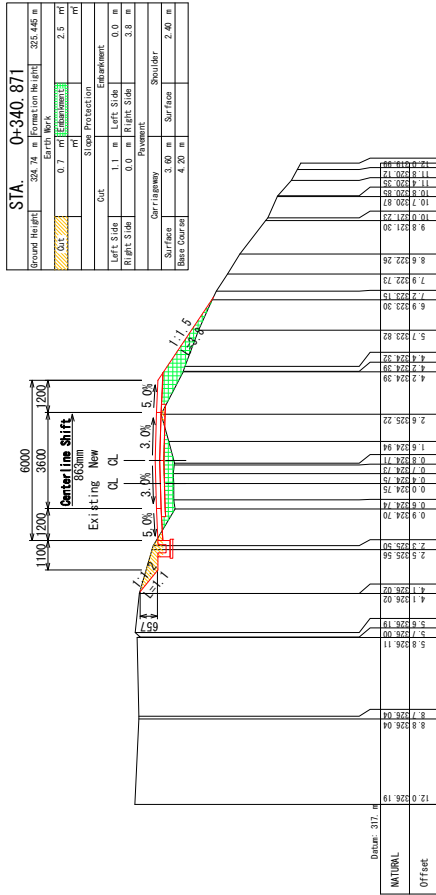


STA. 0+280.762  
GH=317.50  
FH=318.570

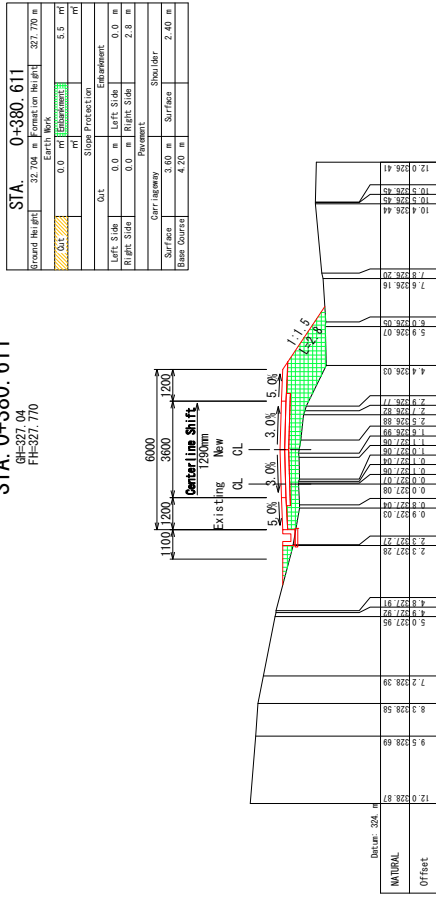
THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR		SHEET CONTENTS	SCALE	S=1:100
		RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS				
JAPAN INTERNATIONAL COOPERATION AGENCY		FOR		CROSS SECTION (4/5)		
YACHIYO ENGINEERING CO., LTD.		Route Pamunehang (up stream)		DATE		
NIPPON KOEI CO., LTD.		Chin State		DEC 2018		
		Route Pamunehang (up stream)		PAGE NO.		
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# CROSS SECTION (5/5)

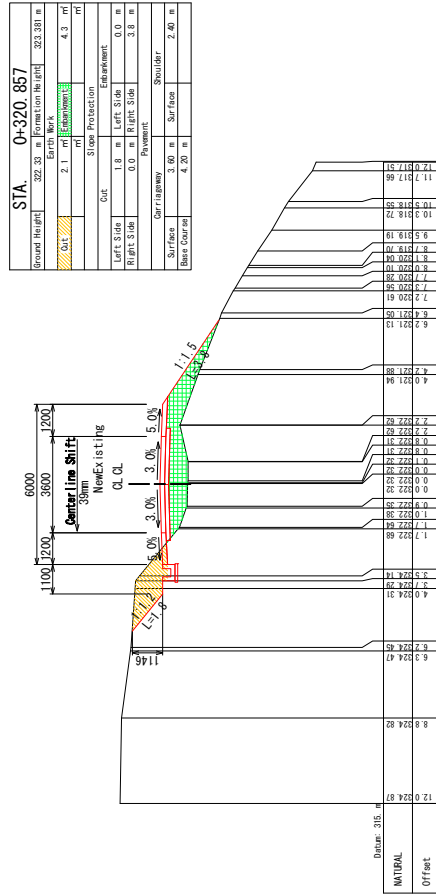
**STA. 0+340.871**  
 GH=324.74  
 FH=325.45



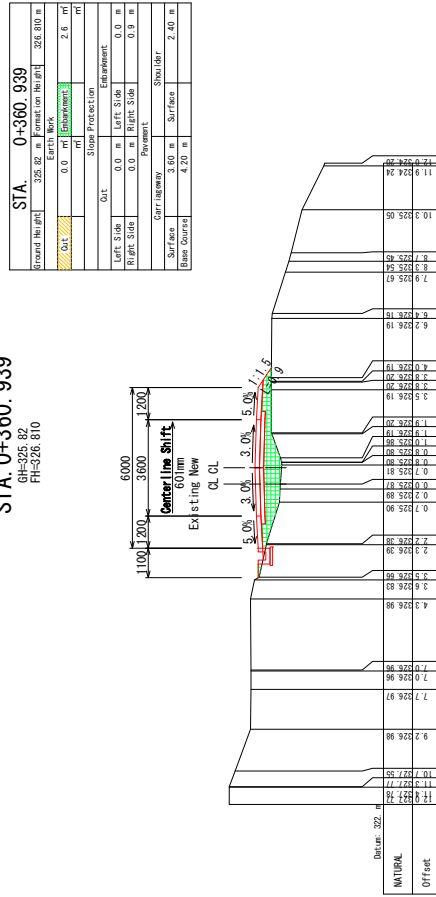
**STA. 0+380.611**  
 GH=327.04  
 FH=327.770



**STA. 0+320.857**  
 GH=322.33  
 FH=323.381



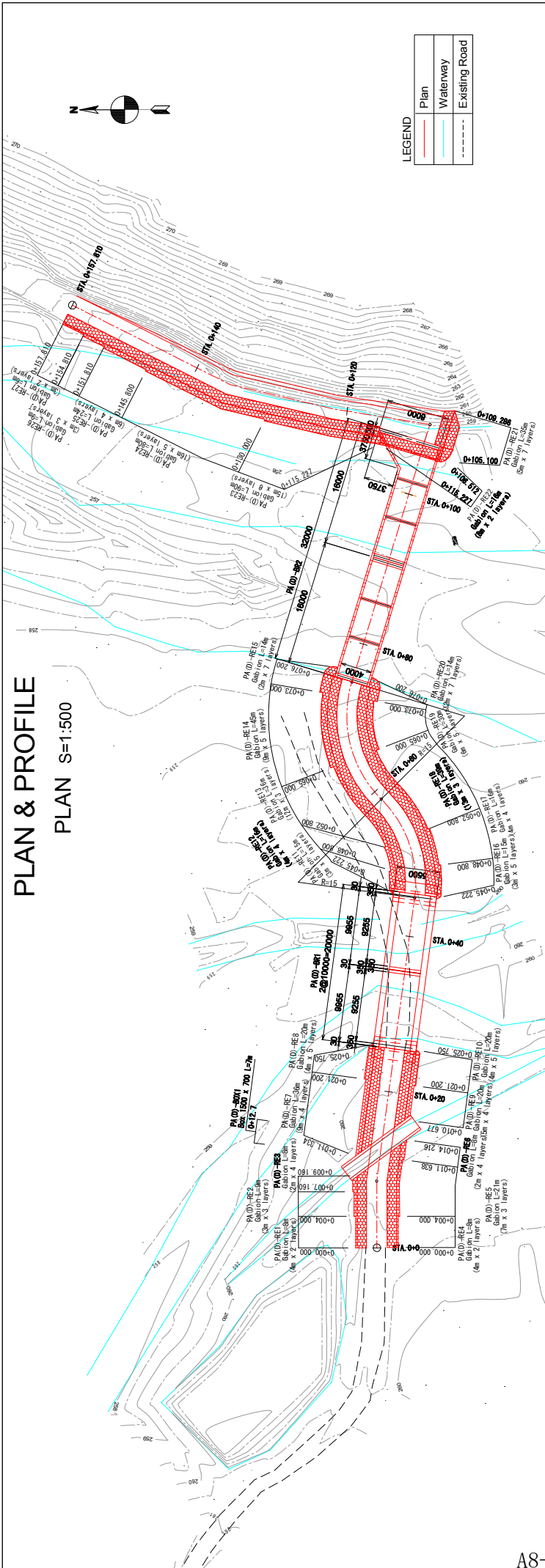
**STA. 0+360.939**  
 GH=325.82  
 FH=326.810



THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	SHEET CONTENTS		SCALE S=1:200
		CROSS SECTION (5/5) STA.0+320.9 ~ STA.0+380.6		
THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Chin State Route Pamunchnag (up stream)		PAGE NO. 10 / 109
JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.				

# PLAN & PROFILE

PLAN S=1:500

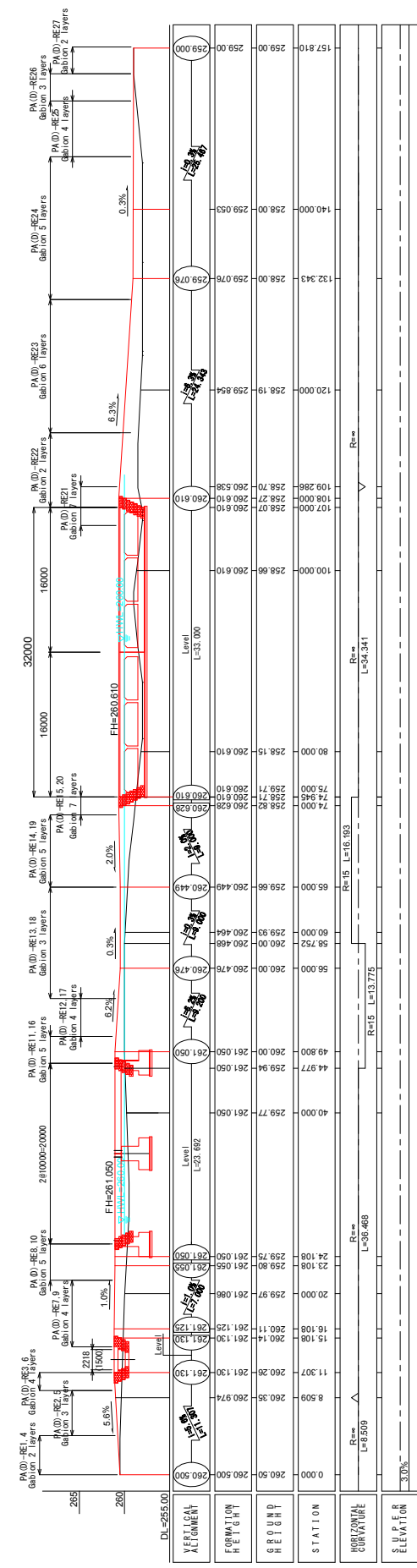


LEGEND

	Plan
	Waterway
	Existing Road

# PROFILE

V=1:500 H=1:500



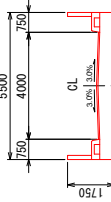
THE REPUBLIC OF THE UNION OF MYANMAR	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Zarthurw Village Tract	SCALE S=1:500
		CHIN STATE		Route Panunehang (down stream)	
SHEET CONTENTS				PLAN & PROFILE	PAGE NO. 11 / 109

# CROSS SECTION (1/2)

## FORMATION HEIGHT

STA. 0+40	
Ground Height	259.77 m
Formation Height	261.000 m
Earth Work	0.0 m <sup>3</sup>
Fill/Embankment	0.0 m <sup>3</sup>
Cut	0.0 m <sup>3</sup>
Slope Protection	0.0 m <sup>2</sup>
Left Side	0.0 m
Right Side	0.0 m
Carriageway	0.0 m
Shoulder	0.0 m
Surface	0.0 m
Base Course	0.0 m

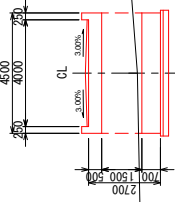
STA. 0+40  
GH=259.77  
FH=261.050



DL=260.00

STA. 0+100	
Ground Height	238.08 m
Formation Height	260.610 m
Earth Work	0.0 m <sup>3</sup>
Fill/Embankment	0.0 m <sup>3</sup>
Cut	0.0 m <sup>3</sup>
Slope Protection	0.0 m <sup>2</sup>
Left Side	0.0 m
Right Side	0.0 m
Carriageway	0.0 m
Shoulder	0.0 m
Surface	0.0 m
Base Course	0.0 m

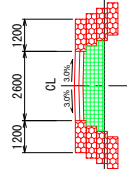
STA. 0+100  
GH=238.66  
FH=260.610



DL=260.00

STA. 0+20	
Ground Height	259.97 m
Formation Height	261.000 m
Earth Work	0.0 m <sup>3</sup>
Fill/Embankment	2.5 m <sup>3</sup>
Cut	0.0 m <sup>3</sup>
Slope Protection	0.0 m <sup>2</sup>
Left Side	0.0 m
Right Side	0.0 m
Carriageway	2.00 m
Shoulder	0.0 m
Surface	2.00 m
Base Course	0.0 m

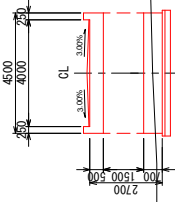
STA. 0+20  
GH=259.97  
FH=261.086



DL=260.00

STA. 0+80	
Ground Height	238.16 m
Formation Height	260.610 m
Earth Work	0.0 m <sup>3</sup>
Fill/Embankment	0.0 m <sup>3</sup>
Cut	0.0 m <sup>3</sup>
Slope Protection	0.0 m <sup>2</sup>
Left Side	0.0 m
Right Side	0.0 m
Carriageway	0.0 m
Shoulder	0.0 m
Surface	0.0 m
Base Course	0.0 m

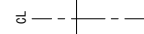
STA. 0+80  
GH=238.16  
FH=260.610



DL=260.00

STA. 0+00	
Ground Height	260.50 m
Formation Height	260.000 m
Earth Work	0.0 m <sup>3</sup>
Fill/Embankment	0.0 m <sup>3</sup>
Cut	0.0 m <sup>3</sup>
Slope Protection	0.0 m <sup>2</sup>
Left Side	0.0 m
Right Side	0.0 m
Carriageway	0.0 m
Shoulder	0.0 m
Surface	0.0 m
Base Course	0.0 m

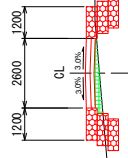
STA. 0+00  
GH=260.50  
FH=260.50



DL=260.00

STA. 0+60	
Ground Height	238.93 m
Formation Height	260.666 m
Earth Work	0.0 m <sup>3</sup>
Fill/Embankment	0.0 m <sup>3</sup>
Cut	0.0 m <sup>3</sup>
Slope Protection	0.0 m <sup>2</sup>
Left Side	0.0 m
Right Side	0.0 m
Carriageway	0.0 m
Shoulder	0.0 m
Surface	0.0 m
Base Course	0.0 m

STA. 0+60  
GH=238.93  
FH=260.666

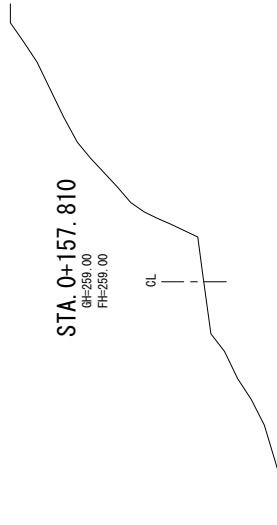


DL=260.00

THE REPUBLIC OF THE UNION OF MYANMAR	JAPAN INTERNATIONAL COOPERATION AGENCY	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Zarhwoir Village Tract	SHEET CONTENTS	SCALE	S=1:200
CHIN STATE	YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		Route Panmunchang (down stream)	CROSS SECTION (1/2) STA.0+0 ~ STA.0+100	DATE	DEC 2018
					PAGE NO.	12 / 109

# CROSS SECTION (2/2)

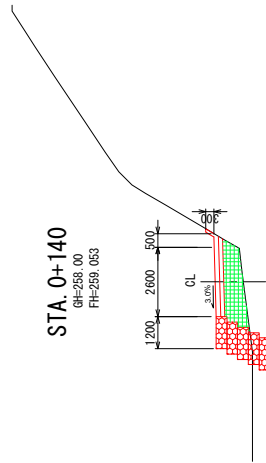
STA. 0+140	
Ground Ht. (m)	259.00
Earth Work	0.00
Embankment	0.00
Slope Protection	0.00
Cut	0.00
Left Side	0.00
Right Side	0.00
Carriageway	0.00
Surface	0.00
Base Course	0.00



STA 0+140  
GH=259.00  
FH=259.00

DL=259.00

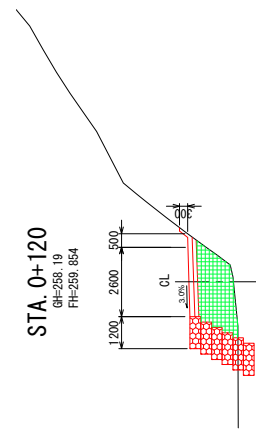
STA. 0+140	
Ground Ht. (m)	258.00
Earth Work	0.00
Embankment	2.20
Slope Protection	0.00
Cut	0.00
Left Side	0.00
Right Side	0.00
Carriageway	3.10
Surface	3.10
Base Course	3.10



STA 0+140  
GH=258.00  
FH=258.063

DL=258.00

STA. 0+120	
Ground Ht. (m)	258.19
Earth Work	0.00
Embankment	3.80
Slope Protection	0.00
Cut	0.00
Left Side	0.00
Right Side	0.00
Carriageway	3.10
Surface	3.10
Base Course	3.10



STA 0+120  
GH=258.19  
FH=258.864

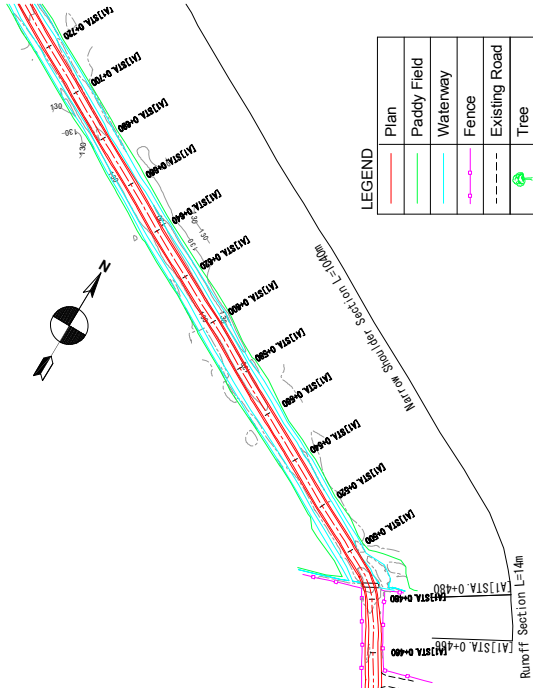
DL=259.00

THE REPUBLIC OF THE UNION OF MYANMAR	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Zarhwoir Village Tract Route Panunchang (down stream)	SHEET CONTENTS		
				CROSS SECTION (2/2) STA.0+100 ~ STA.0+157.810	SCALE DATE PAGE NO.	S=1:200 DEC 2018 13 / 109

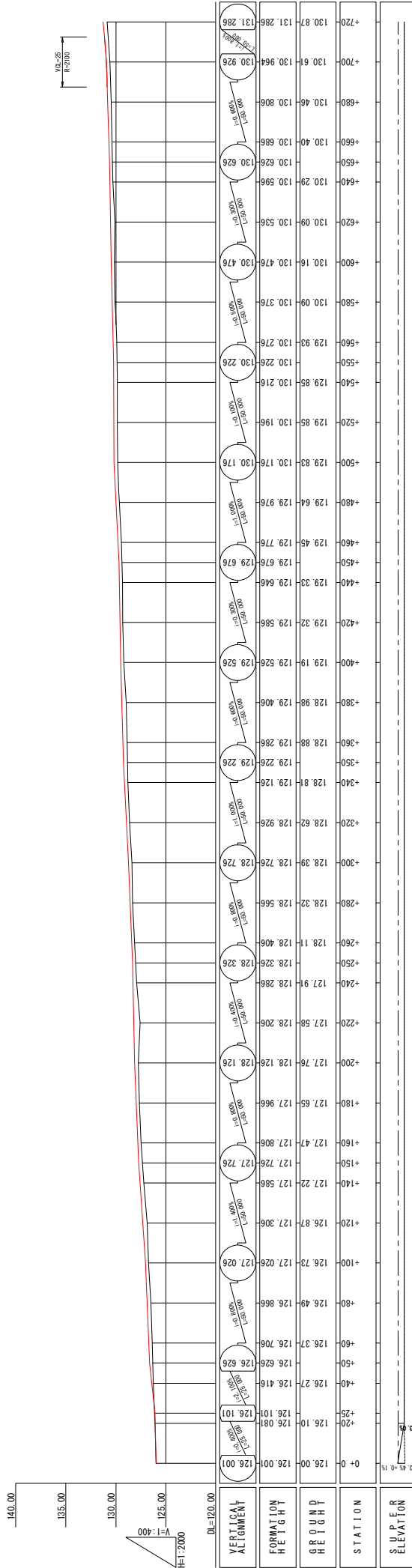


# PLAN & PROFILE (1/7)

PLAN S=1:2000



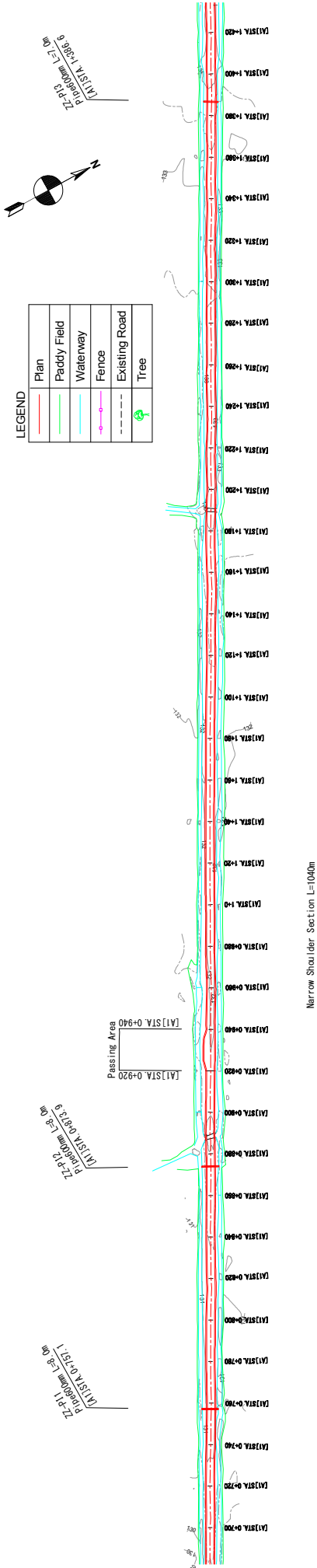
PROFILE V=1:400  
H=1:2000



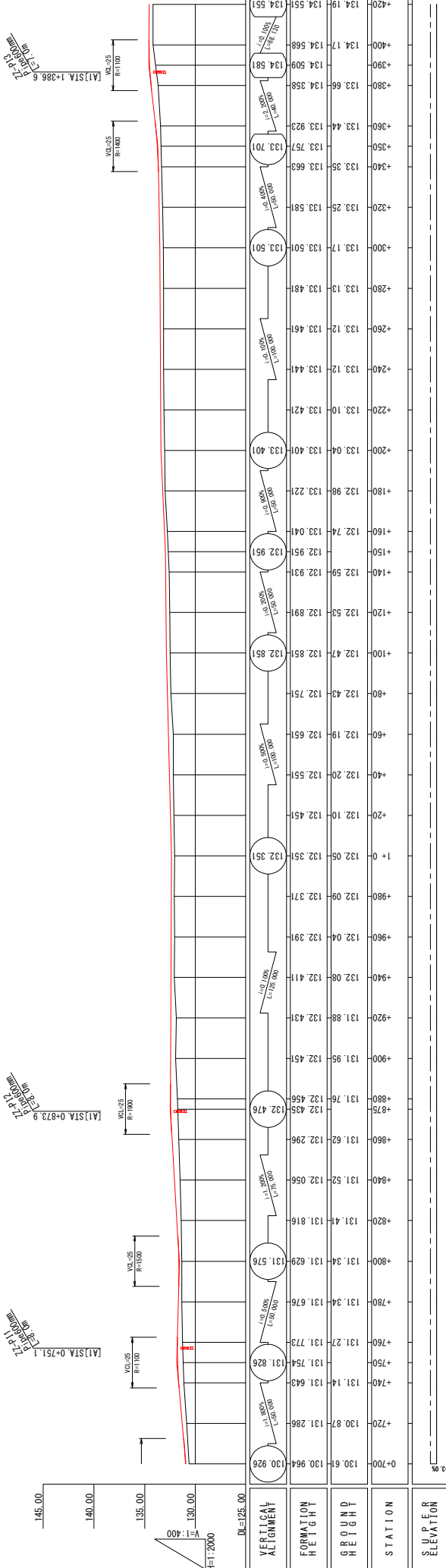
THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		SHEET CONTENTS PLAN & PROFILE (1/7) STA.0+0 ~ STA.0+700		SCALE	As Shown
		Dolluang Village Tract Route Zo Zang Road A1		PLAN & PROFILE (1/7) STA.0+0 ~ STA.0+700		DATE	DEC 2018	PAGE NO.	14 / 109

# PLAN & PROFILE (2/7)

PLAN S=1:2000



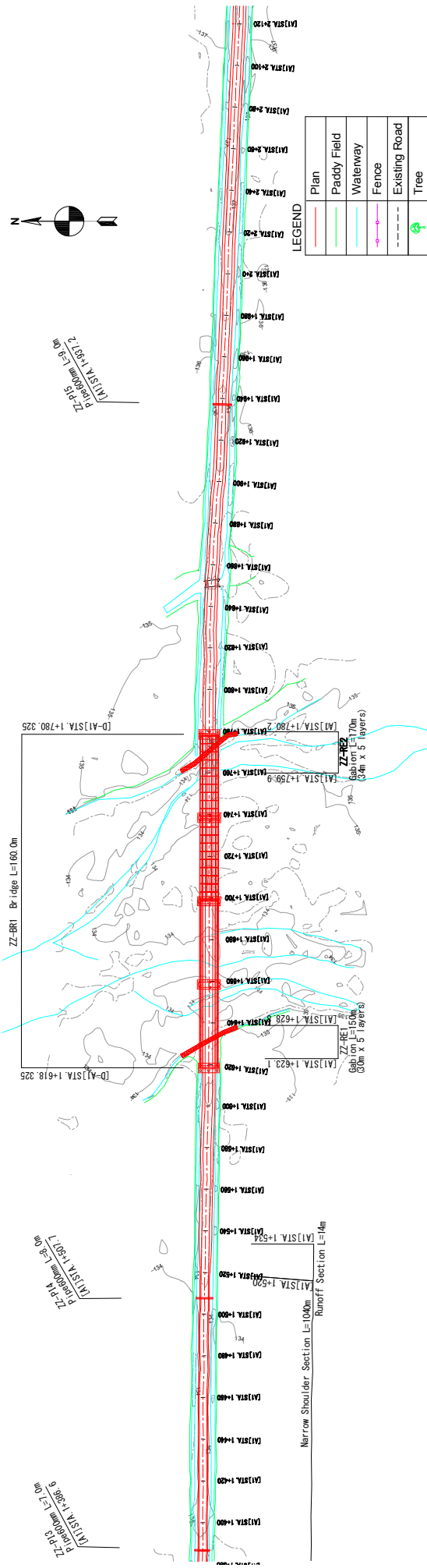
PROFILE V=1:400  
H=1:2000



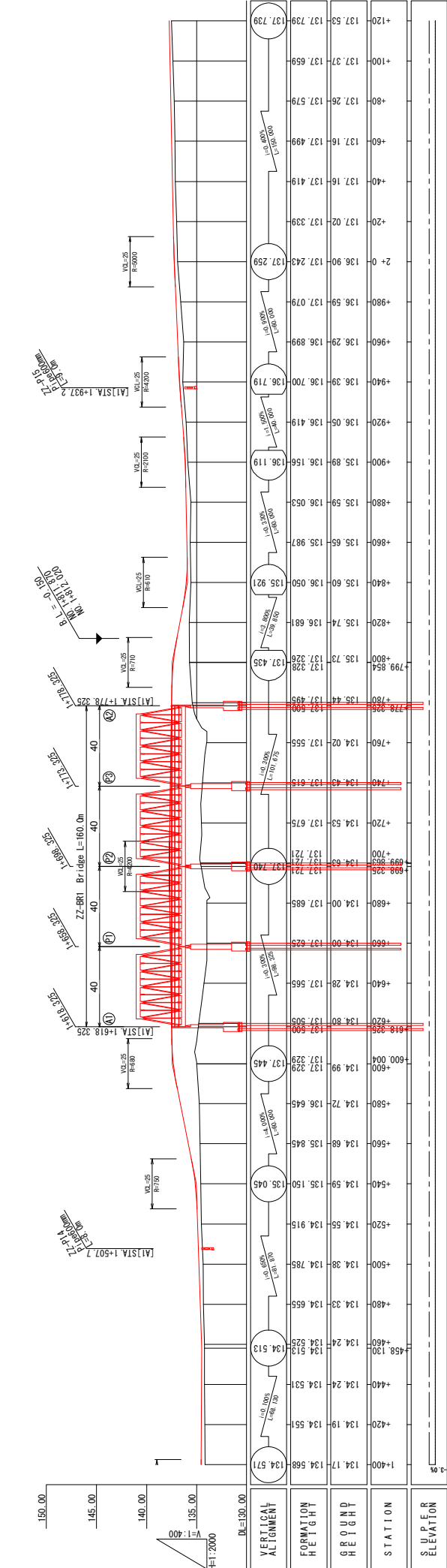
 THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	JAPAN INTERNATIONAL COOPERATION AGENCY 		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract Route Zo Zang Road A1		SHEET CONTENTS PLAN & PROFILE (2/7) STA.0+700 ~ STA.1+400		SCALE	As Shown
										DATE	DEC 2018
										PAGE NO.	15 / 109

# PLAN & PROFILE (3/7)

PLAN S=1:2000



PROFILE V=1:400  
H=1:2000



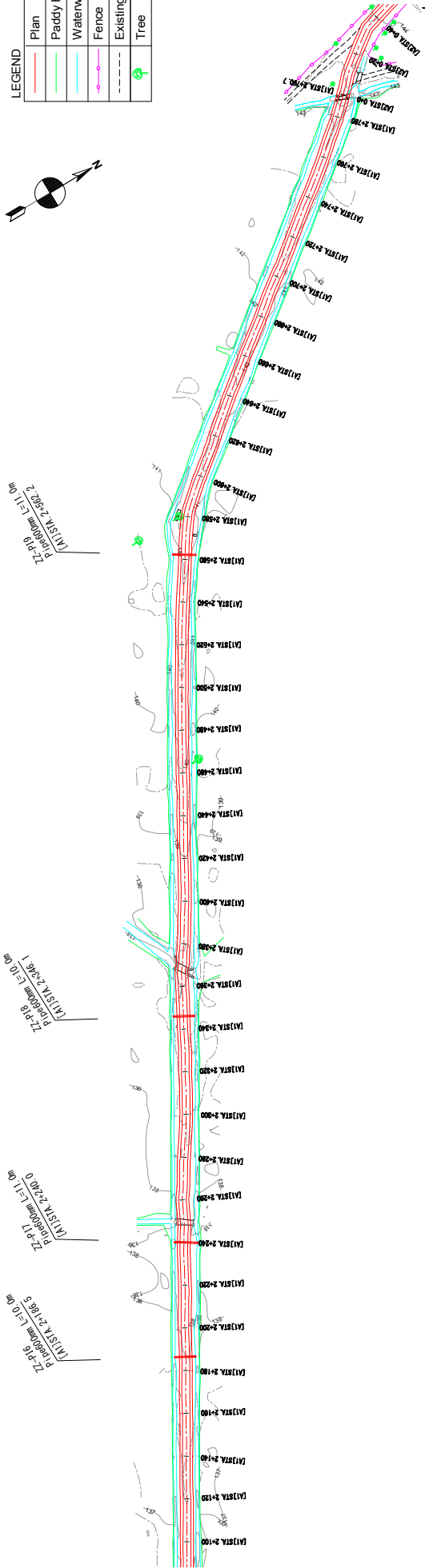
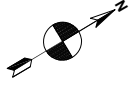
	THE REPUBLIC OF THE UNION OF MYANMAR	JAPAN INTERNATIONAL COOPERATION AGENCY	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	SHEET CONTENTS	SCALE	As Shown
	CHIN STATE	YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	Route Zo Zang Road A1	PLAN & PROFILE (3/7) STA.1+400 ~ STA.2+100	DATE	DEC 2018
					PAGE NO.	16 / 109

# PLAN & PROFILE (4/7)

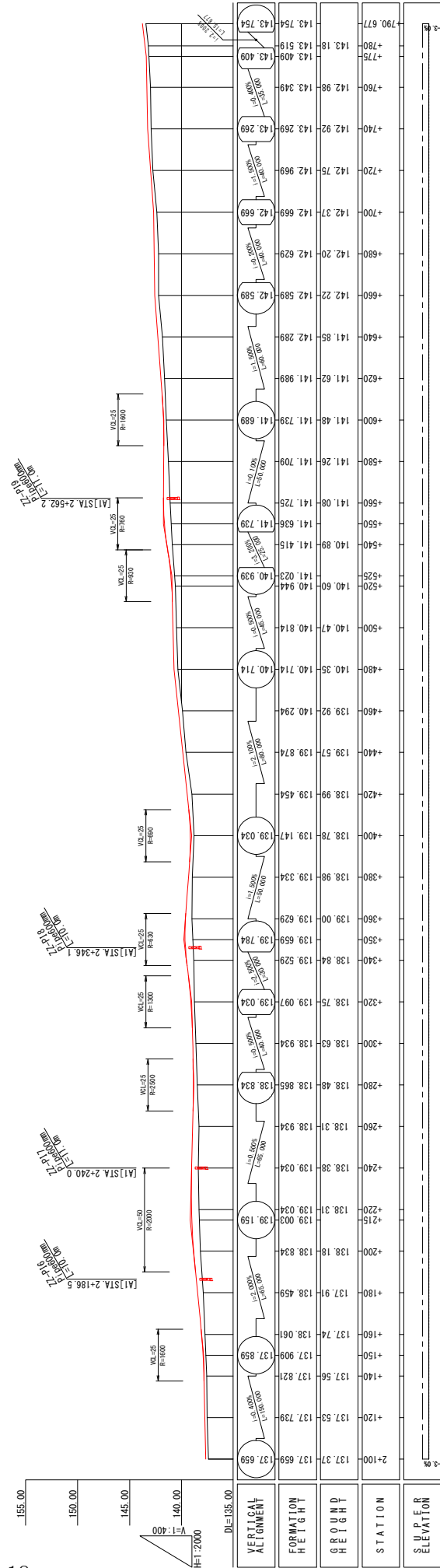
PLAN S=1:2000

LEGEND

	Plan
	Paddy Field
	Waterway
	Fence
	Existing Road
	Tree



PROFILE V=1:400 H=1:2000

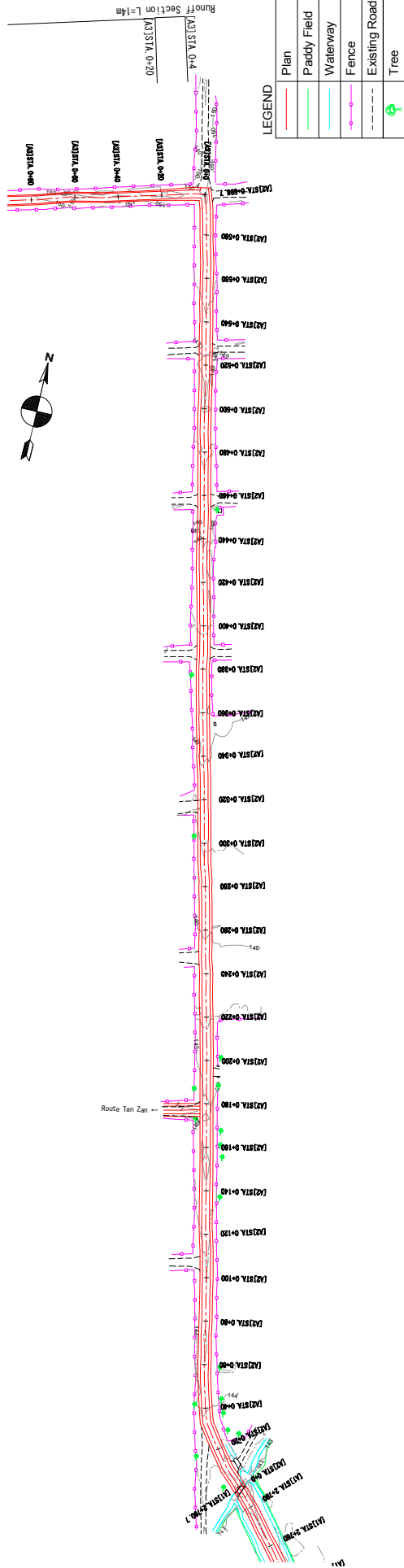


A8-19

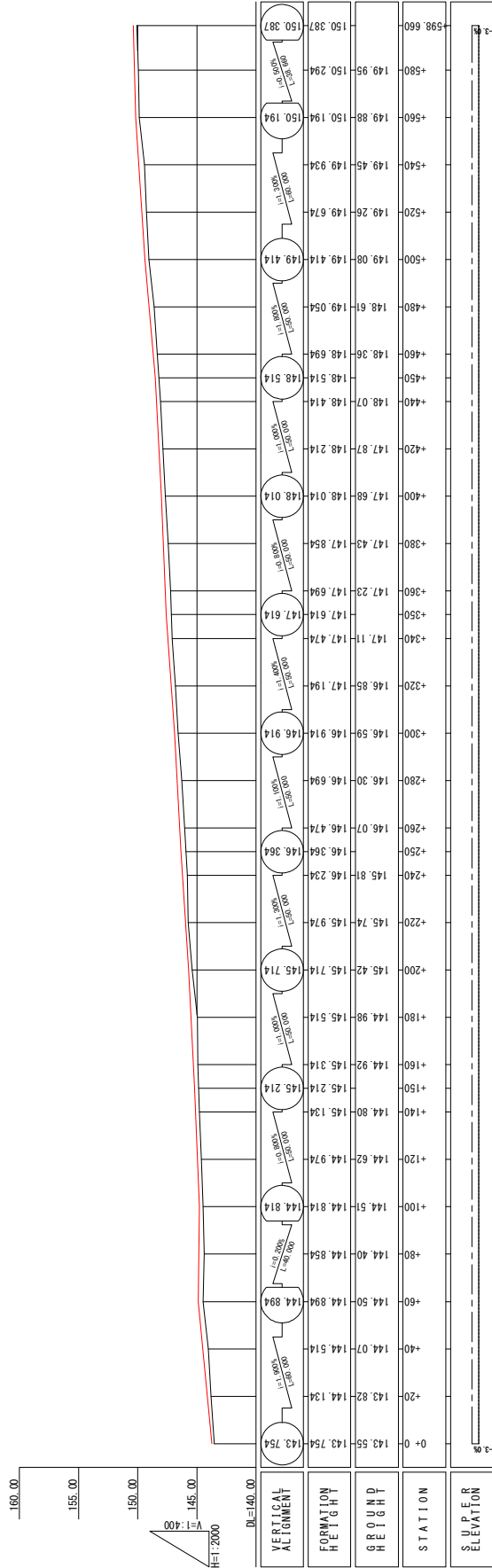
	THE REPUBLIC OF THE UNION OF MYANMAR		JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Dolluang Village Tract Route Zo Zang Road A1	SHEET CONTENTS PLAN & PROFILE (4/7) STA.2+100 ~ STA.2+790.7	SCALE As Shown	DATE DEC 2018	PAGE NO. 17 / 109
	CHIN STATE								

# PLAN & PROFILE (5/7)

PLAN S=1:2000



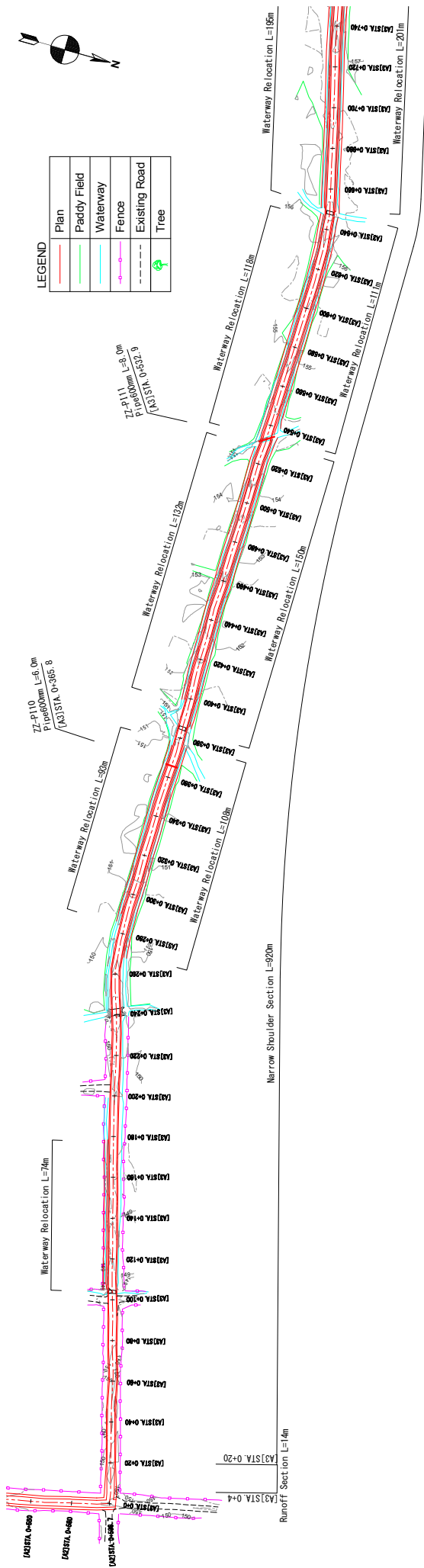
PROFILE V=1:400 H=1:2000



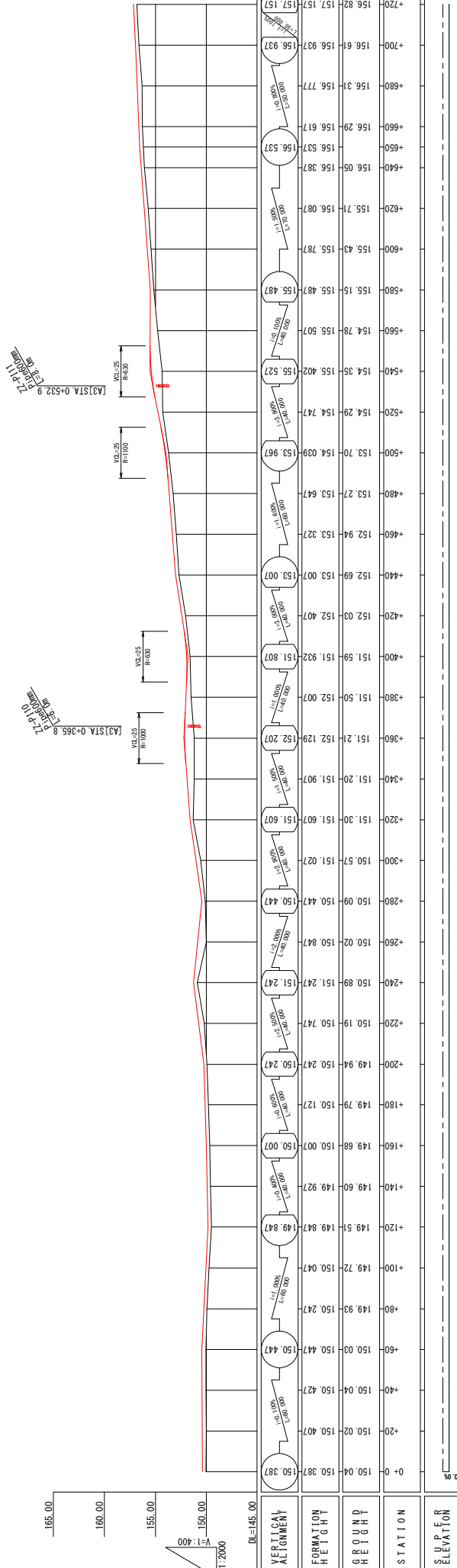
 THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	JAPAN INTERNATIONAL COOPERATION AGENCY  YACHIYO ENGINEERING CO., LTD.  NIPPON KOEI CO., LTD. 		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	DOLLUANG VILLAGE TRACT Route Zo Zang Road A2	SHEET CONTENTS PLAN & PROFILE (5/7) STA.0+0 ~ STA.0+598.7	SCALE As Shown	DATE DEC 2018	PAGE NO. 18 / 109

# PLAN & PROFILE (6/7)

PLAN S=1:2000



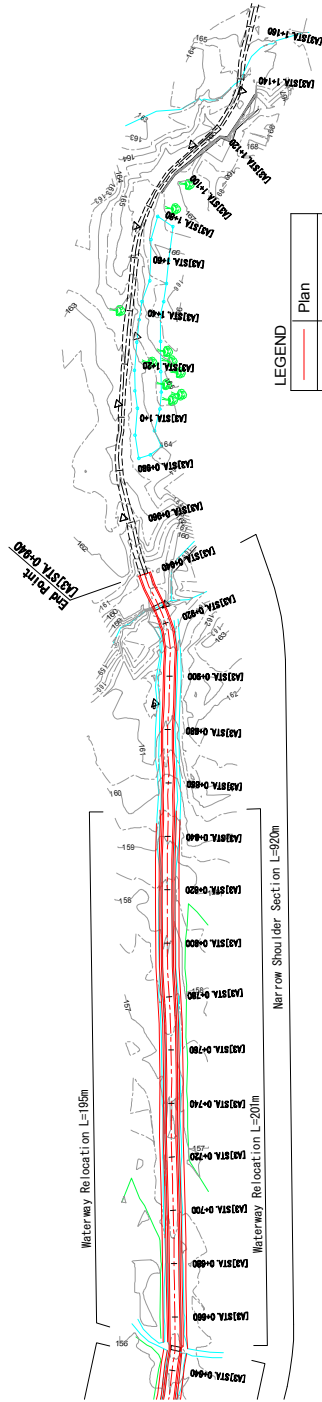
PROFILE V=1:400 H=1:2000



THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		SHEET CONTENTS PLAN & PROFILE (6/7) STA. 0+0 ~ STA. 0+700		SCALE	As Shown
		Dolluang Village Tract		Route Zo Zang Road A3		DATE	DEC 2018	PAGE NO.	19 / 109

# PLAN & PROFILE (7/7)

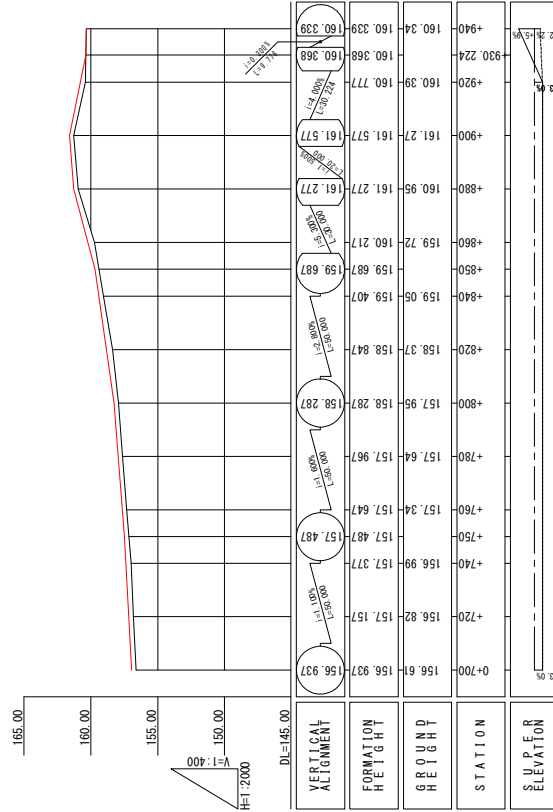
PLAN S=1:2000



**LEGEND**

	Plan
	Paddy Field
	Waterway
	Fence
	Existing Road
	Tree

PROFILE V=1:400  
H=1:2000

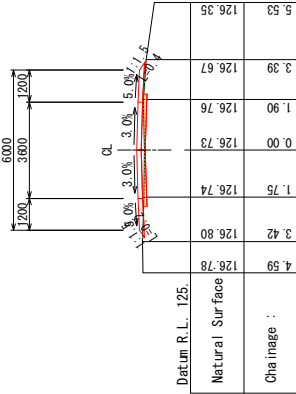


THE REPUBLIC OF THE UNION OF MYANMAR  CHIN STATE	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract  Route Zo Zang Road A3		SHEET CONTENTS  PLAN & PROFILE (7/7) STA.0+700 ~ STA.0+940		SCALE  DATE  PAGE NO.	As Shown  DEC 2018  20 / 109

# CROSS SECTION (1/12)

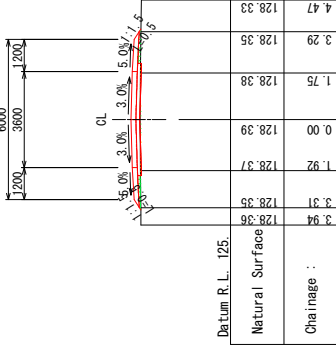
<b>[A1] STA. 0+100</b>	
Ground Height	126.72 m Formation Height
Earth Work	127.00 m
Cut	0.0 m Embankment
Shoulder	0.0 m
Subgrade	0.0 m
Surface	0.0 m
Shoulder	0.0 m
Base Course	0.0 m
Subgrade	0.0 m
Surface	0.0 m
Shoulder	0.0 m
Base Course	0.0 m

**[A1] STA. 0+100**  
 GH=126.73  
 FH=127.026



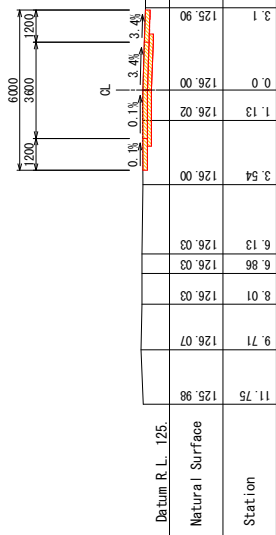
<b>[A1] STA. 0+300</b>	
Ground Height	128.39 m Formation Height
Earth Work	128.726 m
Cut	0.0 m Embankment
Shoulder	0.0 m
Subgrade	0.0 m
Surface	0.0 m
Shoulder	0.0 m
Base Course	0.0 m
Subgrade	0.0 m
Surface	0.0 m
Shoulder	0.0 m
Base Course	0.0 m

**[A1] STA. 0+300**  
 GH=128.39  
 FH=128.726



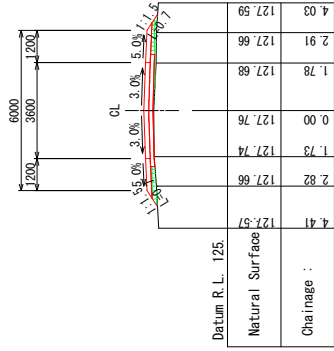
<b>[A1] STA. 0+0</b>	
Ground Height	126.00 m Formation Height
Earth Work	126.00 m
Cut	1.7 m Embankment
Shoulder	0.0 m
Subgrade	0.0 m
Surface	0.0 m
Shoulder	0.0 m
Base Course	0.0 m
Subgrade	0.0 m
Surface	0.0 m
Shoulder	0.0 m
Base Course	0.0 m

**[A1] STA. 0**  
 GH=126.00  
 FH=126.001



<b>[A1] STA. 0+200</b>	
Ground Height	127.76 m Formation Height
Earth Work	128.126 m
Cut	0.0 m Embankment
Shoulder	0.0 m
Subgrade	0.0 m
Surface	0.0 m
Shoulder	0.0 m
Base Course	0.0 m
Subgrade	0.0 m
Surface	0.0 m
Shoulder	0.0 m
Base Course	0.0 m

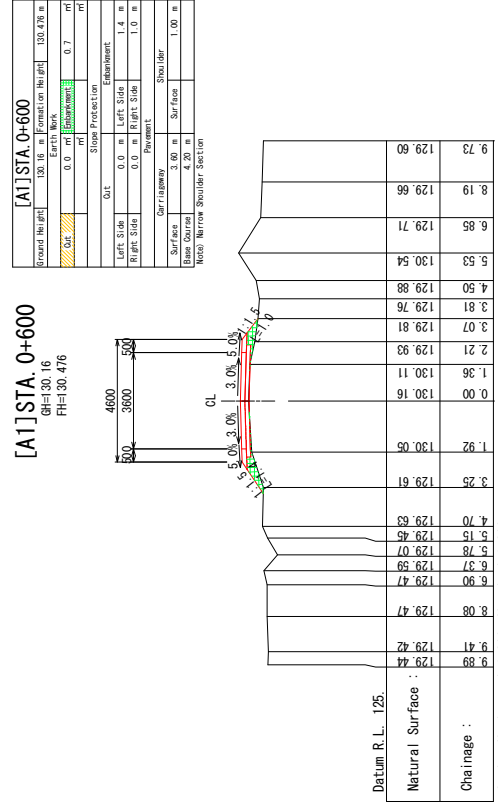
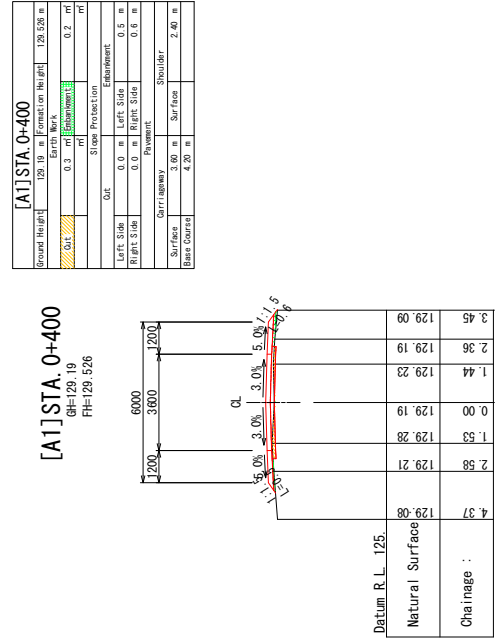
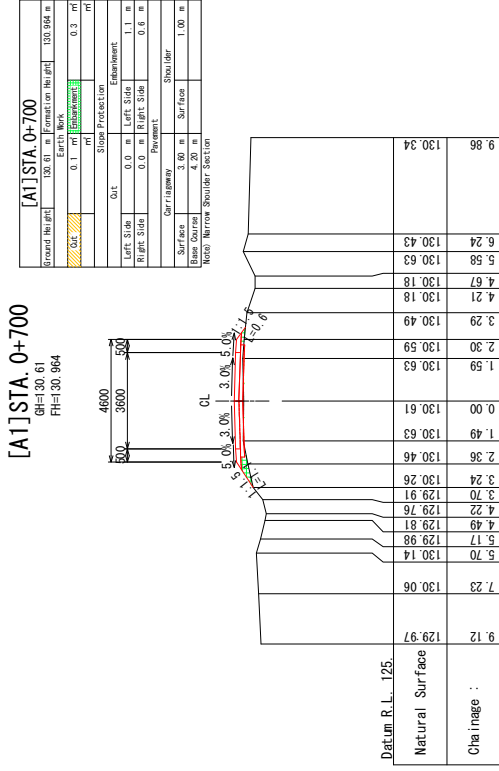
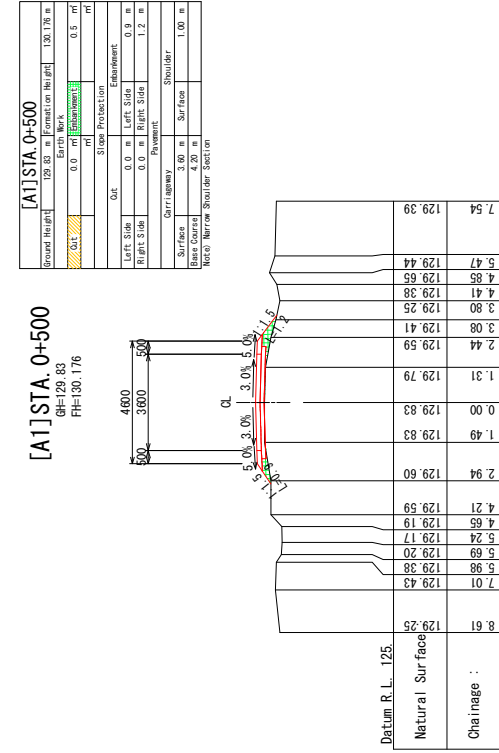
**[A1] STA. 0+200**  
 GH=127.76  
 FH=128.126



THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract	SHEET CONTENTS	SCALE	S=1:200
		JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.					DATE
		ROUTE 20 ZANG ROAD A1		CROSS SECTION (1/12) STA. 0+0 ~ STA. 0+300		DATE	DEC 2018
						PAGE NO.	21 / 109



# CROSS SECTION (2/12)

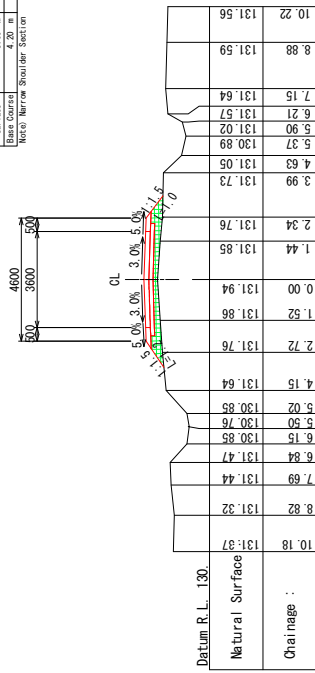


THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	FOR THE PROJECT		Dolluang Village Tract	SHEET CONTENTS		SCALE	S=1:200
		RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS			CROSS SECTION (2/12)			
		JAPAN INTERNATIONAL COOPERATION AGENCY		Route Zo Zang Road A1		DATE		DEC 2018
		YACHIYO ENGINEERING CO., LTD.		Route Zo Zang Road A1		PAGE NO.		22 / 109
		NIPPON KOEI CO., LTD.		Route Zo Zang Road A1				

# CROSS SECTION (3/12)

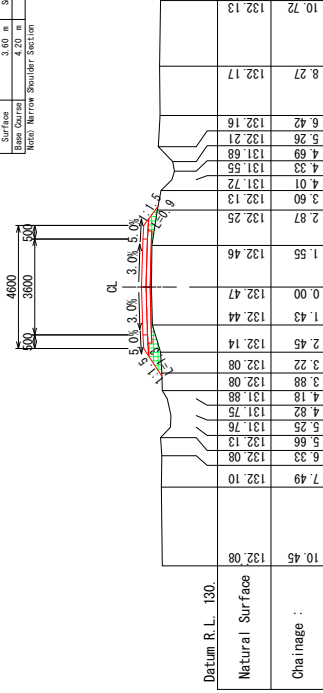
<b>[A1] STA. 0+900</b>	
Ground Height	131.95 m Formation Height 132.451 m
Earth Work	0.0 m
Out	0.0 m
3.00% Protection	1.6 m
Out	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Left Side	1.2 m
Right Side	1.0 m
Shoulder	1.00 m
Surface	3.60 m
Base Course	4.20 m
Shoulder	1.00 m
Note: Narrow Shoulder Section	

**[A1] STA. 0+900**  
 GH=131.95  
 FH=132.451



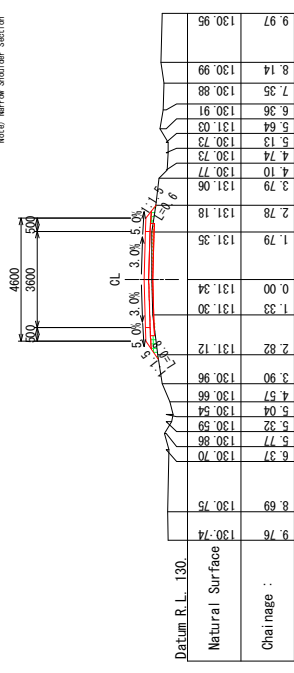
<b>[A1] STA. 1+100</b>	
Ground Height	132.47 m Formation Height 132.851 m
Earth Work	0.0 m
Out	0.0 m
3.00% Protection	0.8 m
Out	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Left Side	1.3 m
Right Side	0.9 m
Shoulder	1.00 m
Surface	3.60 m
Base Course	4.20 m
Shoulder	1.00 m
Note: Narrow Shoulder Section	

**[A1] STA. 1+100**  
 GH=132.47  
 FH=132.851



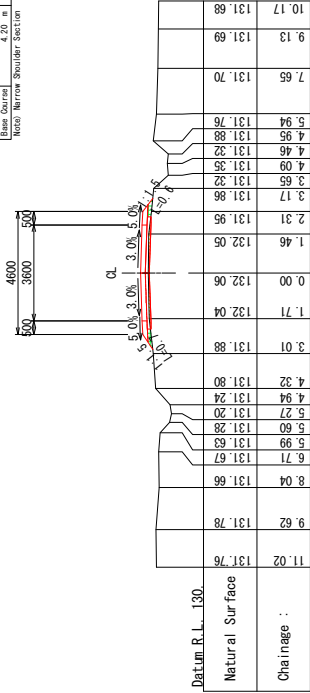
<b>[A1] STA. 0+800</b>	
Ground Height	131.34 m Formation Height 131.629 m
Earth Work	0.0 m
Out	0.2 m
3.00% Protection	0.2 m
Out	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Left Side	0.8 m
Right Side	0.6 m
Shoulder	1.00 m
Surface	3.60 m
Base Course	4.20 m
Shoulder	1.00 m
Note: Narrow Shoulder Section	

**[A1] STA. 0+800**  
 GH=131.34  
 FH=131.629



<b>[A1] STA. 1+0</b>	
Ground Height	132.06 m Formation Height 132.351 m
Earth Work	0.0 m
Out	0.2 m
3.00% Protection	0.2 m
Out	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Left Side	0.7 m
Right Side	0.6 m
Shoulder	1.00 m
Surface	3.60 m
Base Course	4.20 m
Shoulder	1.00 m
Note: Narrow Shoulder Section	

**[A1] STA. 1**  
 GH=132.06  
 FH=132.351



THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract		SHEET CONTENTS	SCALE S=1:200
		JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		Route Zo Zang Road A1			

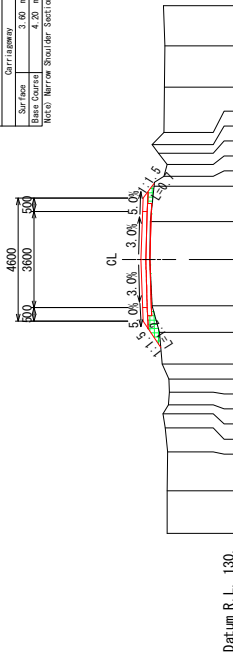
# CROSS SECTION (4/12)

**[A1] STA. 1+300**  
 GH=133.17  
 FH=133.501

Ground Height	133.17 m	Formation Height	133.501 m
Earth Work	0.0 m <sup>3</sup>	Embankment	0.0 m <sup>3</sup>
Out	0.0 m	Shoulder Protection	0.0 m
Out	0.0 m	Shoulder Protection	0.0 m
Left Side	0.0 m	Left Side	1.2 m
Right Side	0.0 m	Right Side	0.7 m
Surface	3.60 m	Surface	1.00 m
Base Course	4.20 m	Surface	1.00 m

Note: Narrow Shoulder Section

**[A1] STA. 1+300**  
 GH=133.17  
 FH=133.501



Datum R.L. 130.

Natural Surface	10.25	132.53	8.66	132.53	7.20	132.51	6.30	132.60	5.77	132.68	5.44	132.47	4.96	132.44	4.46	132.46	3.91	132.72	2.73	132.81	1.73	133.09	0.00	133.17	1.43	133.15	2.75	133.02	3.12	132.81	3.56	132.68	3.98	132.84	4.31	133.08	4.76	132.64	6.46	132.63	8.01	132.62	9.51	132.66
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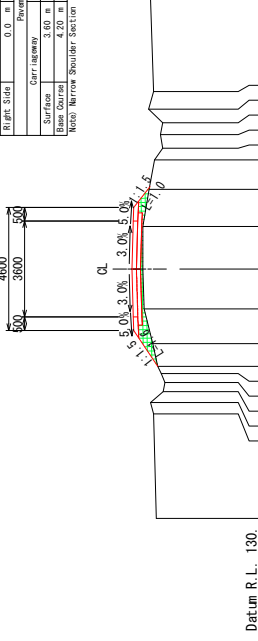
Chainage :

**[A1] STA. 1+500**  
 GH=134.38  
 FH=134.785

Ground Height	134.38 m	Formation Height	134.785 m
Earth Work	0.0 m <sup>3</sup>	Embankment	0.0 m <sup>3</sup>
Out	0.0 m	Shoulder Protection	1.0 m
Out	0.0 m	Shoulder Protection	1.0 m
Left Side	0.0 m	Left Side	1.6 m
Right Side	0.0 m	Right Side	1.0 m
Surface	3.60 m	Surface	1.00 m
Base Course	4.20 m	Surface	1.00 m

Note: Narrow Shoulder Section

**[A1] STA. 1+500**  
 GH=134.38  
 FH=134.785



Datum R.L. 130.

Natural Surface	9.34	133.86	5.43	133.97	5.00	134.09	4.61	133.61	4.61	133.61	4.25	133.54	3.92	133.68	3.65	133.81	2.79	134.00	1.49	134.33	0.00	134.38	1.58	134.37	2.98	134.13	4.08	133.93	4.52	133.62	5.03	133.72	5.47	133.63	5.97	134.14	6.64	133.96	10.09	134.09
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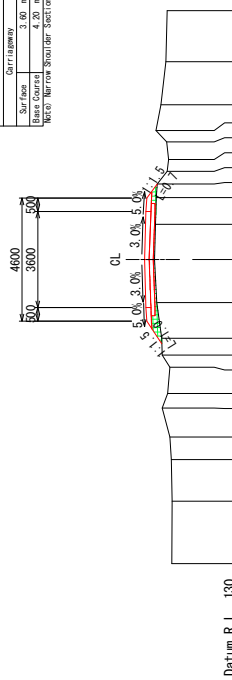
Chainage :

**[A1] STA. 1+200**  
 GH=133.04  
 FH=133.401

Ground Height	133.04 m	Formation Height	133.401 m
Earth Work	0.0 m <sup>3</sup>	Embankment	0.0 m <sup>3</sup>
Out	0.0 m	Shoulder Protection	0.0 m
Out	0.0 m	Shoulder Protection	0.0 m
Left Side	0.0 m	Left Side	1.0 m
Right Side	0.0 m	Right Side	0.7 m
Surface	3.60 m	Surface	1.00 m
Base Course	4.20 m	Surface	1.00 m

Note: Narrow Shoulder Section

**[A1] STA. 1+200**  
 GH=133.04  
 FH=133.401



Datum R.L. 130.

Natural Surface	11.37	132.38	9.05	132.38	7.48	132.40	6.63	132.45	5.56	132.75	5.01	132.54	4.03	132.74	3.58	132.74	2.94	132.76	1.61	132.94	0.00	133.04	1.32	133.00	1.32	132.96	2.32	132.93	2.82	132.93	3.31	132.55	3.74	132.50	4.40	132.58	5.79	132.80	7.41	132.61	9.32	132.56
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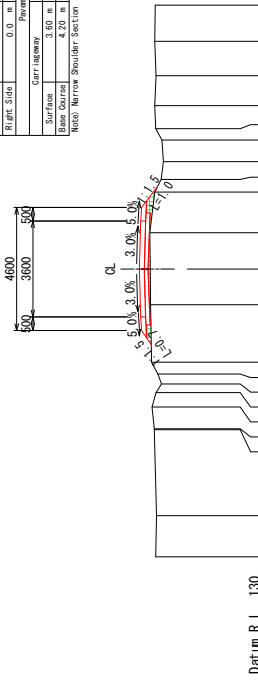
Chainage :

**[A1] STA. 1+400**  
 GH=134.17  
 FH=134.568

Ground Height	134.17 m	Formation Height	134.568 m
Earth Work	0.0 m <sup>3</sup>	Embankment	0.5 m <sup>3</sup>
Out	0.0 m	Shoulder Protection	0.5 m
Out	0.0 m	Shoulder Protection	0.5 m
Left Side	0.0 m	Left Side	0.7 m
Right Side	0.0 m	Right Side	1.0 m
Surface	3.60 m	Surface	1.00 m
Base Course	4.20 m	Surface	1.00 m

Note: Narrow Shoulder Section

**[A1] STA. 1+400**  
 GH=134.17  
 FH=134.568



Datum R.L. 130.

Natural Surface	10.78	133.97	6.01	134.01	5.99	134.01	5.18	134.11	4.63	133.94	4.30	133.87	3.83	133.75	3.50	134.11	1.35	134.15	0.00	134.17	1.36	134.18	2.88	134.00	4.02	133.67	4.83	133.72	5.24	133.97	5.97	133.99	6.10	133.99	7.23	133.95	8.52	134.00	9.87	133.97
-----------------	-------	--------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------	------	--------

Chainage :

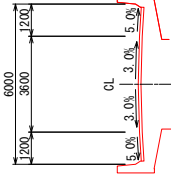
THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract		SHEET CONTENTS	SCALE	S=1:200
		JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		Route Zo Zang Road A1			CROSS SECTION (4/12) STA.1+200 ~ STA.1+500	DATE
							PAGE NO.	24 / 109

# CROSS SECTION (5/12)

[A1] STA. 1+700  
GH=134.58  
FH=137.721

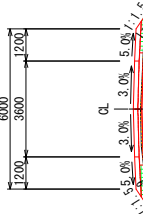
[D-A1] STA. 1+699. 863  
FH=137. 721

[A1] STA. 1+700	
Ground Height	134.58 m Formation Height
Earth Work	0.0 m
Subgrade	3.00 m
Shoulder	0.00 m
Surface	0.00 m
Base Course	0.00 m



Datum R. L. 130.		11.91		134.51	7.91		134.50	9.06	134.50	134.51	4.67	134.44	3.37	134.37	3.23	134.72	5.83	134.72	8.84	134.50	10.52	134.41	Natural Surface	
		Chainage :																						

[A1] STA. 1+900  
GH=135.89  
FH=136.156

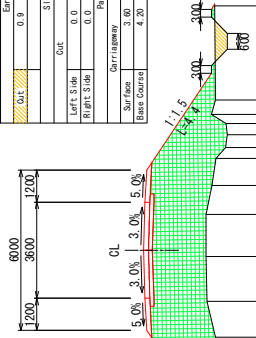


Datum R. L. 130.		8.09		135.75	8.09		135.83	6.57	135.03	135.03	7.16	135.83	1.31	135.82	3.20	135.73	4.82	135.65	135.65	135.65	4.82	135.65	Natural Surface	
		Chainage :																						

[A1] STA. 1+600  
GH=134.99  
FH=137.329

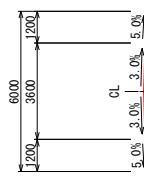
[D-A1] STA. 1+600. 004  
FH=137. 329

[A1] STA. 1+600	
Ground Height	134.99 m Formation Height
Earth Work	0.9 m
Subgrade	24.0 m
Shoulder	2.40 m
Surface	0.00 m
Base Course	4.20 m



Datum R. L. 130.		9.39		134.67	5.96		134.64	5.31	134.80	134.80	5.96	134.64	2.66	134.77	3.07	134.83	4.06	134.25	134.25	134.25	4.06	134.25	Natural Surface	
		Chainage :																						

[A1] STA. 1+800	
Ground Height	135.73 m Formation Height
Earth Work	0.5 m
Subgrade	14.5 m
Shoulder	2.40 m
Surface	0.00 m
Base Course	4.20 m



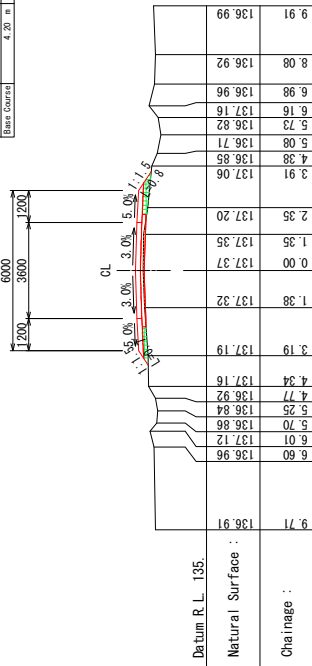
Datum R. L. 130.		10.63		135.15	5.22		135.28	5.99	135.08	135.08	5.22	135.28	3.79	135.40	1.56	135.65	1.50	135.65	2.97	135.52	4.66	135.26	10.91	135.33	Natural Surface	
		Chainage :																								

	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Dollyuang Village Tract  Route Zo Zang Road Zo Zang	SHEET CONTENTS  CROSS SECTION (5/12) STA.1+600 ~ STA.1+900
THE REPUBLIC OF THE UNION OF MYANMAR	JICA YACHIO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	SCALE S=1:200 DATE DEC 2018 PAGE NO. 25 / 109
CHIN STATE			

# CROSS SECTION (6/12)

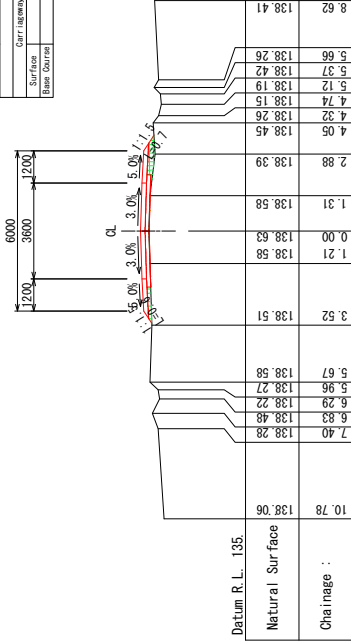
<b>[A1] STA. 2+100</b>	
Ground Height	137.37 m Formation Height
Earth Work	137.659 m
Out	0.1 m Embankment
3.00 m	Shoulder Protection
Out	Shoulder Protection
Left Side	0.0 m Left Side
Right Side	0.0 m Right Side
Surface	3.60 m Surface
Base Course	4.20 m Surface
Shoulder	2.40 m

[A1] STA. 2+100  
GH=137.37  
FH=137.659



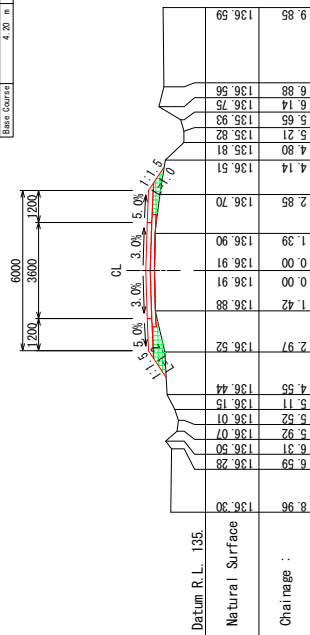
<b>[A1] STA. 2+300</b>	
Ground Height	138.63 m Formation Height
Earth Work	138.934 m
Out	0.0 m Embankment
3.00 m	Shoulder Protection
Out	Shoulder Protection
Left Side	0.0 m Left Side
Right Side	0.0 m Right Side
Surface	3.60 m Surface
Base Course	4.20 m Surface
Shoulder	2.40 m

[A1] STA. 2+300  
GH=138.63  
FH=138.894



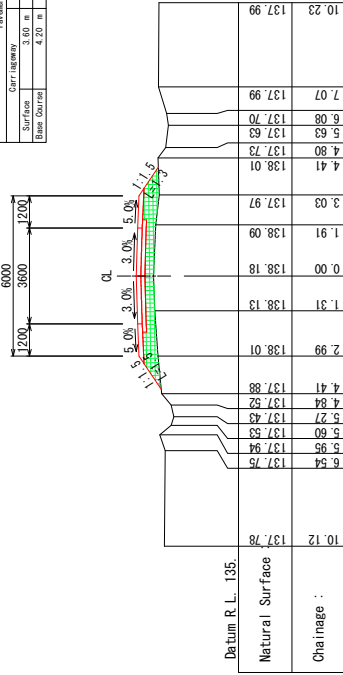
<b>[A1] STA. 2+0</b>	
Ground Height	138.91 m Formation Height
Earth Work	137.283 m
Out	0.0 m Embankment
3.00 m	Shoulder Protection
Out	Shoulder Protection
Left Side	0.0 m Left Side
Right Side	0.0 m Right Side
Surface	3.60 m Surface
Base Course	4.20 m Surface
Shoulder	2.40 m

[A1] STA. 2  
GH=136.91  
FH=137.243



<b>[A1] STA. 2+200</b>	
Ground Height	138.18 m Formation Height
Earth Work	138.854 m
Out	0.0 m Embankment
3.00 m	Shoulder Protection
Out	Shoulder Protection
Left Side	0.0 m Left Side
Right Side	0.0 m Right Side
Surface	3.60 m Surface
Base Course	4.20 m Surface
Shoulder	2.40 m

[A1] STA. 2+200  
GH=138.18  
FH=138.834

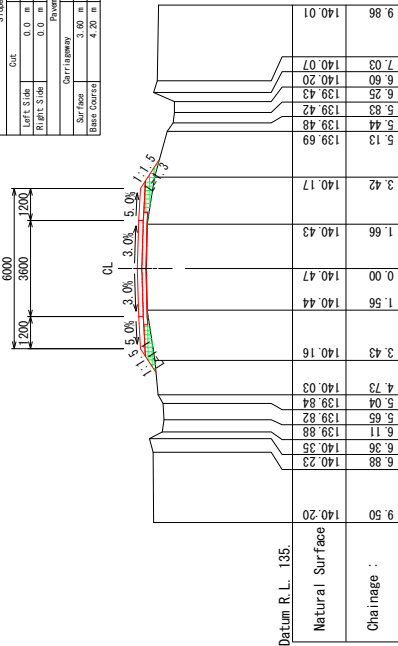


THE REPUBLIC OF THE UNION OF MYANMAR	JICA Y NIPPON KOEI CO., LTD.	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract Route Zo Zang Road A1	SHEET CONTENTS		SCALE	S=1:200
			CROSS SECTION (6/12) STA. 2+0 ~ STA. 2+300			DATE	DEC 2018	PAGE NO.	26 / 109

# CROSS SECTION (7/12)

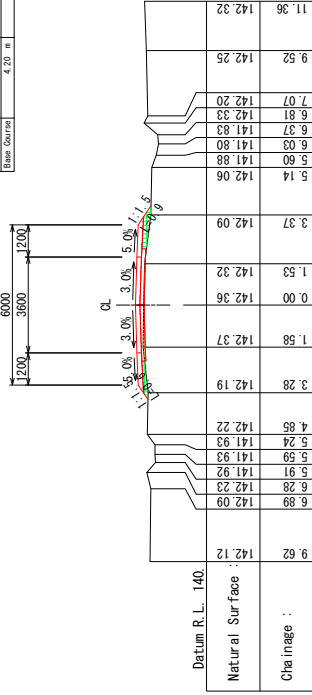
[A1] STA. 2+500  
 GH=140.47  
 FH=140.814

[A1] STA. 2+500	
Ground Height	140.47 m
Formation Height	140.814 m
Earth Work	0.0 m <sup>3</sup>
Out	0.0 m
Embankment	0.0 m
Shoulder Protection	0.0 m
Out	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Left Side	1.1 m
Right Side	1.3 m
Shoulder	2.40 m
Surface	3.60 m
Base Course	4.20 m



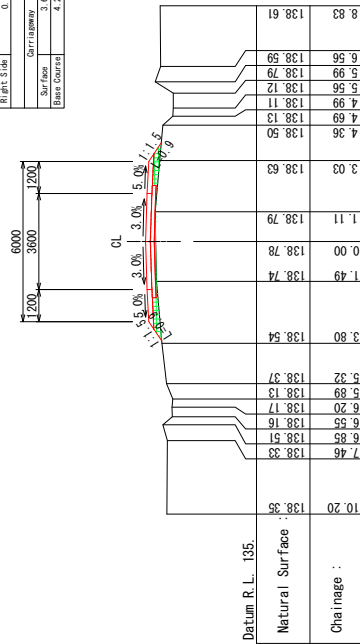
[A1] STA. 2+700	
Ground Height	142.37 m
Formation Height	142.699 m
Earth Work	0.1 m <sup>3</sup>
Out	0.1 m
Embankment	0.5 m
Shoulder Protection	0.0 m
Out	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Left Side	0.6 m
Right Side	0.9 m
Shoulder	2.40 m
Surface	3.60 m
Base Course	4.20 m

[A1] STA. 2+700  
 GH=142.37  
 FH=142.699



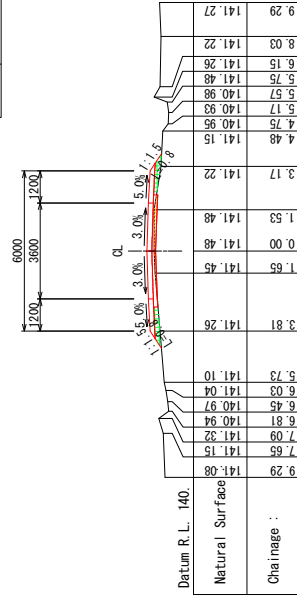
[A1] STA. 2+400  
 GH=138.76  
 FH=139.147

[A1] STA. 2+400	
Ground Height	138.76 m
Formation Height	139.147 m
Earth Work	0.0 m <sup>3</sup>
Out	0.0 m
Embankment	0.0 m
Shoulder Protection	0.0 m
Out	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Left Side	0.9 m
Right Side	0.9 m
Shoulder	2.40 m
Surface	3.60 m
Base Course	4.20 m



[A1] STA. 2+600	
Ground Height	141.48 m
Formation Height	141.759 m
Earth Work	0.2 m <sup>3</sup>
Out	0.2 m
Embankment	0.5 m
Shoulder Protection	0.0 m
Out	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Left Side	0.8 m
Right Side	0.8 m
Shoulder	2.40 m
Surface	3.60 m
Base Course	4.20 m

[A1] STA. 2+600  
 GH=141.48  
 FH=141.759

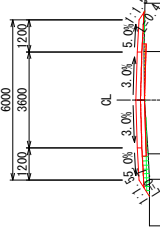


THE REPUBLIC OF THE UNION OF MYANMAR	JICA YCO NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract Route Zo Zang Road A1	SHEET CONTENTS CROSS SECTION (7/12) STA.2+400 ~ STA.2+700	SCALE	S=1:200
		DATE	DEC 2018				
CHIN STATE						DATE	DEC 2018
						PAGE NO.	27 / 109

# CROSS SECTION (8/12)

[A2] STA. 0+300  
GH=146.59  
FH=146.914

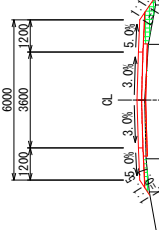
Ground Height	146.59 m	Formation Height	146.914 m
Earth Work	0.1 m <sup>3</sup>	Embankment	0.5 m <sup>3</sup>
Out	0.1 m	3.00 m Protection	0.5 m
Out		Shoulder	2.40 m
Left Side	0.0 m	Left Side	0.7 m
Right Side	0.0 m	Right Side	0.4 m
Pavement			
Curbside	3.60 m	Surface	2.40 m
Base Course	4.20 m	Shoulder	2.40 m



Datum R.L.	140.	146.40	146.40	146.40	146.59	146.60	146.57	146.55	146.50	11.14
Natural Surface										
Chainage		4.72	2.96	0.00	1.80	3.62	6.49			

[A2] STA. 0+200  
GH=145.42  
FH=145.714

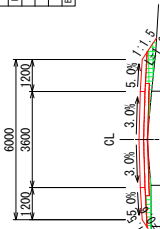
Ground Height	145.42 m	Formation Height	145.714 m
Earth Work	0.1 m <sup>3</sup>	Embankment	0.6 m <sup>3</sup>
Out	0.1 m	3.00 m Protection	0.6 m
Out		Shoulder	2.40 m
Left Side	0.0 m	Left Side	0.7 m
Right Side	0.0 m	Right Side	1.0 m
Pavement			
Curbside	3.60 m	Surface	2.40 m
Base Course	4.20 m	Shoulder	2.40 m



Datum R.L.	140.	144.87	145.25	145.42	145.29	145.01	145.20	145.20	145.20	4.99
Natural Surface										
Chainage		5.64	3.43	0.00	2.09	3.56				

[A2] STA. 0+100  
GH=144.51  
FH=144.814

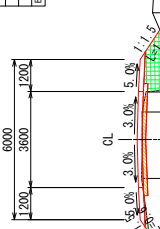
Ground Height	144.51 m	Formation Height	144.814 m
Earth Work	0.0 m <sup>3</sup>	Embankment	0.8 m <sup>3</sup>
Out	0.0 m	3.00 m Protection	0.8 m
Out		Shoulder	2.40 m
Left Side	0.0 m	Left Side	0.6 m
Right Side	0.0 m	Right Side	1.0 m
Pavement			
Curbside	3.60 m	Surface	2.40 m
Base Course	4.20 m	Shoulder	2.40 m



Datum R.L.	140.	144.39	144.35	144.37	144.51	144.33	144.19	144.19	144.19	3.31
Natural Surface										
Chainage		5.57	3.26	1.71	0.00	1.81	3.31			

[A2] STA. 0  
GH=143.55  
FH=143.754

Ground Height	143.55 m	Formation Height	143.754 m
Earth Work	0.6 m <sup>3</sup>	Embankment	1.4 m <sup>3</sup>
Out	0.6 m	3.00 m Protection	1.4 m
Out		Shoulder	2.40 m
Left Side	0.0 m	Left Side	0.6 m
Right Side	0.0 m	Right Side	1.3 m
Pavement			
Curbside	3.60 m	Surface	2.40 m
Base Course	4.20 m	Shoulder	2.40 m



Datum R.L.	140.	143.09	143.29	143.59	143.55	143.41	143.80	142.86	142.80	10.77
Natural Surface										
Chainage		10.77	3.73	1.46	0.00	1.72	1.85	3.20	4.03	

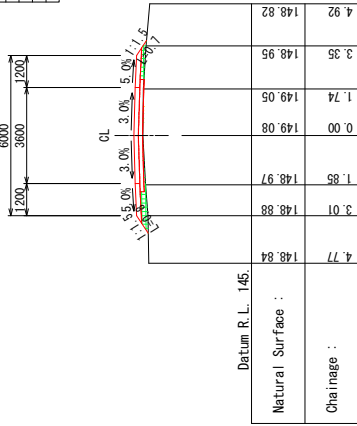
THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract Route Zo Zang Road A2	SHEET CONTENTS		SCALE S=1:200
		CROSS SECTION 8(12) STA.0+0 ~ STA.0+300			DATE DEC 2018	PAGE NO. 28 / 109	

# CROSS SECTION (9/12)

**[A2] STA. 0+500**

Ground Height	149.08 m	Formation Height	149.414 m
Earth Work	0.0 m <sup>3</sup>	Embankment	0.0 m <sup>3</sup>
Out	0.0 m	Shoulder Protection	0.0 m
Out	0.0 m	Enbankment	0.0 m
Left Side	0.0 m	Left Side	0.8 m
Right Side	0.0 m	Right Side	0.7 m
Pavement	0.0 m	Shoulder	2.40 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m		

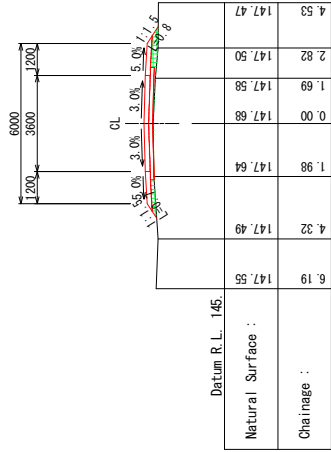
**[A2] STA. 0+500**  
 GH=149.08  
 FH=149.414



**[A2] STA. 0+400**

Ground Height	147.68 m	Formation Height	148.014 m
Earth Work	0.0 m <sup>3</sup>	Embankment	0.0 m <sup>3</sup>
Out	0.0 m	Shoulder Protection	0.0 m
Out	0.0 m	Enbankment	0.0 m
Left Side	0.0 m	Left Side	0.7 m
Right Side	0.0 m	Right Side	0.8 m
Pavement	0.0 m	Shoulder	2.40 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m		

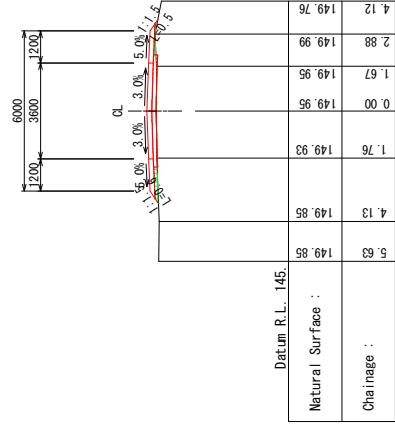
**[A2] STA. 0+400**  
 GH=147.68  
 FH=148.014



**[A2] STA. 0+580**

Ground Height	149.95 m	Formation Height	150.294 m
Earth Work	0.0 m <sup>3</sup>	Embankment	0.3 m <sup>3</sup>
Out	0.0 m	Shoulder Protection	0.0 m
Out	0.0 m	Enbankment	0.0 m
Left Side	0.0 m	Left Side	0.6 m
Right Side	0.0 m	Right Side	0.5 m
Pavement	0.0 m	Shoulder	2.40 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m		

**[A2] STA. 0+580**  
 GH=149.95  
 FH=150.294



THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract		SHEET CONTENTS	
		JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		Route Zo Zang Road A2		CROSS SECTION (9/12) STA.0+400 ~ STA.0+580	
		SCALE		DATE		PAGE NO.	
		S=1:200		DEC 2018		29 / 109	



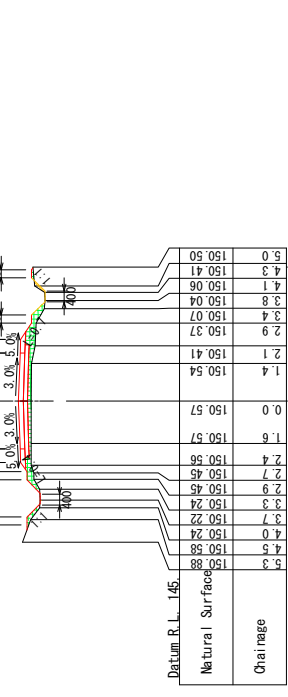
# CROSS SECTION (10/12)

**[A3] STA. 0+100**  
GH=149.72  
FH=150.047

Ground Height	149.72 m	Formation Height	150.047 m
Earth Work	0.1 m	Embankment	0.3 m
Out	0.1 m	Embankment	0.3 m
3.00% Protection			
Out			
Left Side	0.0 m	Left Side	0.5 m
Right Side	0.0 m	Right Side	0.9 m
Pavement			
Curr. Layer	3.60 m	Shoulder	1.00 m
Surface	3.60 m	Surface	1.00 m
Base Course	4.20 m	Surface	1.00 m
Note: Narrow Shoulder Section			

**[A3] STA. 0+300**  
GH=150.57  
FH=151.027

Ground Height	150.57 m	Formation Height	151.027 m
Earth Work	0.1 m	Embankment	1.4 m
Out	0.1 m	Embankment	1.4 m
3.00% Protection			
Out			
Left Side	0.0 m	Left Side	0.4 m
Right Side	0.0 m	Right Side	0.7 m
Pavement			
Curr. Layer	3.60 m	Shoulder	1.00 m
Surface	3.60 m	Surface	1.00 m
Base Course	4.20 m	Surface	1.00 m
Note: Narrow Shoulder Section			

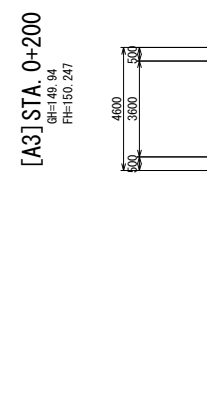


Datum R. L. 145.

Natural Surface	12.0	149.37	149.29	149.63	148.68	149.78	149.72	149.78	149.72	149.67	149.67	149.36	149.47	10.6
Chainage														

**[A3] STA. 0+200**  
GH=149.94  
FH=150.241

Ground Height	149.94 m	Formation Height	150.241 m
Earth Work	0.2 m	Embankment	0.1 m
Out	0.2 m	Embankment	0.1 m
3.00% Protection			
Out			
Left Side	0.0 m	Left Side	0.6 m
Right Side	0.0 m	Right Side	0.3 m
Pavement			
Curr. Layer	3.60 m	Shoulder	1.00 m
Surface	3.60 m	Surface	1.00 m
Base Course	4.20 m	Surface	1.00 m
Note: Narrow Shoulder Section			



Datum R. L. 145.

Natural Surface	9.1	149.88	149.72	149.71	149.71	149.88	149.94	150.00	150.04	150.04	149.66	149.66	149.66	6.9
Chainage														

**[A3] STA. 0+100**  
GH=149.72  
FH=150.047

Ground Height	149.72 m	Formation Height	150.047 m
Earth Work	0.1 m	Embankment	0.3 m
Out	0.1 m	Embankment	0.3 m
3.00% Protection			
Out			
Left Side	0.0 m	Left Side	0.5 m
Right Side	0.0 m	Right Side	0.9 m
Pavement			
Curr. Layer	3.60 m	Shoulder	1.00 m
Surface	3.60 m	Surface	1.00 m
Base Course	4.20 m	Surface	1.00 m
Note: Narrow Shoulder Section			

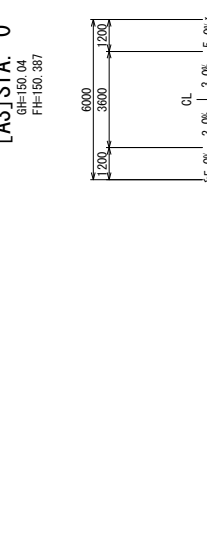


Datum R. L. 145.

Natural Surface	12.0	149.37	149.29	149.63	148.68	149.78	149.72	149.78	149.72	149.67	149.67	149.36	149.47	10.6
Chainage														

**[A3] STA. 0+0**  
GH=150.04  
FH=150.387

Ground Height	150.04 m	Formation Height	150.387 m
Earth Work	0.1 m	Embankment	0.2 m
Out	0.1 m	Embankment	0.2 m
3.00% Protection			
Out			
Left Side	0.0 m	Left Side	0.6 m
Right Side	0.0 m	Right Side	0.3 m
Pavement			
Curr. Layer	3.60 m	Shoulder	2.40 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m	Surface	2.40 m



Datum R. L. 145.0

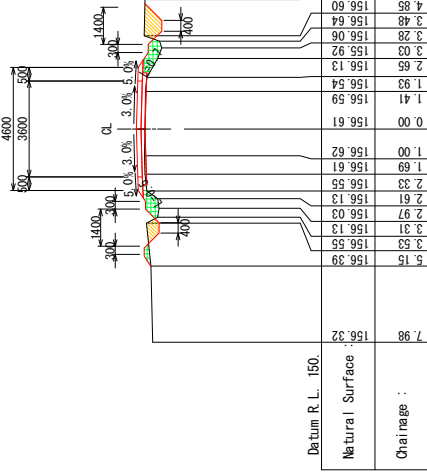
Natural Surface	8.19	149.88	149.96	149.97	149.98	150.04	150.04	150.03	150.08	150.08	150.10	150.08	150.08	7.79
OFFSET														

THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract		SCALE S=1:200
		FOR ROUTE INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Route Zo Zang Road A3		
		JICA YEP NIPPON KOEI CO., LTD.		JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		PAGE NO. 30 / 109
				CROSS SECTION (10/12) STA. 0+0 ~ STA. 0+300		

# CROSS SECTION (11/12)

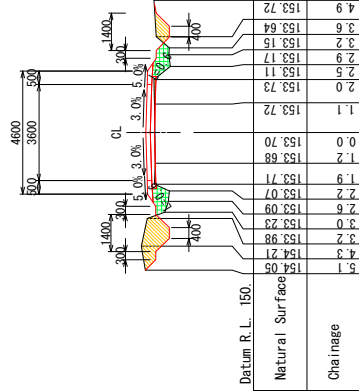
**[A3] STA. 0+700**  
 GH=156.61  
 FH=156.837

Ground Height	156.61 m	Formation Height	156.937 m
Earth Work	0.9 m <sup>3</sup>	Embankment	1.8 m <sup>3</sup>
Out	0.9 m <sup>3</sup>	3.0m Protection	1.8 m <sup>3</sup>
Left Side	0.0 m	Left Side	0.5 m
Right Side	0.0 m	Right Side	0.7 m
Surface	3.60 m	Surface	1.00 m
Base Course	4.20 m	Shoulder	1.00 m
N=0.0 Narrow Shoulder Section			



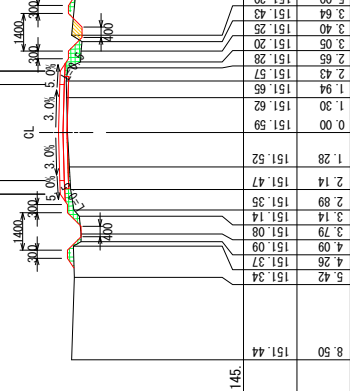
**[A3] STA. 0+500**  
 GH=153.70  
 FH=154.039

Ground Height	153.70 m	Formation Height	154.039 m
Earth Work	1.8 m <sup>3</sup>	Embankment	1.1 m <sup>3</sup>
Out	1.8 m <sup>3</sup>	3.0m Protection	1.1 m <sup>3</sup>
Left Side	0.0 m	Left Side	0.6 m
Right Side	0.0 m	Right Side	0.6 m
Surface	3.60 m	Surface	1.00 m
Base Course	4.20 m	Shoulder	1.00 m
N=0.0 Narrow Shoulder Section			



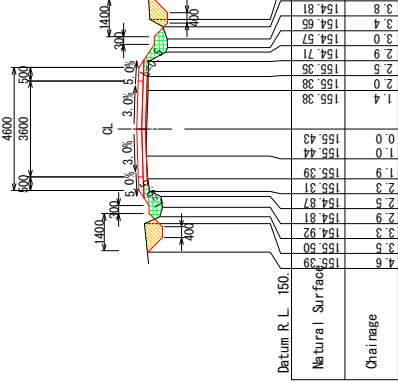
**[A3] STA. 0+400**  
 GH=151.59  
 FH=151.932

Ground Height	151.59 m	Formation Height	151.932 m
Earth Work	0.2 m <sup>3</sup>	Embankment	1.1 m <sup>3</sup>
Out	0.2 m <sup>3</sup>	3.0m Protection	1.1 m <sup>3</sup>
Left Side	0.0 m	Left Side	0.5 m
Right Side	0.0 m	Right Side	0.5 m
Surface	3.60 m	Surface	1.00 m
Base Course	4.20 m	Shoulder	1.00 m
N=0.0 Narrow Shoulder Section			



**[A3] STA. 0+600**  
 GH=155.43  
 FH=155.787

Ground Height	155.43 m	Formation Height	155.787 m
Earth Work	1.1 m <sup>3</sup>	Embankment	1.2 m <sup>3</sup>
Out	1.1 m <sup>3</sup>	3.0m Protection	1.2 m <sup>3</sup>
Left Side	0.0 m	Left Side	0.6 m
Right Side	0.0 m	Right Side	1.1 m
Surface	3.60 m	Surface	1.00 m
Base Course	4.20 m	Shoulder	1.00 m
N=0.0 Narrow Shoulder Section			

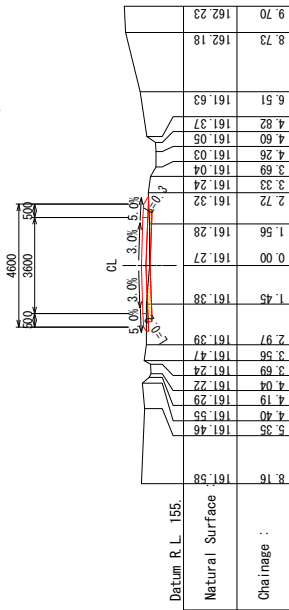


THE REPUBLIC OF THE UNION OF MYANMAR	JICA YEP NIPPON KOEI CO., LTD.	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract Route Zo Zang Road A3	SHEET CONTENTS		
			CROSS SECTION (11/12) STA.0+400 ~ STA.0+700			SCALE S=1:200	DATE DEC 2018	PAGE NO. 31 / 109

# CROSS SECTION (12/12)

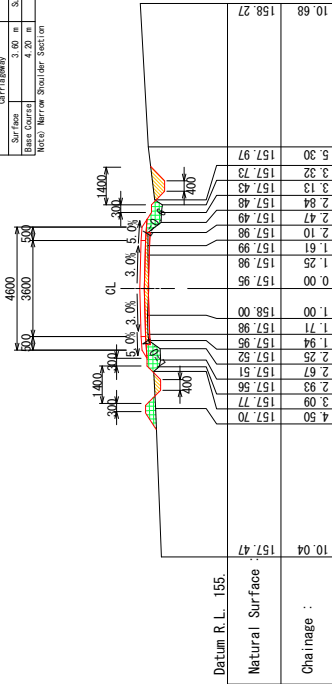
[A3] STA. 0+900  
 GH=161.27  
 FH=161.577

[A3] STA. 0+900	
Ground Height	161.27 m Formation Height 161.577 m
Earth Work	0.0 m <sup>3</sup> Embankment 0.0 m <sup>3</sup>
Out	0.4 m <sup>2</sup> Embankment 0.0 m <sup>2</sup>
Side Protection	0.0 m <sup>2</sup>
Out	0.0 m <sup>2</sup>
Left Side	0.0 m Left Side 0.2 m
Right Side	0.0 m Right Side 0.3 m
Pavement	0.0 m <sup>2</sup>
Shoulder	2.60 m Surface 1.00 m
Base Course	4.20 m
Note: Narrow Shoulder Section	



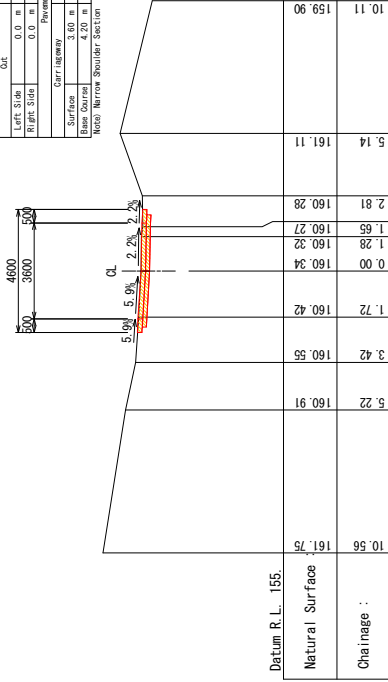
[A3] STA. 0+800	
Ground Height	157.95 m Formation Height 158.287 m
Earth Work	1.0 m <sup>3</sup> Embankment 1.2 m <sup>3</sup>
Out	1.0 m <sup>2</sup> Embankment 1.2 m <sup>2</sup>
Side Protection	0.0 m <sup>2</sup>
Out	0.0 m <sup>2</sup>
Left Side	0.0 m Left Side 0.4 m
Right Side	0.0 m Right Side 0.5 m
Pavement	0.0 m <sup>2</sup>
Shoulder	2.60 m Surface 1.00 m
Base Course	4.20 m
Note: Narrow Shoulder Section	

[A3] STA. 0+800  
 GH=157.95  
 FH=158.287



[A3] STA. 0+940	
Ground Height	160.34 m Formation Height 160.339 m
Earth Work	1.4 m <sup>3</sup> Embankment 0.0 m <sup>3</sup>
Out	1.4 m <sup>2</sup> Embankment 0.0 m <sup>2</sup>
Side Protection	0.0 m <sup>2</sup>
Out	0.0 m <sup>2</sup>
Left Side	0.0 m Left Side 0.0 m
Right Side	0.0 m Right Side 0.0 m
Pavement	0.0 m <sup>2</sup>
Shoulder	2.60 m Surface 1.00 m
Base Course	4.20 m
Note: Narrow Shoulder Section	

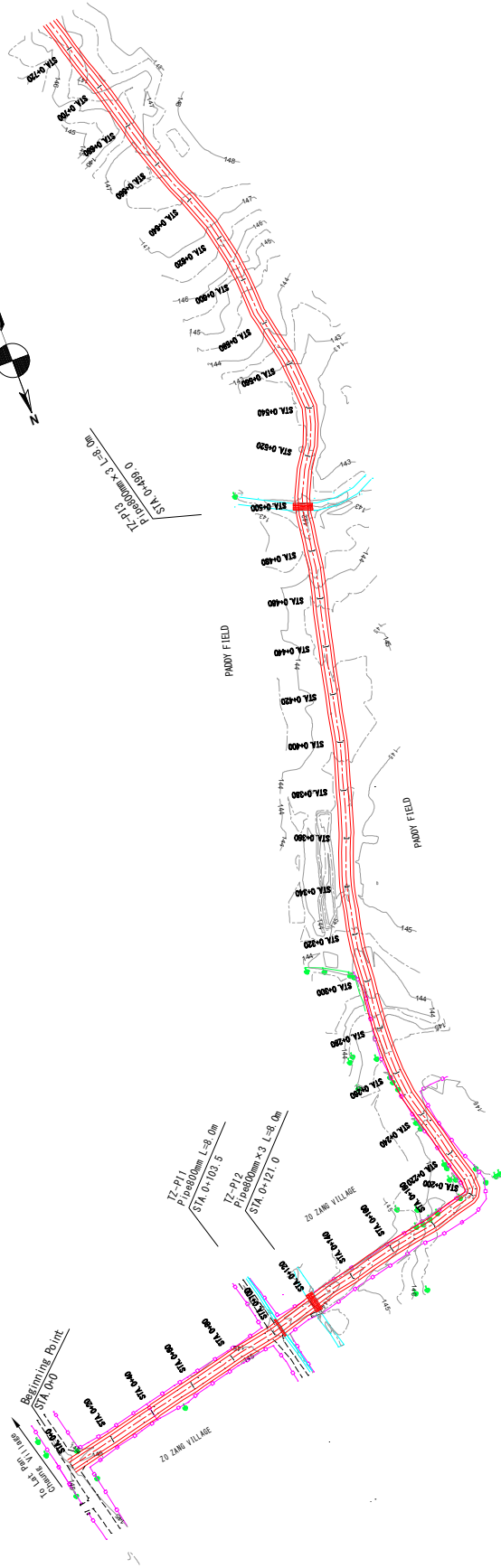
[A3] STA. 0+940  
 GH=160.34  
 FH=160.339



THE REPUBLIC OF THE UNION OF MYANMAR	JICA YCO NIPPON KOEI CO., LTD.	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract		SHEET CONTENTS		SCALE	S=1:200
			CHIN STATE		Route Zo Zang Road A3		CROSS SECTION (12/12) STA.0+700 ~ STA.0+940		DATE	DEC 2018
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# PLAN & PROFILE (1/4)

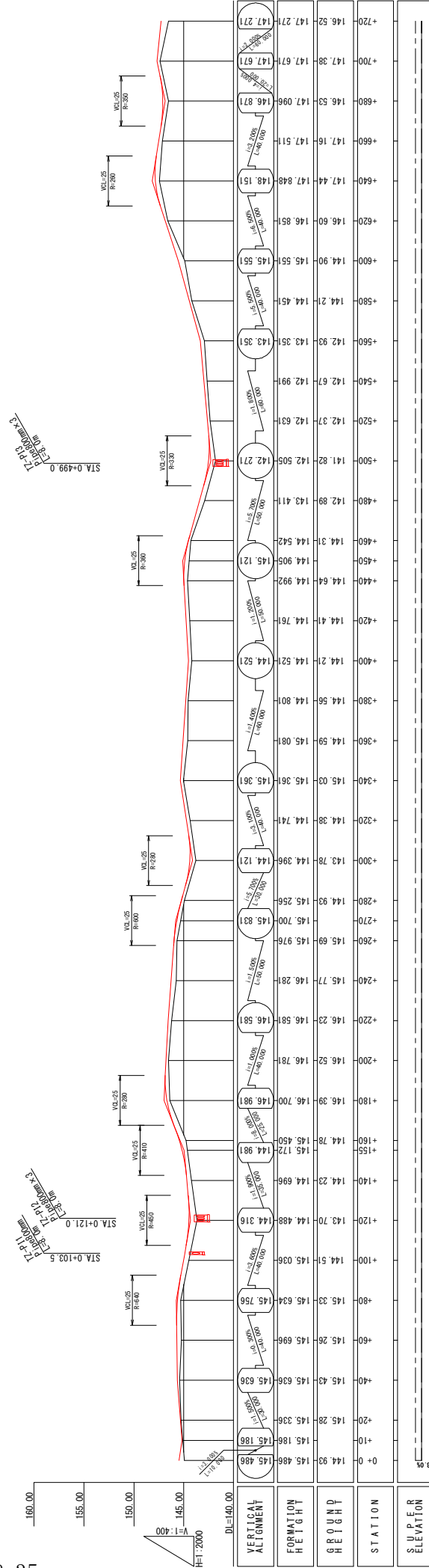
PLAN S=1:2000



**LEGEND**

	Plan
	Paddy Field
	Waterway
	Fence
	Existing Road
	Tree

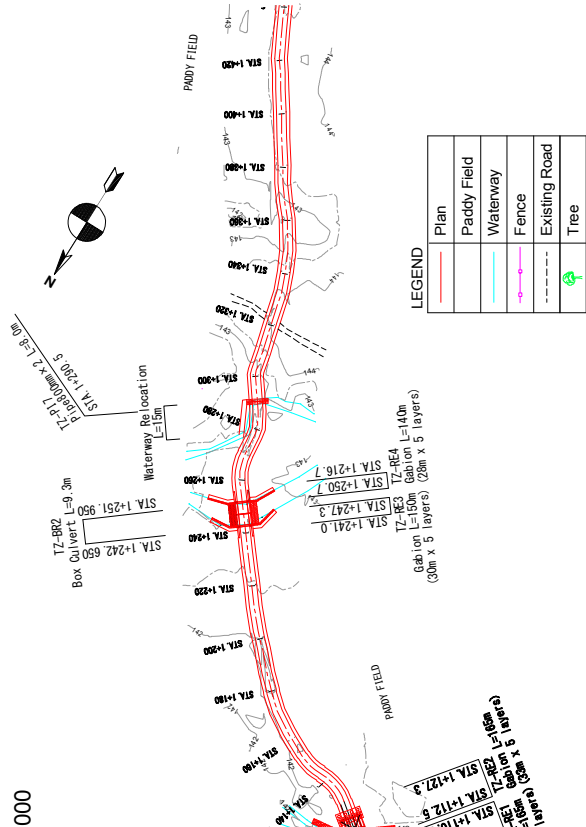
PROFILE V=1:400  
H=1:2000



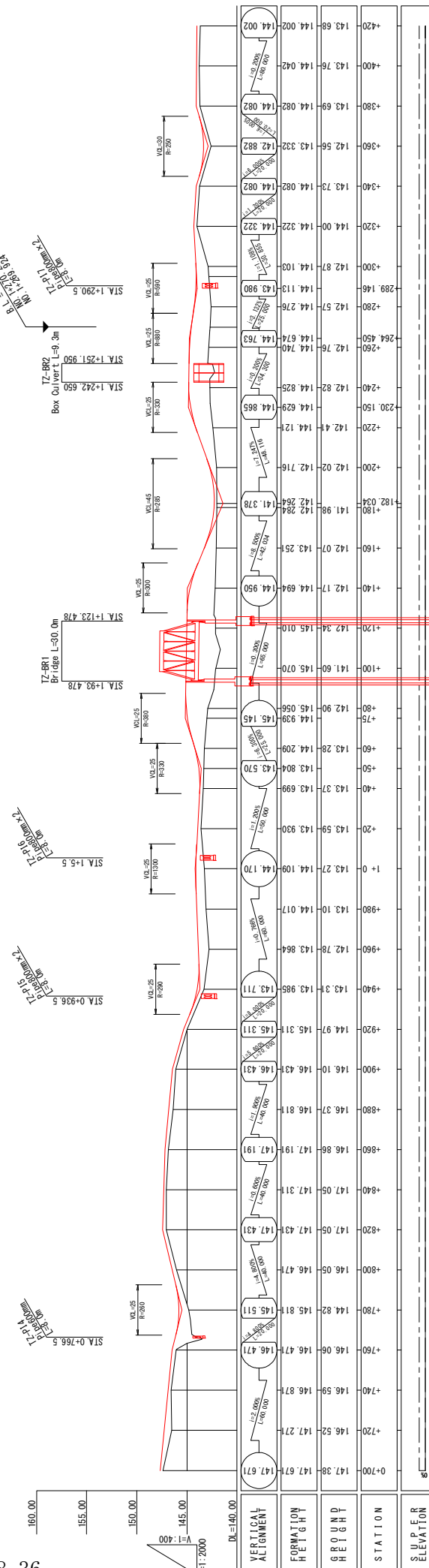
THE REPUBLIC OF THE UNION OF MYANMAR	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		SHEET CONTENTS PLAN & PROFILE (1/4) STA. 0+0 ~ STA. 0+700		SCALE As Shown
	CHIN STATE	DOLLUANG VILLAGE TRACT Route Tan Zan		DATE DEC 2018		PAGE NO. 33 / 109	

# PLAN & PROFILE (2/4)

PLAN S=1:2000



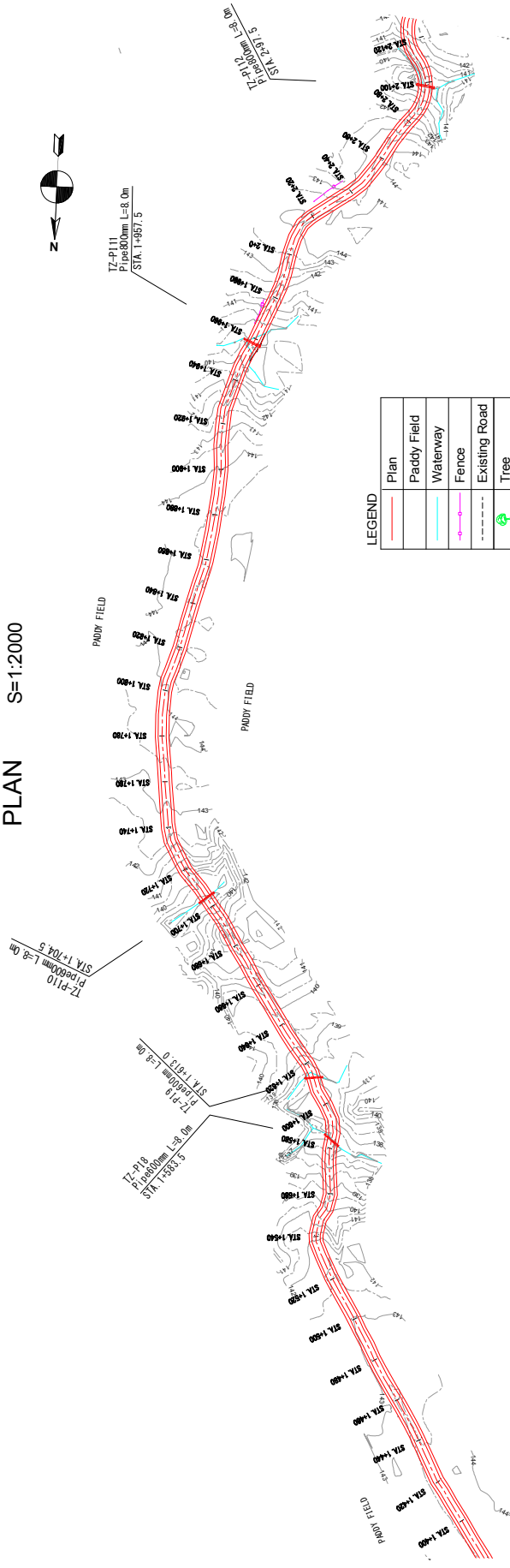
PROFILE V=1:400 H=1:2000



THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		DOLLUANG VILLAGE TRACT ROUTE TAN ZAN		SHEET CONTENTS PLAN & PROFILE (2/4) STA.0+720 ~ STA.1+400		SCALE	As Shown
		JICA JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		DATE	DEC 2018	PAGE NO.	34 / 109

# PLAN & PROFILE (3/4)

PLAN S=1:2000

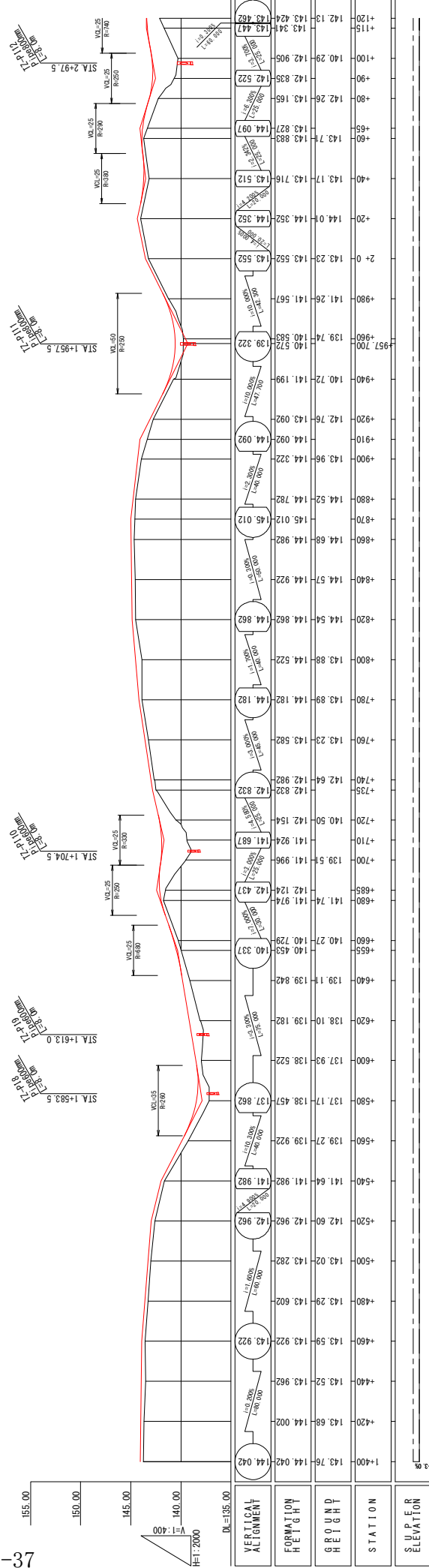


**LEGEND**

	Plan
	Paddy Field
	Waterway
	Fence
	Existing Road
	Tree

V=1:400  
H=1:2000

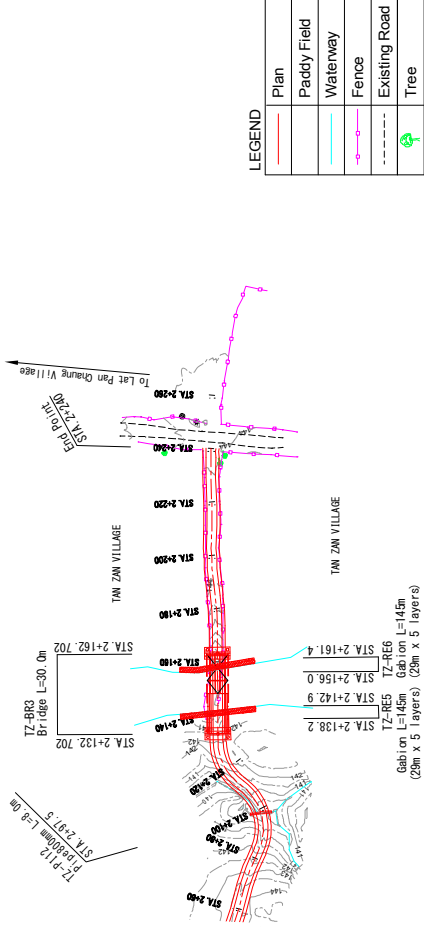
A8-37



THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE			THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		DOLLUANG VILLAGE TRACT Route Tan Zan		SHEET CONTENTS PLAN & PROFILE (3/4) STA.1+1420 ~ STA.2+100		SCALE	As Shown
										DATE	DEC 2018
										PAGE NO.	35 / 109

# PLAN & PROFILE (4/4)

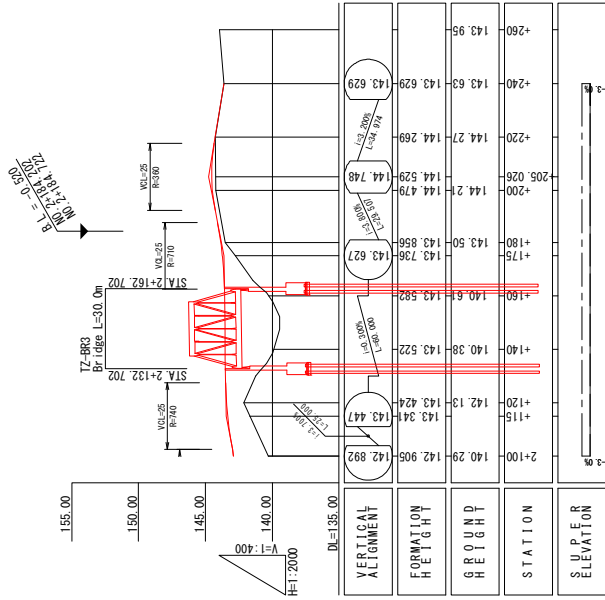
PLAN S=1:2000



**LEGEND**

	Plan
	Paddy Field
	Waterway
	Fence
	Existing Road
	Tree

V=1:400  
H=1:2000

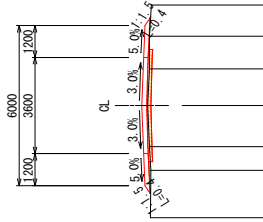


THE REPUBLIC OF THE UNION OF MYANMAR	JICA YACHYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract Route Tan Zan	SHEET CONTENTS PLAN & PROFILE (4/4) STA.2+120 ~ STA.2+260	SCALE	As Shown
		DATE	DEC 2018				
CHIN STATE						PAGE NO.	36 / 109

# CROSS SECTION (1/15)

**STA. 0+40**  
GH=145.43  
FH=145.636

<b>STA. 0+40</b>		Formation Height	145.636 m
Ground Height		145.43 m	
Earth Work		0.1 m <sup>3</sup>	
Cut		0.4 m	
Fill		0.1 m	
Shoulder Protection			
Out			
Embankment			
Left Side	0.0 m	Left Side	0.4 m
Right Side	0.0 m	Right Side	0.4 m
Pavement			
Curbside		3.60 m	Shoulder
Surface		3.60 m	Surface
Base Course		4.20 m	Surface

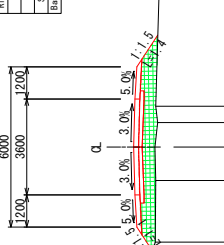


Datum R.L. 140.

Natural Surface	4.2	145.32	145.31	145.38	145.43	145.36	145.36	145.36	145.28	3.8
Chainage										

**STA. 0+120**  
GH=143.70  
FH=144.488

<b>STA. 0+120</b>		Formation Height	144.488 m
Ground Height		143.70 m	
Earth Work		0.0 m <sup>3</sup>	
Cut		0.0 m	
Fill		0.0 m	
Shoulder Protection			
Out			
Embankment			
Left Side	0.0 m	Left Side	1.1 m
Right Side	0.0 m	Right Side	1.4 m
Pavement			
Curbside		3.60 m	Shoulder
Surface		3.60 m	Surface
Base Course		4.20 m	Surface

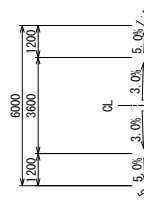


Datum R.L. 140.

Natural Surface	5.8	144.41	143.67	143.66	143.70	143.66	143.59	143.66	143.55	5.6
Chainage										

**STA. 0**  
GH=144.93  
FH=145.486

<b>STA. 0+0</b>		Formation Height	145.486 m
Ground Height		144.93 m	
Earth Work		1.1 m <sup>3</sup>	
Cut		0.0 m	
Fill		1.1 m	
Shoulder Protection			
Out			
Embankment			
Left Side	0.0 m	Left Side	0.5 m
Right Side	0.0 m	Right Side	0.6 m
Pavement			
Curbside		3.60 m	Shoulder
Surface		3.60 m	Surface
Base Course		4.20 m	Surface

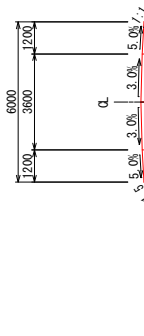


Datum R.L. 140.

Natural Surface	12.0	145.09	145.14	145.12	144.93	145.08	145.17	145.17	14.3
Chainage									

**STA. 0+80**  
GH=145.33  
FH=145.634

<b>STA. 0+80</b>		Formation Height	145.634 m
Ground Height		145.33 m	
Earth Work		0.1 m <sup>3</sup>	
Cut		0.1 m	
Fill		0.4 m	
Shoulder Protection			
Out			
Embankment			
Left Side	0.0 m	Left Side	0.7 m
Right Side	0.0 m	Right Side	0.6 m
Pavement			
Curbside		3.60 m	Shoulder
Surface		3.60 m	Surface
Base Course		4.20 m	Surface



Datum R.L. 140.

Natural Surface	3.5	145.15	145.16	145.24	145.33	145.33	145.28	145.17	4.0
Chainage									

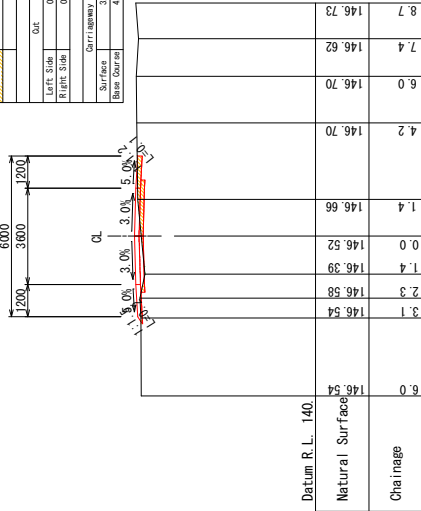
THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract		SHEET CONTENTS		SCALE	S=1:200
		JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		Route Tan Zan		CROSS SECTION (1/15) STA.0+0 ~ STA.0+120		DATE	DEC 2018
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# CROSS SECTION (2/15)

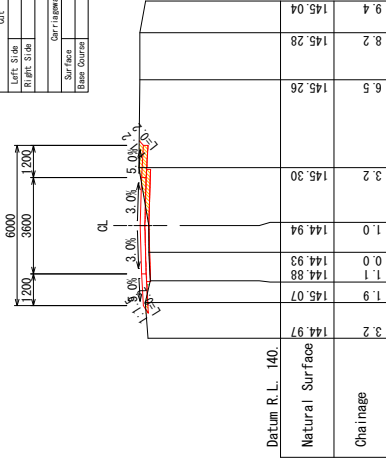
STA. 0+200  
GH=146.52  
FH=146.781

Ground Height	146.52 m	Formation Height	146.781 m
Earth Work	0.0 m	Embankment	0.0 m
Gut	0.0 m	Shoulder	2.40 m
Left Side	0.0 m	Left Side	0.2 m
Right Side	0.0 m	Right Side	0.0 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m		



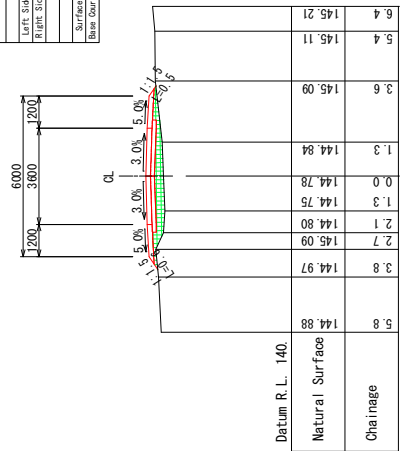
STA. 0+280  
GH=144.94  
FH=145.286

Ground Height	144.94 m	Formation Height	145.286 m
Earth Work	0.0 m	Embankment	0.0 m
Gut	0.0 m	Shoulder	2.40 m
Left Side	0.0 m	Left Side	0.2 m
Right Side	0.0 m	Right Side	0.0 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m		



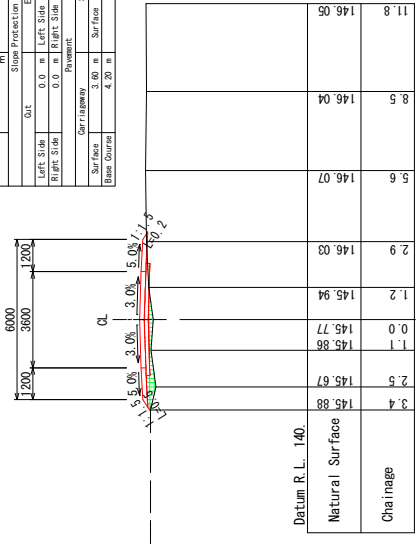
STA. 0+160  
GH=144.78  
FH=145.450

Ground Height	144.78 m	Formation Height	145.450 m
Earth Work	0.0 m	Embankment	1.7 m
Gut	0.0 m	Shoulder	2.40 m
Left Side	0.0 m	Left Side	0.5 m
Right Side	0.0 m	Right Side	0.5 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m		



STA. 0+240  
GH=145.77  
FH=146.281

Ground Height	145.77 m	Formation Height	146.281 m
Earth Work	0.1 m	Embankment	0.7 m
Gut	0.0 m	Shoulder	2.40 m
Left Side	0.0 m	Left Side	0.5 m
Right Side	0.0 m	Right Side	0.2 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m		

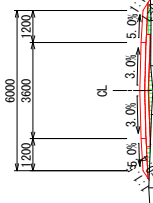


THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract		SHEET CONTENTS		SCALE	S=1:200
		YACHIO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		Route Tan Zan		CROSS SECTION (2/15) STA.0+160 ~ STA.0+280		DATE	DEC 2018
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# CROSS SECTION (3/15)

**STA. 0+360**  
 Ground Height: 144.59 m Formation Height: 145.081 m  
 Earth Work: 0.0 m Embankment: 0.0 m  
 Out: 0.1 m Slope Protection: 0.0 m  
 Pavement: 0.0 m  
 Surface: 3.60 m Surface: 2.40 m  
 Base Course: 4.20 m

**STA. 0+360**  
 GH=144.59  
 FH=145.081

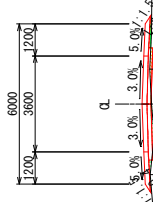


Station	11.4	9.6	8.1	5.7	3.6	0.9	0.0	0.9	2.6	4.3	6.8	11.7
Natural Surface	144.63	145.42	145.57	144.63	144.74	144.65	144.59	144.68	144.66	144.72	144.97	144.96
Chainage	11.4	9.6	8.1	5.7	3.6	0.9	0.0	0.9	2.6	4.3	6.8	11.7

Datum R.L. 140.

**STA. 0+440**  
 Ground Height: 144.64 m Formation Height: 144.952 m  
 Earth Work: 0.1 m Embankment: 0.0 m  
 Out: 0.1 m Slope Protection: 0.3 m  
 Pavement: 0.0 m  
 Surface: 3.60 m Surface: 2.40 m  
 Base Course: 4.20 m

**STA. 0+440**  
 GH=144.64  
 FH=144.952

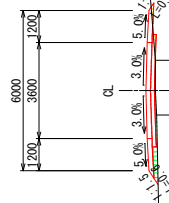


Station	13.0	10.2	7.2	2.6	1.2	0.0	1.2	1.3	2.6	4.8	9.2	13.4
Natural Surface	143.90	144.00	144.32	144.70	144.55	144.64	144.71	144.71	144.64	144.63	144.60	144.79
Chainage	13.0	10.2	7.2	2.6	1.2	0.0	1.2	1.3	2.6	4.8	9.2	13.4

Datum R.L. 140.

**STA. 0+320**  
 Ground Height: 144.38 m Formation Height: 144.741 m  
 Earth Work: 0.2 m Embankment: 0.3 m  
 Out: 0.1 m Slope Protection: 0.4 m  
 Pavement: 0.0 m  
 Surface: 3.60 m Surface: 2.40 m  
 Base Course: 4.20 m

**STA. 0+320**  
 GH=144.38  
 FH=144.741

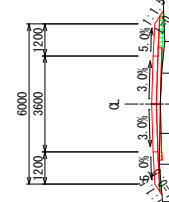


Station	13.2	10.6	7.0	3.5	1.1	0.0	0.9	1.1	3.5	6.2	12.5
Natural Surface	144.32	144.50	144.25	144.57	144.39	144.38	144.38	144.39	144.57	144.60	144.78
Chainage	13.2	10.6	7.0	3.5	1.1	0.0	0.9	1.1	3.5	6.2	12.5

Datum R.L. 140.

**STA. 0+400**  
 Ground Height: 144.21 m Formation Height: 144.521 m  
 Earth Work: 0.1 m Embankment: 0.4 m  
 Out: 0.1 m Slope Protection: 0.4 m  
 Pavement: 0.0 m  
 Surface: 3.60 m Surface: 2.40 m  
 Base Course: 4.20 m

**STA. 0+400**  
 GH=144.21  
 FH=144.521



Station	14.0	8.3	3.7	2.2	1.1	0.0	1.1	1.1	2.3	4.1	7.7	11.5
Natural Surface	143.83	144.18	144.12	144.23	144.21	144.20	144.20	144.14	144.04	144.10	144.21	144.57
Chainage	14.0	8.3	3.7	2.2	1.1	0.0	1.1	1.1	2.3	4.1	7.7	11.5

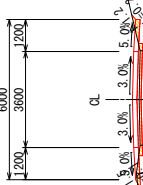
Datum R.L. 140.

THE REPUBLIC OF THE UNION OF MYANMAR	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract		SHEET CONTENTS		SCALE	S=1:200
CHIN STATE	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		Route Tan Zan		CROSS SECTION (3/15) STA.0+320 ~ STA.0+440		DATE	DEC 2018
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# CROSS SECTION (4/15)

<b>STA. 0+520</b>	
Ground Height	142.37 m
Formation Height	142.631 m
Earth Work	0.0 m <sup>3</sup>
Out	0.0 m
Shoulder Protection	0.0 m
Shoulder	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Surface	3.60 m
Base Course	4.20 m

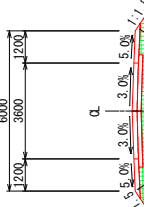
**STA. 0+520**  
GH=142.37  
FH=142.631



Datum R. L. 140.	13.0	8.9	4.5	4.5	2.8	1.7	0.0	1.8	4.5	7.3	10.5
Natural Surface	142.22	142.22	142.29	142.48	142.34	142.37	142.34	142.97	143.09	143.09	143.09
Chainage											

<b>STA. 0+600</b>	
Ground Height	144.90 m
Formation Height	145.551 m
Earth Work	0.0 m <sup>3</sup>
Out	0.0 m
Shoulder Protection	3.0 m
Shoulder	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Surface	3.60 m
Base Course	4.20 m

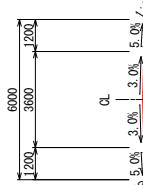
**STA. 0+600**  
GH=144.90  
FH=145.551



Datum R. L. 140.	10.8	7.6	5.4	5.4	1.3	0.0	1.3	2.1	4.6	9.9	13.9
Natural Surface	145.28	145.01	144.81	144.88	144.90	144.88	144.86	144.63	144.85	144.52	144.35
Chainage											

<b>STA. 0+480</b>	
Ground Height	142.89 m
Formation Height	143.411 m
Earth Work	0.2 m <sup>3</sup>
Out	0.2 m
Shoulder Protection	0.0 m
Shoulder	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Surface	3.60 m
Base Course	4.20 m

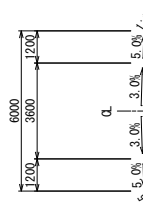
**STA. 0+480**  
GH=142.89  
FH=143.411



Datum R. L. 140.	11.6	8.6	4.1	4.1	2.7	1.2	0.0	1.2	6.6	13.3
Natural Surface	143.16	143.47	143.46	143.24	143.06	143.02	142.89	143.06	143.06	143.04
Chainage										

<b>STA. 0+560</b>	
Ground Height	142.83 m
Formation Height	143.351 m
Earth Work	0.3 m <sup>3</sup>
Out	0.3 m
Shoulder Protection	0.0 m
Shoulder	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Surface	3.60 m
Base Course	4.20 m

**STA. 0+560**  
GH=142.83  
FH=143.351



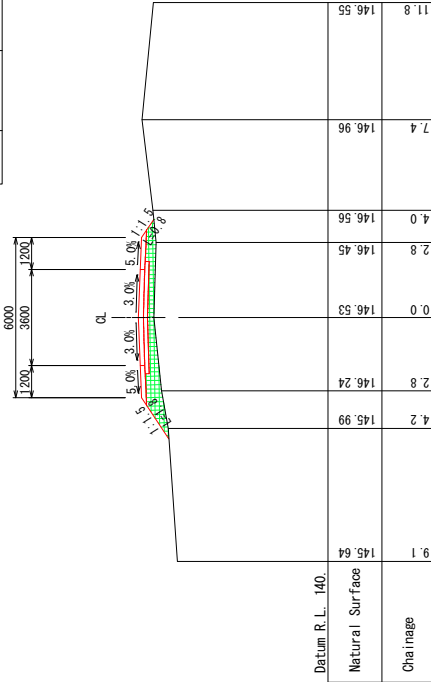
Datum R. L. 140.	13.7	9.8	5.7	5.7	2.8	1.2	0.0	1.4	11.7	19.5
Natural Surface	142.51	142.87	142.87	142.93	143.00	142.93	142.93	143.13	142.92	142.84
Chainage										

THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR		Dolluang Village Tract		SHEET CONTENTS		SCALE	S=1:200
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# CROSS SECTION (5/15)

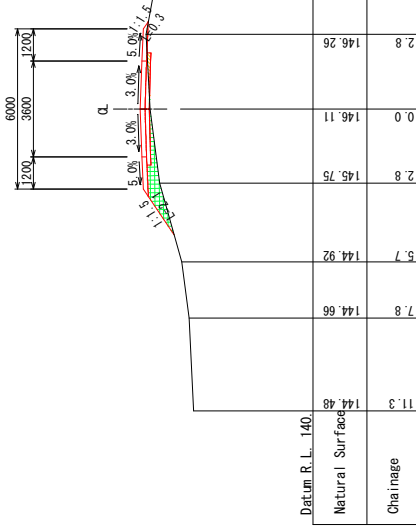
<b>STA. 0+680</b>	
Ground Height	146.53 m
Formation Height	147.098 m
Earth Work	2.8 m <sup>3</sup>
Out	0.0 m <sup>3</sup>
Subgrade Protection	0.0 m <sup>3</sup>
Out	0.0 m <sup>3</sup>
Embankment	1.8 m <sup>3</sup>
Left Side	0.0 m
Right Side	0.0 m
Pavement	0.0 m <sup>3</sup>
Shoulder	2.40 m
Surface	3.60 m
Base Course	4.20 m

**STA. 0+680**  
GH=146.53  
FH=147.098



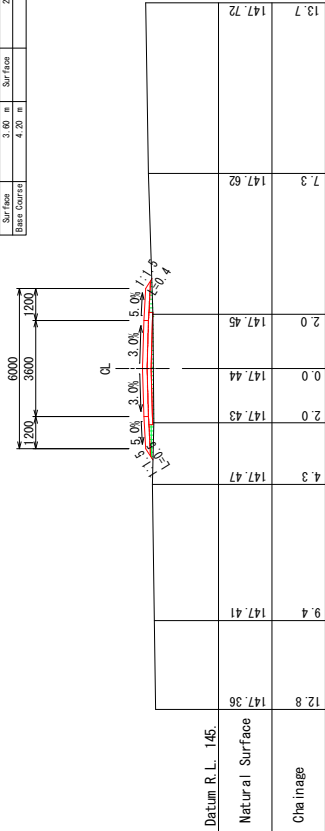
<b>STA. 0+760</b>	
Ground Height	146.11 m
Formation Height	146.471 m
Earth Work	0.1 m <sup>3</sup>
Out	0.0 m <sup>3</sup>
Subgrade Protection	0.0 m <sup>3</sup>
Out	0.0 m <sup>3</sup>
Embankment	2.1 m <sup>3</sup>
Left Side	0.0 m
Right Side	0.0 m
Pavement	0.0 m <sup>3</sup>
Shoulder	2.40 m
Surface	3.60 m
Base Course	4.20 m

**STA. 0+760**  
GH=146.11  
FH=146.471



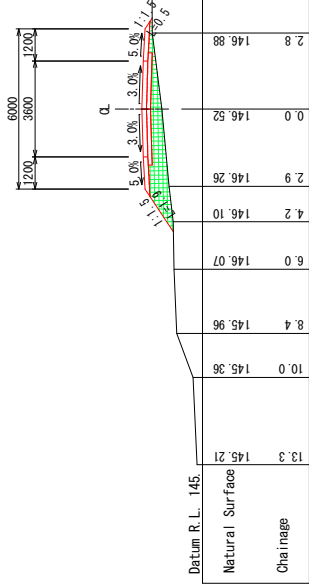
<b>STA. 0+640</b>	
Ground Height	147.44 m
Formation Height	147.848 m
Earth Work	0.5 m <sup>3</sup>
Out	0.0 m <sup>3</sup>
Subgrade Protection	0.0 m <sup>3</sup>
Out	0.0 m <sup>3</sup>
Embankment	0.5 m <sup>3</sup>
Left Side	0.0 m
Right Side	0.0 m
Pavement	0.4 m <sup>3</sup>
Shoulder	2.40 m
Surface	3.60 m
Base Course	4.20 m

**STA. 0+640**  
GH=147.44  
FH=147.848



<b>STA. 0+720</b>	
Ground Height	146.52 m
Formation Height	147.271 m
Earth Work	3.1 m <sup>3</sup>
Out	0.0 m <sup>3</sup>
Subgrade Protection	0.0 m <sup>3</sup>
Out	0.0 m <sup>3</sup>
Embankment	1.9 m <sup>3</sup>
Left Side	0.0 m
Right Side	0.0 m
Pavement	0.5 m <sup>3</sup>
Shoulder	2.40 m
Surface	3.60 m
Base Course	4.20 m

**STA. 0+720**  
GH=146.52  
FH=147.271

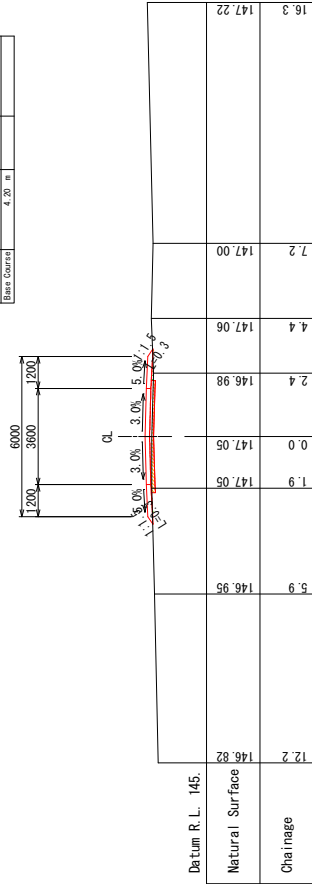


THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR		Dolluang Village Tract	SHEET CONTENTS	SCALE	S=1:200
		RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS					DATE
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		YACHIYO ENGINEERING CO., LTD.		STA.0+640 ~ STA.0+760		41 / 109	
		NIPPON KOEI CO., LTD.					

# CROSS SECTION (6/15)

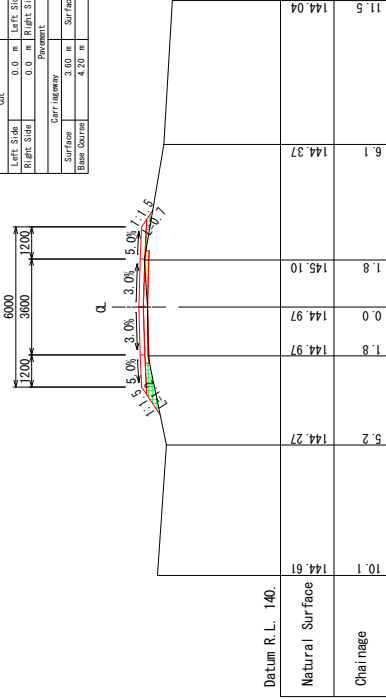
<b>STA. 0+840</b>	
Ground Height	147.05 m
Formation Height	147.311 m
Earth Work	0.0 m <sup>3</sup>
Out	0.3 m <sup>3</sup>
Subgrade Protection	0.0 m <sup>3</sup>
Out	0.0 m <sup>3</sup>
Embankment	0.3 m <sup>3</sup>
Left Side	0.0 m
Right Side	0.3 m
Pavement	0.0 m
Shoulder	2.40 m
Surface	3.60 m
Base Course	4.20 m

**STA. 0+840**  
 GH=147.05  
 FH=147.311



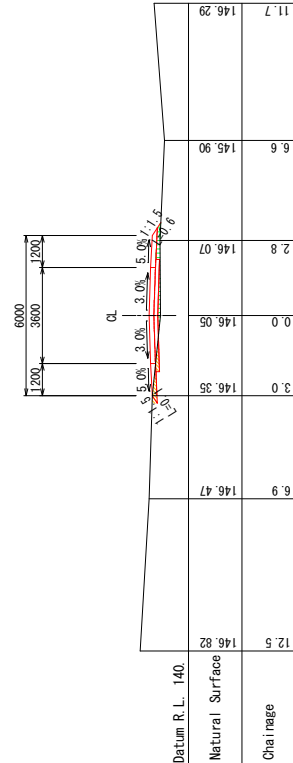
<b>STA. 0+920</b>	
Ground Height	144.97 m
Formation Height	145.311 m
Earth Work	0.0 m <sup>3</sup>
Out	0.2 m <sup>3</sup>
Subgrade Protection	0.0 m <sup>3</sup>
Out	0.0 m <sup>3</sup>
Embankment	0.0 m <sup>3</sup>
Left Side	0.0 m
Right Side	0.0 m
Pavement	0.0 m
Shoulder	2.40 m
Surface	3.60 m
Base Course	4.20 m

**STA. 0+920**  
 GH=144.97  
 FH=145.311



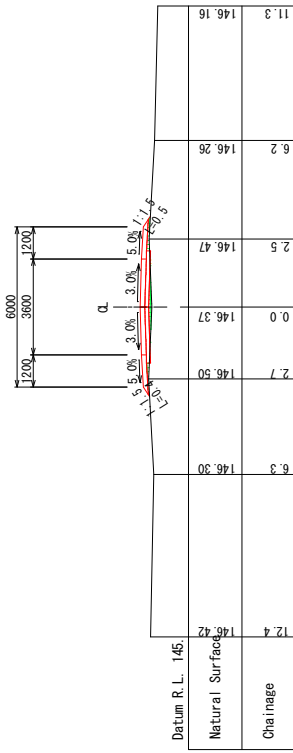
<b>STA. 0+800</b>	
Ground Height	146.05 m
Formation Height	146.471 m
Earth Work	0.3 m <sup>3</sup>
Out	0.3 m <sup>3</sup>
Subgrade Protection	0.0 m <sup>3</sup>
Out	0.0 m <sup>3</sup>
Embankment	0.1 m <sup>3</sup>
Left Side	0.0 m
Right Side	0.6 m
Pavement	0.0 m
Shoulder	2.40 m
Surface	3.60 m
Base Course	4.20 m

**STA. 0+800**  
 GH=146.05  
 FH=146.471



<b>STA. 0+880</b>	
Ground Height	146.37 m
Formation Height	146.811 m
Earth Work	0.0 m <sup>3</sup>
Out	0.0 m <sup>3</sup>
Subgrade Protection	0.0 m <sup>3</sup>
Out	0.0 m <sup>3</sup>
Embankment	0.4 m <sup>3</sup>
Left Side	0.0 m
Right Side	0.5 m
Pavement	0.0 m
Shoulder	2.40 m
Surface	3.60 m
Base Course	4.20 m

**STA. 0+880**  
 GH=146.37  
 FH=146.811

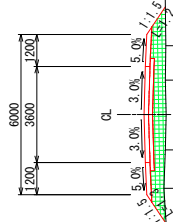


THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract		SHEET CONTENTS		SCALE	S=1:200
		YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		Route Tan Zan		CROSS SECTION (6/15) STA.0+800 ~ STA.0+920		DATE	DEC 2018
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# CROSS SECTION (7/15)

<b>STA. 1+0</b>	
Ground Height	142.27 m
Formation Height	144.109 m
Earth Work	3.57 m <sup>3</sup>
Out	0.0 m
Shoulder Protection	17.9 m
Shoulder	2.40 m
Left Side	0.0 m
Right Side	0.0 m
Surface	3.60 m
Base Course	4.20 m

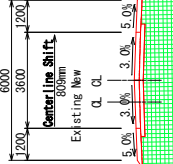
**STA. 1**  
GH=143.27  
FH=141.109



Datum R.L. 140	11.5	143.31	143.14	6.3	2.8	143.35	143.31	1.3	1.3	143.27	143.30	1.3	2.6	143.29	143.33	5.6	9.4	143.56	143.60	13.5
Natural Surface																				
Chainage																				

<b>STA. 1+80.182</b>	
Ground Height	142.90 m
Formation Height	145.059 m
Earth Work	2.159 m <sup>3</sup>
Out	0.0 m
Shoulder Protection	17.9 m
Shoulder	2.40 m
Left Side	0.0 m
Right Side	0.0 m
Surface	3.60 m
Base Course	4.20 m

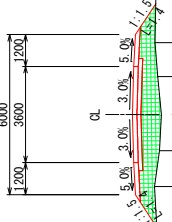
**STA. 1+80.182**  
GH=142.90  
FH=145.059



Datum R.L. 140	11.5	142.74	142.82	9.0	8.0	142.67	141.90	6.9	6.2	141.97	142.03	5.3	3.7	143.02	143.02	1.5	1.5	142.98	142.92	3.7	5.7	142.94	143.07	12.0	
Natural Surface																									
Chainage																									

<b>STA. 0+960</b>	
Ground Height	142.78 m
Formation Height	143.864 m
Earth Work	4.6 m <sup>3</sup>
Out	0.0 m
Shoulder Protection	17.9 m
Shoulder	2.40 m
Left Side	0.0 m
Right Side	0.0 m
Surface	3.60 m
Base Course	4.20 m

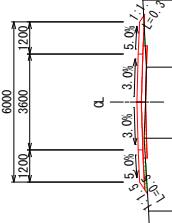
**STA. 0+960**  
GH=142.78  
FH=143.864



Datum R.L. 140	12.1	142.80	142.82	6.7	2.7	143.04	142.84	1.4	1.4	142.78	143.01	2.7	2.7	143.01	142.96	6.2	11.6	143.01	143.01	11.6
Natural Surface																				
Chainage																				

<b>STA. 1+40</b>	
Ground Height	143.37 m
Formation Height	145.699 m
Earth Work	2.329 m <sup>3</sup>
Out	0.1 m
Shoulder Protection	17.9 m
Shoulder	2.40 m
Left Side	0.0 m
Right Side	0.0 m
Surface	3.60 m
Base Course	4.20 m

**STA. 1+40**  
GH=143.37  
FH=145.699



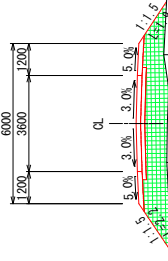
Datum R.L. 140	10.9	143.17	143.24	4.1	4.1	143.42	143.24	1.4	1.3	143.33	143.37	1.3	3.8	143.47	143.47	3.8	6.4	143.37	143.52	11.8
Natural Surface																				
Chainage																				

THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR		Dolluang Village Trac	SHEET CONTENTS	SCALE	S=1:200	
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		YACHIYO ENGINEERING CO., LTD.		Route Tan Zan		PAGE NO.		43 / 109
		NIPPON KOEI CO., LTD.		STA 0+960 ~ STA 1+80				

# CROSS SECTION (8/15)

<b>STA. 1+160.082</b>	
Ground Height	142.07 m Formation Height
Earth Work	143.244 m
Out	0.0 m Embankment
Shoulder Protection	6.7 m
Shoulder	2.40 m
Surface	0.00 m
Base Course	0.00 m
Left Side	0.0 m Left Side
Right Side	0.0 m Right Side
Left Slope	2.2 m
Right Slope	1.9 m
Center Line Shift	14.5 mm
Center Line	CL
Existing	CL
Out	0.0 m Embankment
Shoulder	2.40 m
Surface	0.00 m
Base Course	0.00 m

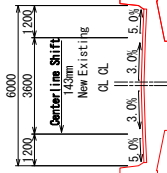
**STA. 1+160.082**  
 GH=142.07  
 FH=143.244



Datum R. L.	140.	141.99	142.02	142.09	142.11	142.23
Natural Surface	141.93	142.09	142.02	142.09	142.11	142.23
Chainage	11.0	3.1	0.0	4.7	8.7	12.1

<b>STA. 1+240.083</b>	
Ground Height	142.82 m Formation Height
Earth Work	144.544 m
Out	0.0 m Embankment
Shoulder Protection	0.0 m
Shoulder	0.00 m
Surface	0.00 m
Base Course	0.00 m
Left Side	0.0 m Left Side
Right Side	0.0 m Right Side
Left Slope	0.0 m
Right Slope	0.0 m
Center Line Shift	0.0 mm
Center Line	CL
Existing	CL
Out	0.0 m Embankment
Shoulder	0.00 m
Surface	0.00 m
Base Course	0.00 m

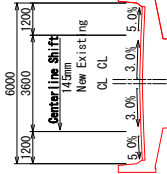
**STA. 1+240.083**  
 GH=142.82  
 FH=144.544



Datum R. L.	140.	142.51	142.71	142.80	142.79	142.64
Natural Surface	142.58	142.71	142.80	142.80	142.79	142.64
Chainage	11.5	2.5	1.2	0.0	2.0	12.6

<b>STA. 1+119.237</b>	
Ground Height	142.34 m Formation Height
Earth Work	145.013 m
Out	0.0 m Embankment
Shoulder Protection	0.0 m
Shoulder	0.00 m
Surface	0.00 m
Base Course	0.00 m
Left Side	0.0 m Left Side
Right Side	0.0 m Right Side
Left Slope	0.0 m
Right Slope	0.0 m
Center Line Shift	14.5 mm
Center Line	CL
Existing	CL
Out	0.0 m Embankment
Shoulder	0.00 m
Surface	0.00 m
Base Course	0.00 m

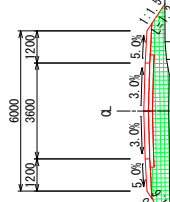
**STA. 1+119.237**  
 GH=142.34  
 FH=145.013



Datum R. L.	140.	141.34	142.34	142.27	142.18	142.49
Natural Surface	141.73	142.34	142.34	142.27	142.18	142.49
Chainage	11.6	10.6	3.1	3.2	7.3	11.5

<b>STA. 1+200.082</b>	
Ground Height	142.02 m Formation Height
Earth Work	142.940 m
Out	0.0 m Embankment
Shoulder Protection	4.4 m
Shoulder	2.40 m
Surface	0.00 m
Base Course	4.20 m
Left Side	0.0 m Left Side
Right Side	0.0 m Right Side
Left Slope	1.6 m
Right Slope	1.2 m
Center Line Shift	0.0 mm
Center Line	CL
Existing	CL
Out	0.0 m Embankment
Shoulder	2.40 m
Surface	0.00 m
Base Course	4.20 m

**STA. 1+200.082**  
 GH=142.02  
 FH=142.940



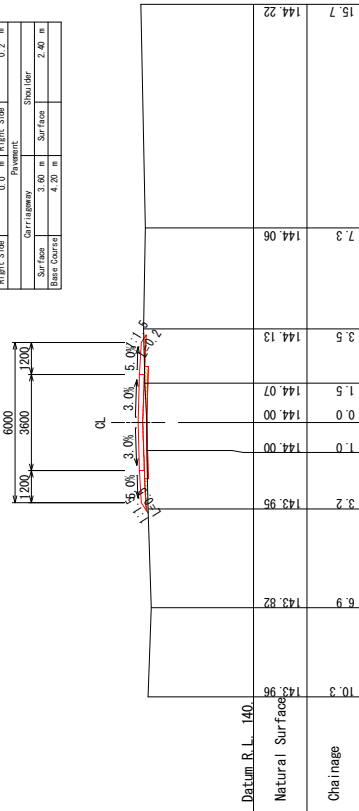
Datum R. L.	140.	141.87	141.99	142.00	142.15	142.13
Natural Surface	141.89	141.88	141.99	142.00	142.15	142.13
Chainage	12.2	9.1	6.3	6.4	11.9	11.9

THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract		SHEET CONTENTS	
		YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		Route Tan Zan		CROSS SECTION (8/15) STA.1+120 ~ STA.1+240	
				SCALE		S=1:200	
				DATE		DEC 2018	
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# CROSS SECTION (9/15)

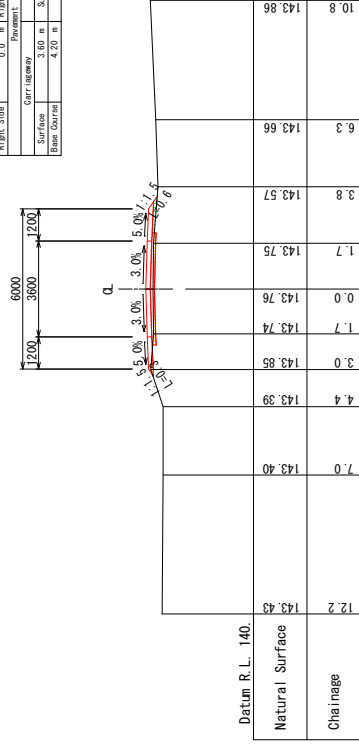
<b>STA. 1+320</b>			
Ground Height	144.00 m	Formation Height	144.322 m
Earth Work	0.3 m <sup>3</sup>	Embankment	0.1 m <sup>3</sup>
Out	0.1 m	Shoulder	0.1 m
Out		Side Protection	m
Out		Embankment	
Left Side	0.0 m	Left Side	0.5 m
Right Side	0.0 m	Right Side	0.2 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m		

**STA. 1+320**  
GH=144.00  
FH=144.322



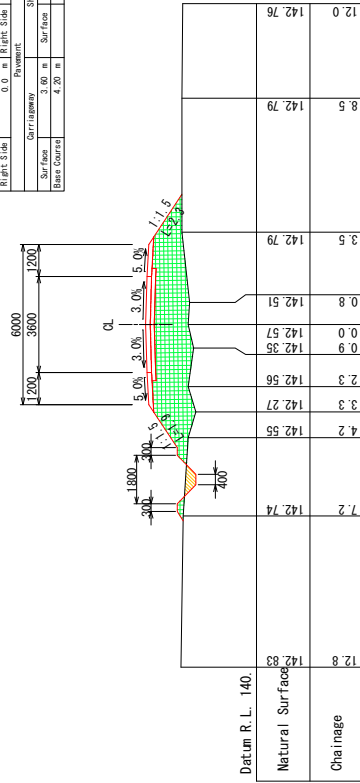
<b>STA. 1+400</b>			
Ground Height	143.76 m	Formation Height	144.042 m
Earth Work	0.4 m <sup>3</sup>	Embankment	0.1 m <sup>3</sup>
Out	0.1 m	Shoulder	0.1 m
Out		Side Protection	m
Out		Embankment	
Left Side	0.0 m	Left Side	0.3 m
Right Side	0.0 m	Right Side	0.6 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m		

**STA. 1+400**  
GH=143.76  
FH=144.042



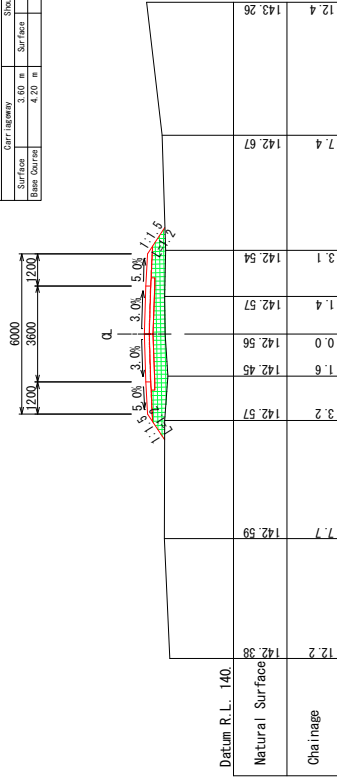
<b>STA. 1+280</b>			
Ground Height	142.57 m	Formation Height	144.152 m
Earth Work	0.3 m <sup>3</sup>	Embankment	11.0 m <sup>3</sup>
Out	11.0 m	Shoulder	m
Out		Side Protection	m
Out		Embankment	
Left Side	0.0 m	Left Side	1.9 m
Right Side	0.0 m	Right Side	2.3 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m		

**STA. 1+280**  
GH=142.57  
FH=144.152



<b>STA. 1+360</b>			
Ground Height	142.56 m	Formation Height	143.332 m
Earth Work	0.0 m <sup>3</sup>	Embankment	3.4 m <sup>3</sup>
Out	3.4 m	Shoulder	m
Out		Side Protection	m
Out		Embankment	
Left Side	0.0 m	Left Side	1.2 m
Right Side	0.0 m	Right Side	1.2 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m		

**STA. 1+360**  
GH=142.56  
FH=143.332



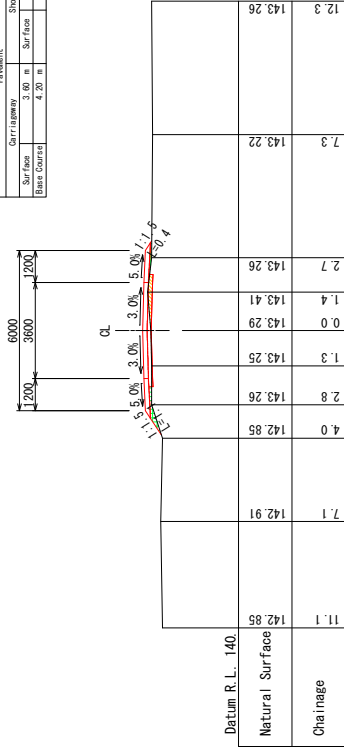
THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR		Dolluang Village Tract	SHEET CONTENTS		SCALE	S=1:200
		RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS			CROSS SECTION (9/15)			
		JAPAN INTERNATIONAL COOPERATION AGENCY		Route Tan Zan		DATE		DEC 2018
		YACHIYO ENGINEERING CO., LTD.				PAGE NO.		45 / 109
		NIPPON KOEI CO., LTD.						



# CROSS SECTION (10/15)

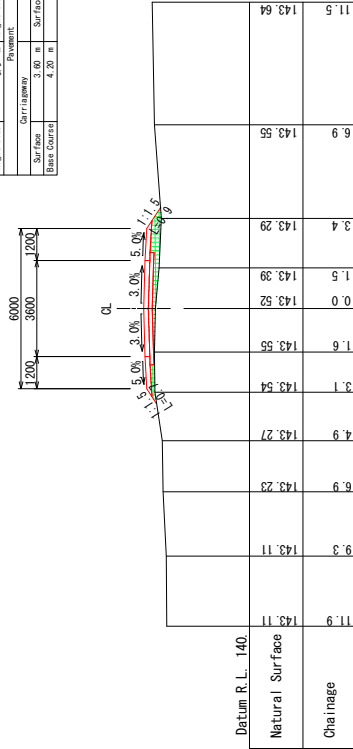
<b>STA. 1+480</b>	
Ground Height	143.29 m
Formation Height	143.602 m
Earth Work	0.3 m <sup>3</sup>
Out	0.0 m <sup>2</sup>
Shoulder Protection	0.0 m <sup>2</sup>
Out	0.0 m <sup>2</sup>
Left Side	0.0 m
Right Side	0.0 m
Left Side	1.1 m
Right Side	0.4 m
Surface	3.60 m
Shoulder	2.40 m
Base Course	4.20 m

**STA. 1+480**  
GH=143.29  
FH=143.602



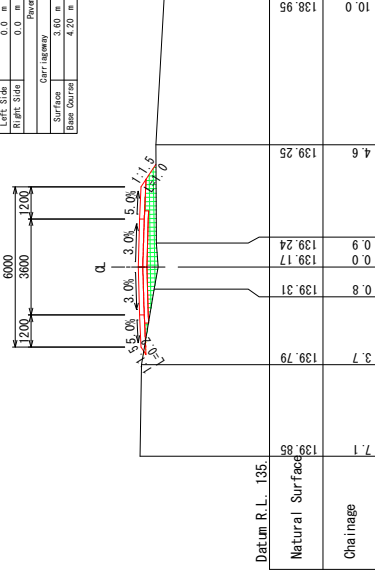
<b>STA. 1+440</b>	
Ground Height	143.52 m
Formation Height	143.962 m
Earth Work	1.2 m <sup>3</sup>
Out	0.0 m <sup>2</sup>
Shoulder Protection	0.0 m <sup>2</sup>
Out	0.0 m <sup>2</sup>
Left Side	0.0 m
Right Side	0.0 m
Left Side	0.7 m
Right Side	0.9 m
Surface	3.60 m
Shoulder	2.40 m
Base Course	4.20 m

**STA. 1+440**  
GH=143.52  
FH=143.962



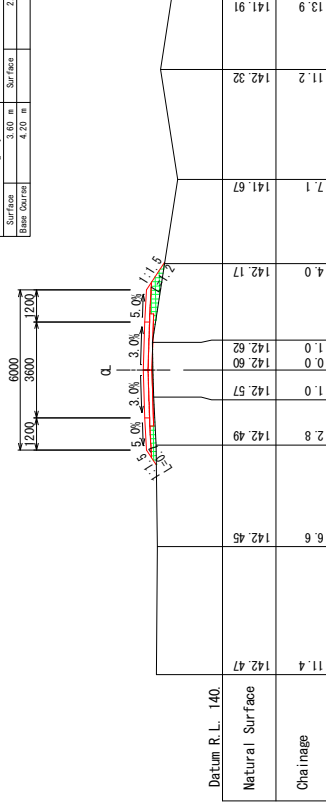
<b>STA. 1+560</b>	
Ground Height	139.17 m
Formation Height	139.922 m
Earth Work	0.0 m <sup>3</sup>
Out	0.0 m <sup>2</sup>
Shoulder Protection	0.0 m <sup>2</sup>
Out	0.0 m <sup>2</sup>
Left Side	0.0 m
Right Side	0.0 m
Left Side	0.2 m
Right Side	1.0 m
Surface	3.60 m
Shoulder	2.40 m
Base Course	4.20 m

**STA. 1+560**  
GH=139.17  
FH=139.922



<b>STA. 1+520</b>	
Ground Height	142.60 m
Formation Height	142.962 m
Earth Work	0.0 m <sup>3</sup>
Out	0.0 m <sup>2</sup>
Shoulder Protection	0.0 m <sup>2</sup>
Out	0.0 m <sup>2</sup>
Left Side	0.0 m
Right Side	0.0 m
Left Side	0.7 m
Right Side	1.2 m
Surface	3.60 m
Shoulder	2.40 m
Base Course	4.20 m

**STA. 1+520**  
GH=142.60  
FH=142.962

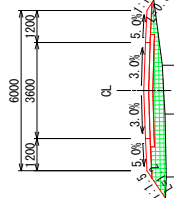


THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract		SHEET CONTENTS		SCALE	S=1:200
		YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		Route Tan Zan		CROSS SECTION (10/15) STA.1+440 ~ STA.1+560		DATE	DEC 2018
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# CROSS SECTION (11/15)

<b>STA. 1+640</b>	
Ground Height	139.11 m
Formation Height	138.842 m
Earth Work	0.0 m
Out	0.0 m
Embankment	2.6 m
In	0.0 m
Slope Protection	0.0 m
Enchantment	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Left Side	1.2 m
Right Side	0.5 m
Pavement	
Carriageway	3.60 m
Shoulder	2.40 m
Surface	3.60 m
Base Course	4.20 m

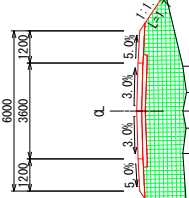
**STA. 1+640**  
GH=138.11  
FH=138.842



Datum R.L.	135	139.01	139.05	139.11	139.15	139.59
Natural Surface	11.7	8.1	3.2	0.9	0.9	8.6
Chainage	12.6	4.7	0.9	0.9	0.9	12.6

<b>STA. 1+720</b>	
Ground Height	140.43 m
Formation Height	142.154 m
Earth Work	0.0 m
Out	0.0 m
Embankment	11.7 m
In	0.0 m
Slope Protection	0.0 m
Enchantment	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Left Side	3.3 m
Right Side	1.7 m
Pavement	
Carriageway	3.60 m
Shoulder	2.40 m
Surface	3.60 m
Base Course	4.20 m

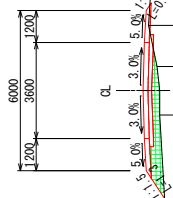
**STA. 1+720**  
GH=140.43  
FH=142.154



Datum R.L.	135	140.16	140.32	140.38	140.43	141.28
Natural Surface	11.8	8.9	1.6	0.7	0.7	5.2
Chainage	11.8	8.9	1.6	0.7	0.7	11.2

<b>STA. 1+600</b>	
Ground Height	137.90 m
Formation Height	138.922 m
Earth Work	0.1 m
Out	0.1 m
Embankment	1.6 m
In	0.0 m
Slope Protection	0.0 m
Enchantment	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Left Side	1.3 m
Right Side	0.2 m
Pavement	
Carriageway	3.60 m
Shoulder	2.40 m
Surface	3.60 m
Base Course	4.20 m

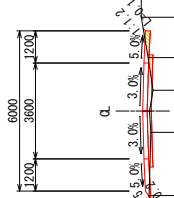
**STA. 1+600**  
GH=137.90  
FH=138.922



Datum R.L.	135	137.71	137.90	138.00	138.32	139.17
Natural Surface	8.5	4.1	0.9	0.9	2.4	10.4
Chainage	8.5	4.1	0.9	0.9	2.4	10.4

<b>STA. 1+680</b>	
Ground Height	141.71 m
Formation Height	141.974 m
Earth Work	0.4 m
Out	0.4 m
Embankment	0.0 m
In	0.0 m
Slope Protection	0.0 m
Enchantment	0.0 m
Left Side	0.0 m
Right Side	0.1 m
Left Side	0.2 m
Right Side	0.0 m
Pavement	
Carriageway	3.60 m
Shoulder	2.40 m
Surface	3.60 m
Base Course	4.20 m

**STA. 1+680**  
GH=141.71  
FH=141.974



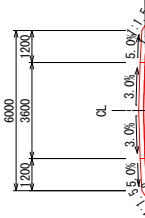
Datum R.L.	140	141.50	141.73	141.76	142.01	142.64
Natural Surface	12.0	9.3	0.8	0.8	3.5	11.2
Chainage	12.0	9.3	0.8	0.8	3.5	11.2

THE REPUBLIC OF THE UNION OF MYANMAR	JAPAN INTERNATIONAL COOPERATION AGENCY	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Dolluang Village Tract		SCALE	S=1:200
			Route Tan Zan			
CHIN STATE	JICA	YACHIO ENGINEERING CO., LTD.	CROSS SECTION (11/15)		PAGE NO.	47 / 109
	YEO	NIPPON KOEI CO., LTD.	STA. 1+600 ~ STA. 1+720			

# CROSS SECTION (12/15)

**STA. 1+800**  
 GH=143.88  
 FH=144.522

Ground Height	143.88 m	Formation Height	144.522 m
Earth Work	0.0 m <sup>3</sup>	Embankment	1.4 m <sup>3</sup>
Out	0.0 m	Shoulder Protection	0.0 m
Left Side	0.0 m	Left Side	0.8 m
Right Side	0.0 m	Right Side	0.2 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m		

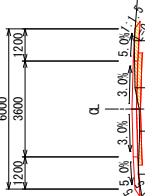


Datum R.L. 140.

Chainage	11.0	143.97	5.4	143.95	3.0	143.94	0.9	143.87	0.0	143.88	0.9	143.87	2.3	144.28	5.6	144.30	8.8	144.35	12.6	144.35
Natural Surface																				

**STA. 1+880**  
 GH=144.52  
 FH=144.782

Ground Height	144.52 m	Formation Height	144.782 m
Earth Work	0.0 m <sup>3</sup>	Embankment	0.0 m <sup>3</sup>
Out	0.0 m	Shoulder Protection	0.0 m
Left Side	0.0 m	Left Side	0.5 m
Right Side	0.0 m	Right Side	0.1 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m		

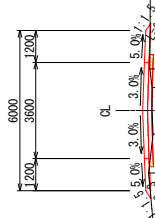


Datum R.L. 140.

Chainage	12.1	144.14	7.5	144.24	4.1	144.27	2.4	144.55	0.8	144.49	0.0	144.52	0.8	144.66	2.6	144.69	5.2	144.48	9.1	144.68	12.7	144.96
Natural Surface																						

**STA. 1+760**  
 GH=143.23  
 FH=143.562

Ground Height	143.23 m	Formation Height	143.562 m
Earth Work	0.0 m <sup>3</sup>	Embankment	0.3 m <sup>3</sup>
Out	0.2 m	Shoulder Protection	0.3 m
Left Side	0.0 m	Left Side	0.3 m
Right Side	0.0 m	Right Side	0.3 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m		

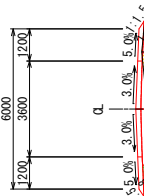


Datum R.L. 135.

Chainage	11.1	142.94	6.2	143.02	2.3	143.37	0.9	143.19	0.0	143.23	0.6	143.32	1.6	143.32	4.7	143.30	5.7	143.41	9.2	143.44	12.0	143.47
Natural Surface																						

**STA. 1+840**  
 GH=144.57  
 FH=144.922

Ground Height	144.57 m	Formation Height	144.922 m
Earth Work	0.1 m <sup>3</sup>	Embankment	0.5 m <sup>3</sup>
Out	0.1 m	Shoulder Protection	0.5 m
Left Side	0.0 m	Left Side	0.8 m
Right Side	0.0 m	Right Side	0.4 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m		



Datum R.L. 140.

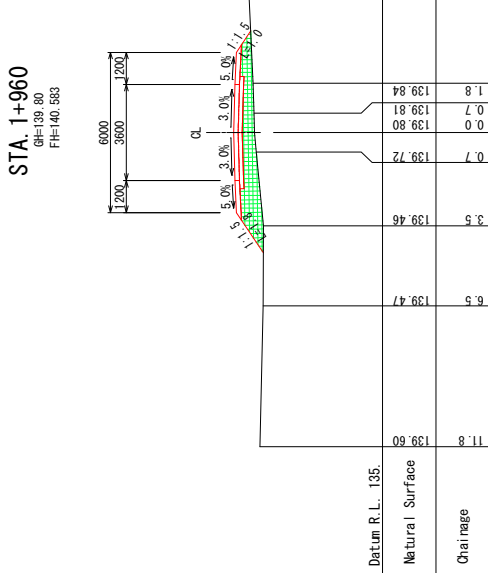
Chainage	11.2	144.24	6.2	144.33	4.5	144.22	2.5	144.50	0.9	144.38	0.0	144.57	1.0	144.59	2.1	144.71	3.8	144.54	8.0	144.62	12.1	144.80
Natural Surface																						

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		JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		Route Tan Zan		CROSS SECTION (12/15) STA.1+760 ~ STA.1+880		DATE	DEC 2018
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# CROSS SECTION (13/15)

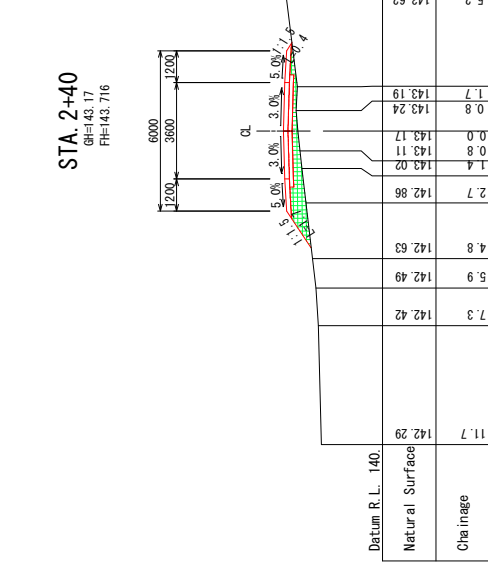
**STA. 1+960**  
 GH=139.80  
 FH=140.583

Ground Height	139.80 m	Formation Height	140.583 m
Earth Work	0.0 m <sup>3</sup>	Embankment	4.0 m <sup>3</sup>
Out	0.0 m	Shoulder	2.40 m
Left Side	0.0 m	Left Side	1.8 m
Right Side	0.0 m	Right Side	1.0 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m	Surface	2.40 m



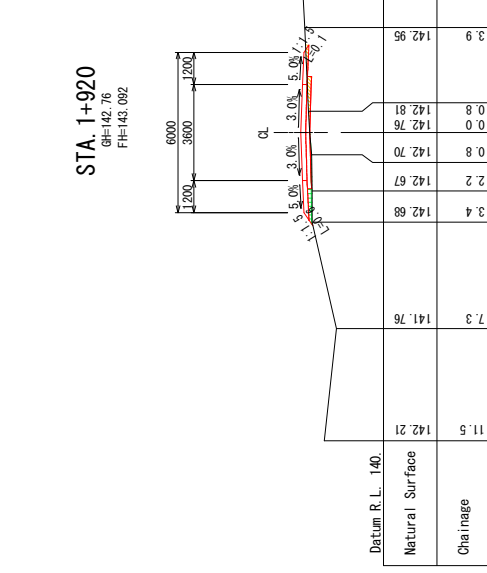
**STA. 2+40**  
 GH=143.17  
 FH=143.716

Ground Height	143.17 m	Formation Height	143.716 m
Earth Work	0.0 m <sup>3</sup>	Embankment	2.1 m <sup>3</sup>
Out	0.0 m	Shoulder	2.40 m
Left Side	0.0 m	Left Side	1.7 m
Right Side	0.0 m	Right Side	0.4 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m	Surface	2.40 m



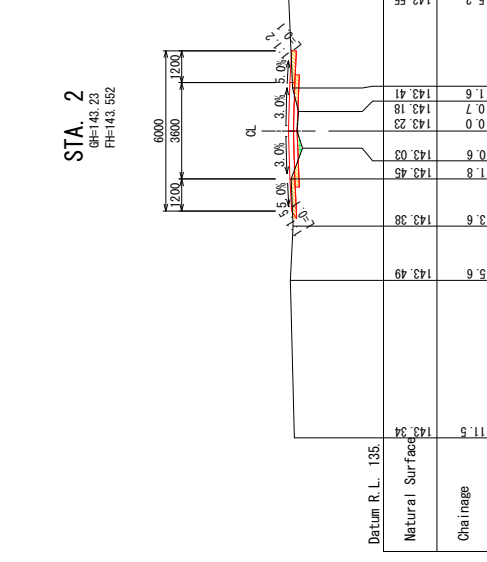
**STA. 1+920**  
 GH=142.76  
 FH=143.092

Ground Height	142.76 m	Formation Height	143.092 m
Earth Work	0.3 m <sup>3</sup>	Embankment	0.3 m <sup>3</sup>
Out	0.0 m	Shoulder	2.40 m
Left Side	0.0 m	Left Side	0.6 m
Right Side	0.0 m	Right Side	0.1 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m	Surface	2.40 m



**STA. 2+0**  
 GH=143.23  
 FH=143.592

Ground Height	143.23 m	Formation Height	143.592 m
Earth Work	0.7 m <sup>3</sup>	Embankment	0.1 m <sup>3</sup>
Out	0.0 m	Shoulder	2.40 m
Left Side	0.0 m	Left Side	0.1 m
Right Side	0.1 m	Right Side	0.0 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m	Surface	2.40 m

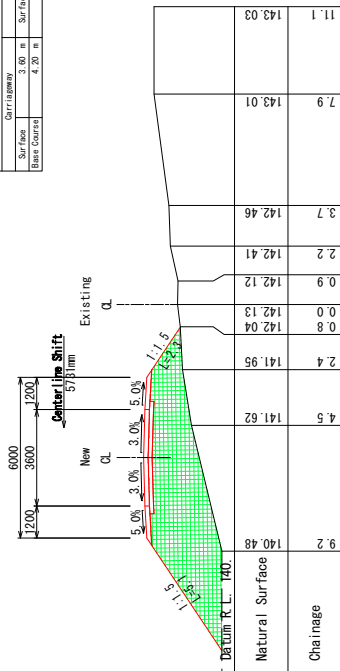


THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR		Dolluang Village Tract	SHEET CONTENTS	SCALE	S=1:200
		RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS					
		FOR		CROSS SECTION (13/15)		DATE	DEC 2018
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		JAPAN INTERNATIONAL COOPERATION AGENCY		YACHIO ENGINEERING CO., LTD.		NIPPON KOEI CO., LTD.	

# CROSS SECTION (14/15)

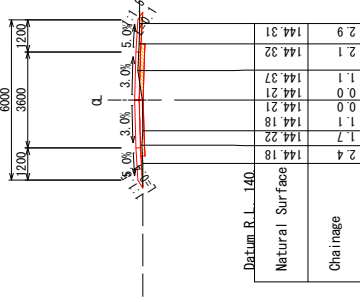
<b>STA. 2+118.972</b>	
Ground Height	141.33 m Formation Height
Earth Work	17.0 m <sup>3</sup>
Out	0.0 m <sup>2</sup> Embankment
Out	3.0 m <sup>2</sup> Slope Protection
Out	0.0 m <sup>2</sup> Embankment
Left Side	0.0 m Left Side
Right Side	0.0 m Right Side
Pavement	2.3 m
Shoulder	2.40 m
Surface	3.60 m
Base Course	4.20 m

**STA. 2+118.972**  
 GH=141.33  
 FH=143.410



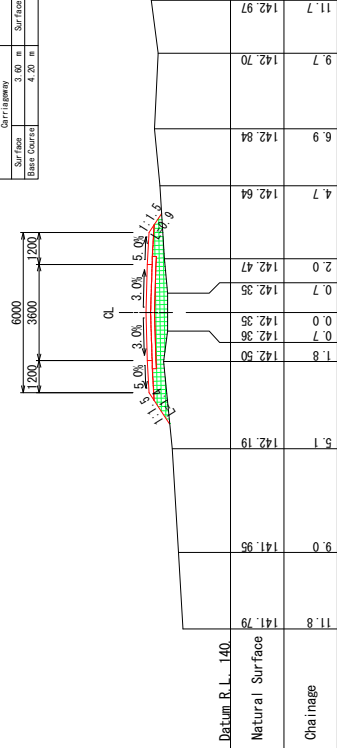
<b>STA. 2+200</b>	
Ground Height	144.21 m Formation Height
Earth Work	0.0 m <sup>3</sup>
Out	0.0 m <sup>2</sup> Embankment
Out	3.0 m <sup>2</sup> Slope Protection
Out	0.0 m <sup>2</sup> Embankment
Left Side	0.0 m Left Side
Right Side	0.0 m Right Side
Pavement	0.1 m
Shoulder	2.40 m
Surface	3.60 m
Base Course	4.20 m

**STA. 2+200**  
 GH=144.21  
 FH=144.493



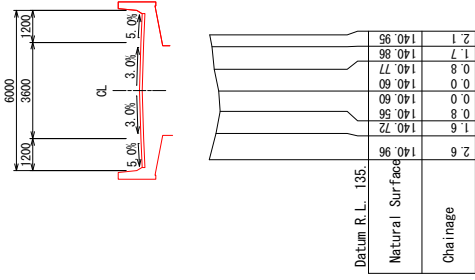
<b>STA. 2+80</b>	
Ground Height	142.35 m Formation Height
Earth Work	3.0 m <sup>3</sup>
Out	0.0 m <sup>2</sup> Embankment
Out	3.0 m <sup>2</sup> Slope Protection
Out	0.0 m <sup>2</sup> Embankment
Left Side	0.0 m Left Side
Right Side	0.0 m Right Side
Pavement	1.4 m
Shoulder	2.40 m
Surface	3.60 m
Base Course	4.20 m

**STA. 2+80**  
 GH=142.35  
 FH=143.165



<b>STA. 2+159.503</b>	
Ground Height	140.61 m Formation Height
Earth Work	0.0 m <sup>3</sup>
Out	0.0 m <sup>2</sup> Embankment
Out	3.0 m <sup>2</sup> Slope Protection
Out	0.0 m <sup>2</sup> Embankment
Left Side	0.0 m Left Side
Right Side	0.0 m Right Side
Pavement	0.0 m
Shoulder	0.00 m
Surface	0.00 m
Base Course	0.00 m

**STA. 2+159.503**  
 GH=140.61  
 FH=143.580

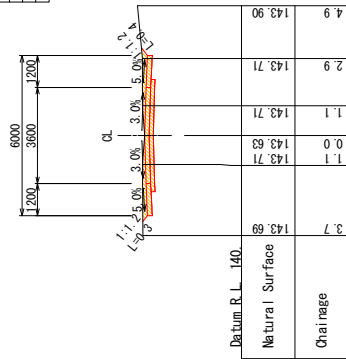


THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract	SHEET CONTENTS		SCALE S=1:200
		JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.			CROSS SECTION (14/15) STA.2+80 ~ STA.2+200		

# CROSS SECTION (15/15)

<b>STA. 2+240</b>		Formation Height	143.629 m
Ground Height	143.63 m	Earth Work	0.0 m
Out	2.4 m	Shoulder	0.0 m
Out	3.0 m	Shoulder Protection	0.0 m
Left Side	0.3 m	Left Side	0.0 m
Right Side	0.4 m	Right Side	0.0 m
Surface	2.40 m	Surface	2.40 m
Base Course	4.20 m	Shoulder	2.40 m

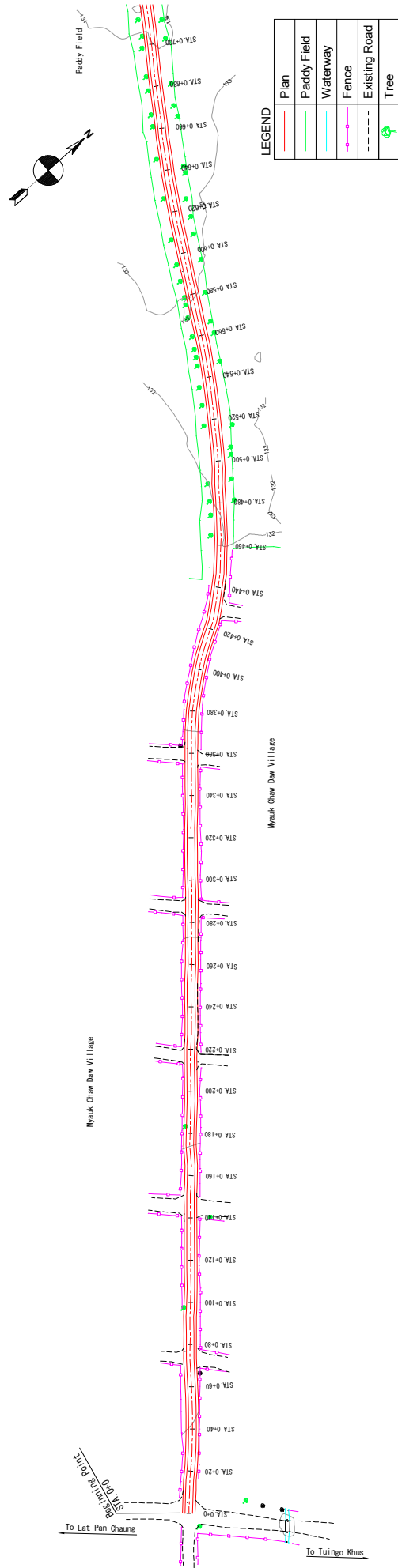
**STA. 2+240**  
 GH=143.63  
 FH=143.629



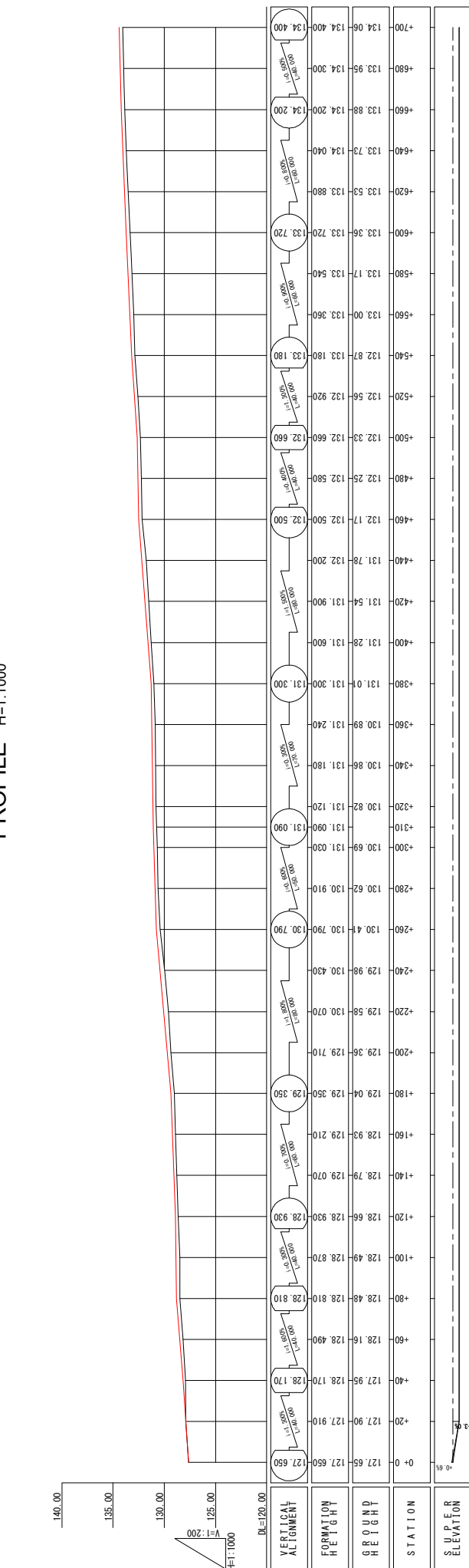
THE REPUBLIC OF THE UNION OF MYANMAR  CHIN STATE	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Dolluang Village Tract  Route Tan Zan	SHEET CONTENTS	
				CROSS SECTION (15/15) STA 2+240	SCALE S=1:200
				DATE DEC 2018	
				PAGE NO. 51 / 109	

# PLAN & PROFILE (1/7)

PLAN S=1:1000



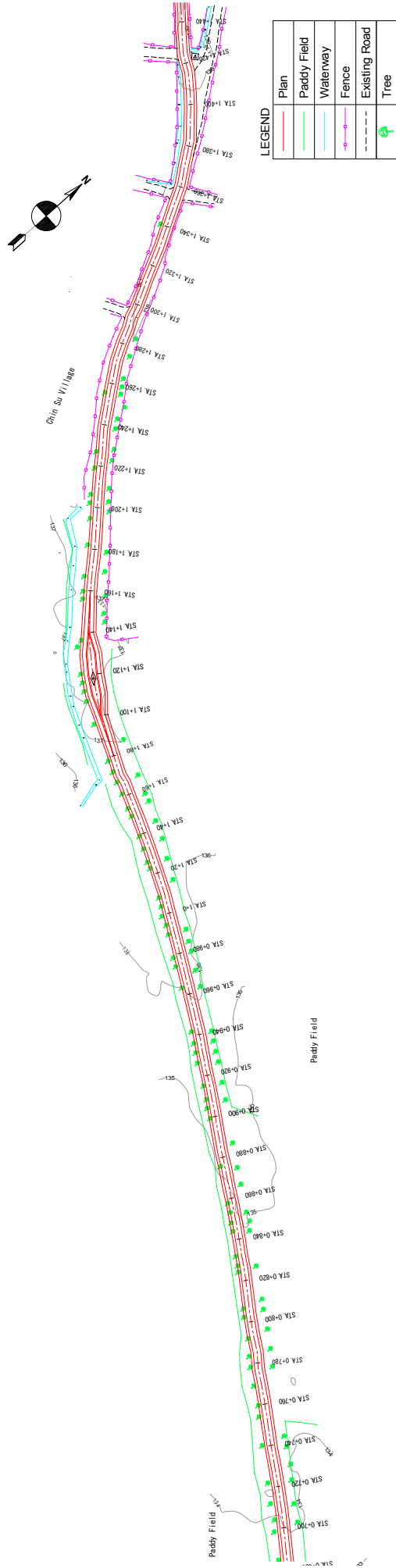
PROFILE V=1:200  
H=1:1000



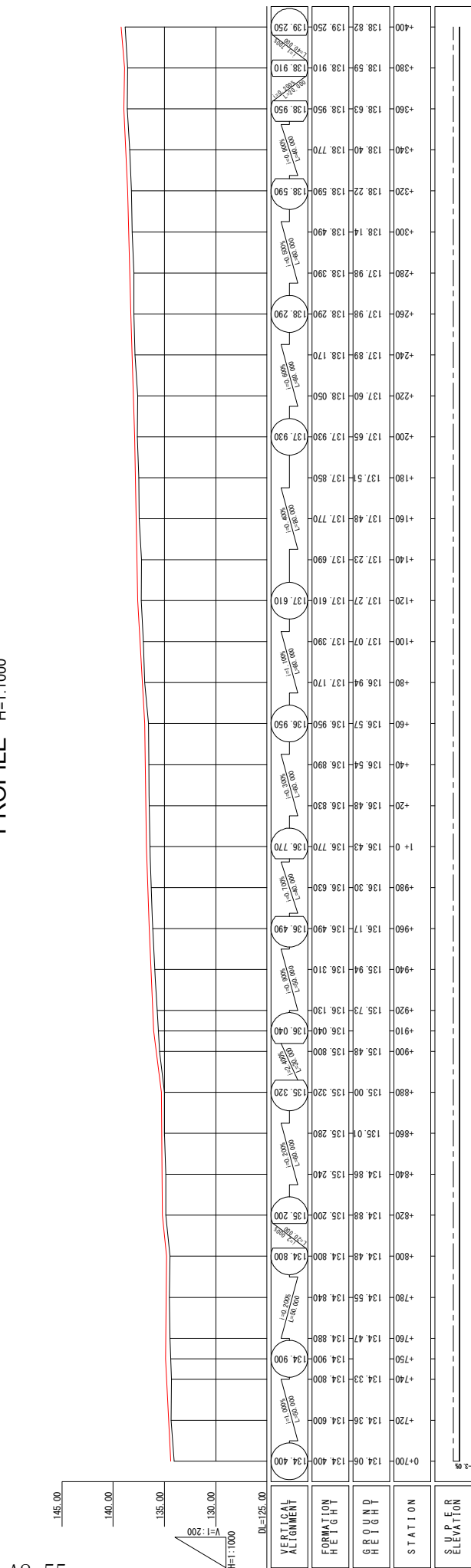
THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		SHEET CONTENTS PLAN & PROFILE (1/7) STA. 0+0 ~ STA.0+700		SCALE V=1:200 H=1:1000
			Dollyuang Village Tract Route Zo Nuan Zang		DATE DEC 2018	PAGE NO. 52 / 109	

# PLAN & PROFILE (2/7)

PLAN S=1:1000



PROFILE V=1:200  
H=1:1000

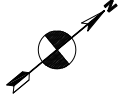


	THE REPUBLIC OF THE UNION OF MYANMAR		JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Dolluang Village Tract Route Zo Nuan Zang	SHEET CONTENTS PLAN & PROFILE (2/7) STA.0+700 ~ STA.1+400	SCALE V=1:200 H=1:1000	DATE DEC 2018	PAGE NO. 53 / 109
	CHIN STATE								

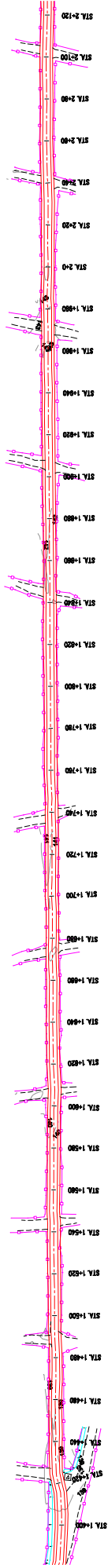


# PLAN & PROFILE (3/7)

PLAN S=1:1000



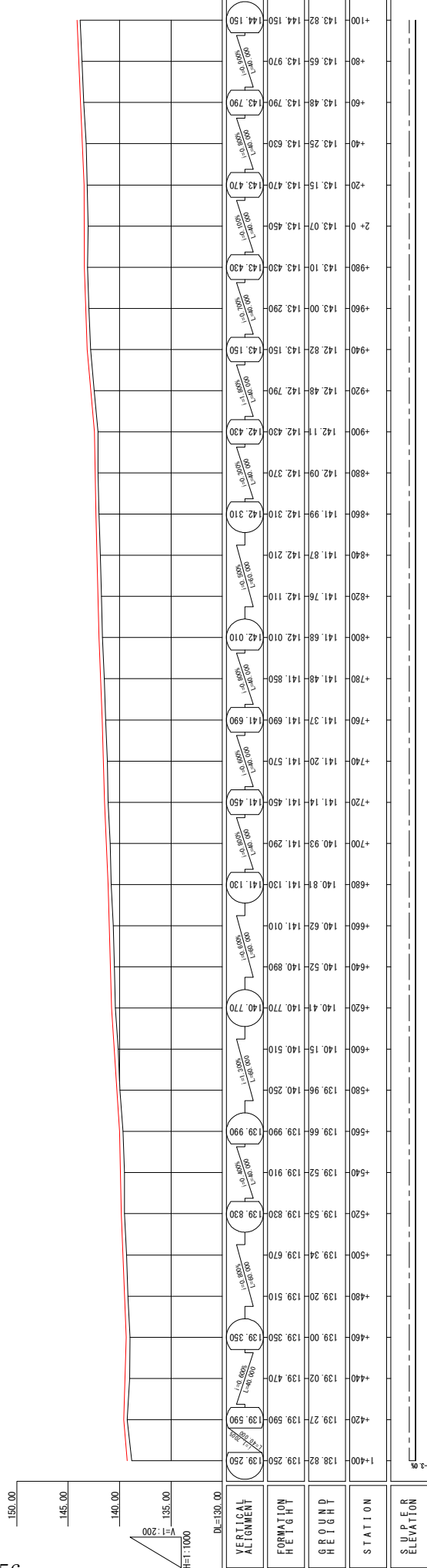
Chin Su Village



LEGEND

	Plan
	Paddy Field
	Waterway
	Fence
	Existing Road
	Tree

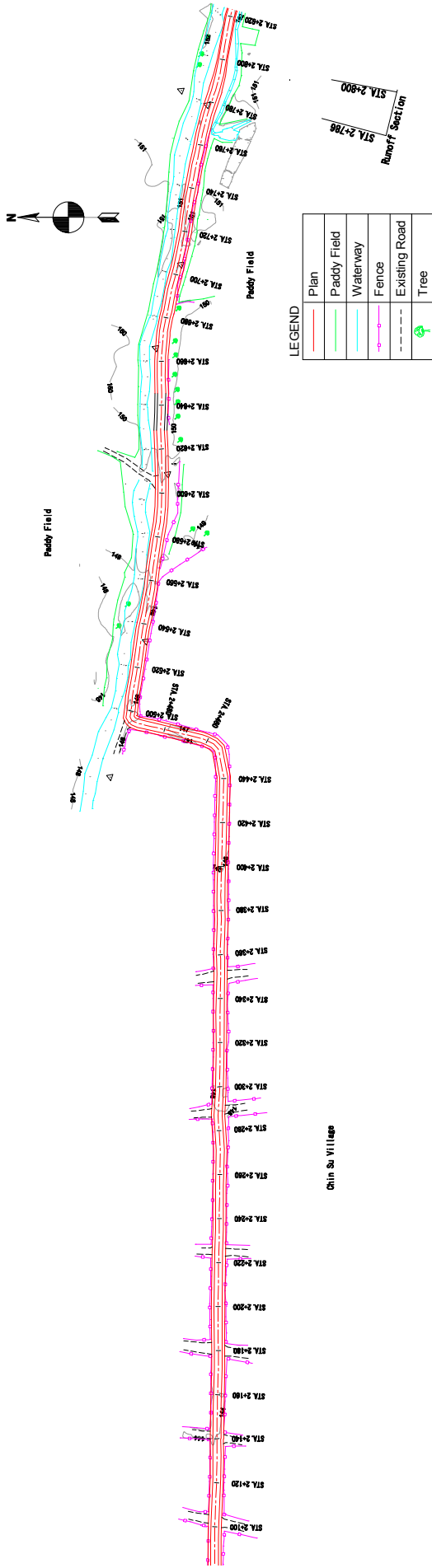
PROFILE V=1:200  
H=1:1000



THE REPUBLIC OF THE UNION OF MYANMAR  CHIN STATE	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD. NIPPON KOEI CO., LTD.		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS  Douluang Village Tract  Route Zo Nuan Zang		SHEET CONTENTS  PLAN & PROFILE (3/7) STA.2+100 ~ STA.2+800	SCALE  V=1:200 H=1:1000	DATE  DEC 2018	PAGE NO.  54 / 109

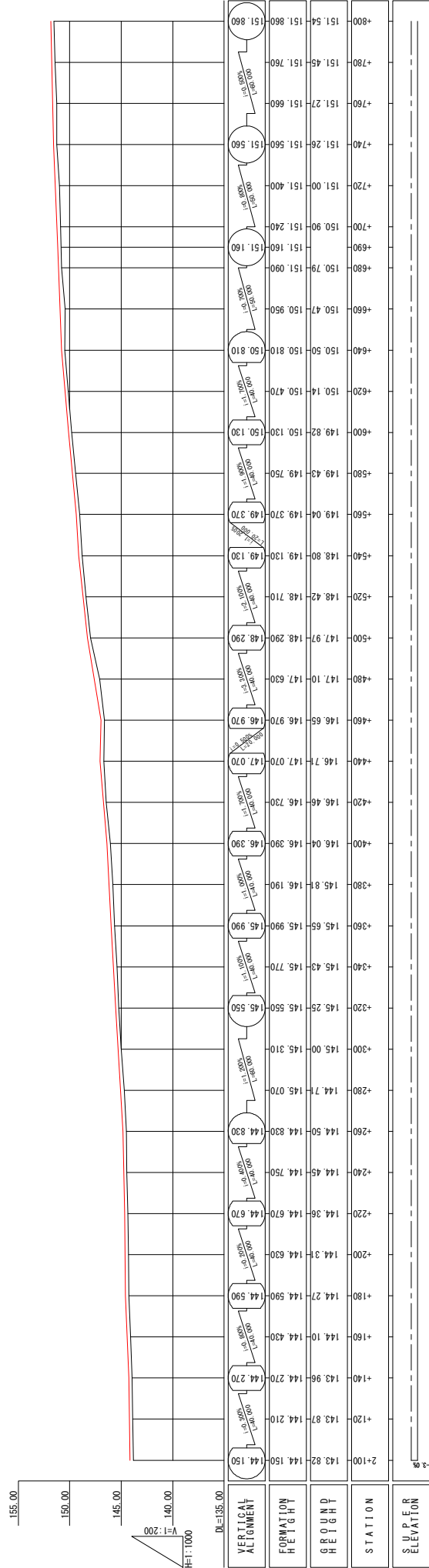
# PLAN & PROFILE (4/7)

PLAN S=1:1000



# PROFILE

V=1:200  
H=1:1000



THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	JAPAN INTERNATIONAL COOPERATION AGENCY 		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract Route Zo Nuan Zang		SHEET CONTENTS PLAN & PROFILE (4/7) STA.2+800 ~ STA.3+500		SCALE V=1:200 H=1:1000
		YACHIYO ENGINEERING CO., LTD. 		NIPPON KOEI CO., LTD. 		DATE DEC 2018	PAGE NO. 55 / 109			

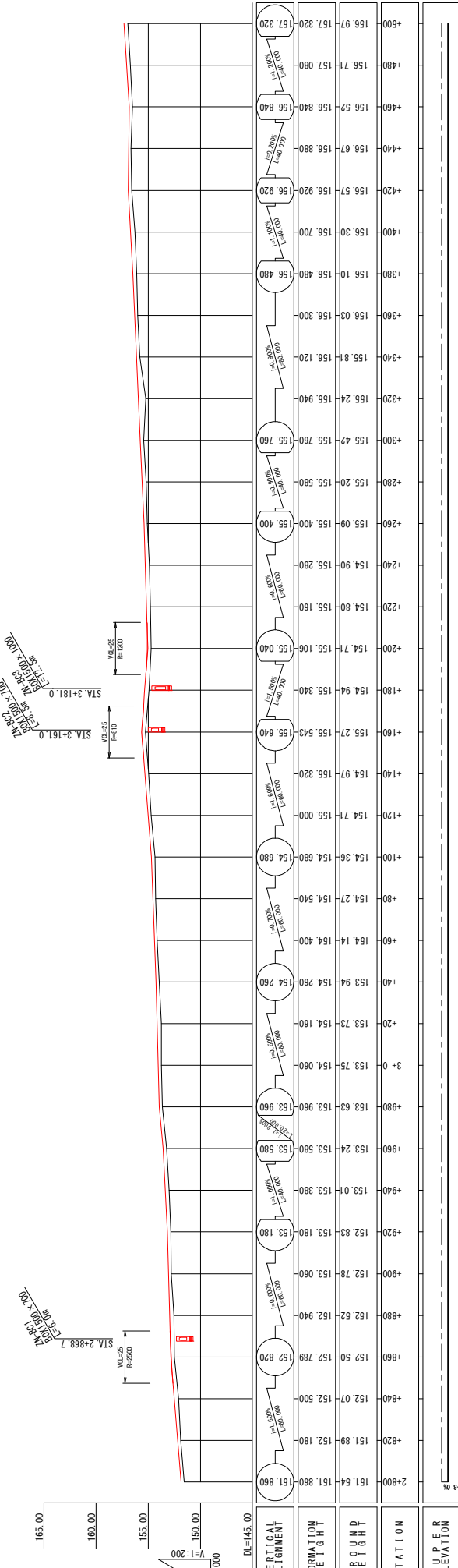
# PLAN & PROFILE (5/7)

PLAN S=1:1000



# PROFILE

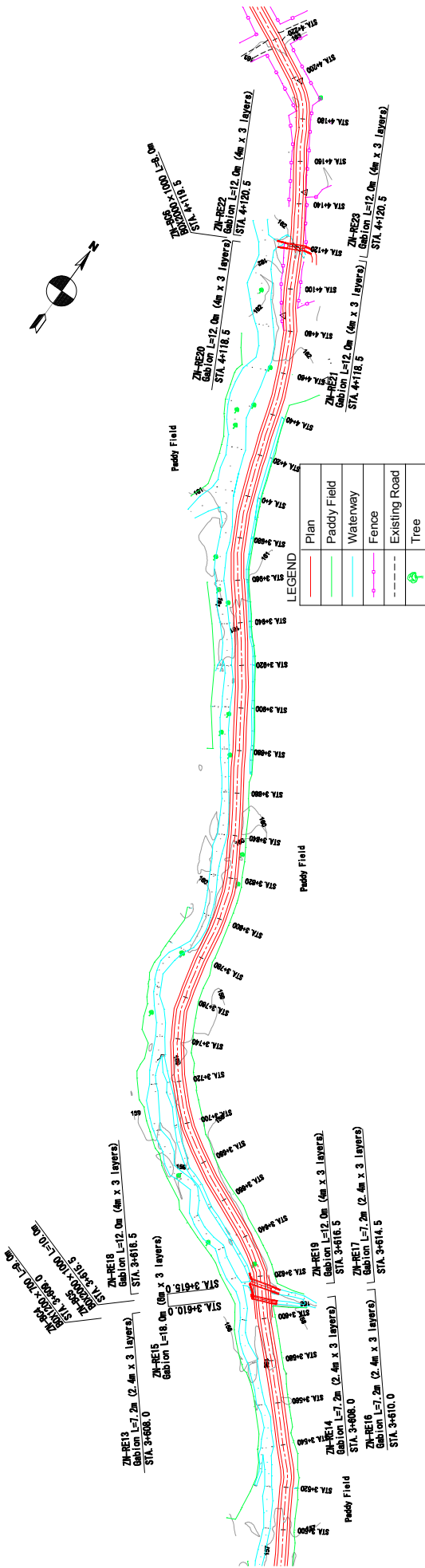
V=1:200  
H=1:1000



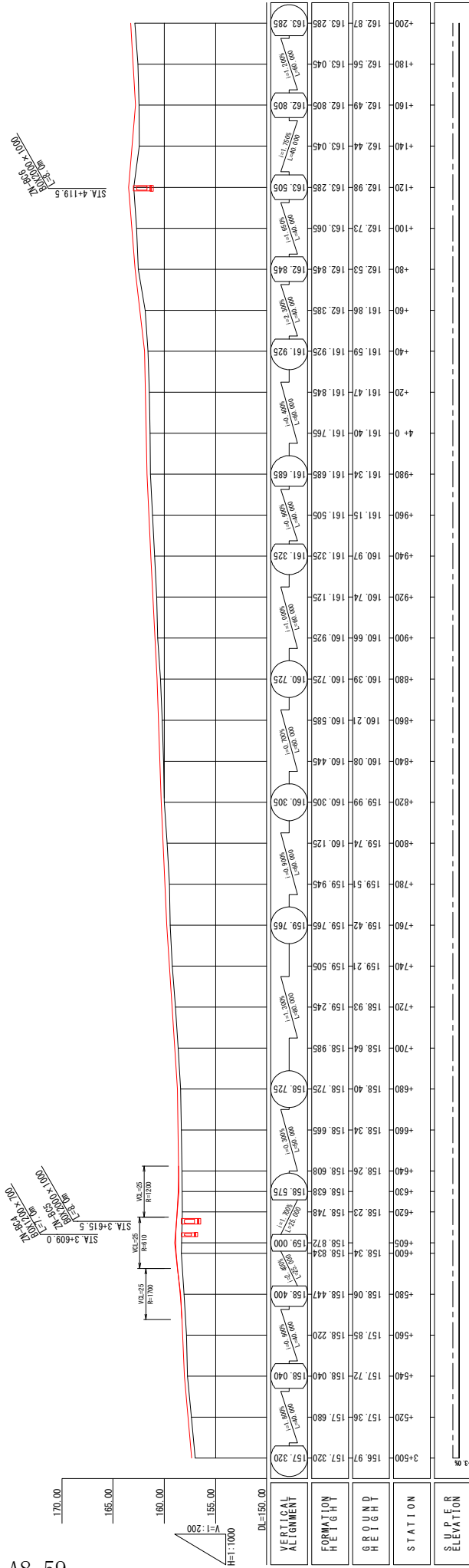
THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		DOLLUANG VILLAGE TRACT Route Zo Nuan Zang		SHEET CONTENTS PLAN & PROFILE (5/7) STA.2+800 ~ STA.3+500		SCALE	V=1:200 H=1:1000
			DATE	DEC 2018	PAGE NO.	56 / 109				

# PLAN & PROFILE (6/7)

PLAN S=1:1000

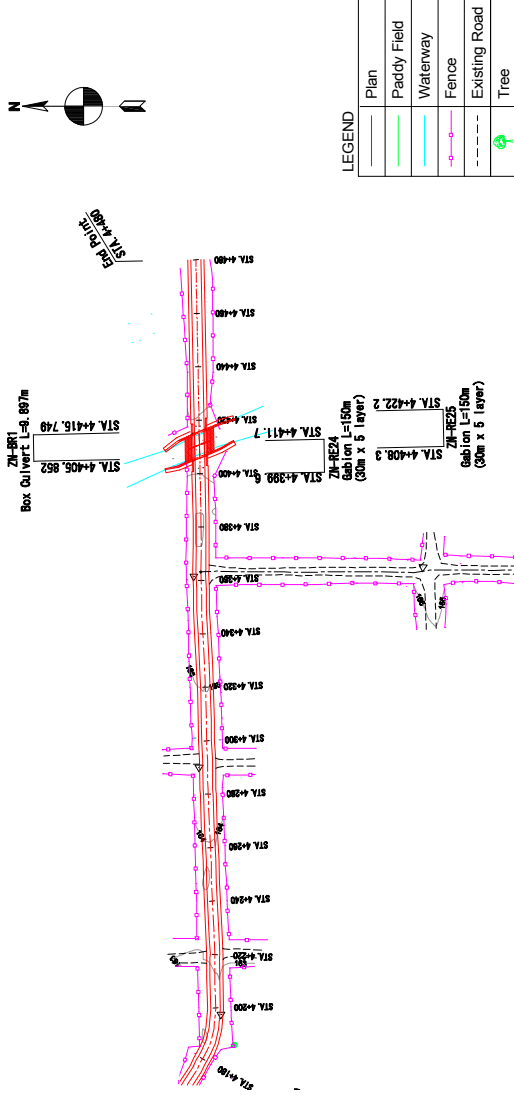


PROFILE V=1:200 H=1:1000

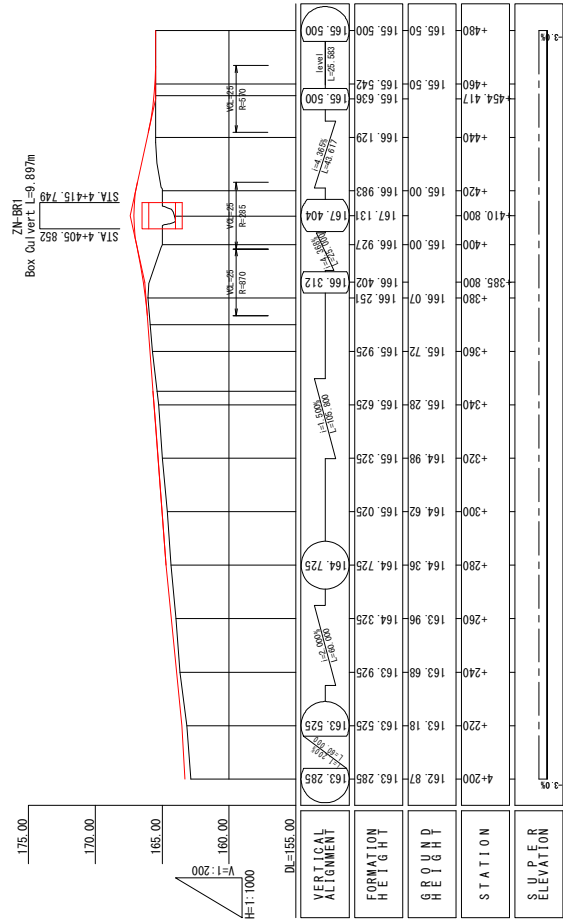


# PLAN & PROFILE (7/7)

PLAN S=1:1000



PROFILE V=1:200  
H=1:1000

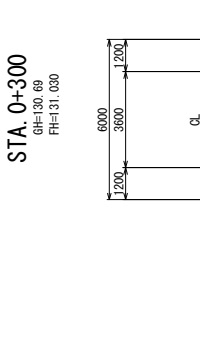


THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract		SHEET CONTENTS		SCALE	V=1:200 H=1:1000
		YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		Route Zo Nuan Zang		PLAN & PROFILE (7/7) STA.3+500 ~ STA.4+200		DATE	DEC 2018
								PAGE NO.	58 / 109

# CROSS SECTION (1/12)

**STA. 0+100**  
GH=128.49  
FH=128.870

Ground Height	128.49 m	Formation Height	128.870 m
Earth Work	0.4 m	Embankment	0.4 m
Gut	0.0 m	Shoulder	0.2 m
OUT	0.1 m	Protection	0.2 m
OUT	0.0 m	Embankment	0.2 m
Left Side	0.0 m	Left Side	0.5 m
Right Side	0.0 m	Right Side	0.5 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m	Base Course	2.40 m

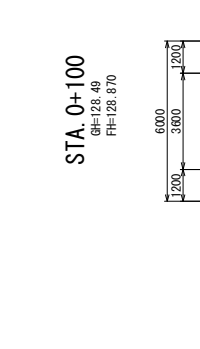


Datum R.L. 125.

Natural Surface	4.3	130.70
Chainage	3.0	130.62
	2.3	130.71
	0.0	130.69
	2.0	130.68
	2.5	130.64
	4.0	130.66

**STA. 0+200**  
GH=129.36  
FH=129.710

Ground Height	129.36 m	Formation Height	129.710 m
Earth Work	0.4 m	Embankment	0.4 m
Gut	0.0 m	Shoulder	0.2 m
OUT	0.1 m	Protection	0.2 m
OUT	0.0 m	Embankment	0.2 m
Left Side	0.0 m	Left Side	0.5 m
Right Side	0.0 m	Right Side	0.5 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m	Base Course	2.40 m

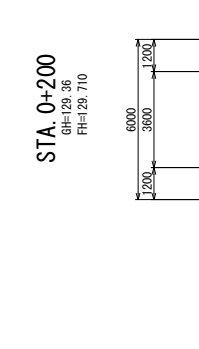


Datum R.L. 125.

Natural Surface	4.3	128.43
Chainage	2.6	128.54
	1.8	128.51
	0.0	128.49
	1.7	128.47
	2.4	128.46
	4.3	128.42

**STA. 0+300**  
GH=130.69  
FH=131.030

Ground Height	130.69 m	Formation Height	131.030 m
Earth Work	0.4 m	Embankment	0.4 m
Gut	0.0 m	Shoulder	0.2 m
OUT	0.1 m	Protection	0.2 m
OUT	0.0 m	Embankment	0.2 m
Left Side	0.0 m	Left Side	0.5 m
Right Side	0.0 m	Right Side	0.5 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m	Base Course	2.40 m

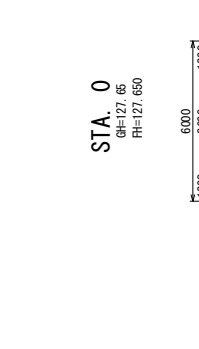


Datum R.L. 125.

Natural Surface	4.7	128.85
Chainage	3.0	129.31
	2.0	129.31
	0.0	129.36
	1.9	129.30
	2.9	129.25
	4.0	129.25

**STA. 0+400**  
GH=127.65  
FH=127.650

Ground Height	127.65 m	Formation Height	127.650 m
Earth Work	0.0 m	Embankment	0.0 m
Gut	1.7 m	Shoulder	0.0 m
OUT	0.0 m	Protection	0.0 m
OUT	0.0 m	Embankment	0.0 m
Left Side	0.0 m	Left Side	0.0 m
Right Side	0.0 m	Right Side	0.0 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m	Base Course	2.40 m



Datum R.L. 125.

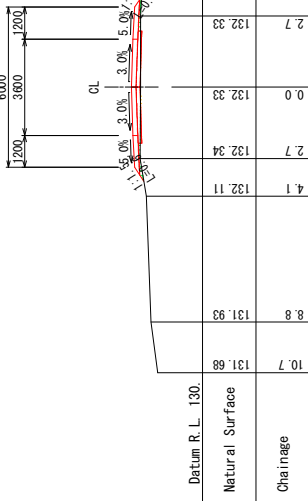
Natural Surface	9.9	127.63
Chainage	2.6	127.67
	0.0	127.65
	6.1	127.67
	12.4	127.72

THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract	Zo Nuan Zang Route	SHEET CONTENTS		SCALE	DATE	S=1:200
		CROSS SECTION (1/12)				STA.0+0 ~ STA.0+300	DEC 2018			

# CROSS SECTION (2/12)

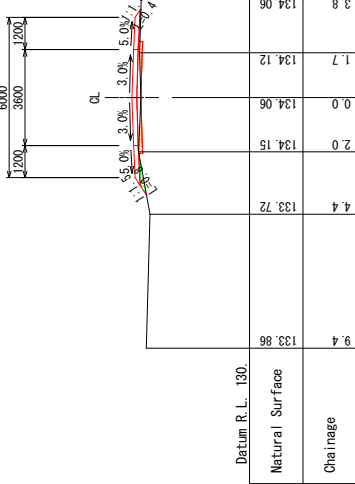
**STA. 0+500**  
GH=132.33  
FH=132.660

Ground Height	132.33 m	Formation Height	132.600 m
Earth Work	0.27 m <sup>3</sup>	Embankment	0.27 m <sup>3</sup>
Gut	0.2 m	Shoulder	0.5 m
Subgrade	0.2 m	Shoulder	2.40 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m	Surface	2.40 m



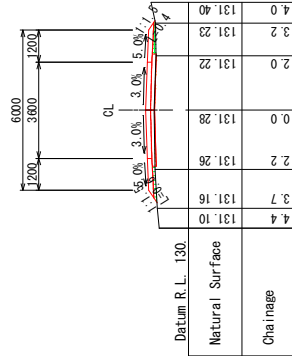
**STA. 0+700**  
GH=134.06  
FH=134.400

Ground Height	134.06 m	Formation Height	134.400 m
Earth Work	0.27 m <sup>3</sup>	Embankment	0.1 m <sup>3</sup>
Gut	0.2 m	Shoulder	0.4 m
Subgrade	0.2 m	Shoulder	2.40 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m	Surface	2.40 m



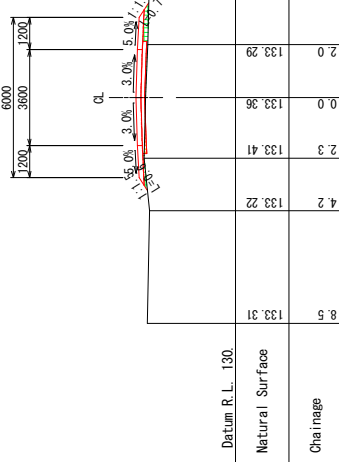
**STA. 0+400**  
GH=131.28  
FH=131.600

Ground Height	131.28 m	Formation Height	131.600 m
Earth Work	0.1 m <sup>3</sup>	Embankment	0.2 m <sup>3</sup>
Gut	0.1 m	Shoulder	0.4 m
Subgrade	0.1 m	Shoulder	2.40 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m	Surface	2.40 m



**STA. 0+600**  
GH=133.36  
FH=133.720

Ground Height	133.36 m	Formation Height	133.720 m
Earth Work	0.1 m <sup>3</sup>	Embankment	0.4 m <sup>3</sup>
Gut	0.1 m	Shoulder	0.7 m
Subgrade	0.1 m	Shoulder	2.40 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m	Surface	2.40 m

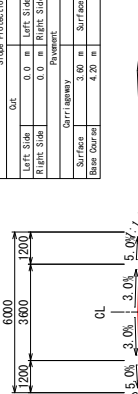


THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Dolluang Village Tract	ROUTE SECTION (2/12) STA.0+400 ~ STA.0+700	SCALE S=1:200
JICA YEP YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.			SHEET CONTENTS		DATE DEC 2018
			Route Zo Nuan Zang		PAGE NO. 60 / 109

# CROSS SECTION (3/12)

STA. 0+900	
Ground Height	132.48 m Formation Height 135.800 m
Earth Work	0.3 m
Cut	0.3 m
Embankment	0.5 m
Shoulder	2.40 m
Surface	3.60 m
Base Course	4.20 m

STA. 0+900  
GH=132.48  
FH=135.800

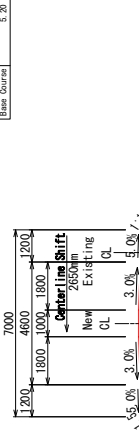


Chainage	11.5	9.1	6.8	3.4	0.0	2.1	4.1	9.1	11.8
Natural Surface	134.84	134.87	134.91	135.19	135.31	135.48	135.59	135.81	135.80
Chainage									

Datum R.L. 130.

STA. 1+100	
Ground Height	137.07 m Formation Height 137.300 m
Earth Work	0.4 m
Cut	0.4 m
Embankment	0.1 m
Shoulder	2.40 m
Surface	3.60 m
Base Course	5.20 m

STA. 1+100  
GH=137.07  
FH=137.300

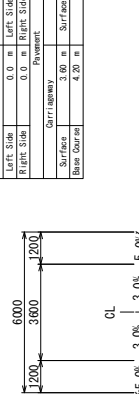


Chainage	12.9	8.9	6.1	4.5	2.8	1.9	0.0	1.9	6.9	9.4
Natural Surface	137.02	137.08	137.13	137.10	137.15	137.15	137.07	136.98	136.73	136.72
Chainage										

Datum R.L. 135.

STA. 0+800	
Ground Height	134.48 m Formation Height 134.800 m
Earth Work	0.2 m
Cut	0.2 m
Embankment	0.1 m
Shoulder	2.40 m
Surface	3.60 m
Base Course	4.20 m

STA. 0+800  
GH=134.48  
FH=134.800

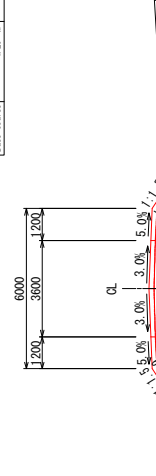


Chainage	10.5	5.6	3.2	2.2	134.49	2.3	5.4	10.2
Natural Surface	134.26	134.28	134.40	134.49	134.48	134.49	134.76	134.38
Chainage								

Datum R.L. 130.

STA. 1+0	
Ground Height	136.43 m Formation Height 136.750 m
Earth Work	0.0 m
Cut	0.0 m
Embankment	0.7 m
Shoulder	2.40 m
Surface	3.60 m
Base Course	4.20 m

STA. 1  
GH=136.43  
FH=136.750



Chainage	11.70	8.78	6.30	3.64	2.19	0.00	2.59	4.52	7.90	10.80
Natural Surface	136.26	136.21	136.27	136.16	136.42	136.43	136.24	136.16	136.41	136.57
Chainage										

Datum R.L. 135.

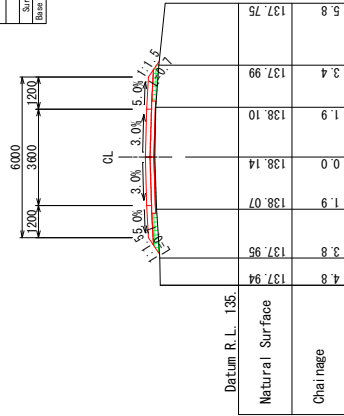
THE REPUBLIC OF THE UNION OF MYANMAR  CHIN STATE	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Dolluang Village Tract  Route Zo Nuan Zang	SHEET CONTENTS  CROSS SECTION (3/12) STA.0+800 ~ STA.1+100
	SCALE	DATE	PAGE NO.
		S=1:200	DEC 2018 61 / 109



# CROSS SECTION (4/12)

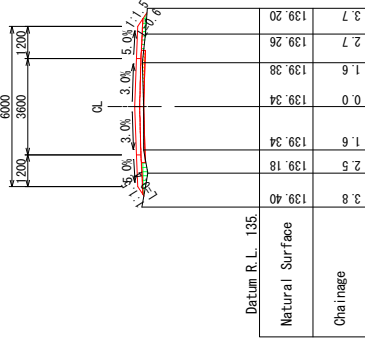
**STA. 1+300**  
 GH=138.14  
 FH=138.490

Ground Height	138.14 m	Formation Height	138.490 m
Earth Work	0.0 m	Embankment	0.0 m
Gut	0.0 m	Shoulder	0.7 m
OUT	0.0 m	Slope Protection	0.7 m
OUT	0.0 m	Subgrade	0.7 m
Left Side	0.0 m	Left Side	0.7 m
Right Side	0.0 m	Right Side	0.7 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m	Shoulder	2.40 m



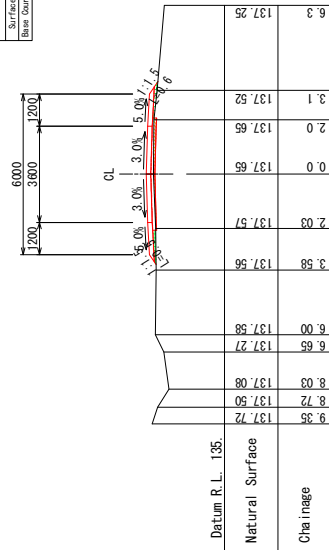
**STA. 1+500**  
 GH=139.34  
 FH=139.670

Ground Height	139.34 m	Formation Height	139.670 m
Earth Work	0.0 m	Embankment	0.4 m
Gut	0.0 m	Shoulder	0.6 m
OUT	0.0 m	Slope Protection	0.6 m
OUT	0.0 m	Subgrade	0.6 m
Left Side	0.0 m	Left Side	0.6 m
Right Side	0.0 m	Right Side	0.6 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m	Shoulder	2.40 m



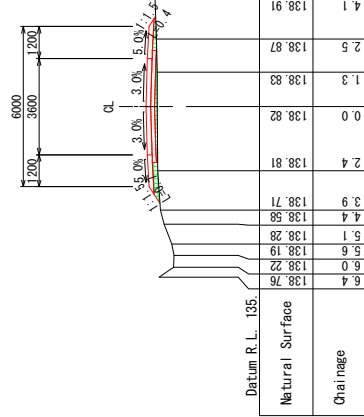
**STA. 1+200**  
 GH=137.65  
 FH=137.930

Ground Height	137.65 m	Formation Height	137.930 m
Earth Work	0.2 m	Embankment	0.2 m
Gut	0.0 m	Shoulder	0.5 m
OUT	0.0 m	Slope Protection	0.5 m
OUT	0.0 m	Subgrade	0.5 m
Left Side	0.0 m	Left Side	0.5 m
Right Side	0.0 m	Right Side	0.5 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m	Shoulder	2.40 m



**STA. 1+400**  
 GH=138.82  
 FH=139.250

Ground Height	138.82 m	Formation Height	139.250 m
Earth Work	0.0 m	Embankment	0.7 m
Gut	0.0 m	Shoulder	0.4 m
OUT	0.0 m	Slope Protection	0.4 m
OUT	0.0 m	Subgrade	0.4 m
Left Side	0.0 m	Left Side	0.4 m
Right Side	0.0 m	Right Side	0.4 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m	Shoulder	2.40 m

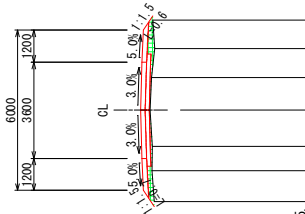


THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract	SHEET CONTENTS	SCALE	S=1:200
		CROSS SECTION (4/12) STA.1+200 ~ STA.1+500				DATE	DEC 2018
				Route Zo Nuan Zang		PAGE NO.	62 / 109

# CROSS SECTION (5/12)

**STA. 1+700**  
GH=140.93  
FH=141.290

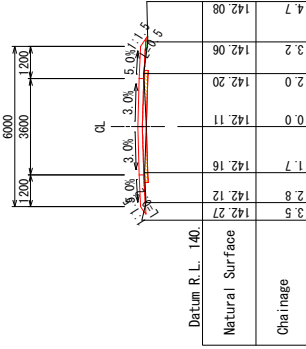
Ground Height	140.93 m	Formation Height	141.290 m
Earth Work	0.0 m <sup>3</sup>	Embankment	0.0 m <sup>3</sup>
Gut	0.0 m	Shoulder	0.8 m
OUT	0.0 m	Shoulder	0.8 m
Left Side	0.0 m	Left Side	0.7 m
Right Side	0.0 m	Right Side	0.6 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m	Base Course	2.40 m



Datum R. L.	135	3.4	140.78	2.3	140.86	1.4	140.84	0.0	140.93	1.2	140.87	2.3	140.76	3.4	140.82
Natural Surface															
Chainage															

**STA. 1+900**  
GH=142.11  
FH=142.430

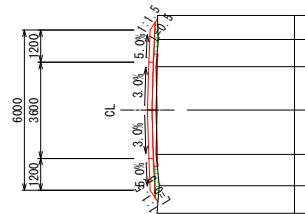
Ground Height	142.11 m	Formation Height	142.430 m
Earth Work	0.3 m <sup>3</sup>	Embankment	0.1 m <sup>3</sup>
Gut	0.0 m	Shoulder	0.1 m
OUT	0.0 m	Shoulder	0.1 m
Left Side	0.0 m	Left Side	0.2 m
Right Side	0.0 m	Right Side	0.5 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m	Base Course	2.40 m



Datum R. L.	140	3.5	142.27	2.8	142.12	1.7	142.16	0.0	142.11	2.0	142.20	3.2	142.06	4.7	142.08
Natural Surface															
Chainage															

**STA. 1+600**  
GH=140.15  
FH=140.510

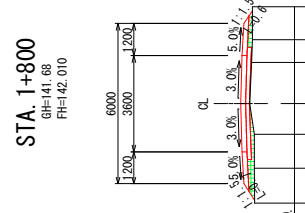
Ground Height	140.15 m	Formation Height	140.510 m
Earth Work	0.0 m <sup>3</sup>	Embankment	0.2 m <sup>3</sup>
Gut	0.0 m	Shoulder	0.2 m
OUT	0.0 m	Shoulder	0.2 m
Left Side	0.0 m	Left Side	0.5 m
Right Side	0.0 m	Right Side	0.5 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m	Base Course	2.40 m



Datum R. L.	135	3.9	140.15	2.8	140.06	1.6	140.18	0.0	140.15	1.6	140.19	2.7	140.09	3.5	140.13
Natural Surface															
Chainage															

**STA. 1+800**  
GH=141.68  
FH=142.010

Ground Height	141.68 m	Formation Height	142.010 m
Earth Work	0.0 m <sup>3</sup>	Embankment	0.8 m <sup>3</sup>
Gut	0.0 m	Shoulder	0.8 m
OUT	0.0 m	Shoulder	0.8 m
Left Side	0.0 m	Left Side	0.7 m
Right Side	0.0 m	Right Side	0.6 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m	Base Course	2.40 m



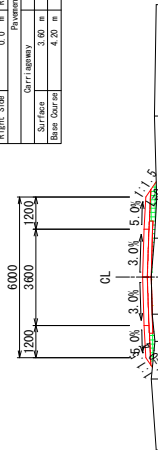
Datum R. L.	140	3.7	141.48	2.4	141.50	1.1	141.51	0.0	141.68	1.5	141.61	2.4	141.57	3.6	141.58
Natural Surface															
Chainage															

THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR		Dolluang Village Tract	SHEET CONTENTS	SCALE	S=1:200
		RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS					DATE
		FOR		Route Zo Nuan Zang		PAGE NO.	
		YACHYO ENGINEERING CO., LTD.		CROSS SECTION (5/12)		63 / 109	
		NIPPON KOEI CO., LTD.		STA.1+600 ~ STA.1+900			

# CROSS SECTION (6/12)

<b>STA. 2+100</b>	
Ground Height	143.82 m
Formation Height	144.150 m
Earth Work	0.0 m
Embankment	0.0 m
Gut	0.0 m
Slope Protection	0.0 m
OUT	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Left Side	0.4 m
Right Side	0.7 m
Pavement	
Shoulder	2.40 m
Surface	3.60 m
Base Course	4.20 m

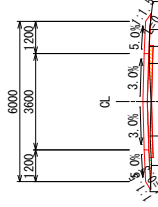
**STA. 2+100**  
 GH=143.82  
 FH=144.150



Datum R. L.	140.	143.64	143.70	143.80	143.82	143.72	143.63	143.71	143.64	10.2
Natural Surface										
Chainage										

<b>STA. 2+300</b>	
Ground Height	145.00 m
Formation Height	145.310 m
Earth Work	0.0 m
Embankment	0.0 m
Gut	0.3 m
Slope Protection	0.0 m
OUT	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Left Side	0.3 m
Right Side	0.4 m
Pavement	
Shoulder	2.40 m
Surface	3.60 m
Base Course	4.20 m

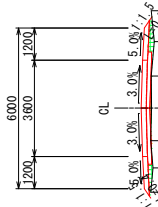
**STA. 2+300**  
 GH=145.00  
 FH=145.310



Datum R. L.	140.	145.03	144.98	145.04	145.07	145.07	145.07	145.07	144.93	3.7
Natural Surface										
Chainage										

<b>STA. 2+0</b>	
Ground Height	143.07 m
Formation Height	143.450 m
Earth Work	0.0 m
Embankment	0.0 m
Gut	0.0 m
Slope Protection	0.0 m
OUT	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Left Side	0.4 m
Right Side	0.5 m
Pavement	
Shoulder	2.40 m
Surface	3.60 m
Base Course	4.20 m

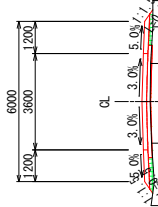
**STA. 2**  
 GH=143.07  
 FH=143.450



Datum R. L.	140.	143.09	143.02	143.10	143.07	143.07	142.96	143.08	143.09	3.1
Natural Surface										
Chainage										

<b>STA. 2+200</b>	
Ground Height	144.31 m
Formation Height	144.630 m
Earth Work	0.0 m
Embankment	0.4 m
Gut	0.1 m
Slope Protection	0.0 m
OUT	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Left Side	0.5 m
Right Side	0.5 m
Pavement	
Shoulder	2.40 m
Surface	3.60 m
Base Course	4.20 m

**STA. 2+200**  
 GH=144.31  
 FH=144.630



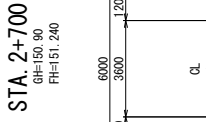
Datum R. L.	140.	144.29	144.16	144.27	144.31	144.30	144.22	144.22	144.22	3.8
Natural Surface										
Chainage										

THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract	SHEET CONTENTS		SCALE	DATE	S=1:200
		Route Zo Nuan Zang			CROSS SECTION (6/12) STA.2+0 ~ STA.2+300				

# CROSS SECTION (7/12)

**STA. 2+700**  
GH=150.80  
FH=151.240

Ground Height	150.90 m	Formation Height	151.240 m
Earth Work	0.0 m <sup>3</sup>	Embankment	1.5 m <sup>3</sup>
Gut	0.0 m	Shoulder	2.40 m
Left Side	0.0 m	Left Side	0.9 m
Right Side	0.0 m	Right Side	0.8 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m	Base Course	2.40 m



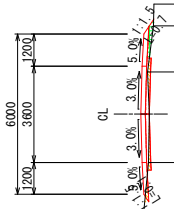
Datum R.L. 145.

Natural Surface	10.2	150.88	8.9	150.91	8.0	151.24	6.3	149.75	5.7	149.80	5.1	149.75	4.4	150.61	3.0	150.64	1.2	150.63	0.0	150.90	0.7	150.85	2.8	150.58	4.3	150.77	8.2	150.82	13.6	150.74
Cha image																														

**STA. 2+500**  
GH=147.97  
FH=148.290

Ground Height	147.97 m	Formation Height	148.290 m
Earth Work	0.6 m <sup>3</sup>	Embankment	0.2 m <sup>3</sup>
Gut	0.0 m	Shoulder	2.40 m
Left Side	0.0 m	Left Side	0.1 m
Right Side	0.0 m	Right Side	0.7 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m	Base Course	2.40 m

**STA. 2+500**  
GH=147.97  
FH=148.290

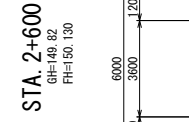


Datum R.L. 145.

Natural Surface	11.0	148.74	9.1	148.65	7.8	147.18	7.2	147.27	6.6	147.58	5.8	148.01	3.8	148.19	1.8	148.00	0.0	147.97	1.6	148.03	3.3	147.81	4.1	147.80	
Cha image																									

**STA. 2+600**  
GH=149.82  
FH=150.130

Ground Height	149.82 m	Formation Height	150.130 m
Earth Work	0.0 m <sup>3</sup>	Embankment	0.6 m <sup>3</sup>
Gut	0.0 m	Shoulder	2.40 m
Left Side	0.0 m	Left Side	0.4 m
Right Side	0.0 m	Right Side	0.7 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m	Base Course	2.40 m



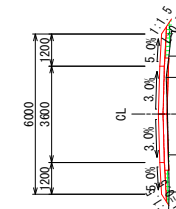
Datum R.L. 145.

Natural Surface	14.4	149.51	12.6	149.52	11.2	147.74	9.1	147.71	7.6	147.91	6.2	149.61	3.4	149.77	2.7	149.65	1.1	149.78	0.0	149.82	1.5	149.66	3.4	149.60	5.7	149.76	7.5	150.19	8.5	149.64	9.5	149.42	10.8	149.47	12.4	149.48	13.9	149.51	
Cha image																																							

**STA. 2+400**  
GH=146.04  
FH=146.390

Ground Height	146.04 m	Formation Height	146.390 m
Earth Work	0.1 m <sup>3</sup>	Embankment	0.4 m <sup>3</sup>
Gut	0.0 m	Shoulder	2.40 m
Left Side	0.0 m	Left Side	0.5 m
Right Side	0.0 m	Right Side	0.7 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m	Base Course	2.40 m

**STA. 2+400**  
GH=146.04  
FH=146.390



Datum R.L. 145.

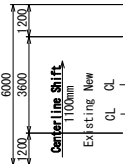
Natural Surface	3.7	146.01	2.9	145.98	1.5	146.01	0.0	146.04	1.4	146.10	2.2	145.90	3.1	145.90
Cha image														

THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract		SHEET CONTENTS		SCALE	S=1:200
		YACHIO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		Route Zo Nuan Zang		CROSS SECTION (7/12) STA.2+400 ~ STA.2+700		DATE	DEC 2018
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# CROSS SECTION (8/12)

**STA. 2+900**  
 GH=152.73  
 FH=153.060

Ground Height	152.73 m	Formation Height	153.000 m
Earth Work	0.0 m	Embankment	0.0 m
Cut	0.0 m	Shoulder	2.40 m
OUT	0.0 m	Slope Protection	
Left Side	0.0 m	Left Side	0.5 m
Right Side	0.0 m	Right Side	0.5 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m	Shoulder	2.40 m

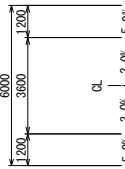


Datum R.L. 150.

Natural Surface	10.2	152.42	7.2	152.44	6.5	152.53	5.7	151.73	5.0	151.65	4.2	151.63	3.4	152.36	2.4	152.59	1.4	152.66	0.0	152.78	1.2	152.73	3.1	152.50	5.6	152.71	9.6	152.64	13.0	152.66
Chainage																														

**STA. 3+100**  
 GH=154.36  
 FH=154.680

Ground Height	154.36 m	Formation Height	154.680 m
Earth Work	0.0 m	Embankment	1.0 m
Cut	0.0 m	Shoulder	2.40 m
OUT	0.0 m	Slope Protection	
Left Side	0.0 m	Left Side	1.1 m
Right Side	0.0 m	Right Side	0.7 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m	Shoulder	2.40 m

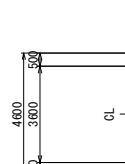


Datum R.L. 150.

Natural Surface	10.3	154.27	9.2	152.90	8.2	152.91	7.5	152.99	6.2	153.80	3.5	153.97	1.3	154.25	0.0	154.36	1.5	154.30	3.5	154.16	5.8	154.45	6.2	153.87	6.6	153.80	7.0	154.15	7.2	154.47	8.9	153.90	11.2	153.86
Chainage																																		

**STA. 2+800**  
 GH=151.54  
 FH=151.860

Ground Height	151.54 m	Formation Height	151.800 m
Earth Work	0.0 m	Embankment	0.1 m
Cut	0.0 m	Shoulder	1.00 m
OUT	0.0 m	Slope Protection	
Left Side	0.0 m	Left Side	0.5 m
Right Side	0.0 m	Right Side	0.5 m
Surface	3.60 m	Surface	1.00 m
Base Course	4.20 m	Shoulder	1.00 m

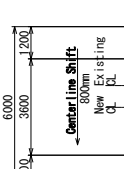


Datum R.L. 150.

Natural Surface	11.7	151.86	9.9	150.54	9.0	150.54	6.2	150.87	5.0	151.76	3.5	151.45	1.6	151.49	1.1	151.54	0.0	151.54	1.1	151.50	3.5	151.47	5.6	151.74	6.5	151.08	7.0	151.48	11.6	151.27
Chainage																														

**STA. 3+0**  
 GH=153.74  
 FH=154.060

Ground Height	153.74 m	Formation Height	154.000 m
Earth Work	0.1 m	Embankment	0.2 m
Cut	0.0 m	Shoulder	2.40 m
OUT	0.0 m	Slope Protection	
Left Side	0.0 m	Left Side	0.5 m
Right Side	0.0 m	Right Side	0.5 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m	Shoulder	2.40 m



Datum R.L. 150.

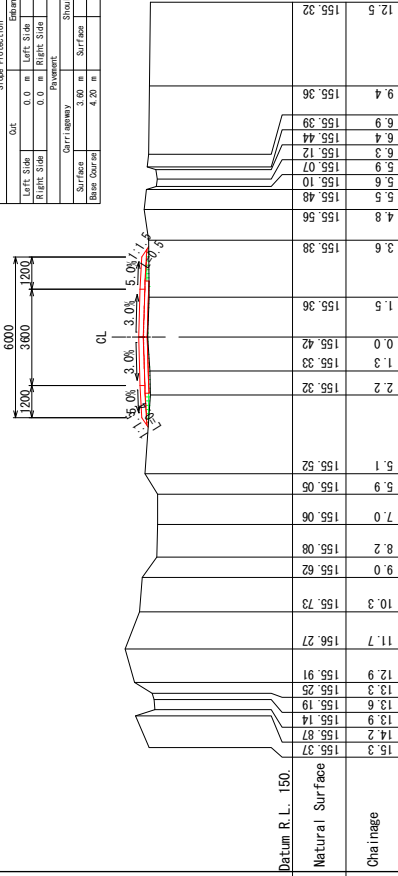
Natural Surface	13.0	153.88	10.7	153.44	9.4	152.37	8.4	152.32	7.4	152.40	6.5	153.51	4.2	153.68	1.2	153.74	0.0	153.75	1.6	153.68	2.7	153.67	4.4	153.69	5.6	153.72	7.5	153.46	12.6	153.66
Chainage																														

THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract		SHEET CONTENTS		SCALE	S=1:200
		JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		Route Zo Nuan Zang		CROSS SECTION (8/12) STA.2+800 ~ STA.3+100		DATE	DEC 2018
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# CROSS SECTION (9/12)

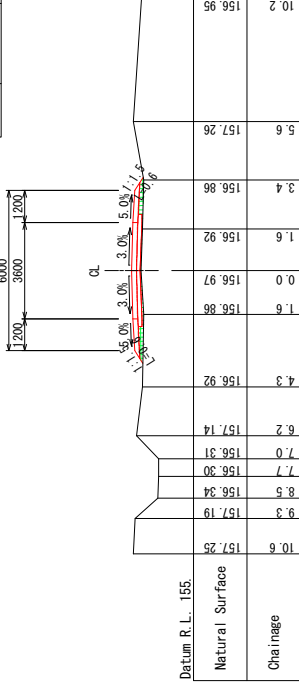
**STA. 3+300**  
 GH=155.42  
 FH=155.760

Ground Height	155.42 m	Formation Height	155.760 m
Earth Work	0.0 m <sup>3</sup>	Embankment	0.0 m <sup>3</sup>
Cut	0.0 m	Shoulder	2.40 m
Slope Protection		Shoulder	2.40 m
Out		Shoulder	2.40 m
Left Side	0.0 m	Left Side	0.4 m
Right Side	0.0 m	Right Side	0.5 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m	Base Course	2.40 m



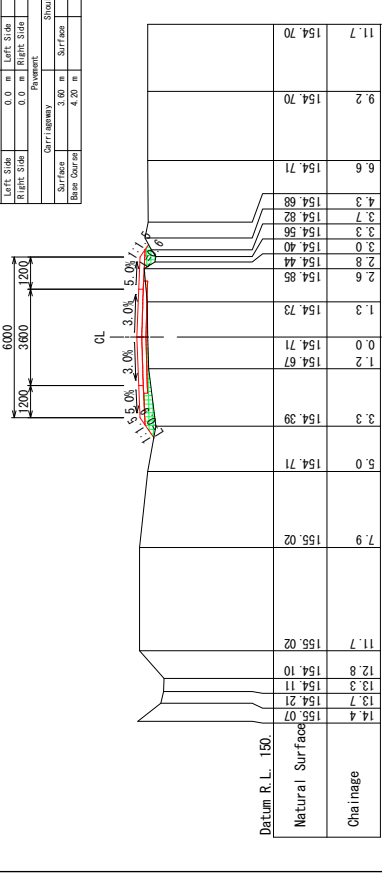
**STA. 3+500**  
 GH=156.97  
 FH=157.320

Ground Height	156.97 m	Formation Height	157.320 m
Earth Work	0.0 m <sup>3</sup>	Embankment	0.6 m <sup>3</sup>
Cut	0.0 m	Shoulder	2.40 m
Slope Protection		Shoulder	2.40 m
Out		Shoulder	2.40 m
Left Side	0.0 m	Left Side	0.6 m
Right Side	0.0 m	Right Side	0.6 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m	Base Course	2.40 m



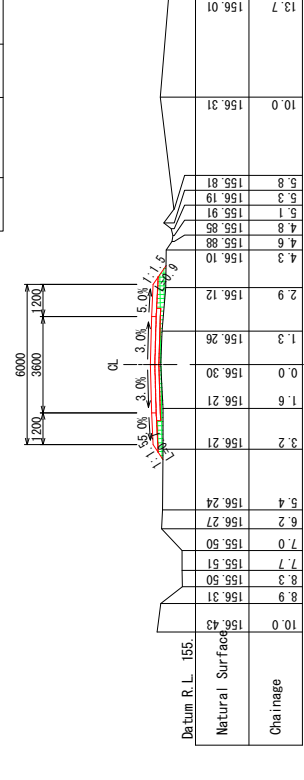
**STA. 3+200**  
 GH=154.71  
 FH=155.106

Ground Height	154.71 m	Formation Height	155.106 m
Earth Work	0.0 m <sup>3</sup>	Embankment	1.0 m <sup>3</sup>
Cut	0.0 m	Shoulder	2.40 m
Slope Protection		Shoulder	2.40 m
Out		Shoulder	2.40 m
Left Side	0.0 m	Left Side	0.9 m
Right Side	0.0 m	Right Side	0.6 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m	Base Course	2.40 m



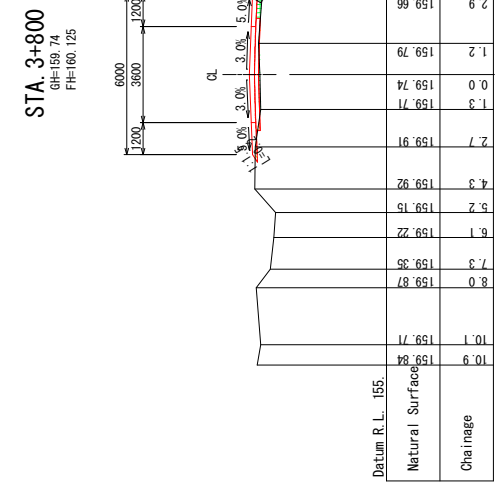
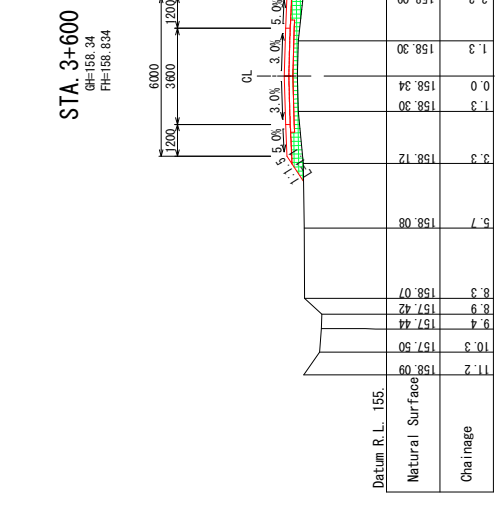
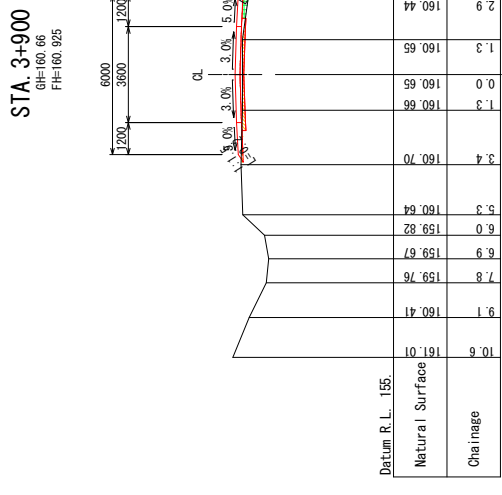
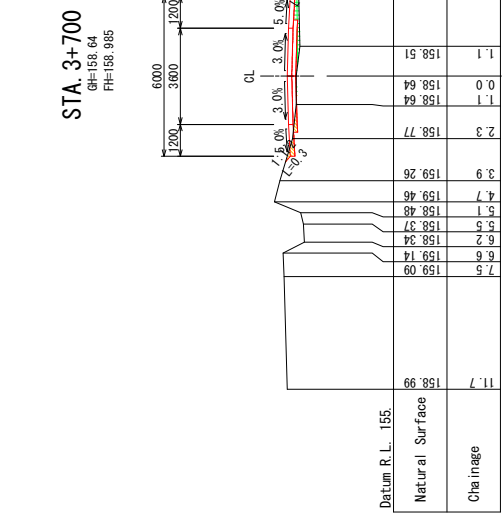
**STA. 3+400**  
 GH=156.30  
 FH=156.700

Ground Height	156.30 m	Formation Height	156.700 m
Earth Work	0.0 m <sup>3</sup>	Embankment	1.1 m <sup>3</sup>
Cut	0.0 m	Shoulder	2.40 m
Slope Protection		Shoulder	2.40 m
Out		Shoulder	2.40 m
Left Side	0.0 m	Left Side	0.9 m
Right Side	0.0 m	Right Side	0.7 m
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m	Base Course	2.40 m



THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Dolluang Village Tract Route Zo Nuan Zang	SHEET CONTENTS CROSS SECTION (9/12) STA.3+200 ~ STA.3+500	SCALE S=1:200
			DATE DEC 2018		PAGE NO. 67 / 109

# CROSS SECTION (10/12)



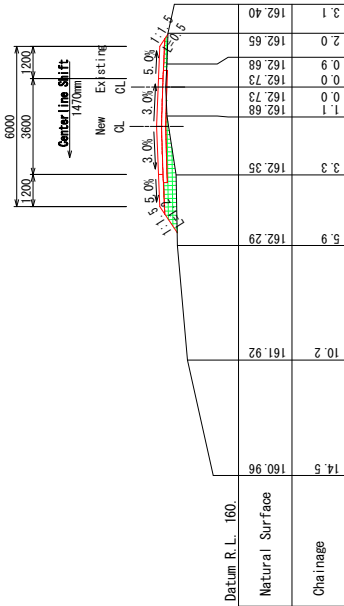
THE REPUBLIC OF THE UNION OF MYANMAR	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Dolluang Village Tract Route Zo Nuan Zang	SHEET CONTENTS	SCALE S=1:200
CHIN STATE	CROSS SECTION (10/12) STA.3+600 ~ STA.3+900			DATE DEC 2018
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# CROSS SECTION (11/12)

**STA. 4+100**  
 GH=162.63  
 FH=163.065

Ground Height	162.63	Formation Height	163.065
Earth Work	0.0	Embankment	1.4
Cut	0.0	Shoulder	0.5
OUT	0.0	Subgrade Protection	0.5
Left Side	0.0	Left Side	1.2
Right Side	0.0	Right Side	0.5
Surface	3.60	Surface	2.40
Base Course	4.20	Shoulder	2.40

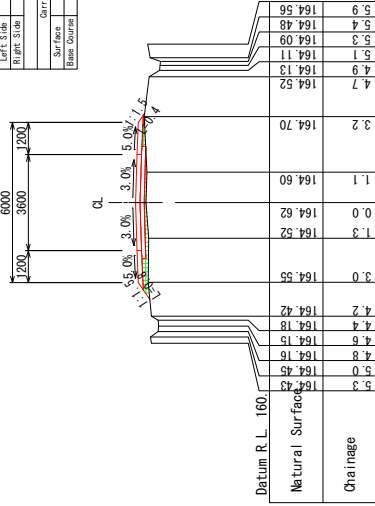
**STA. 4+100**  
 GH=162.63  
 FH=163.065



**STA. 4+300**  
 GH=164.62  
 FH=165.025

Ground Height	164.62	Formation Height	165.025
Earth Work	0.0	Embankment	0.7
Cut	0.0	Shoulder	0.4
OUT	0.0	Subgrade Protection	0.4
Left Side	0.0	Left Side	0.8
Right Side	0.0	Right Side	0.4
Surface	3.60	Surface	2.40
Base Course	4.20	Shoulder	2.40

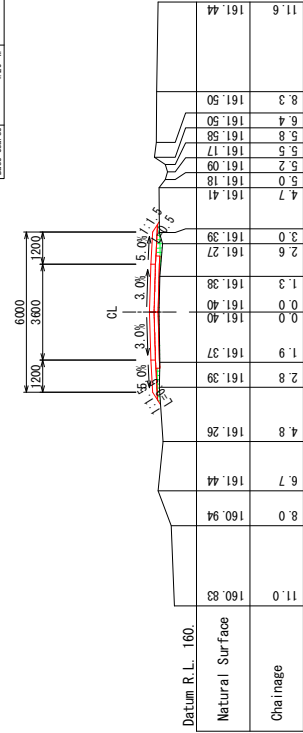
**STA. 4+300**  
 GH=164.62  
 FH=165.025



**STA. 4+0**  
 GH=161.40  
 FH=161.765

Ground Height	161.40	Formation Height	161.765
Earth Work	0.0	Embankment	0.3
Cut	0.0	Shoulder	0.5
OUT	0.0	Subgrade Protection	0.5
Left Side	0.0	Left Side	0.5
Right Side	0.0	Right Side	0.5
Surface	3.60	Surface	2.40
Base Course	4.20	Shoulder	2.40

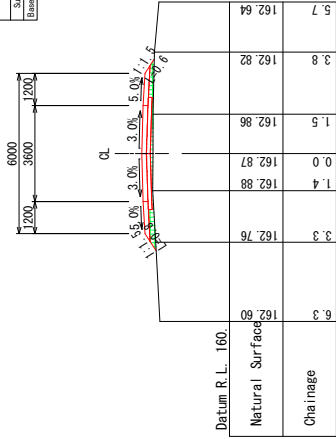
**STA. 4**  
 GH=161.40  
 FH=161.765



**STA. 4+200**  
 GH=162.87  
 FH=163.285

Ground Height	162.87	Formation Height	163.285
Earth Work	0.0	Embankment	0.8
Cut	0.0	Shoulder	0.6
OUT	0.0	Subgrade Protection	0.6
Left Side	0.0	Left Side	0.8
Right Side	0.0	Right Side	0.6
Surface	3.60	Surface	2.40
Base Course	4.20	Shoulder	2.40

**STA. 4+200**  
 GH=162.87  
 FH=163.285



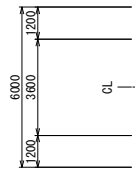
THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract	SHEET CONTENTS	SCALE	S=1:200
		CROSS SECTION (11/12) STA.4+0 ~ STA.4+300				DATE	DEC 2018
				Route Zo Nuan Zang		PAGE NO.	69 / 109



# CROSS SECTION (12/12)

GH=165.50  
FH=165.500

## STA. 4+480

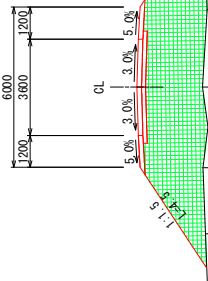


STA. 4+480	
Ground Height	165.50 m
Earth Work	0.0 m
Cut	0.0 m
Fill	0.0 m
Slope	Productive
Embankment	
Left Side	0.0 m
Right Side	0.0 m
Carriageway	4.5 m
Shoulder	2.0 m
Surface	4.5 m
Base Course	4.5 m

Datum R. L.	160.	165.34	165.50	165.48	164.98	164.89	164.84	164.89	164.67
Natural Surface	5.5	3.0	0.0	2.9	6.4	10.3			
Chai nage									

GH=165.00  
FH=167.467

## STA. 4+400



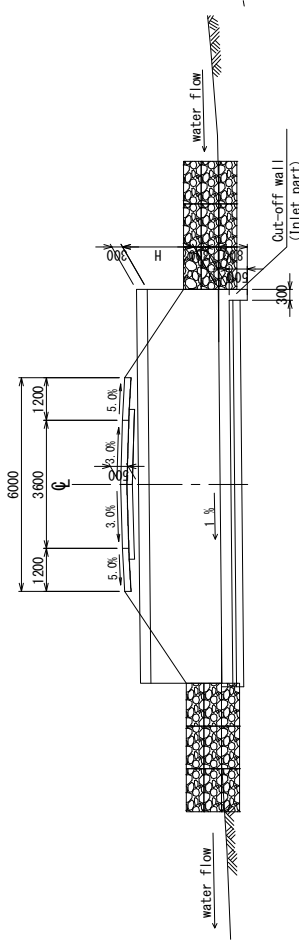
STA. 4+400	
Ground Height	165.00 m
Earth Work	22.4 m
Cut	0.0 m
Fill	22.4 m
Slope	Productive
Embankment	
Left Side	4.5 m
Right Side	4.5 m
Carriageway	4.5 m
Shoulder	2.0 m
Surface	4.5 m
Base Course	4.5 m

Datum R. L.	160.	164.77	164.80	164.84	164.89	164.89	164.84	164.89	164.67
Natural Surface	8.9	5.5	3.0	2.9	6.4	10.3			
Chai nage									

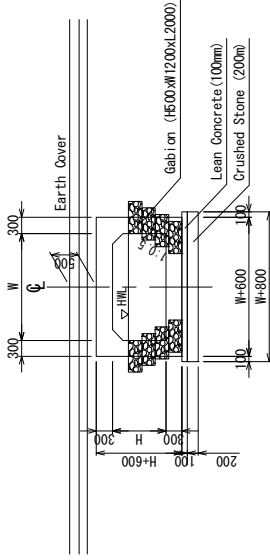
THE REPUBLIC OF THE UNION OF MYANMAR	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract Route Zo Nuan Zang	SHEET CONTENTS	
	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.			CROSS SECTION (12/12) STA.4+360	
CHIN STATE	SCALE	DATE	PAGE NO.	S=1:200	DEC 2018 70 / 109

# GENERAL VIEW OF BOX CULVERT

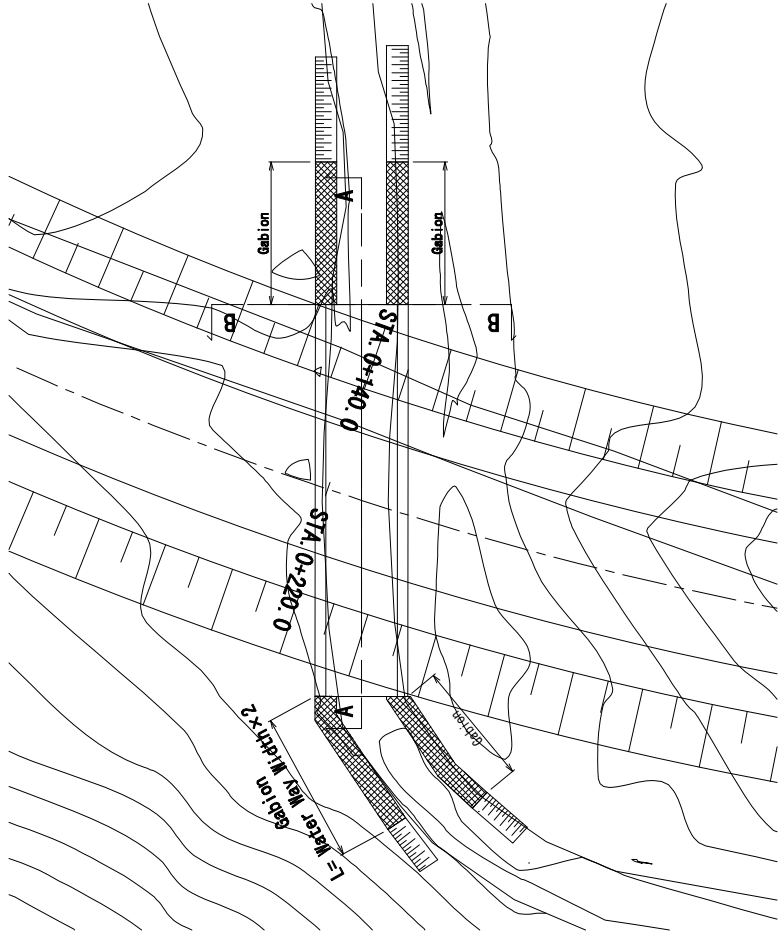
SECTION A - A S=1:150



SECTION B - B S=1:100



PLAN S=1:150



BOX LIST

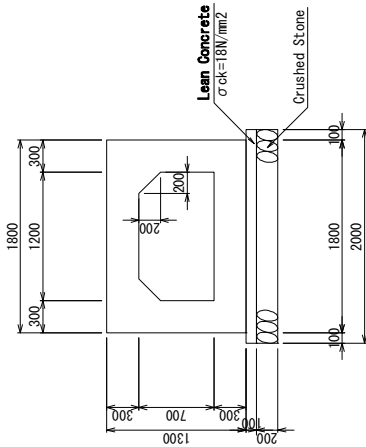
Route	Station	Structure No.	Size (WidthxHeight)	Length (m)
Route Zo Zang	-	-	-	-
Route Ian Zan	-	-	-	-
Route Zo Nuan Zang	STA. 2+868.7	ZN-BC1	1.5*0.7	6.7
	STA. 3+161.0	ZN-BC2	1.5*0.7	10.0
	STA. 3+181.0	ZN-BC3	1.5*1.0	13.8
	STA. 3+609.0	ZN-BC4	1.2*0.7	9.0
	STA. 3+615.5	ZN-BC5	2*1	10.0
Route Pamnchang (up stream)	STA. 4+119.5	ZN-BC6	2*1	8.0
	STA. 0+219.5	PA(U)-BC1	2*1	11.5
Route Pamnchang (down stream)	STA. 0+12.7	PA(D)-BC1	1.5*0.7	7

 THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	JICA YACHYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Chin State	SHEET CONTENTS	SCALE	As Shown
				-	GENERAL VIEW OF BOX CULVERT	DATE	DEC 2018

# TYPE OF BOX CULVERT

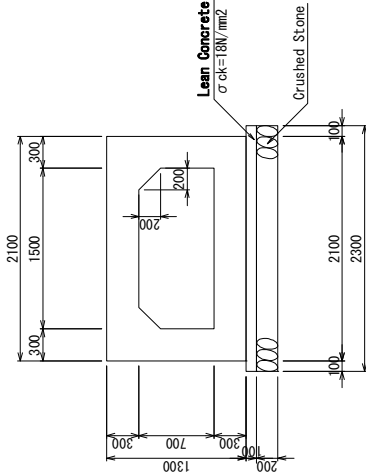
BOX CULVERT S=1:50

BOX1200 x 700



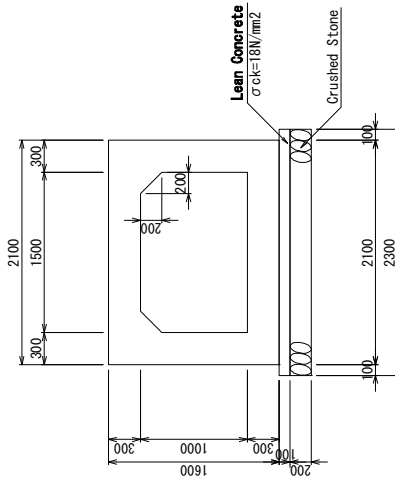
Size	Material List (Per 10.0m)		
	Concrete (m <sup>3</sup> )	Formwork (m <sup>2</sup> )	Crushed Stone (m <sup>3</sup> )
BOX1200 x 700	15.400	42.657	20.000
			Lean Concrete (m <sup>3</sup> )
			2.000
			Formwork for Lean Concrete (m <sup>2</sup> )
			2.000

BOX1500 x 700



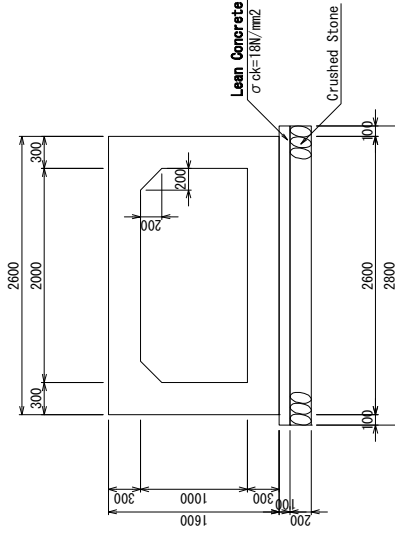
Size	Material List (Per 10.0m)		
	Concrete (m <sup>3</sup> )	Formwork (m <sup>2</sup> )	Crushed Stone (m <sup>3</sup> )
BOX1500 x 700	17.200	52.657	23.000
			Lean Concrete (m <sup>3</sup> )
			2.300
			Formwork for Lean Concrete (m <sup>2</sup> )
			2.000

BOX1500 x 1000



Size	Material List (Per 10.0m)		
	Concrete (m <sup>3</sup> )	Formwork (m <sup>2</sup> )	Crushed Stone (m <sup>3</sup> )
BOX1500 x 1000	19.000	64.657	23.000
			Lean Concrete (m <sup>3</sup> )
			2.300
			Formwork for Lean Concrete (m <sup>2</sup> )
			2.000

BOX2000 x 1000



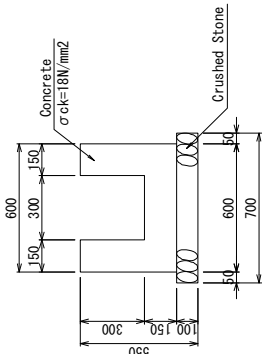
Size	Material List (Per 10.0m)		
	Concrete (m <sup>3</sup> )	Formwork (m <sup>2</sup> )	Crushed Stone (m <sup>3</sup> )
BOX2000 x 1000	22.000	69.657	26.000
			Lean Concrete (m <sup>3</sup> )
			2.300
			Formwork for Lean Concrete (m <sup>2</sup> )
			2.000

Route	Station	Structure No.	Size (Width*Height)	Length (m)
Route Zo Zang	-	-	-	-
Route Tan Zan	-	-	-	-
Route Zo Nuan Zang	STA. 2+888.7	ZN-BC1	1.5*0.7	6.7
	STA. 3+161.0	ZN-BC2	1.5*0.7	10.0
	STA. 3+181.0	ZN-BC3	1.5*1.0	13.8
	STA. 3+609.0	ZN-BC4	1.2*0.7	9.0
Route Pamunehang (Up Stream)	STA. 3+615.5	ZN-BC5	2*1	10.0
	STA. 4+119.5	ZN-BC6	2*1	8.0
Route Pamunehang (Down Stream)	STA. 0+219.5	PA (U)-BC1	2*1	11.5
	STA. 0+12.7	PA (D)-BC1	1.5*0.7	7.0

 THE REPUBLIC OF THE UNION OF MYANMAR CHIN STATE	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Chin State	SHEET CONTENTS	SCALE	S=1:50
			-	TYPE OF BOX CULVERT	DATE	DEC 2018
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# TYPE OF DITCH AND PIPE CULVERT

## CONCRETE DUTCH S=1:25



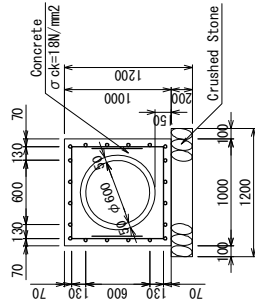
Size	Material List (Per 10.0m)	
	Concrete (m <sup>3</sup> )	Crushed Stone (m <sup>2</sup> )
U3-300×300	1.800	7.000

## DITCH LIST

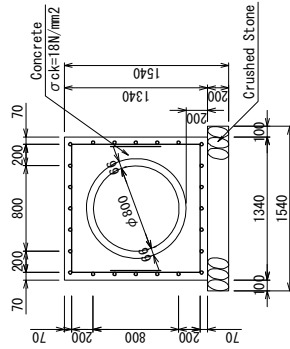
Route	Station	Structure No.	Size	Length (m)
Route Zo Zang	-	-	-	-
Route Tan Zan	-	-	-	-
Route Zo Nuan Zang	-	-	-	-
Route Pamunchang (up stream)	STA. 0+219.4~ STA. 0+380.8	PA(U)-QD1	U3-300×300	163
Route Pamunchang (down stream)	-	-	-	-

## PIPE CULVERT S=1:50

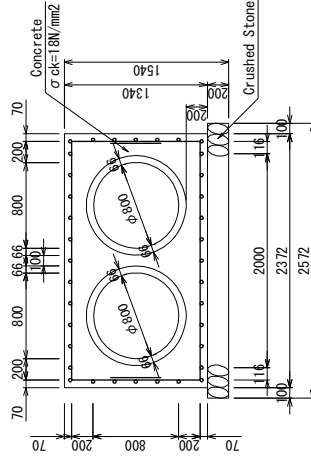
### P4-D600



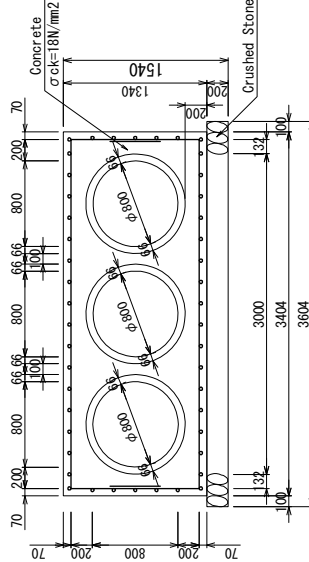
### P4-D800



### P4-D800 × 2



### P4-D800 × 3



Size	Material List (Per 10.0m)	
	Concrete (m <sup>3</sup> )	Crushed Stone (m <sup>2</sup> )
P4-D600	6.152	12.000
P4-D800	11.134	15.400
P4-D800×2	18.140	25.720
P4-D800×3	25.147	36.040

Size	Longitudinal Direction Rebar (R) (Per m)			Cross Direction Rebar (R) (Per m)			Total Weight (kg)
	Unit Weight of Rebar (kg/m)	Length (piece/m)	Number	Unit Weight of Rebar (kg/m)	Length (piece/m)	Number	
P4-D600	0.995	19.900	D13 10	0.995	21.791	D13 10	41.691
P4-D800×2	1.560	37.440	D13 10	0.995	28.557	D13 10	65.997
P4-D800×2	1.560	56.160	D13 10	0.995	38.825	D13 10	94.985
P4-D800×3	1.560	71.760	D13 10	0.995	49.093	D13 10	120.853

## PIPE LIST

Route	Station	Structure No.	Size	Length (m)
Route Zo Zang	[A1] STA. 0+751.1	ZZ-P11	P4-D600	8
	[A1] STA. 0+873.9	ZZ-P12	P4-D600	8
	[A1] STA. 1+386.6	ZZ-P13	P4-D600	7
	[A1] STA. 1+507.7	ZZ-P14	P4-D600	8
	[A1] STA. 1+937.2	ZZ-P15	P4-D600	9
	[A1] STA. 2+186.5	ZZ-P16	P4-D600	10
	[A1] STA. 2+240.0	ZZ-P17	P4-D600	11
	[A1] STA. 2+346.1	ZZ-P18	P4-D600	10
	[A1] STA. 2+562.2	ZZ-P19	P4-D600	11
	[A3] STA. 0+365.8	ZZ-P110	P4-D600	6
	[A3] STA. 0+532.9	ZZ-P111	P4-D600	8
	STA. 0+103.5	TZ-P11	P4-D800	8
	STA. 0+121.0	TZ-P12	P4-D800×3	8
	STA. 0+499.0	TZ-P13	P4-D800×3	8
	STA. 0+766.5	TZ-P14	P4-D600	8
	STA. 0+936.5	TZ-P15	P4-D800×2	8
	STA. 1+5.5	TZ-P16	P4-D800×2	8
STA. 1+290.5	TZ-P17	P4-D800×2	8	
STA. 1+583.5	TZ-P18	P4-D600	8	
STA. 1+613.0	TZ-P19	P4-D600	8	
STA. 1+704.5	TZ-P110	P4-D600	8	
STA. 1+957.5	TZ-P111	P4-D800	8	
STA. 2+97.5	TZ-P112	P4-D800	8	
Route Zo Nuan Zang	-	-	-	-
Route Pamunchang (up stream)	STA. 0+382.0	PA(U)-P11	P4-D600	8
Route Pamunchang (down stream)	-	-	-	-



THE REPUBLIC OF THE UNION OF MYANMAR



JAPAN INTERNATIONAL COOPERATION AGENCY  
YACHIYO ENGINEERING CO., LTD.  
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THE PROJECT FOR  
RURAL INFRASTRUCTURE DEVELOPMENT  
IN LOCAL AREAS

Chin State

CHIN STATE

TYPE OF  
DITCH AND PIPE CULVERT

SHEET CONTENTS

SCALE

As Shown

DATE

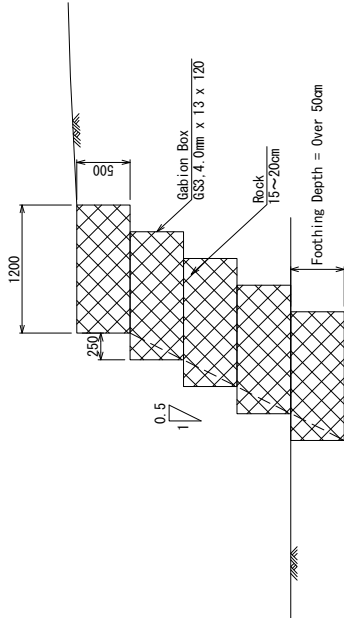
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# STANDARD DRAWING OF REVETMENT

SECTION S=1:50



GABION LIST

Route	Station	Structure No.	Size	Installation Length (m)
Route Zo Zang	STA. 1 + 623.1 ~ STA. 1 + 628.8	ZZ-RE1	5 Layers	30.0
	STA. 1 + 759.9 ~ STA. 1 + 780.2	ZZ-RE2	5 Layers	34.0
	STA. 1 + 94.1 ~ STA. 1 + 110.5	TZ-RE1	5 Layers	33.0
Route Tan Zan	STA. 1 + 112.5 ~ STA. 1 + 127.3	TZ-RE2	5 Layers	33.0
	STA. 1 + 241.0 ~ STA. 1 + 247.3	TZ-RE3	5 Layers	30.0
	STA. 1 + 250.7 ~ STA. 1 + 216.7	TZ-RE4	5 Layers	29.0
Route Zo Nuan Zang	STA. 2 + 138.3 ~ STA. 2 + 142.9	TZ-RE5	5 Layers	29.0
	STA. 2 + 156.0 ~ STA. 2 + 161.4	TZ-RE6	5 Layers	29.0
	STA. 2 + 868.0	ZN-RE1	3 Layers	3.0
	STA. 2 + 868.0	ZN-RE2	3 Layers	3.0
	STA. 2 + 869.5	ZN-RE3	3 Layers	3.0
	STA. 2 + 869.5	ZN-RE4	3 Layers	3.0
	STA. 3 + 160.0	ZN-RE5	3 Layers	3.0
	STA. 3 + 160.0	ZN-RE6	3 Layers	3.0
	STA. 3 + 162.0	ZN-RE7	3 Layers	3.0
	STA. 3 + 162.0	ZN-RE8	3 Layers	3.0
	STA. 3 + 180.0	ZN-RE9	3 Layers	3.0
	STA. 3 + 182.0	ZN-RE10	3 Layers	3.0
	STA. 3 + 182.0	ZN-RE11	3 Layers	3.0
	STA. 3 + 182.0	ZN-RE12	3 Layers	3.0
	STA. 3 + 608.0	ZN-RE13	3 Layers	2.4
STA. 3 + 608.0	ZN-RE14	3 Layers	2.4	
STA. 3 + 610.0 ~ STA. 3 + 615.0	ZN-RE15	3 Layers	6.0	
STA. 3 + 610.0	ZN-RE16	3 Layers	2.4	
STA. 3 + 614.5	ZN-RE17	3 Layers	2.4	
STA. 3 + 616.5	ZN-RE18	3 Layers	4.0	
STA. 3 + 616.5	ZN-RE19	3 Layers	4.0	
STA. 4 + 118.5	ZN-RE20	3 Layers	4.0	
STA. 4 + 118.5	ZN-RE21	3 Layers	4.0	
STA. 4 + 120.5	ZN-RE22	3 Layers	4.0	
STA. 4 + 120.5	ZN-RE23	3 Layers	4.0	
STA. 4 + 399.6 ~ STA. 4 + 411.7	ZN-RE24	5 Layers	30.0	
STA. 4 + 408.3 ~ STA. 4 + 422.2	ZN-RE25	5 Layers	30.0	

GABION LIST

Route	Station	Structure No.	Size	Installation Length (m)
Route Pamuncheng (Up stream)	STA. 0 + 53.9 ~ STA. 0 + 55.8	PA(U)-RE1	5 Layers	30.0
	STA. 0 + 85.1 ~ STA. 0 + 94.7	PA(U)-RE2	5 Layers	30.0
	STA. 0 + 217.3	PA(U)-RE3	2 Layers	4.0
	STA. 0 + 219.4	PA(U)-RE4	2 Layers	4.0
	STA. 0 + 219.8	PA(U)-RE5	2 Layers	4.0
	STA. 0 + 221.7	PA(U)-RE6	2 Layers	4.0
Route Pamuncheng (Down Stream)	STA. 0 + 0.00 ~ STA. 0 + 4.00	PA(D)-RE1	2 Layers	4.0
	STA. 0 + 4.00 ~ STA. 0 + 7.16	PA(D)-RE2	3 Layers	3.0
	STA. 0 + 7.16 ~ STA. 0 + 9.16	PA(D)-RE3	4 Layers	2.0
	STA. 0 + 0.00 ~ STA. 0 + 4.00	PA(D)-RE4	2 Layers	4.0
	STA. 0 + 4.00 ~ STA. 0 + 11.64	PA(D)-RE5	3 Layers	7.0
	STA. 0 + 11.64 ~ STA. 0 + 14.22	PA(D)-RE6	4 Layers	2.0
	STA. 0 + 11.33 ~ STA. 0 + 21.20	PA(D)-RE7	4 Layers	9.0
	STA. 0 + 21.20 ~ STA. 0 + 25.75	PA(D)-RE8	5 Layers	4.0
	STA. 0 + 10.68 ~ STA. 0 + 21.20	PA(D)-RE9	4 Layers	5.0
	STA. 0 + 21.20 ~ STA. 0 + 25.75	PA(D)-RE10	5 Layers	4.0
	STA. 0 + 45.22 ~ STA. 0 + 48.80	PA(D)-RE11	5 Layers	3.0
	STA. 0 + 48.80 ~ STA. 0 + 52.80	PA(D)-RE12	4 Layers	4.0
	STA. 0 + 52.80 ~ STA. 0 + 65.00	PA(D)-RE13	3 Layers	12.0
	STA. 0 + 65.00 ~ STA. 0 + 73.00	PA(D)-RE14	5 Layers	9.0
	STA. 0 + 73.00 ~ STA. 0 + 76.20	PA(D)-RE15	7 Layers	2.0
	STA. 0 + 45.22 ~ STA. 0 + 48.80	PA(D)-RE16	5 Layers	3.0
	STA. 0 + 48.80 ~ STA. 0 + 52.80	PA(D)-RE17	4 Layers	4.0
	STA. 0 + 52.80 ~ STA. 0 + 65.00	PA(D)-RE18	3 Layers	13.0
	STA. 0 + 65.00 ~ STA. 0 + 73.00	PA(D)-RE19	5 Layers	6.0
	STA. 0 + 73.00 ~ STA. 0 + 76.20	PA(D)-RE20	7 Layers	2.0
	STA. 0 + 105.10 ~ STA. 0 + 109.29	PA(D)-RE21	7 Layers	5.0
STA. 0 + 106.51 ~ STA. 0 + 115.23	PA(D)-RE22	2 Layers	8.0	
STA. 0 + 115.23 ~ STA. 0 + 130.00	PA(D)-RE23	6 Layers	15.0	
STA. 0 + 130.00 ~ STA. 0 + 145.80	PA(D)-RE24	5 Layers	16.0	
STA. 0 + 145.80 ~ STA. 0 + 151.81	PA(D)-RE25	4 Layers	6.0	
STA. 0 + 151.81 ~ STA. 0 + 154.81	PA(D)-RE26	3 Layers	3.0	
STA. 0 + 154.81 ~ STA. 0 + 157.81	PA(D)-RE27	2 Layers	3.0	



THE REPUBLIC OF THE UNION OF MYANMAR

CHIN STATE



JAPAN INTERNATIONAL COOPERATION AGENCY  
YACHIYO ENGINEERING CO., LTD.  
NIPPON KOEI CO., LTD.

THE PROJECT FOR  
RURAL INFRASTRUCTURE DEVELOPMENT  
IN LOCAL AREAS

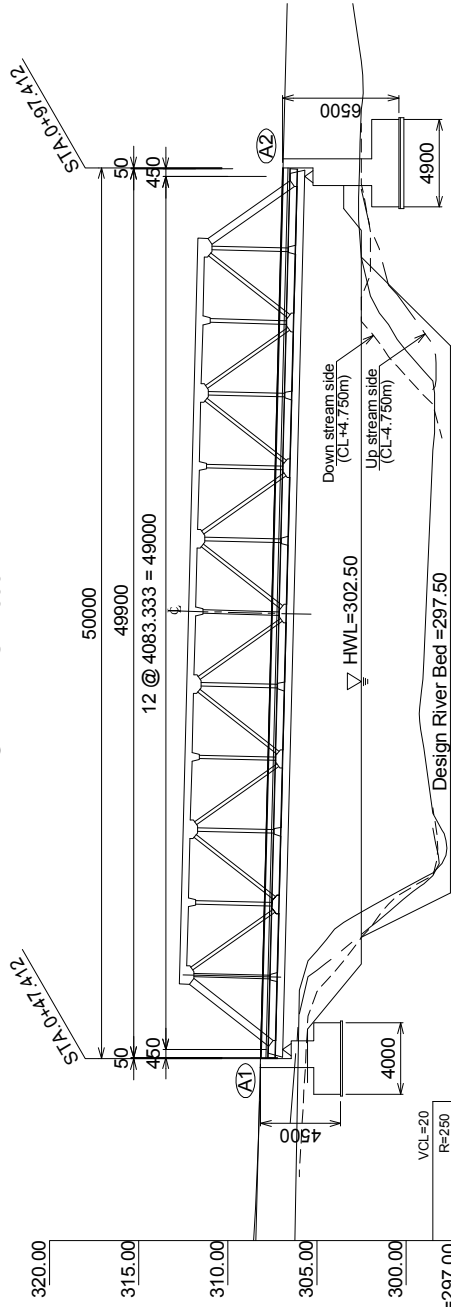
Chin State

SHEET CONTENTS  
STANDARD DRAWING  
OF REVETMENT

SCALE S=1:50  
DATE DEC 2018  
PAGE NO. 74 / 109

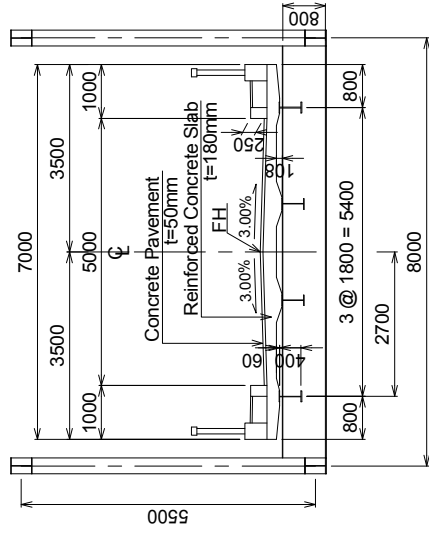
# GENERAL VIEW OF PA(U)-BR1

PROFILE S=1:300

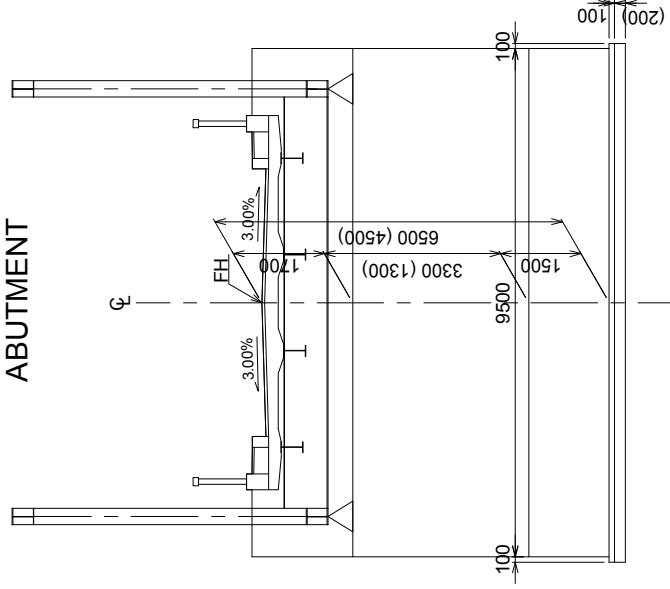


VERTICAL ALIGNMENT	FORMATION HEIGHT	GROUND HEIGHT	STATION	HORIZONTAL CURVATURE	SUPER ELEVATION
DL=297.00					
			0+40		3.000%
			0+47.412-308.20		
			0+60		
			0+80		
			0+97.412-302.61		
			0+100		
				L=69.408 R=∞	
				R=26	

# CROSS SECTION SUPERSTRUCTURE S=1:100

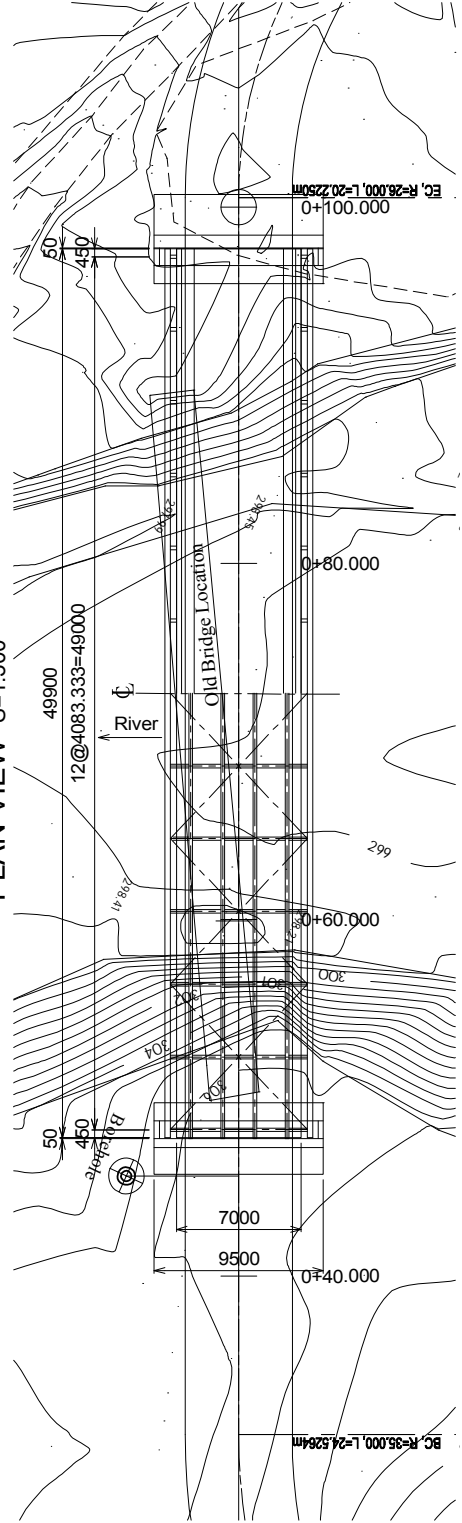


# ABUTMENT



\* Values in parentheses indicate A1 abutment

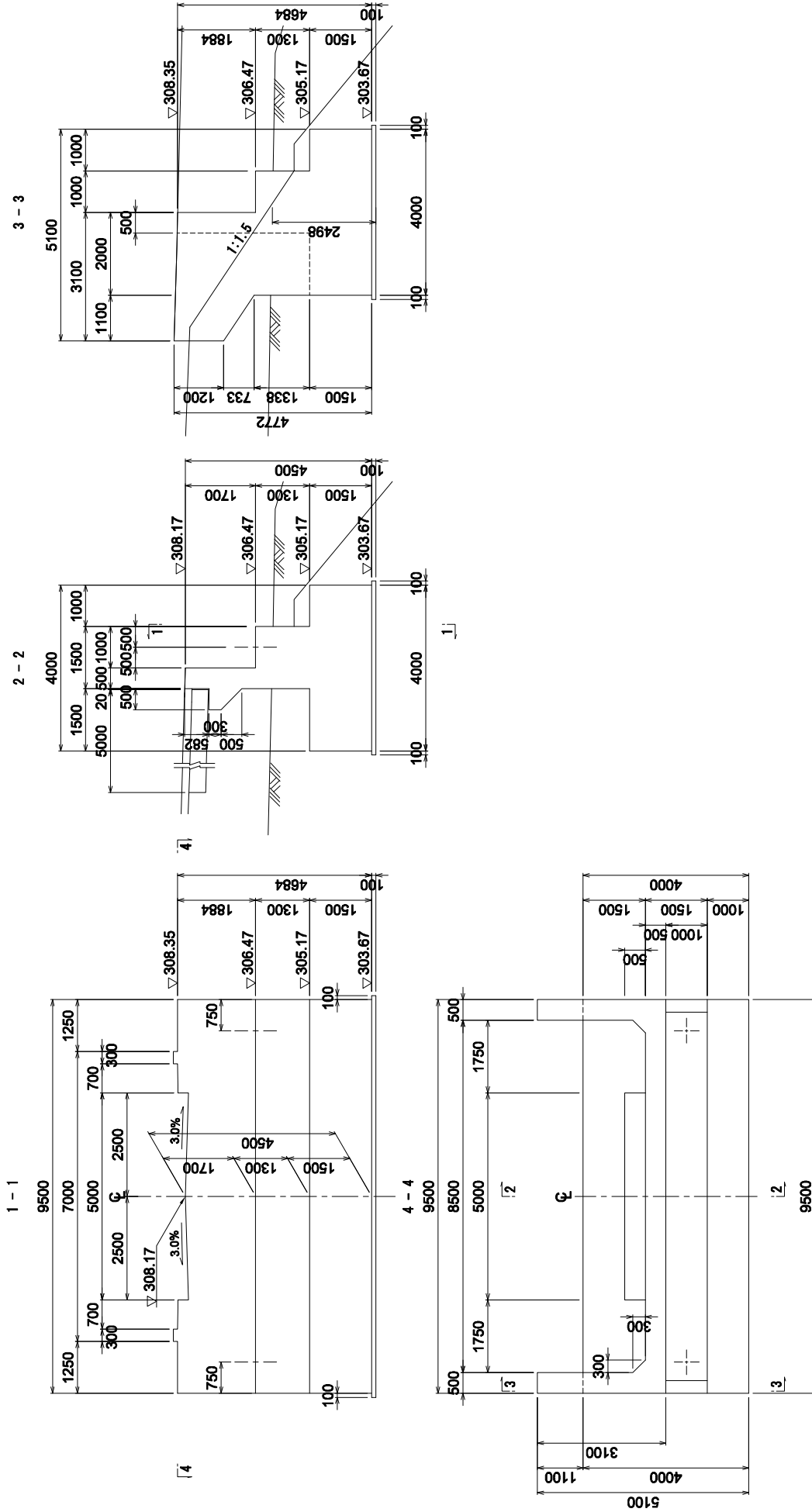
# PLAN VIEW S=1:300



THE REPUBLIC OF THE UNION OF MYANMAR	JAPAN INTERNATIONAL COOPERATION AGENCY	THE PROJECT FOR		SCALE	As Shown
		RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS			
CHIN STATE	YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	Zarthurior Village Tract		GENERAL VIEW OF PA(U)-BR1	
		Route Pamunchang (up stream)		DATE	DEC 2018
				PAGE NO.	75 / 109

# GENERAL ARRANGEMENT OF ABUTMENT A1(PA(U)-BR1)

## A1 Abutment

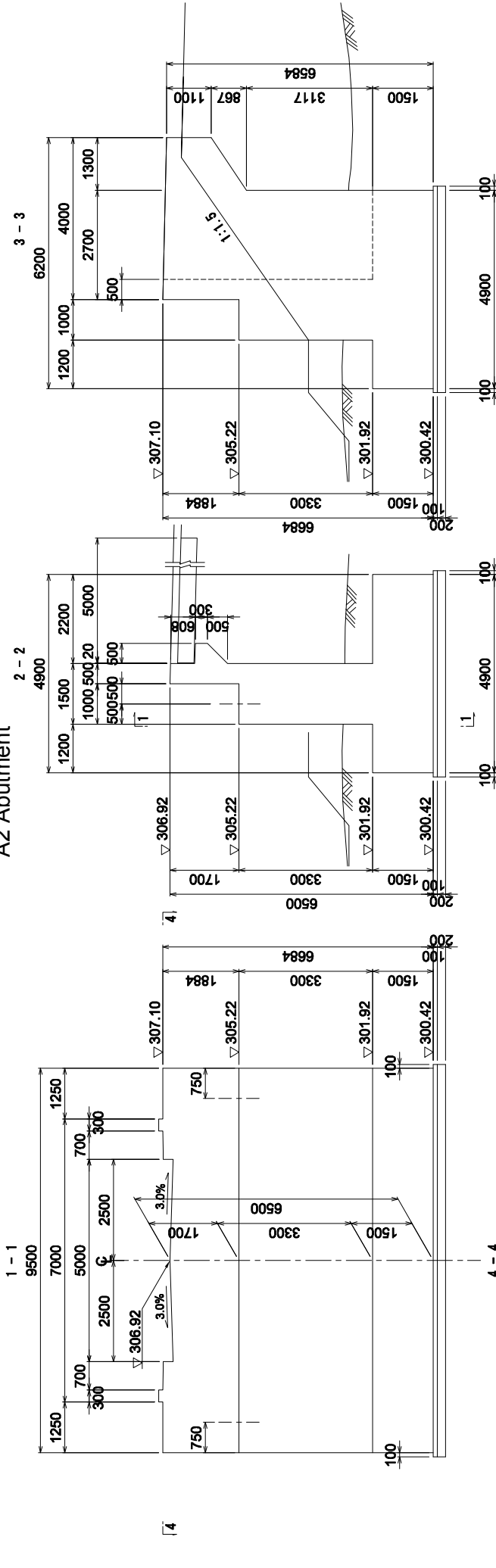


A8-78

 THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Zarthwior Village Tract Route Pamunchang (up stream)	SHEET CONTENTS	
					GENERAL ARRANGEMENT OF ABUTMENT (PA(U)-BR1)	
		SCALE	1:100			
		DATE	DEC 2018			
		PAGE NO.	76 / 109			

# GENERAL ARRANGEMENT OF ABUTMENT A2(PA(U)-BR1)

## A2 Abutment



A8-79

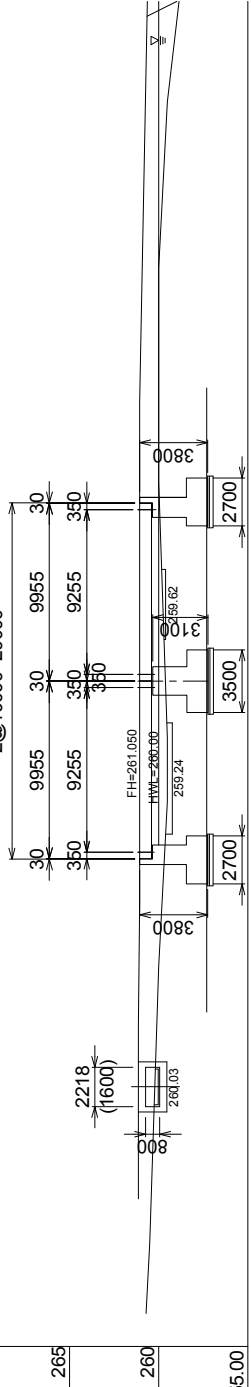
 THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Zarthwlor Village Tract Route Pamunchang (up stream)	SHEET CONTENTS	
					GENERAL ARRANGEMENT OF ABUTMENT (PA(U)-BR1)	
		SCALE	1:100			
		DATE	DEC 2018			
		PAGE NO.	77 / 109			



# GENERAL VIEW OF PA(D)-BR1

PROFILE S=1:300

2@10000=20000

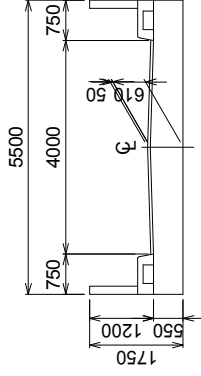


VERTICAL ALIGNMENT	20.000	259.97	281.086	40.000	259.77	281.050	44.977	259.94	281.050	58.752	280.00	60.000	259.93
FORMATION HEIGHT													
GROUND HEIGHT	8.509	260.35											
STATION	0												
HORIZONTAL CURVATURE	R=∞ L=8.509			R=∞ L=36.488			R=15 L=13.775			R=15 L=16.193			
SUPER ELEVATION													

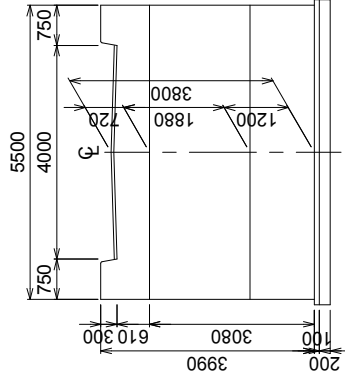
A8-80

CROSS SECTION S=1:100

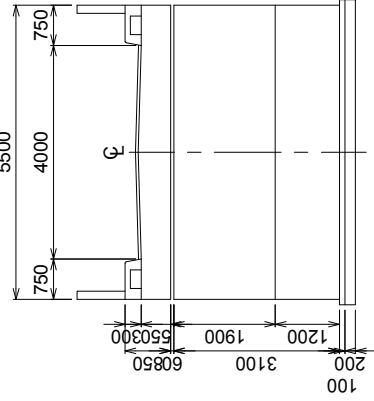
## SUPERSTRUCTURE



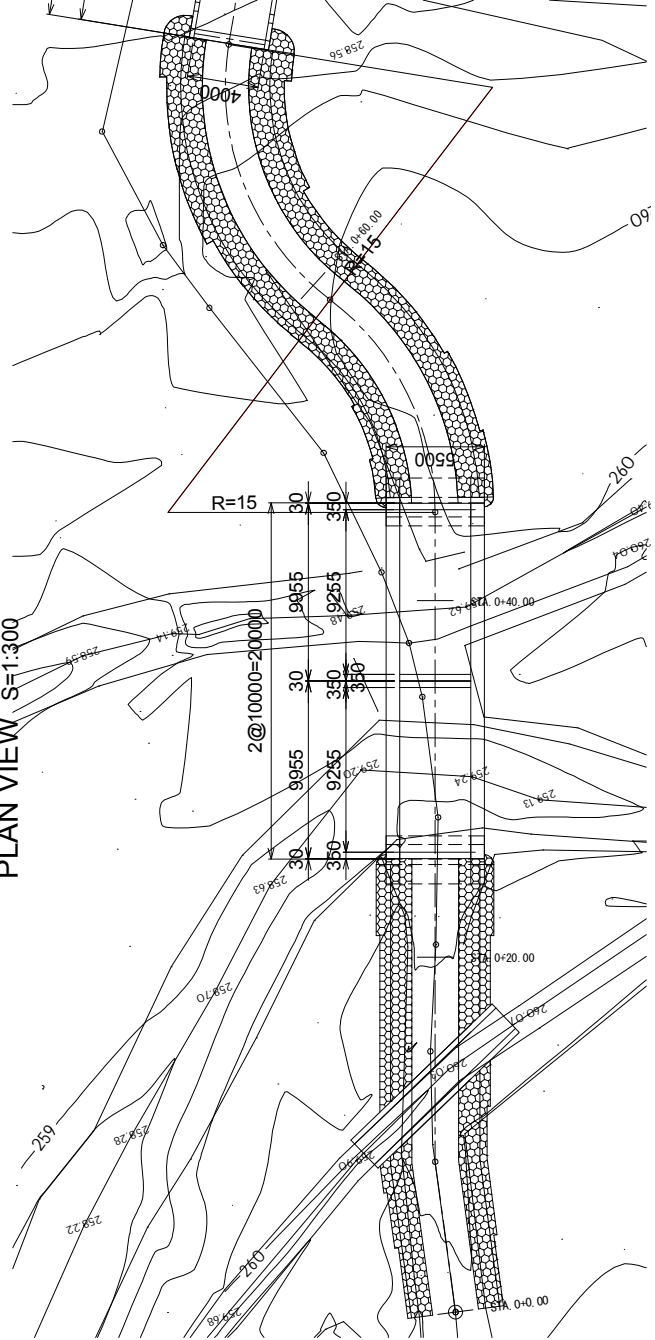
## ABUTMENT



## PIER



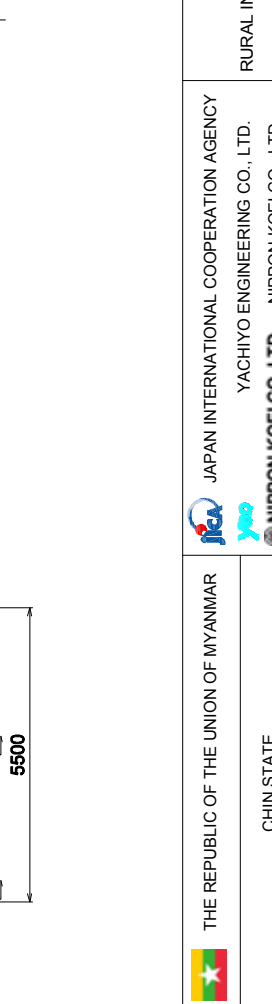
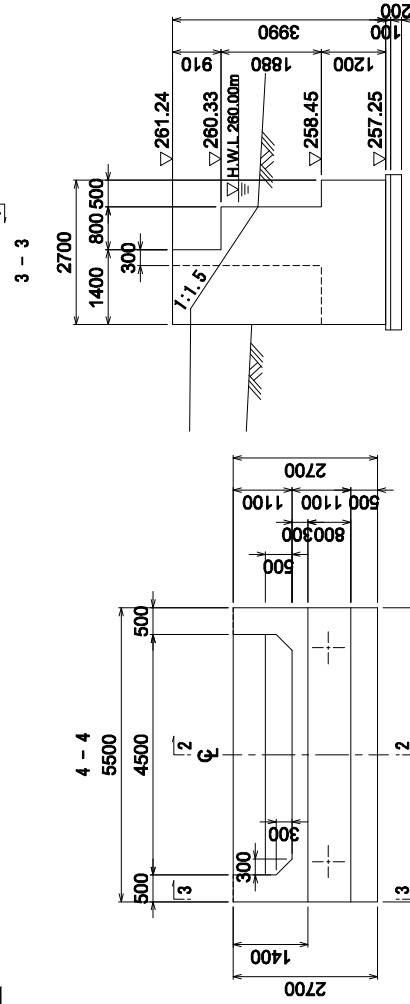
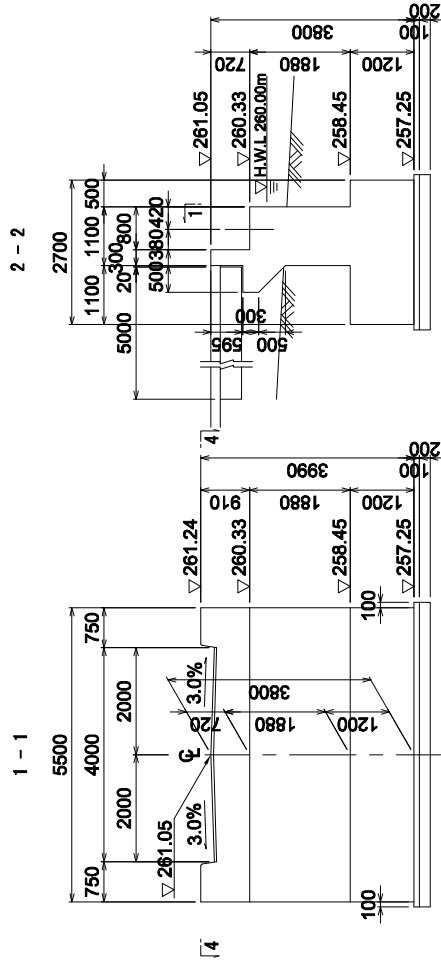
PLAN VIEW S=1:300



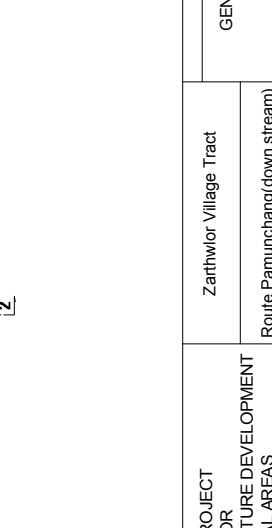
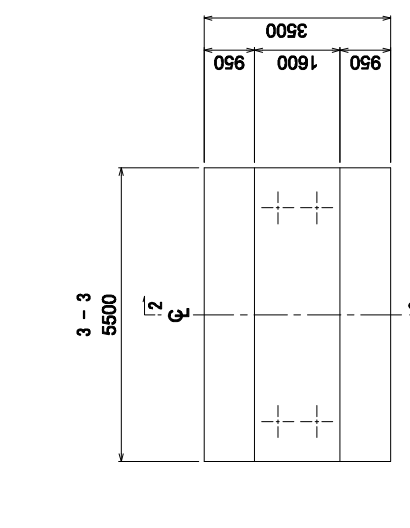
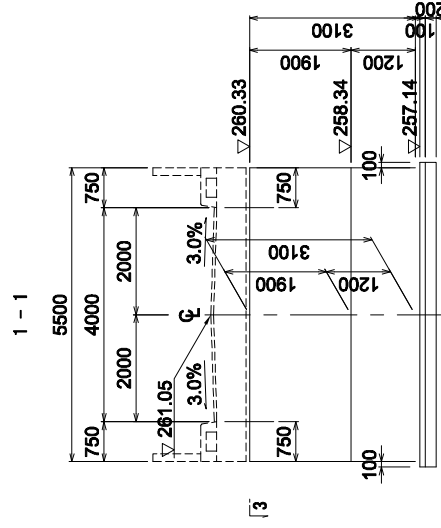
THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Zarthurlor Village Tract Route Pamunchang (down stream)	SHEET CONTENTS GENERAL VIEW OF PA(D)-BR1	SCALE	As Shown
		DATE	DEC 2018			PAGE NO.	78 / 109

# GENERAL ARRANGEMENT OF ABUTMENT (PA(D)-BR1)

## ABUTMENT



## PIER

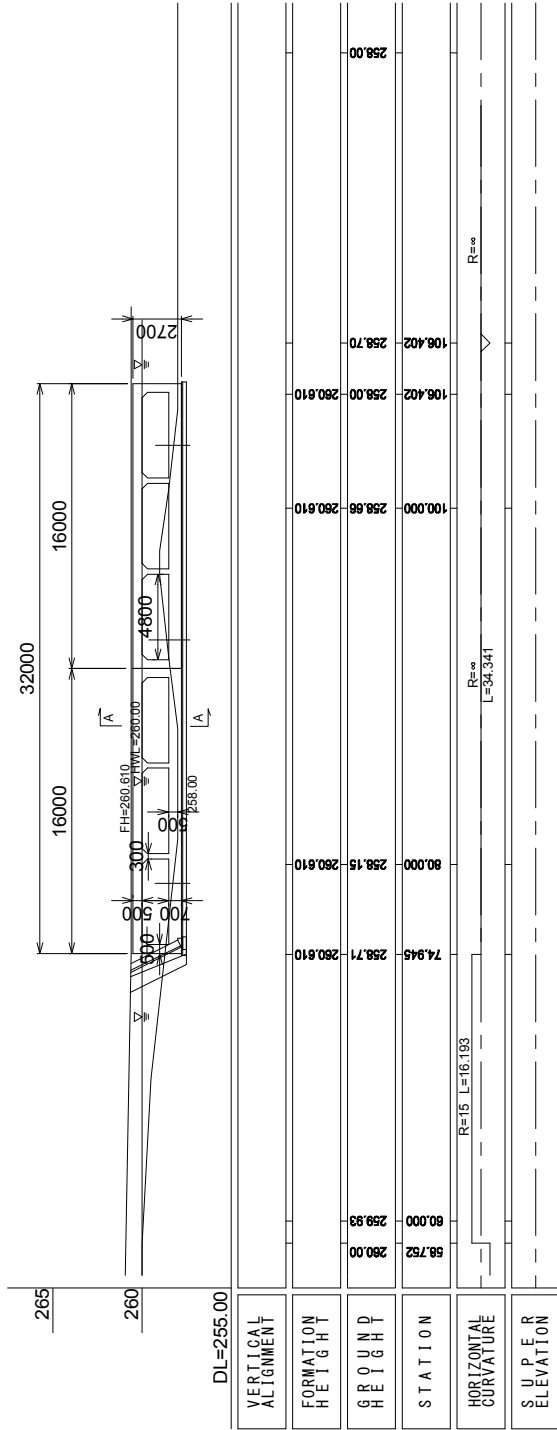


A8-81

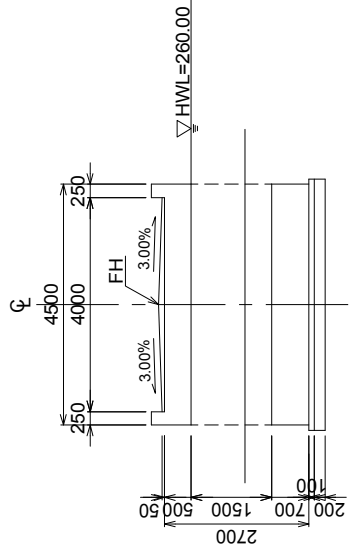
 THE REPUBLIC OF THE UNION OF MYANMAR	JAPAN INTERNATIONAL COOPERATION AGENCY  YACHIYO ENGINEERING CO., LTD.  NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Zarthurlor Village Tract	SHEET CONTENTS GENERAL ARRANGEMENT OF ABUTMENT (PA(D)-BR1)		SCALE	1:100
		CHIN STATE	Route Pamunchang(down stream)	DATE	DEC 2018	PAGE NO.	79 / 109	

# GENERAL VIEW OF PA (D)-BR2

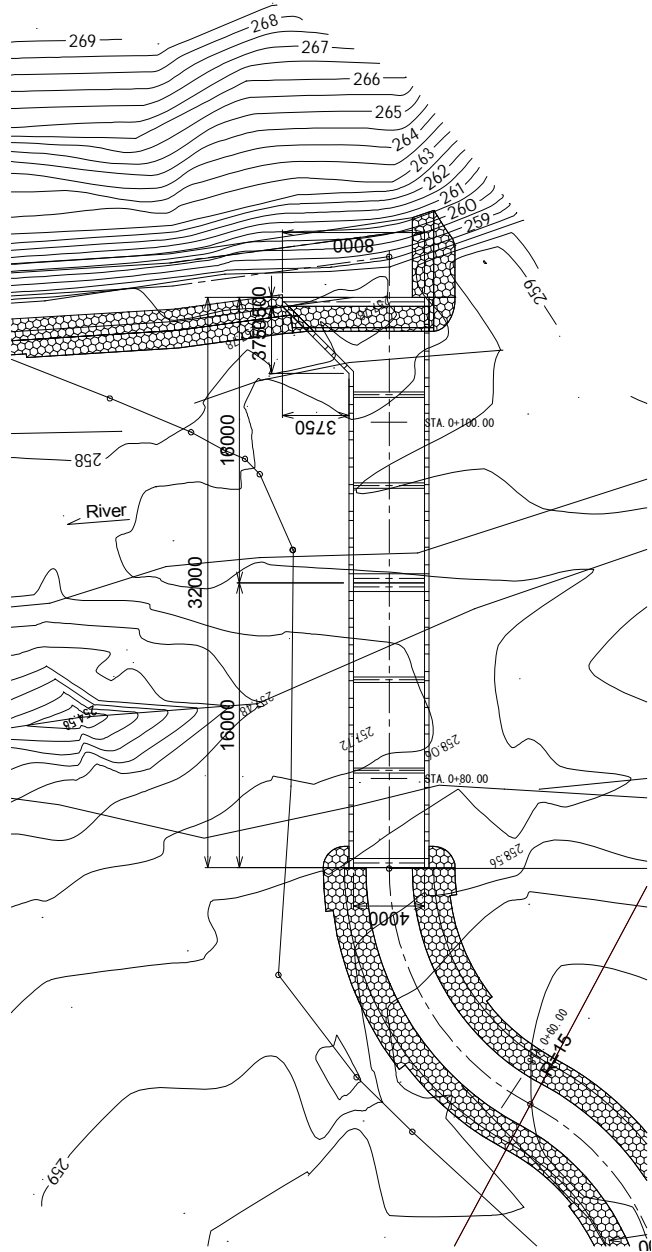
PROFILE S=1:300



# CROSS SECTION A-A



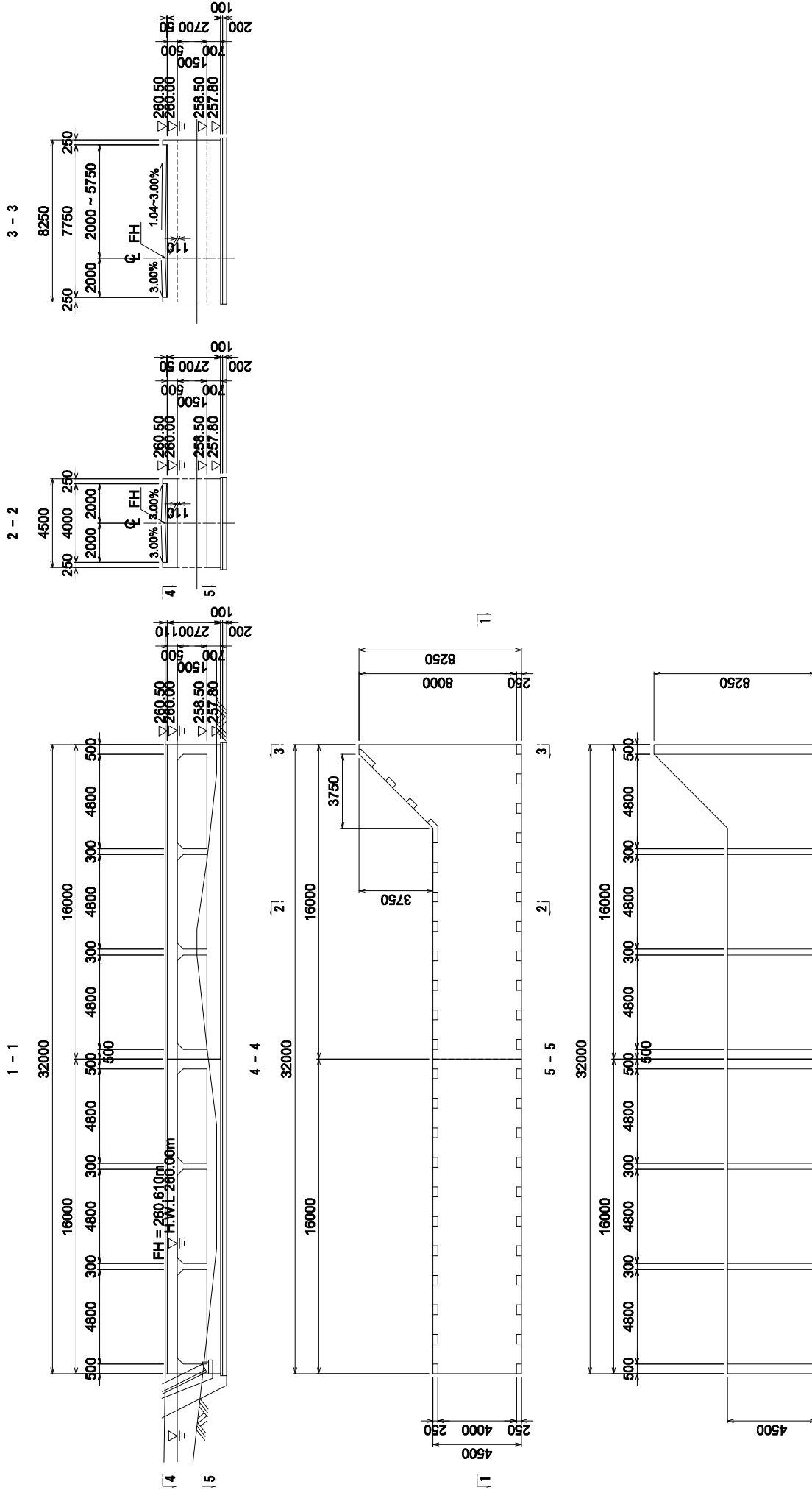
# PLAN VIEW S=1:300



A8-82

 THE REPUBLIC OF THE UNION OF MYANMAR CHIN STATE	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Zarthwior Village Tract Route Pamunchang (down stream)	SHEET CONTENTS	SCALE	As Shown
				GENERAL VIEW OF PA(D)-BR2	DATE	DEC 2018
					PAGE NO.	80 / 109

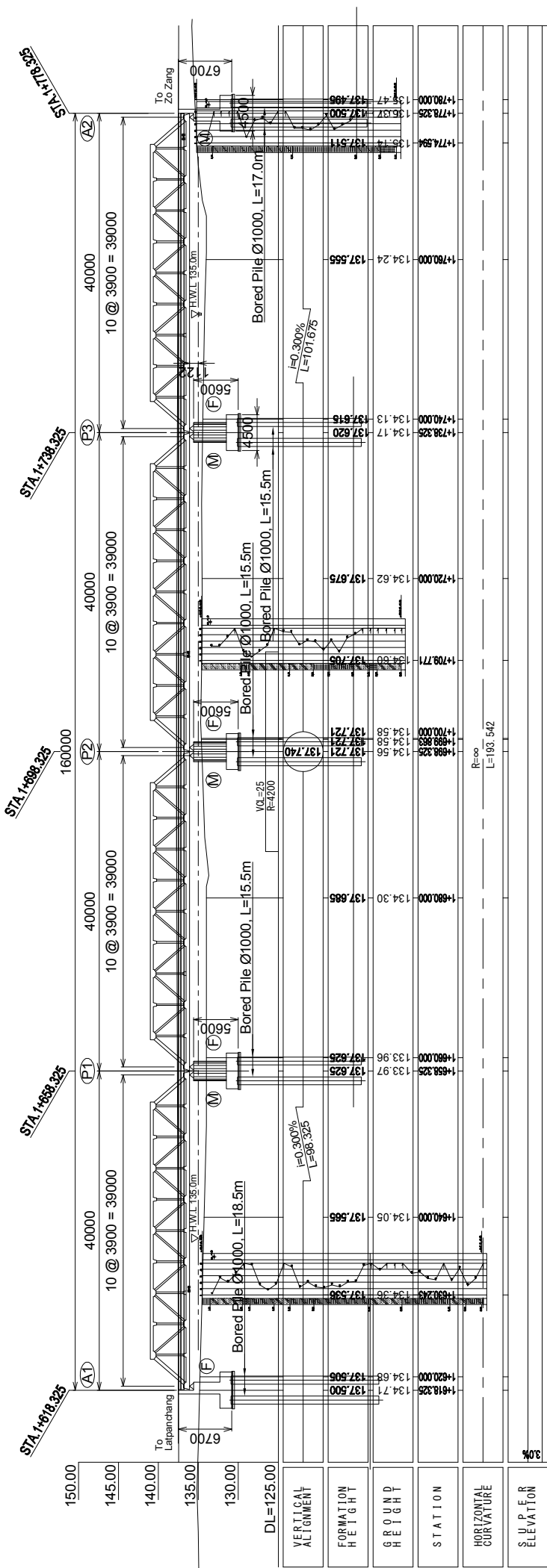
# GENERAL ARRANGEMENT OF ABUTMENT (PA(D)-BR2)



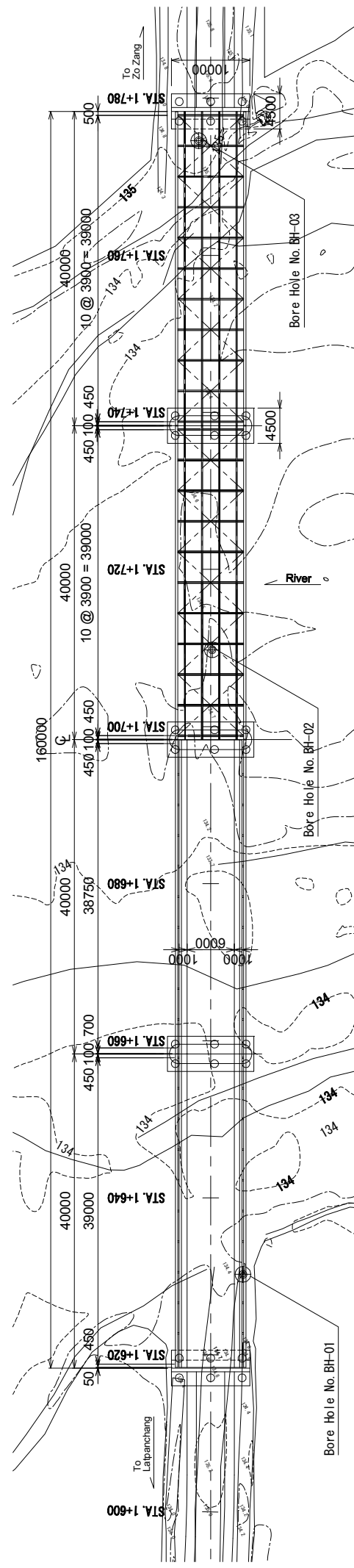
A8-83

 THE REPUBLIC OF THE UNION OF MYANMAR  CHIN STATE	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Zarthwlor Village Tract Route Pamunchang(down stream)	SHEET CONTENTS GENERAL ARRANGEMENT OF ABUTMENT (PA(D)-BR2)		SCALE 1:200
							DATE DEC 2018	PAGE NO. 81 / 109

# GENERAL VIEW OF ZZ-BR1 (1) PROFILE S=1:500



### PLAN VIEW S=1:500

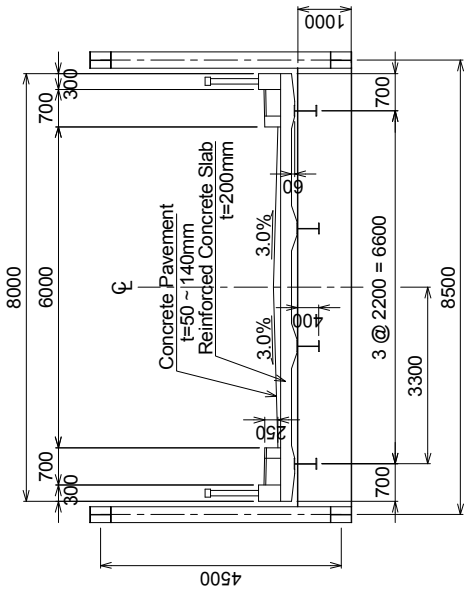


 THE REPUBLIC OF THE UNION OF MYANMAR  CHIN STATE	JAPAN INTERNATIONAL COOPERATION AGENCY 	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Dolluang Village Tract  Route Zo Zang	SHEET CONTENTS GENERAL VIEW OF ZZ-BR1 (1)	SCALE As Shown	DATE DEC 2018	PAGE NO. 82 / 109
	YACHIYO ENGINEERING CO., LTD. 	NIPPON KOEI CO., LTD. 					

# GENERAL VIEW OF ZZ-BR1 (2)

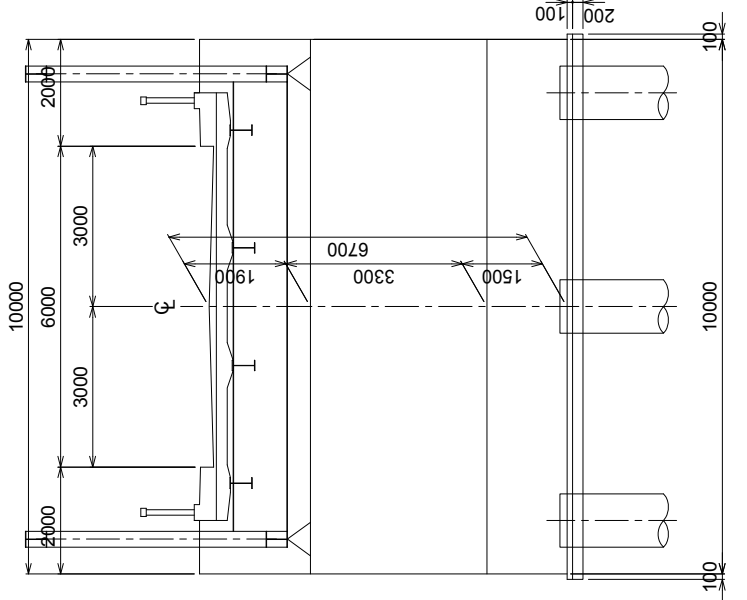
CROSS SECTION S=1:100

## SUPERSTRUCTURE

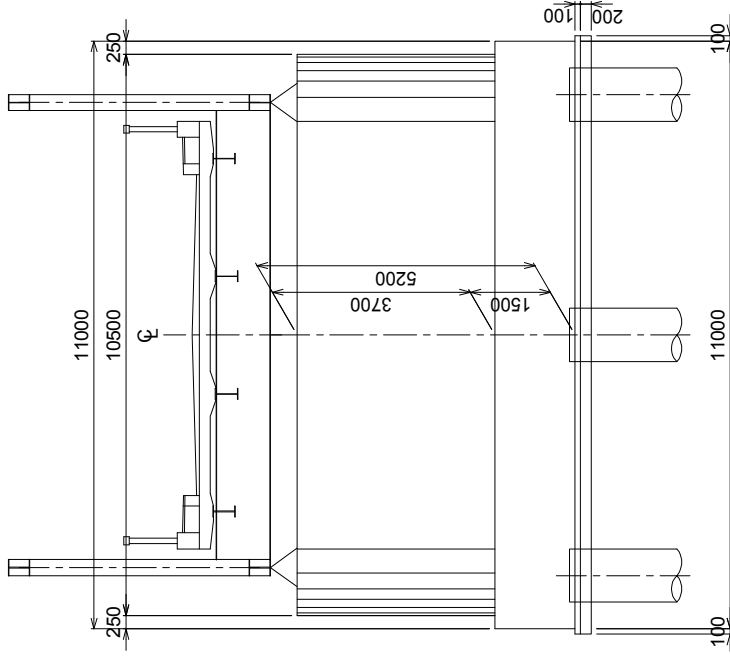


## SUBSTRUCTURE

### ABUTMENT

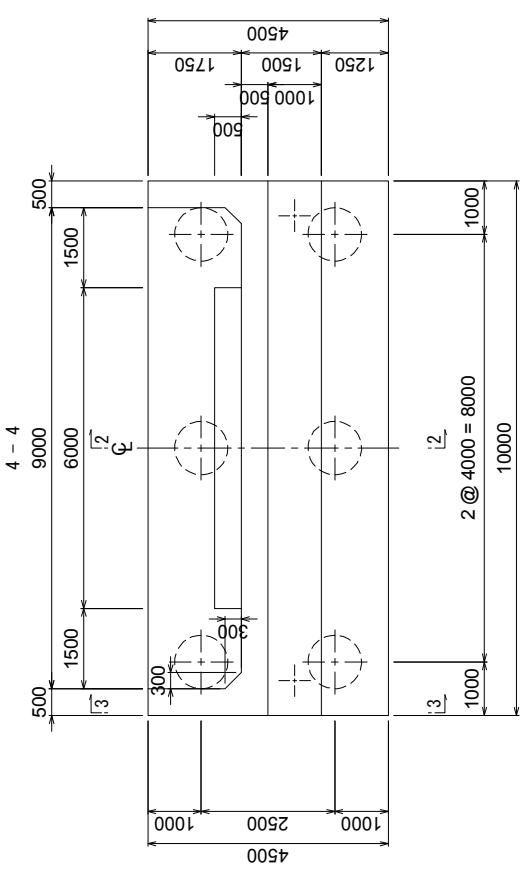
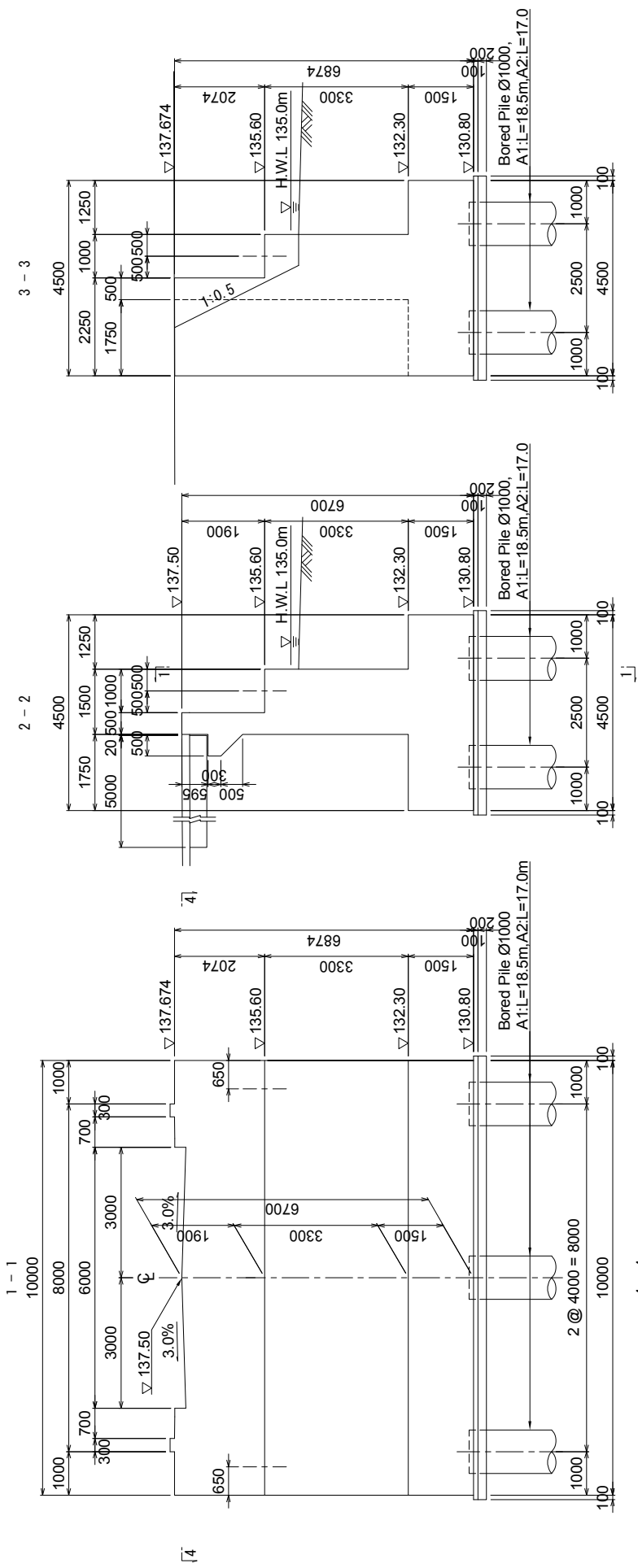


### PIER

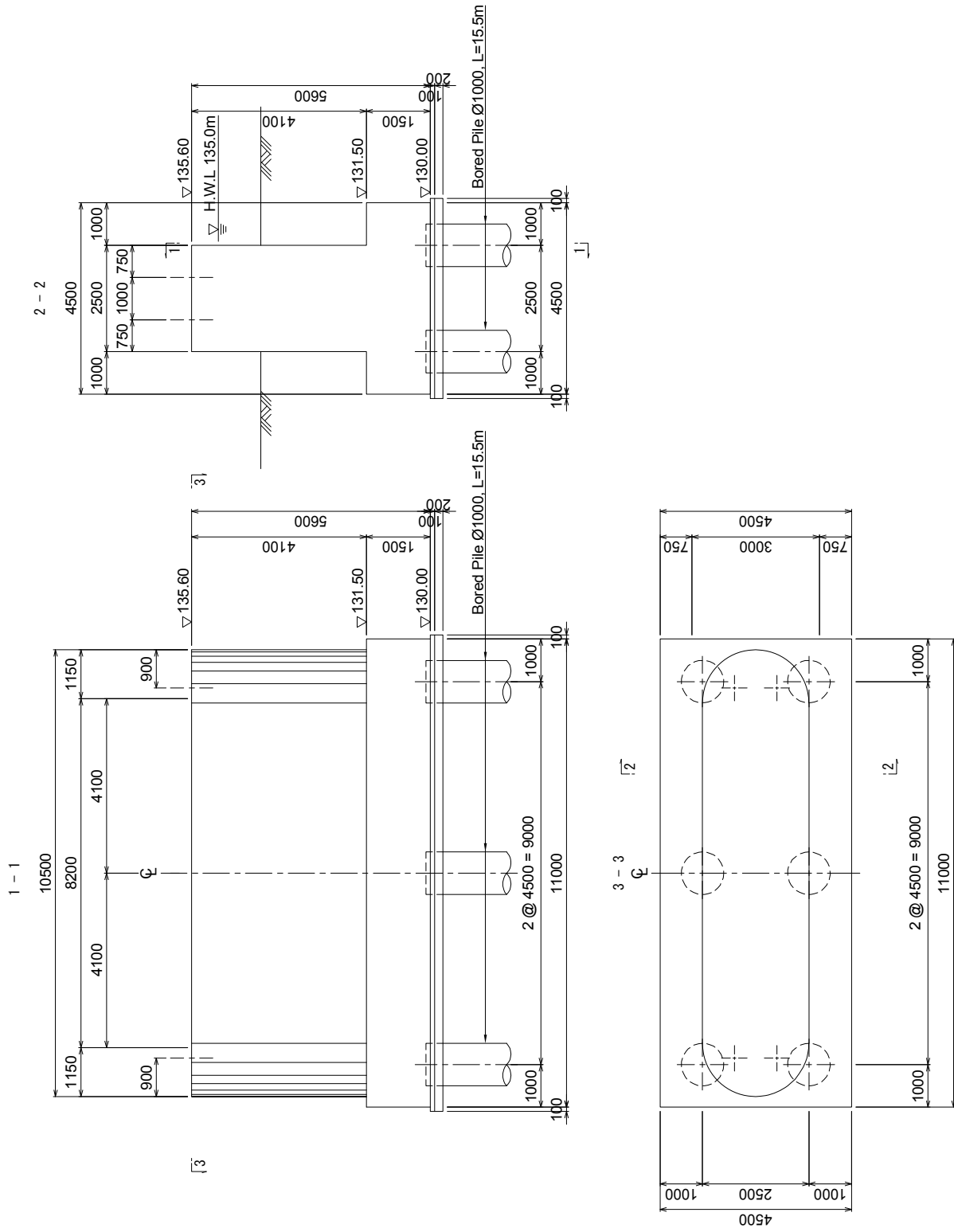


 THE REPUBLIC OF THE UNION OF MYANMAR  CHIN STATE	JAPAN INTERNATIONAL COOPERATION AGENCY  YACHIYO ENGINEERING CO., LTD.  NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Dollyuang Village Tract  Route Zo Zang	SHEET CONTENTS GENERAL VIEW OF ZZ-BR1(2)	SCALE DATE PAGE NO.	As Shown DEC 2018 83 / 109

# GENERAL ARRANGEMENT OF ABUTMENT



# GENERAL ARRANGEMENT OF PIER

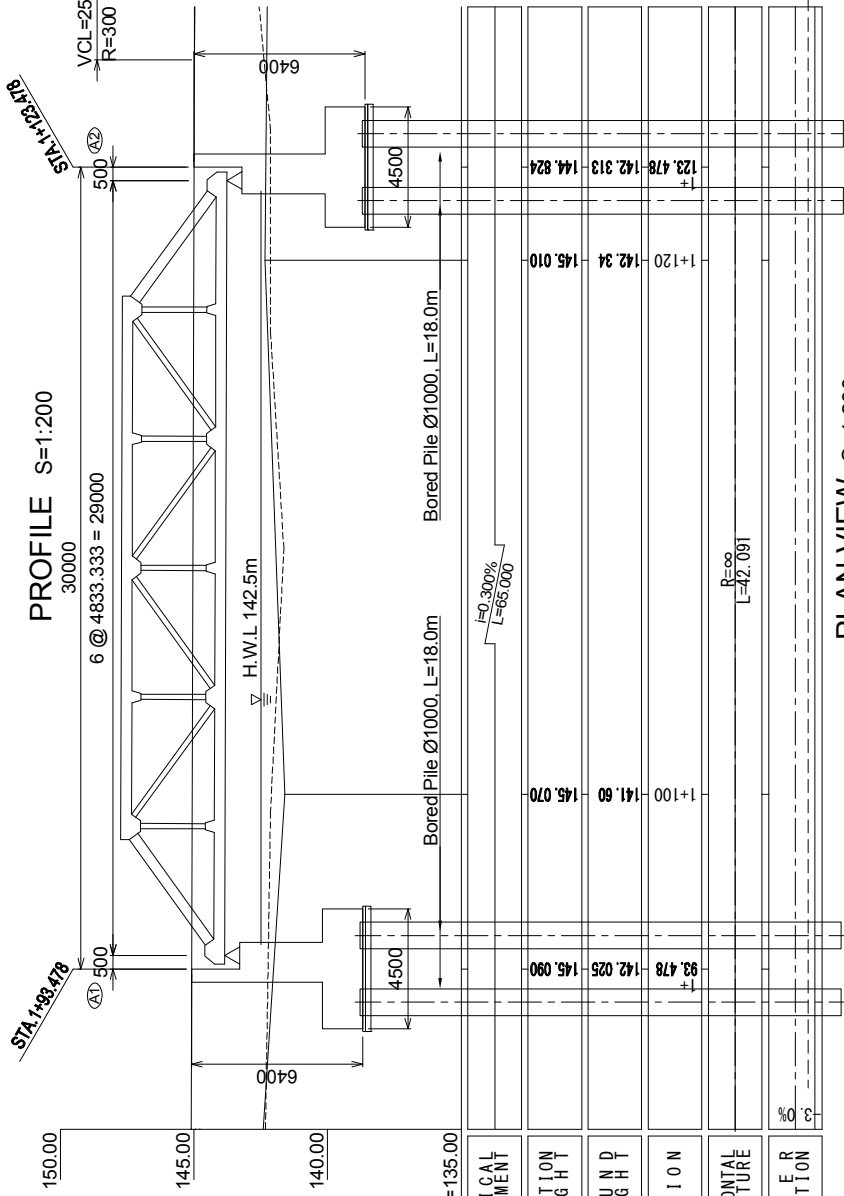


 THE REPUBLIC OF THE UNION OF MYANMAR CHIN STATE	JAPAN INTERNATIONAL COOPERATION AGENCY  YACHIYO ENGINEERING CO., LTD.  NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Dolluang Village Tract Route Zo Zang	SHEET CONTENTS	
				GENERAL ARRANGEMENT OF PIER	
				SCALE	1:100
				DATE	DEC 2018
				PAGE NO.	85 / 109

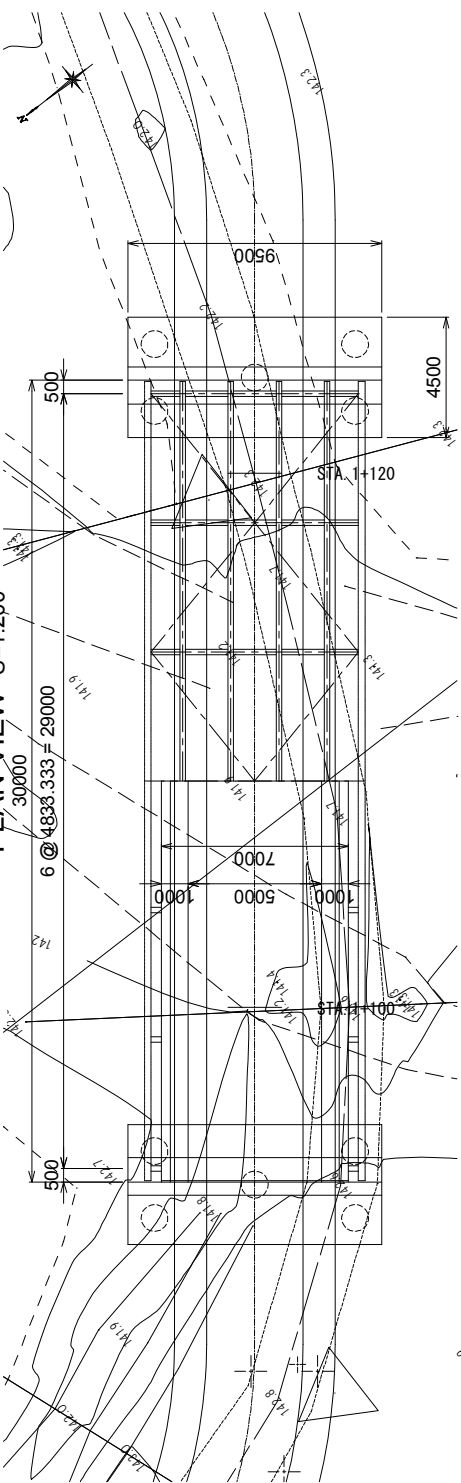


# GENERAL VIEW OF TZ-BR1

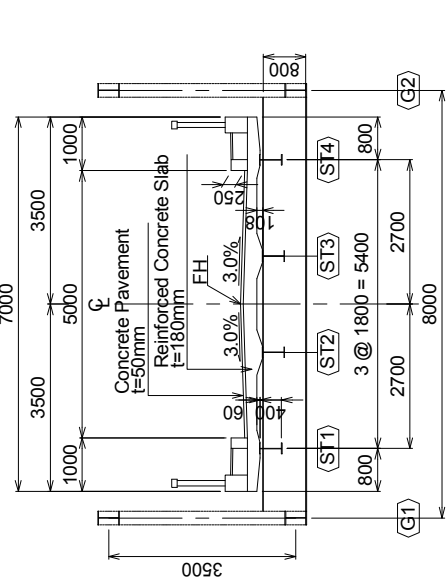
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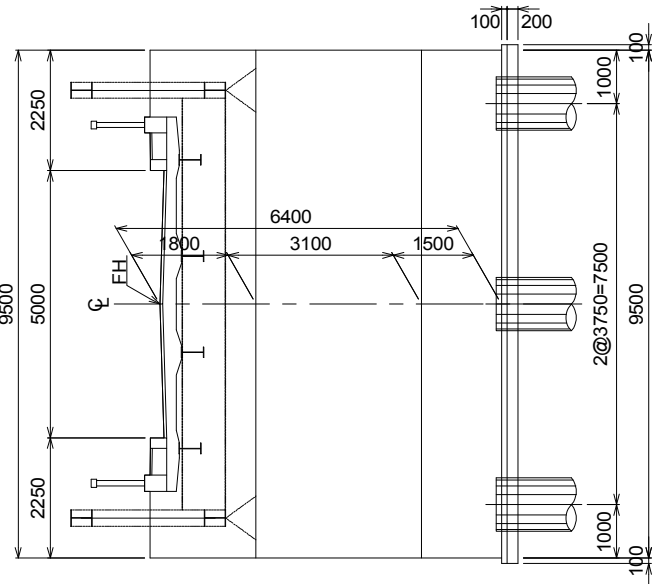
PLAN VIEW S=1:200



CROSS SECTION S=1:100  
SUPERSTRUCTURE

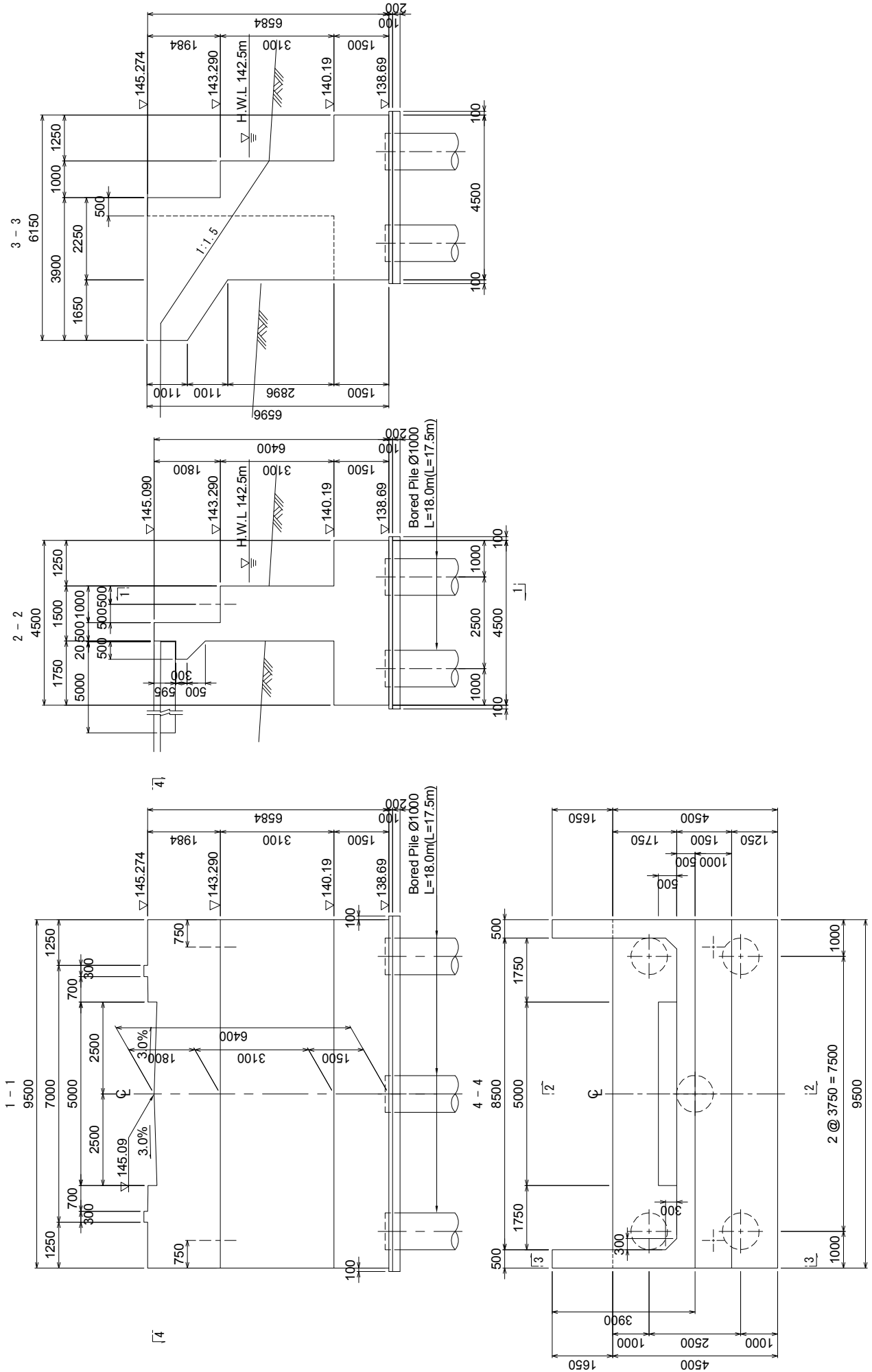


ABUTMENT



<p>THE REPUBLIC OF THE UNION OF MYANMAR</p>	<p>CHIN STATE</p>	<p>THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS</p>		<p>Dolluang Village Tract</p>	<p>GENERAL VIEW OF TZ-BR1</p>	SCALE	As Shown
		<p>JAPAN INTERNATIONAL COOPERATION AGENCY YACHIOY ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.</p>	DATE			DEC 2018	
				Route Tan Zang		PAGE NO.	86 / 109

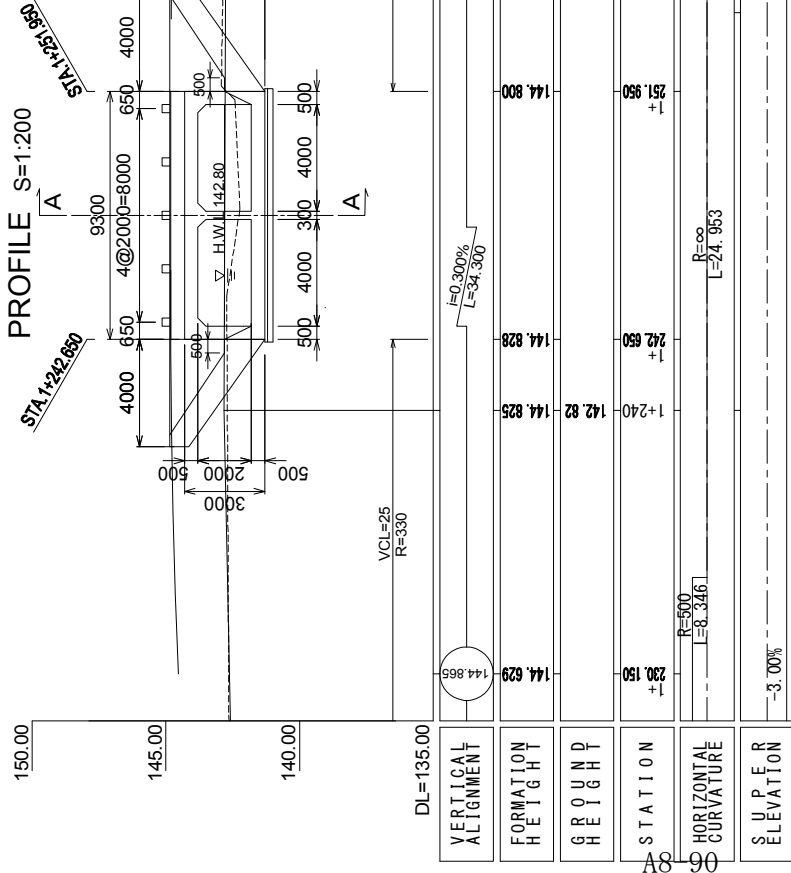
# GENERAL ARRANGEMENT OF ABUTMENT (TZ-BR1)



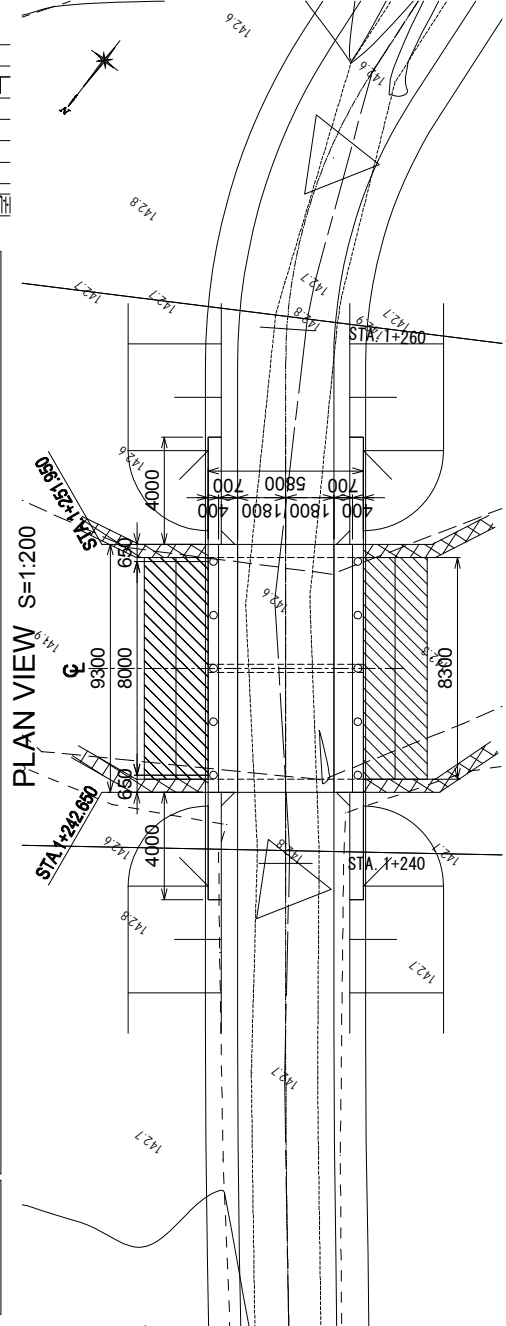
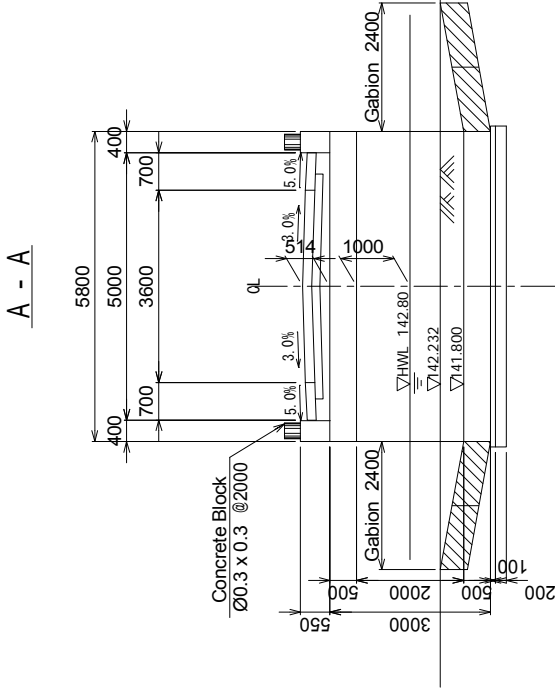
A8-89

	THE REPUBLIC OF THE UNION OF MYANMAR		JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Dollyang Village Tract  Route Tan Zang	SHEET CONTENTS GENERAL ARRANGEMENT OF ABUTMENT (TZ-BR1)	SCALE 1:100
	CHIN STATE	DATE DEC 2018	PAGE NO. 87 / 109				

# GENERAL VIEW OF TZ-BR2



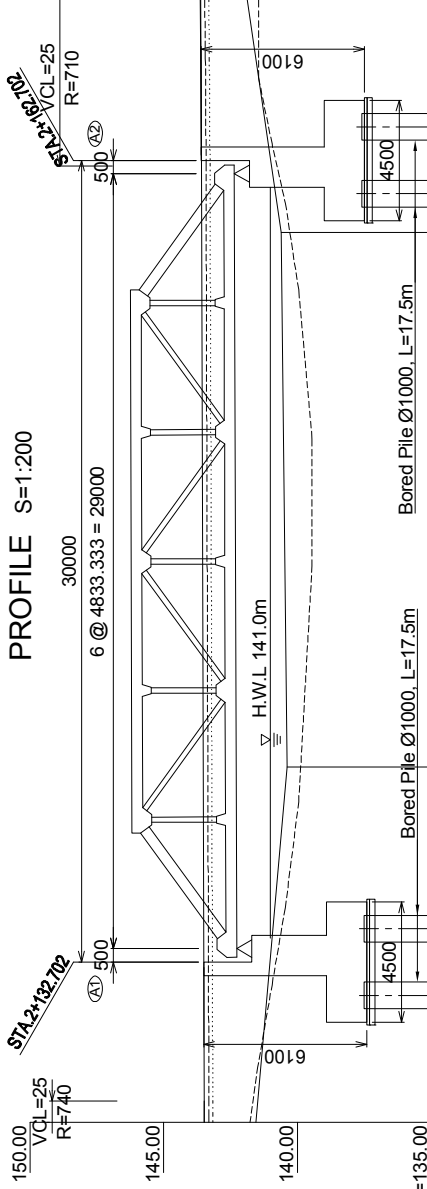
CROSS SECTION S=1:100



THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract Route Tan Zang	SHEET CONTENTS GENERAL VIEW OF TZ-BR2	SCALE	As Shown
			DATE	DEC 2018			PAGE NO.	88 / 109

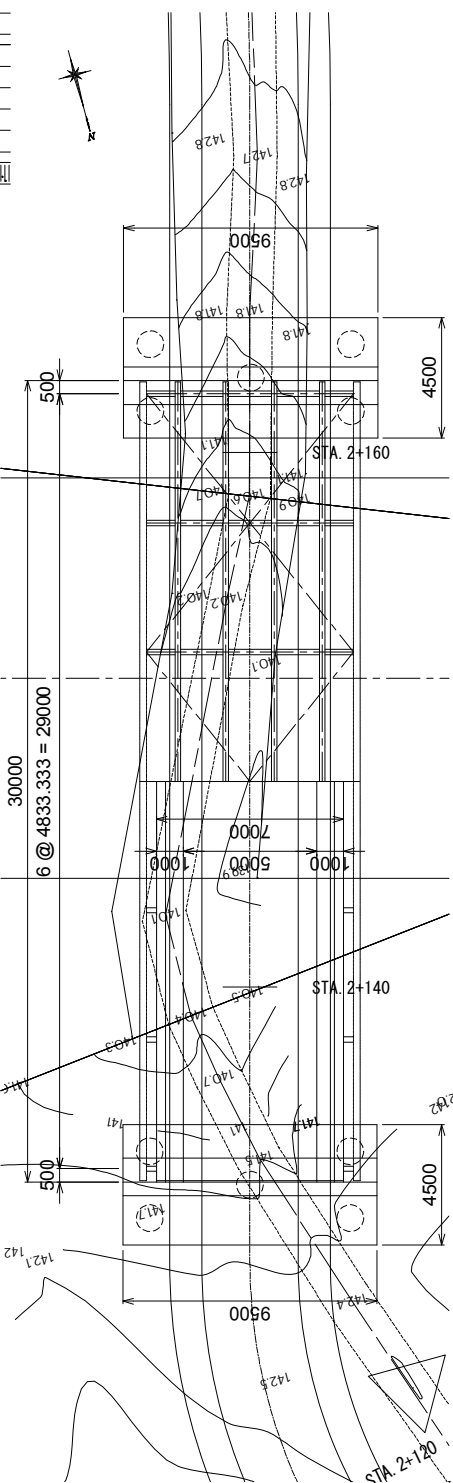
# GENERAL VIEW OF TZ-BR3

PROFILE S=1:200

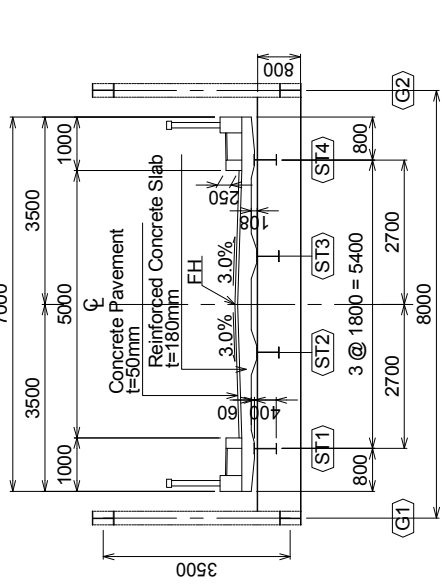


VERTICAL ALIGNMENT	FORMATION HEIGHT	GROUND HEIGHT	STATION	HORIZONTAL CURVATURE	SUPER ELEVATION
DL=135.00					
	143.500	141.02	2+120	R=20 L=19.001	3.10%
	143.593	141.00	2+121	R=∞ L=48.326	
	143.582	140.61	2+122		
	143.522	140.38	2+123		

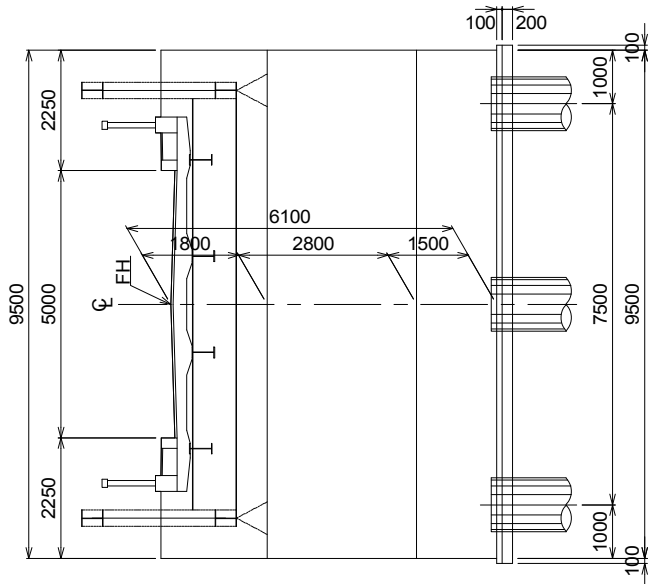
PLAN VIEW S=1:200



CROSS SECTION S=1:100  
SUPERSTRUCTURE



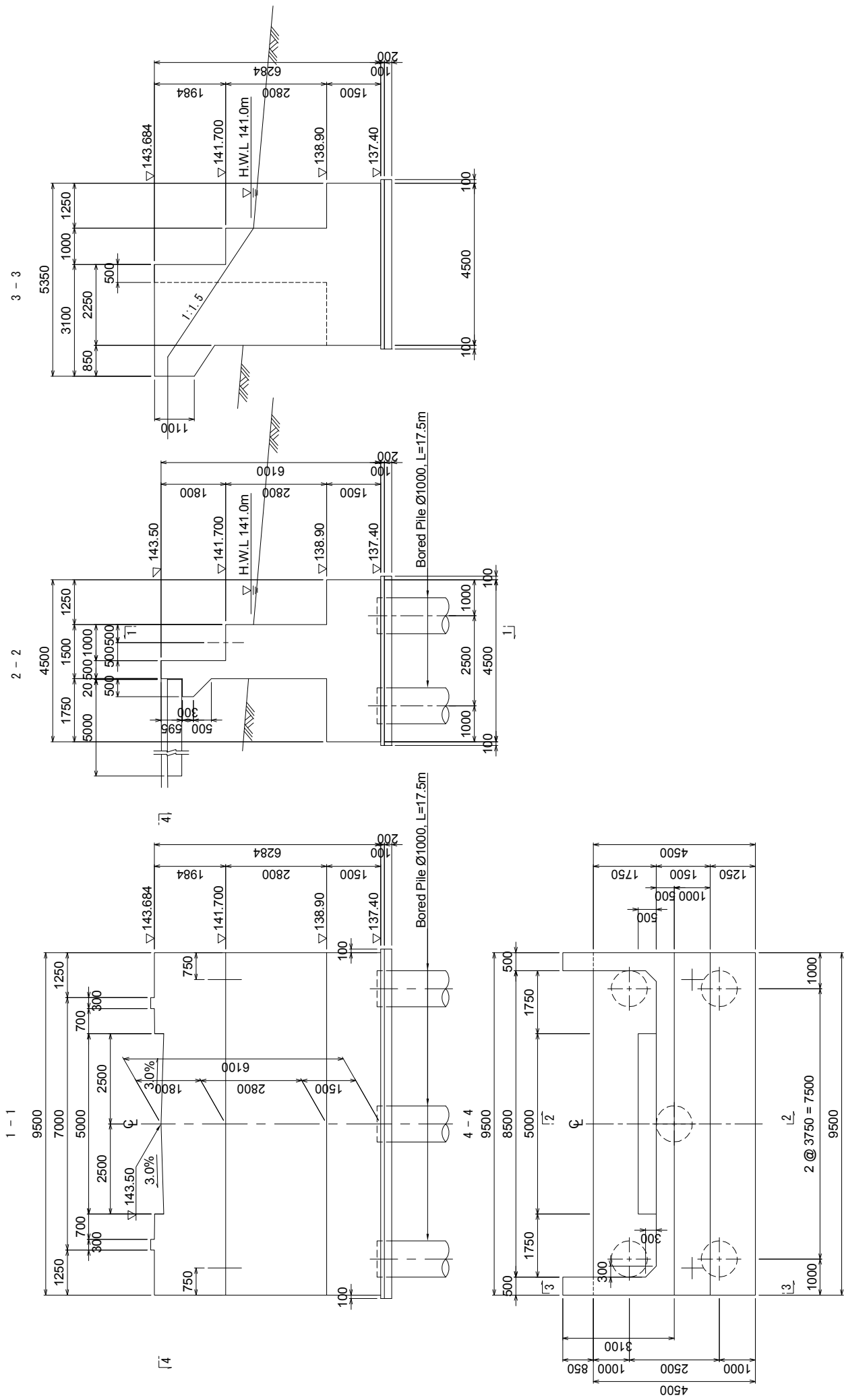
ABUTMENT



A8-91

 THE REPUBLIC OF THE UNION OF MYANMAR CHIN STATE	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dollyang Village Tract Route Tan Zang	SHEET CONTENTS GENERAL VIEW OF TZ-BR3	SCALE	As Shown
	DATE	DEC 2018			PAGE NO.	89 / 109

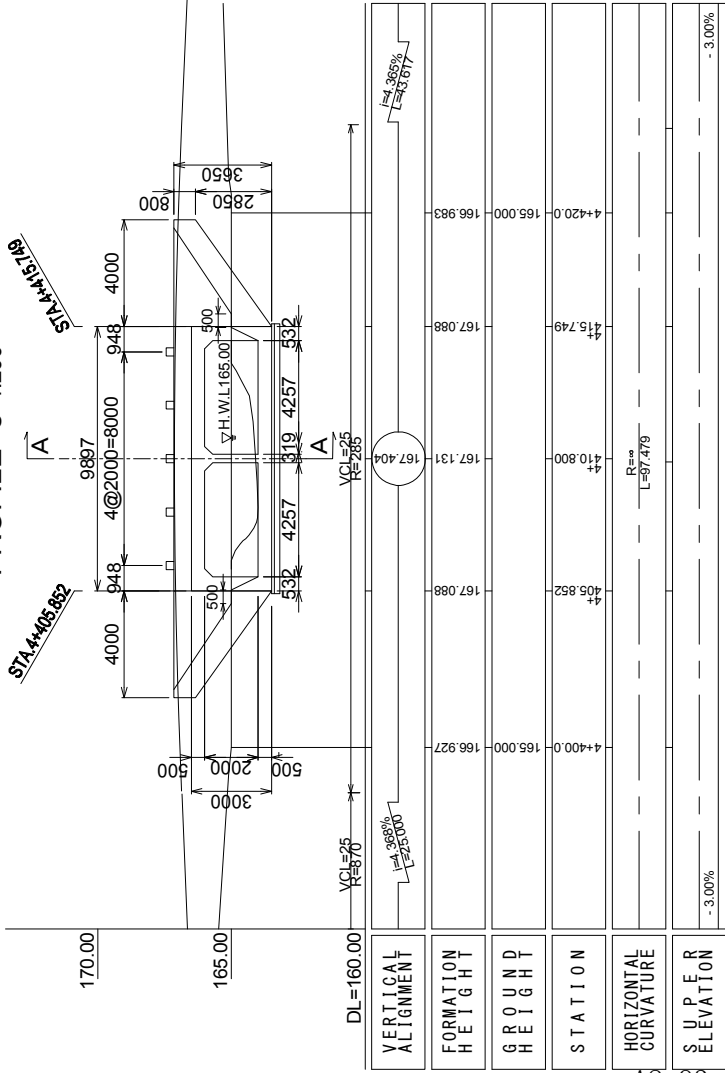
# GENERAL ARRANGEMENT OF ABUTMENT (TZ-BR3)



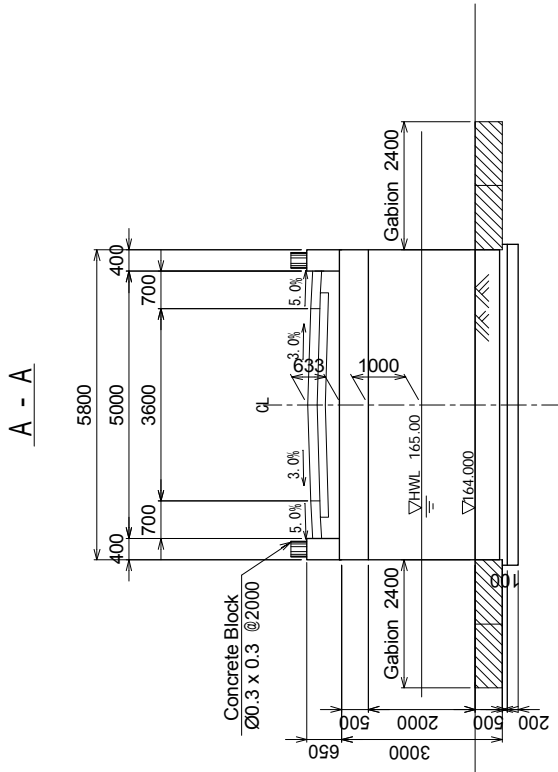
 THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dollyang Village Tract Route Tan Zang		SHEET CONTENTS GENERAL ARRANGEMENT OF ABUTMENT (TZ-BR3)		SCALE	1:100
										DATE	DEC 2018
										PAGE NO.	90 / 109

# GENERAL VIEW OF ZN-BR1

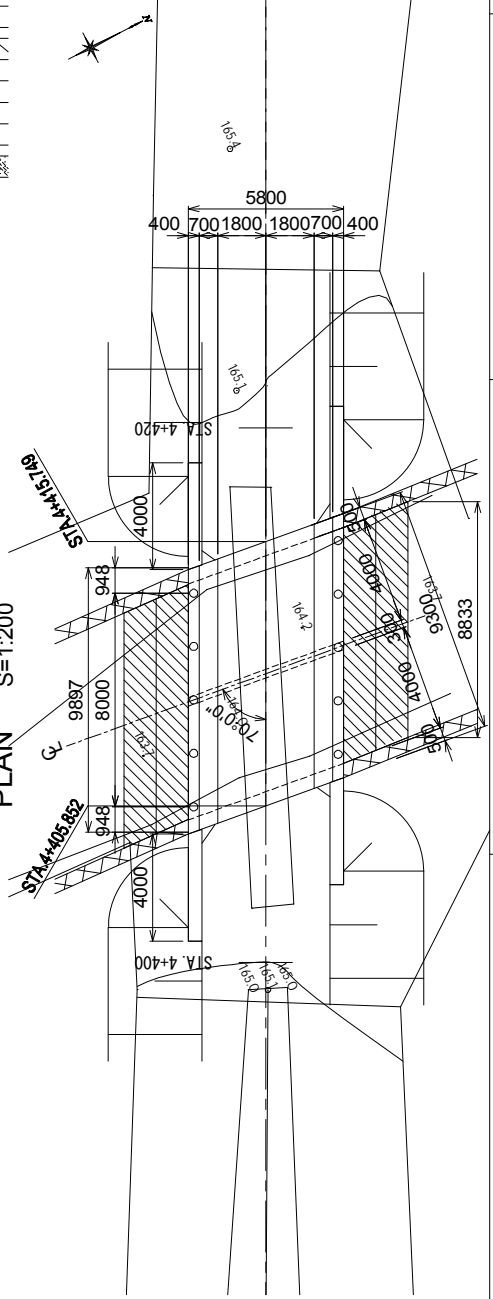
PROFILE S=1:200



CROSS SECTION S=1:100



PLAN S=1:200



THE REPUBLIC OF THE UNION OF MYANMAR

CHIN STATE

JAPAN INTERNATIONAL COOPERATION AGENCY  
YACHIYO ENGINEERING CO., LTD.  
NIPPON KOEI CO., LTD.

THE PROJECT FOR  
RURAL INFRASTRUCTURE DEVELOPMENT  
IN LOCAL AREAS

Dolluang Village Tract  
Route Zo Nuan Zang

SHEET CONTENTS  
GENERAL VIEW OF  
ZN-BR1

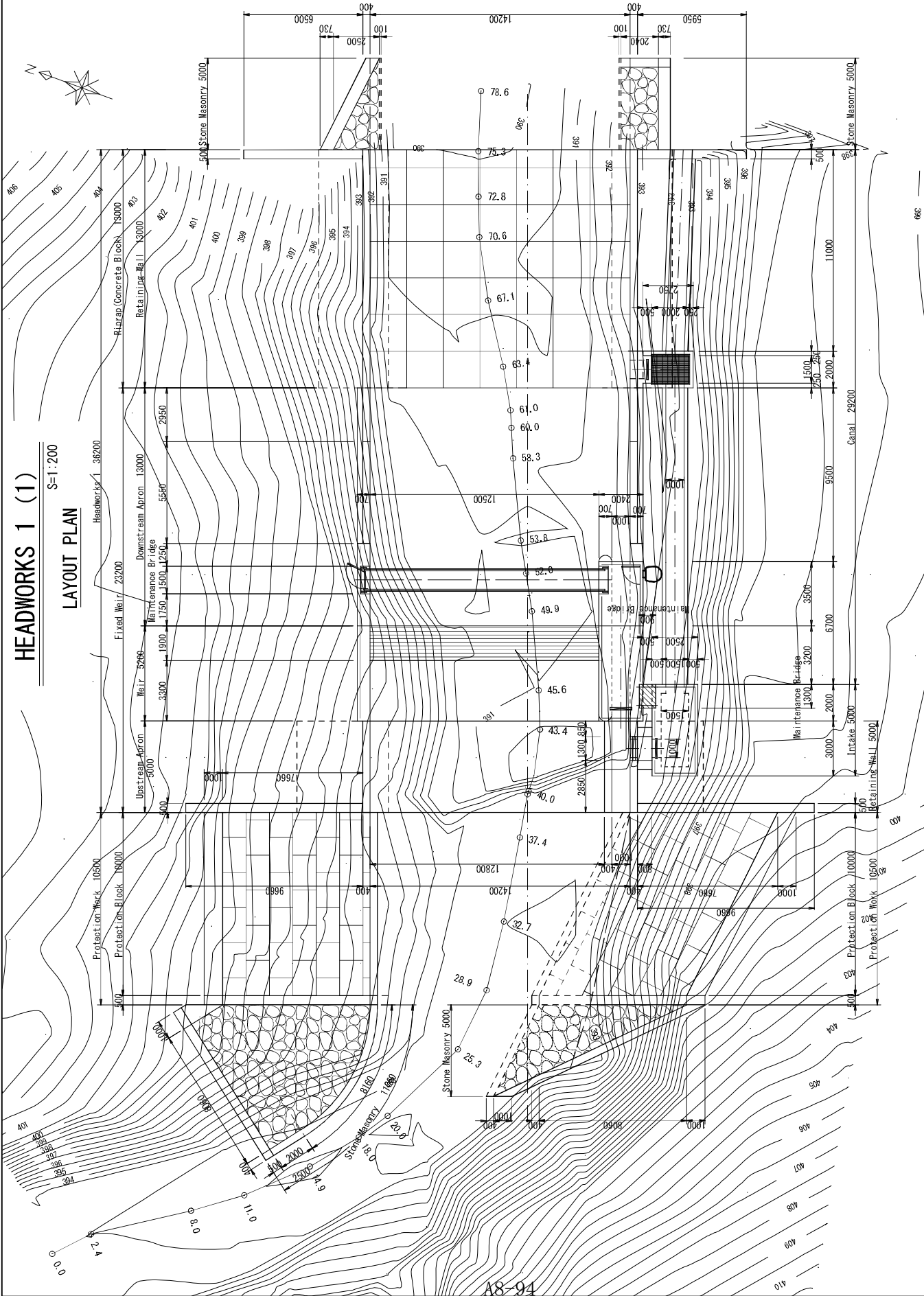
SCALE  
DATE  
PAGE NO.


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# HEADWORKS 1 (1) LAYOUT PLAN

S=1:200

Headworks 1 36200

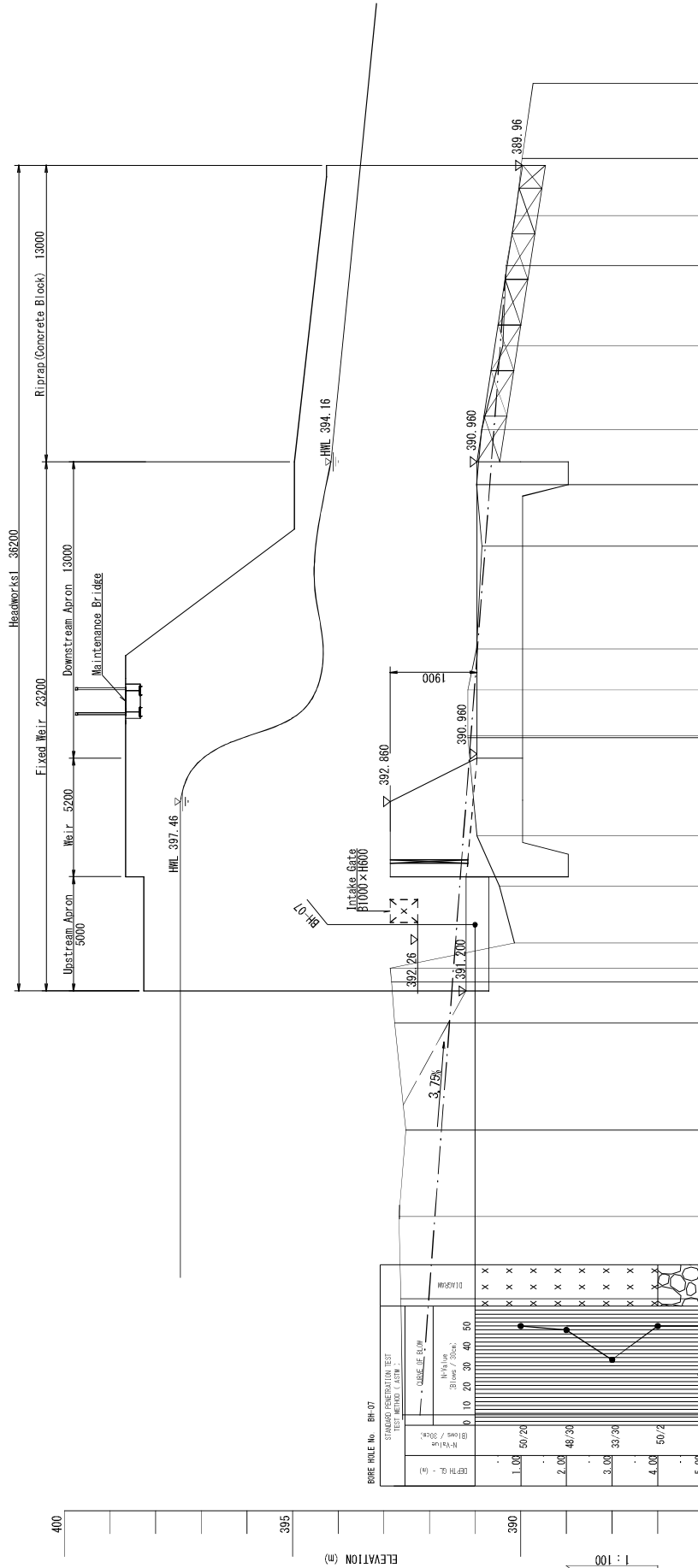


 THE REPUBLIC OF THE UNION OF MYANMAR CHIN STATE	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Pa Mun Chaung Village	SHEET CONTENTS HEADWORKS 1 (1) LAYOUT PLAN	SCALE	1/200
	HEADWORKS 1		DATE	DEC 2018	PAGE NO.		92 / 109	

# HEADWORKS 1 (2)

## LONGITUDINAL PLAN

H=1:200 V=1:100



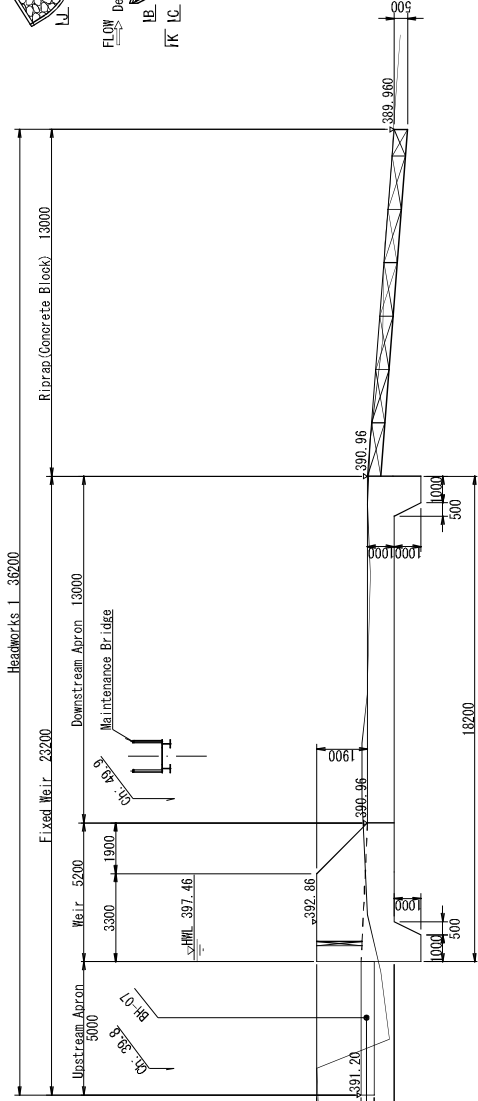
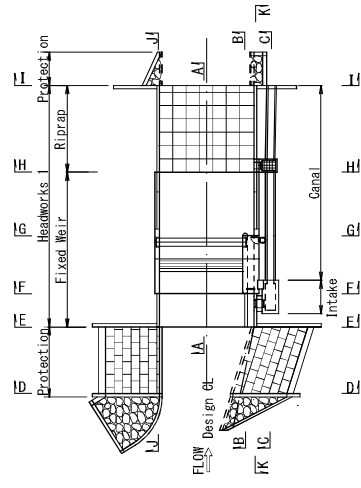
Station No	Design Level	Existing River Bed Elevation	Accumulated Distance	Distance
20.2	392.59	392.63	20.2	78.6
25.3	392.63	392.63	25.3	75.3
28.9	392.67	392.67	28.9	72.8
32.7	392.52	392.76	32.7	70.6
37.4	392.76	392.83	37.4	67.1
39.2	392.83	392.86	39.2	63.4
39.8	392.86	392.20	39.8	61.0
40.9	392.20	392.20	40.9	58.3
43.4	392.20	392.47	43.4	53.8
45.6	392.86	390.96	45.6	52.0
49.9	390.96	391.16	49.9	50.0
50.0	390.96	391.16	50.0	49.9
53.8	390.96	390.96	53.8	45.6
58.3	390.96	390.96	58.3	43.4
61.0	390.96	390.96	61.0	40.9
63.4	390.86	390.86	63.4	39.8
67.1	390.57	390.39	67.1	37.4
70.6	390.32	390.32	70.6	36.0
72.8	390.12	390.12	72.8	34.8
75.3	389.97	389.97	75.3	33.6
78.6	389.73	389.73	78.6	32.4

THE REPUBLIC OF THE UNION OF MYANMAR	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Pa Mun Chaung Village HEADWORKS 1	SHEET CONTENTS HEADWORKS 1 (2) LONGITUDINAL PLAN	SCALE H:1/200 V:1/100
	CHIN STATE						DATE DEC 2018

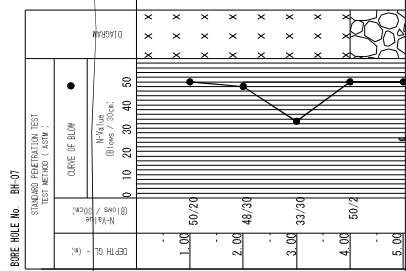


# HEADWORKS 1 (3)

## LONGITUDINAL PLAN OF FIXED WEIR SECTION A-A

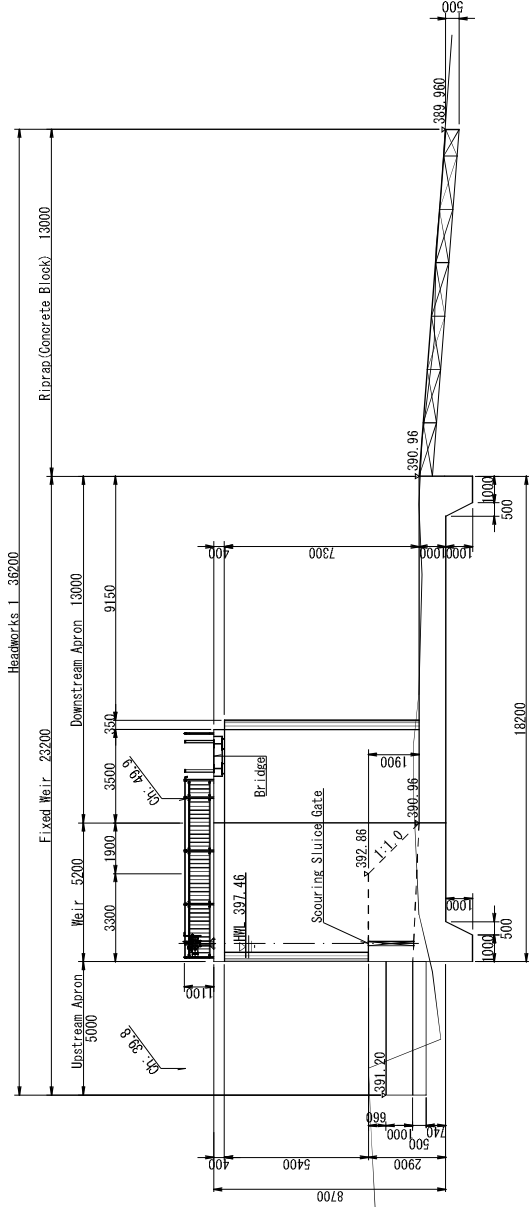


Flow ↑



Datum : 386.0

## LONGITUDINAL PLAN OF SAND FLASH SECTION B-B



Flow ↑

Datum : 386.0



THE REPUBLIC OF THE UNION OF MYANMAR



JAPAN INTERNATIONAL COOPERATION AGENCY  
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THE PROJECT FOR  
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Pa Lun Chaung Village

HEADWORKS 1

SHEET CONTENTS

HEADWORKS 1 (3)  
LONGITUDINAL PLAN OF FIXED WEIR  
LONGITUDINAL PLAN OF SAND FLASH

SCALE

1/200

DATE

DEC 2018

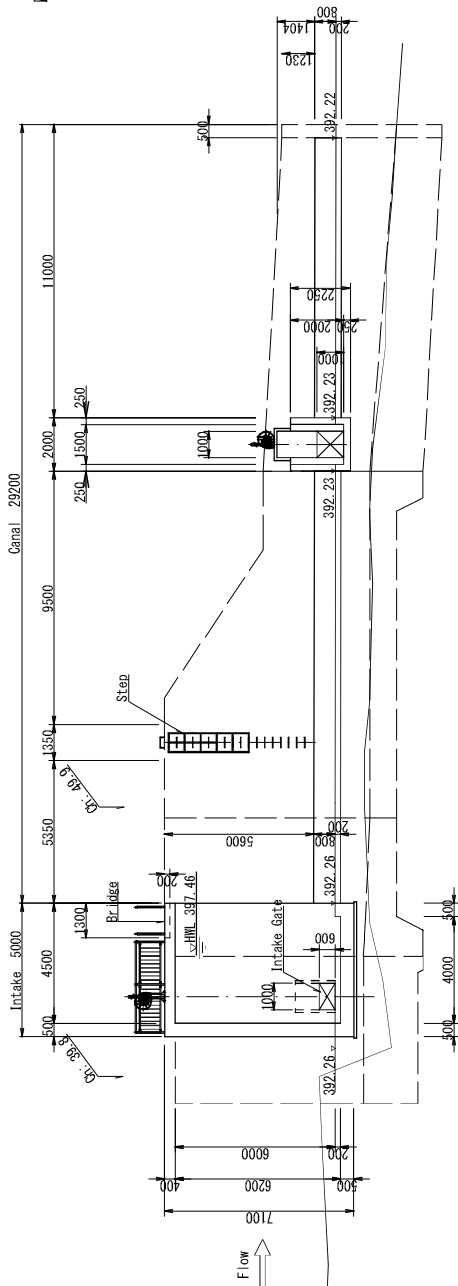
PAGE NO.

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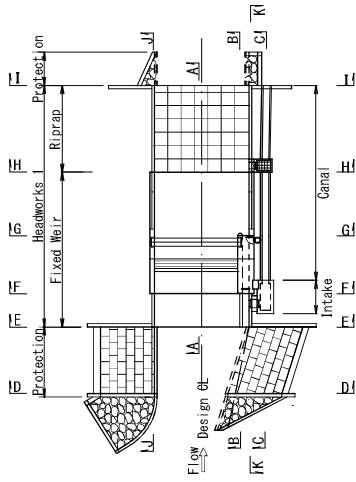
# HEADWORKS 1 (4)


S=1:200

## LONGITUDINAL PLAN OF INTAKE AND CANAL SECTION C-C



# LAYOUT PLAN

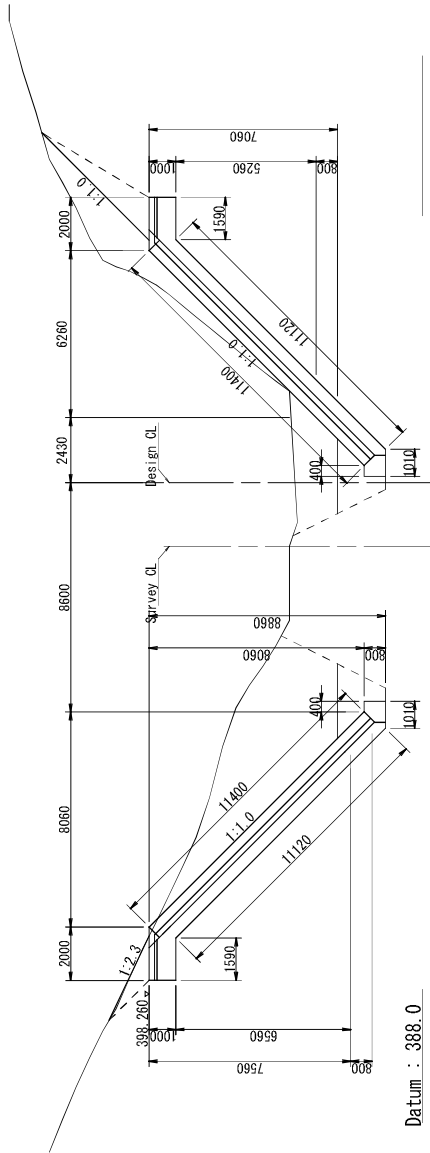


 THE REPUBLIC OF THE UNION OF MYANMAR  CHIN STATE	JAPAN INTERNATIONAL COOPERATION AGENCY YACHTYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Pa Mun Chaung Village  HEADWORKS 1	SHEET CONTENTS HEADWORKS 1 (4) LONGITUDINAL PLAN OF INTAKE AND CANAL	SCALE 1/200 DATE DEC 2018 PAGE NO. 95 / 109

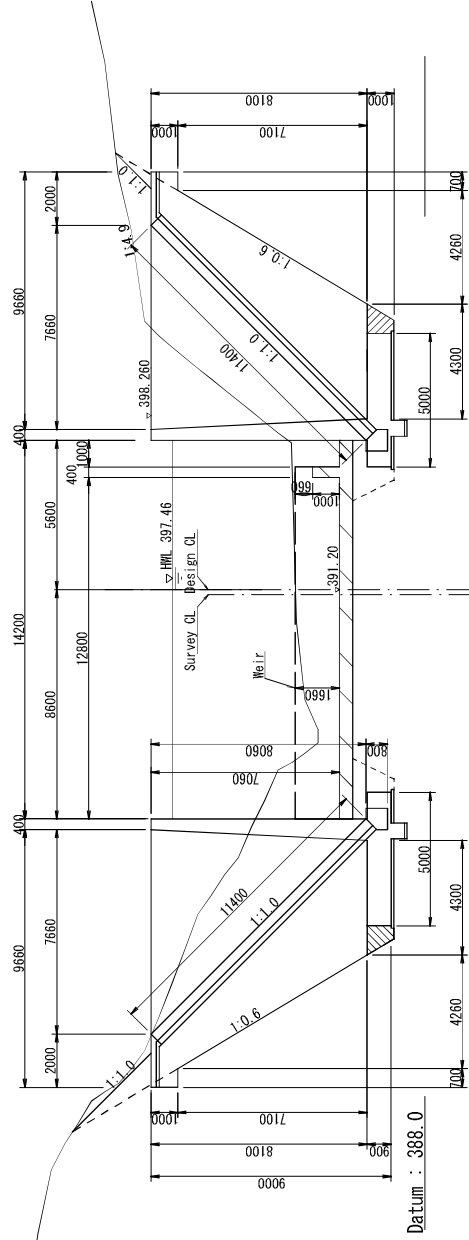
# HEADWORKS 1 (5)

S=1:200

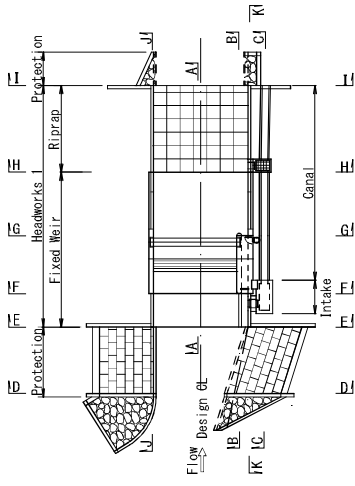
## SECTION D-D







## SECTION E-E



## LAYOUT PLAN



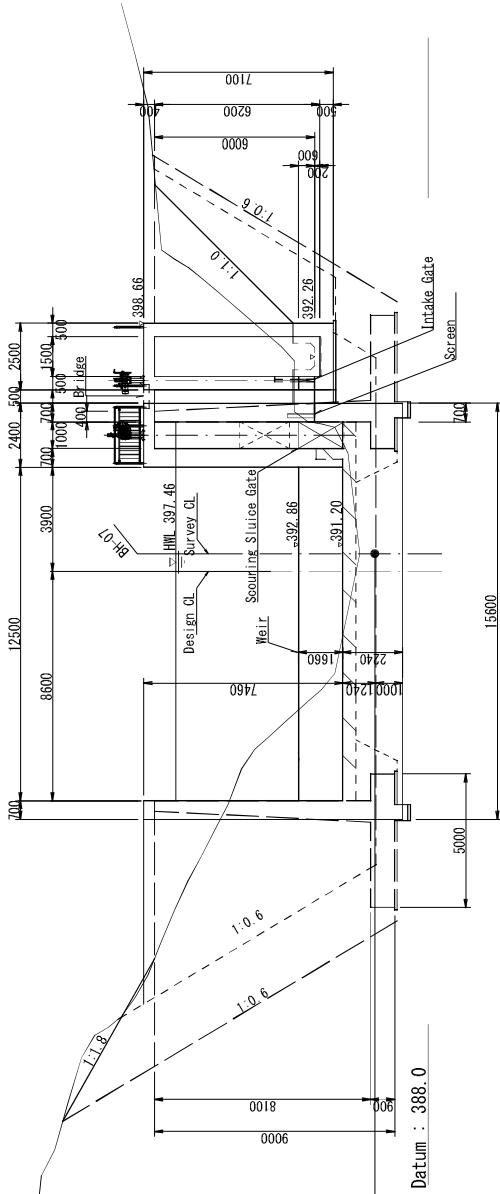
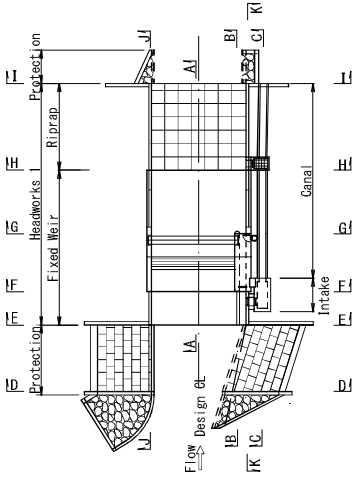
 THE REPUBLIC OF THE UNION OF MYANMAR CHIN STATE	 JAPAN INTERNATIONAL COOPERATION AGENCY  YACHIYO ENGINEERING CO., LTD.  NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Pa Mun Chaung Village HEADWORKS 1	SHEET CONTENTS HEADWORKS 1 (5) CROSS SECTION 1		SCALE 1/200
		DATE DEC 2018		PAGE NO. 96 / 109			

# HEADWORKS 1 (6)

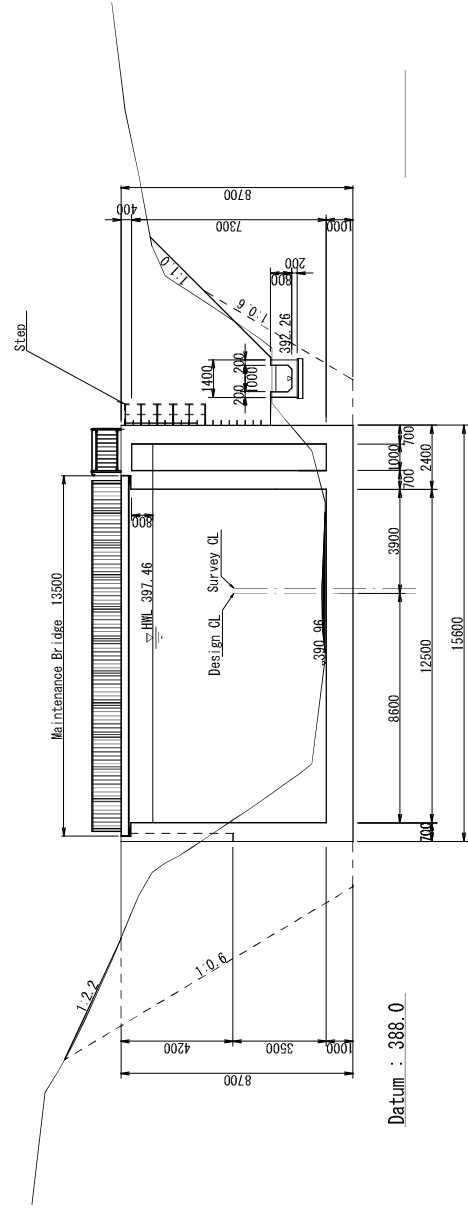
S=1:200

## SECTION F-F

# LAYOUT PLAN



## SECTION G-G



BORE HOLE No. BH-07		STANDARD PENETRATION TEST		TEST METHOD (ASIM)	
DEPTH (m)	SPT	CORRECTION		CORRECTED SPT	CLASSIFICATION
		Raw	Corrected		
0.00	50/20	50	50	50	CLAY
2.00	48/20	48	48	48	CLAY
3.00	33/20	33	33	33	CLAY
4.00	50/2	50	50	50	CLAY
5.00	50/20	50	50	50	CLAY

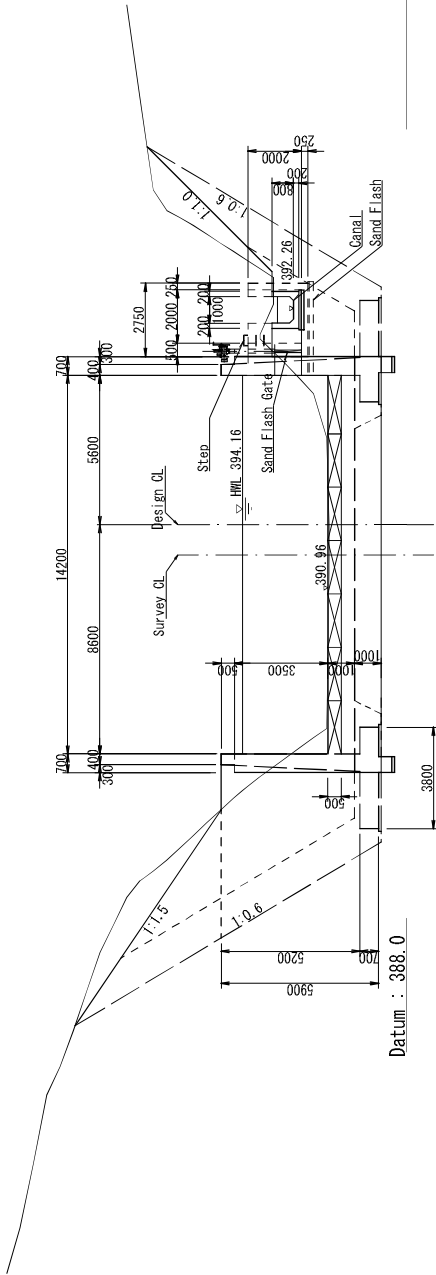
A8-99

THE REPUBLIC OF THE UNION OF MYANMAR  CHIN STATE	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Pa Mun Chaung Village	SCALE	1/200
	HEADWORKS 1 CROSS SECTION 2		HEADWORKS 1	DATE	DEC 2018
JICA YACHYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		SHEET CONTENTS HEADWORKS 1 (6) CROSS SECTION 2		PAGE NO.	97 / 109

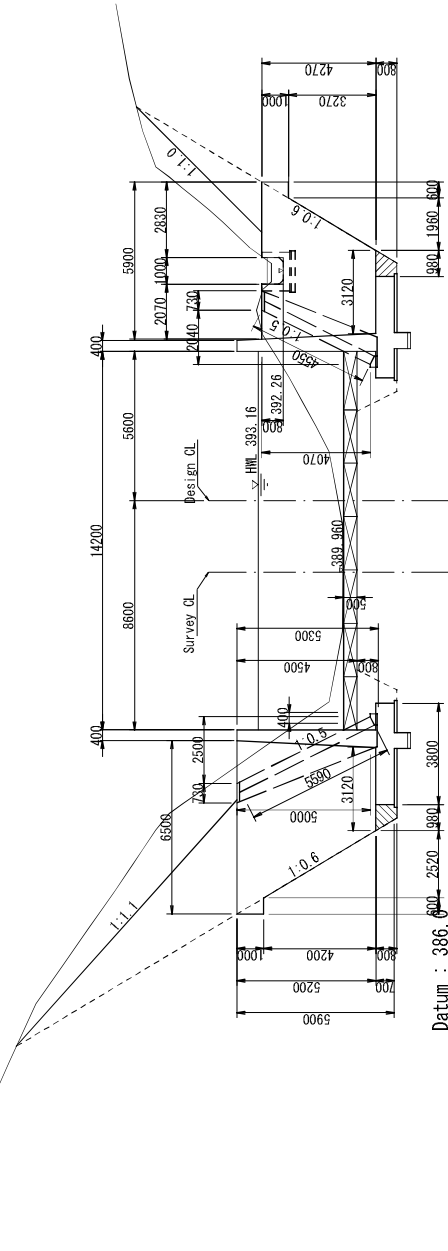
# HEADWORKS 1 (7)

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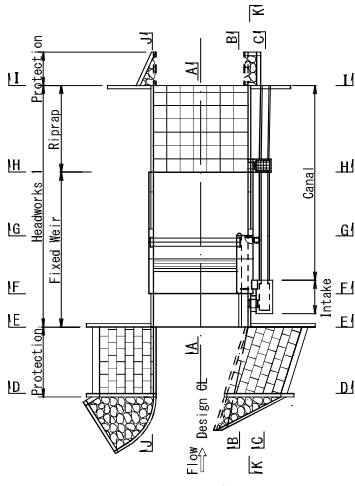
## SECTION H-H



## SECTION I-I



## LAYOUT PLAN



THE REPUBLIC OF THE UNION OF MYANMAR



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HEADWORKS 1

SHEET CONTENTS

HEADWORKS 1 (7)  
CROSS SECTION 3

SCALE

1/200

DATE

DEC 2018

PAGE NO.

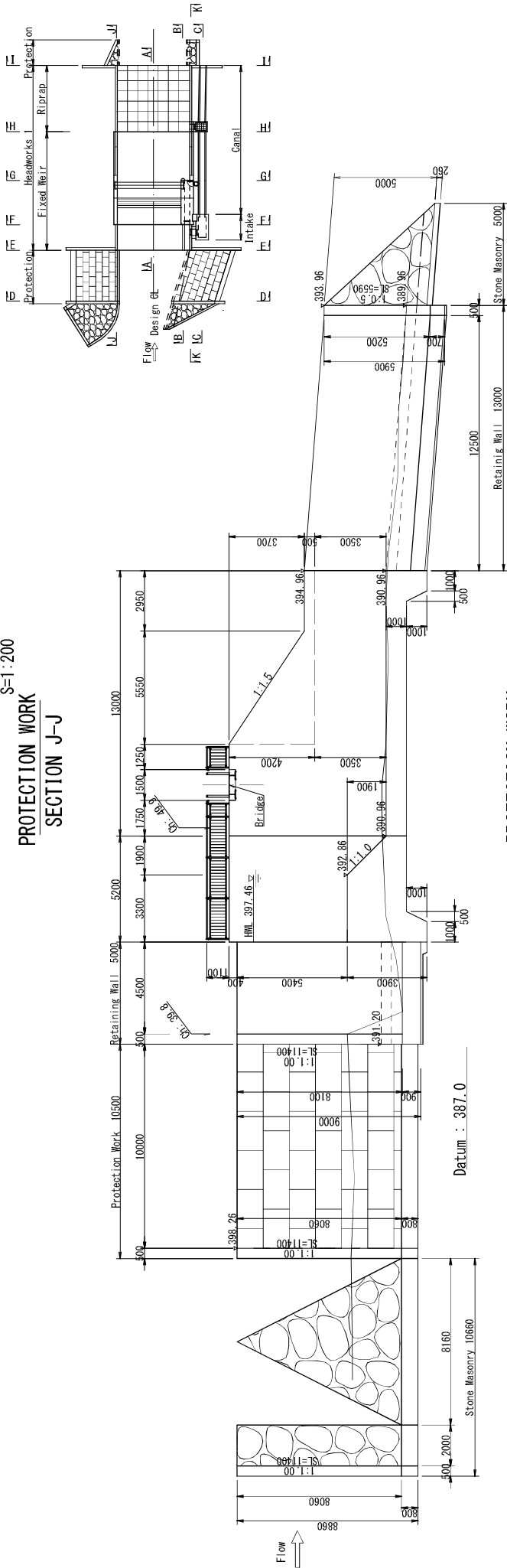
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# HEADWORKS 1 (8)

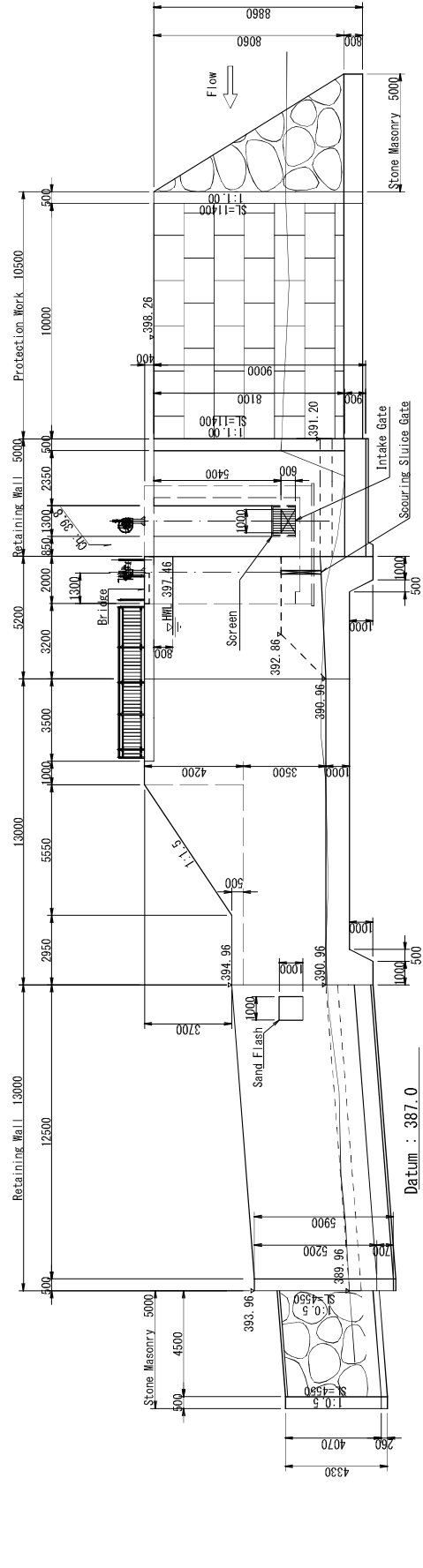
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## PROTECTION WORK SECTION J-J

## LAYOUT PLAN



## PROTECTION WORK SECTION K-K



THE REPUBLIC OF THE UNION OF MYANMAR



JAPAN INTERNATIONAL COOPERATION AGENCY  
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THE PROJECT  
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IN LOCAL AREAS

Pa Mun Chaung Village

HEADWORKS 1

SHEET CONTENTS

HEADWORKS 1 (8)  
PROTECTION WORK

SCALE

1/200

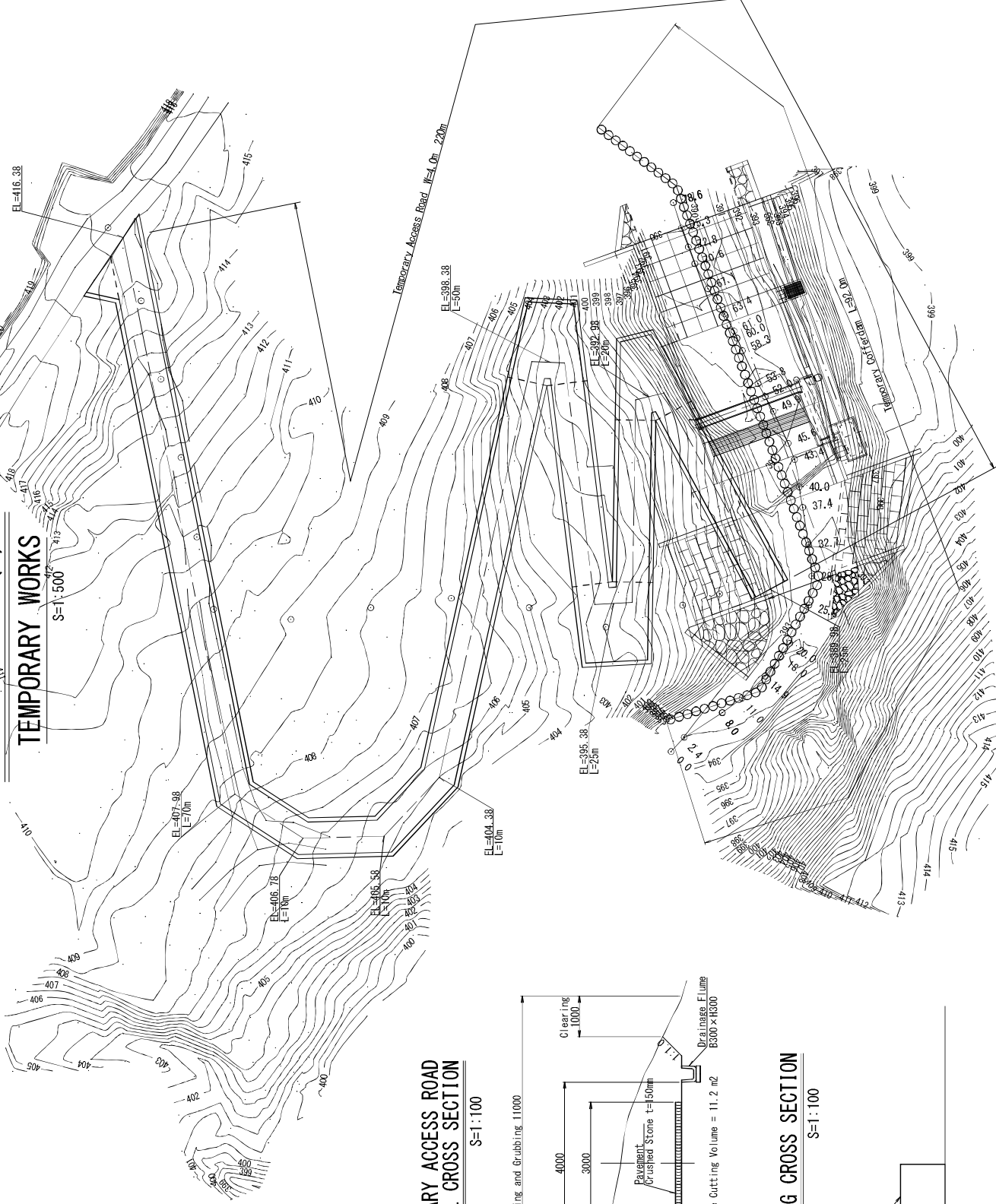
DATE

DEC 2018

PAGE NO.

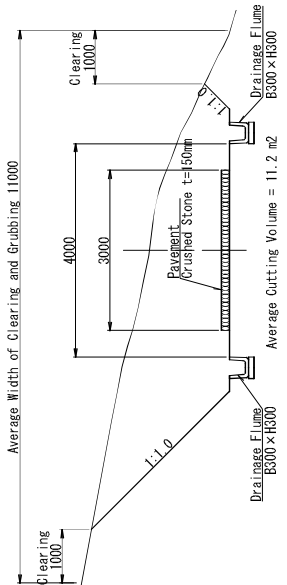
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# HEADWORKS 1 (9) TEMPORARY WORKS



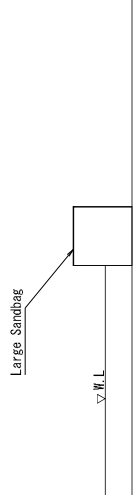
## TEMPORARY ACCESS ROAD TYPICAL CROSS SECTION

S=1:100





## LARGE SANDBAG CROSS SECTION

S=1:100



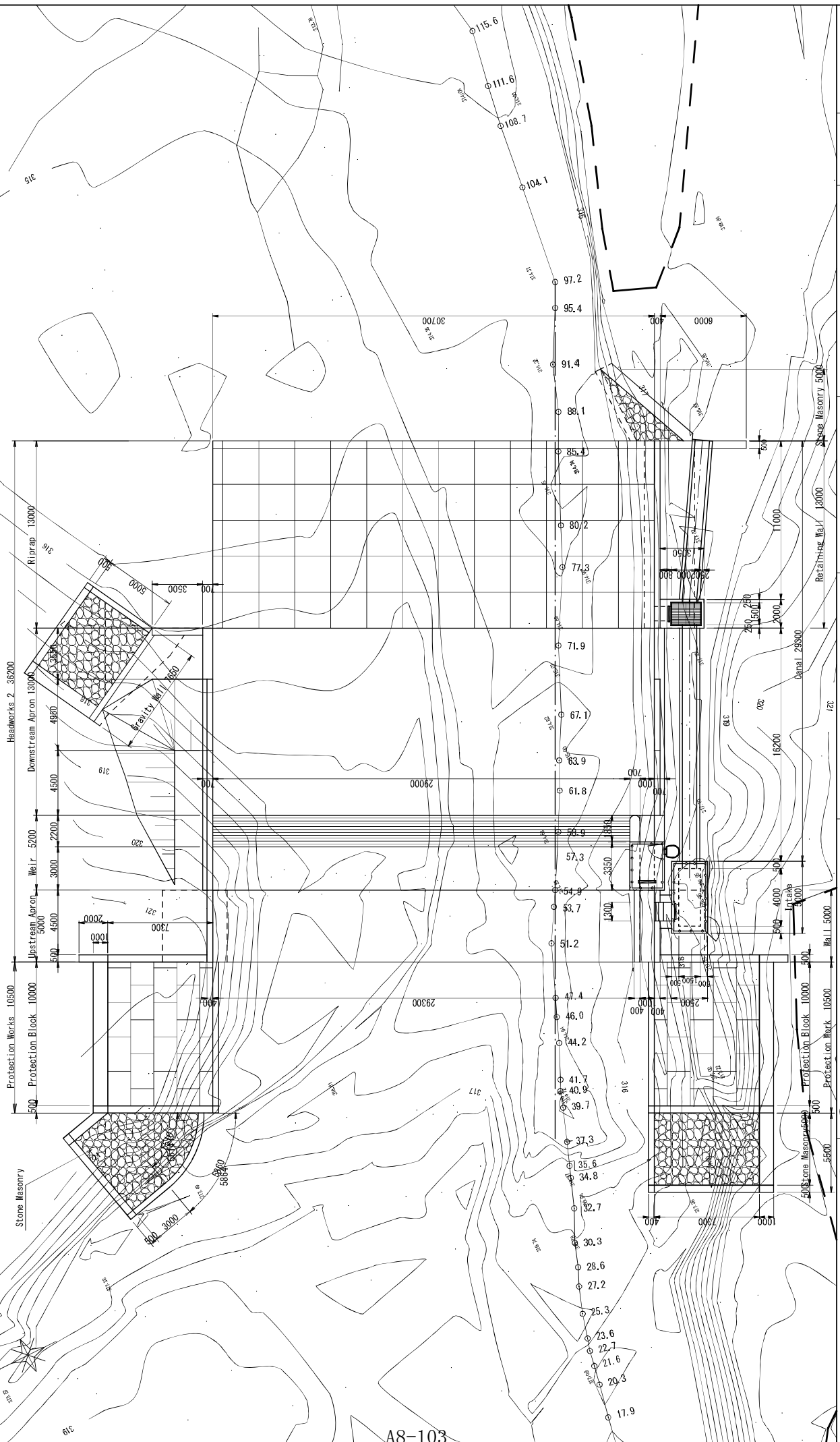
A8-102

 THE REPUBLIC OF THE UNION OF MYANMAR  CHIN STATE	JAPAN INTERNATIONAL COOPERATION AGENCY YACHYO ENGINEERING CO., LTD.  NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Pa Mun Chaung Village  HEADWORKS 1	SHEET CONTENTS HEADWORKS 1 (9) TEMPORARY WORKS	SCALE 1/500
		DATE DEC 2018	PAGE NO. 100 / 109			



# HEADWORKS 2 (1)

S=1:250

## LAYOUT PLAN



A8-103

 THE REPUBLIC OF THE UNION OF MYANMAR	JAPAN INTERNATIONAL COOPERATION AGENCY YACHTO ENGINEERING CO., LTD.  NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Pa Mun Charing Village HEADWORKS 2	SHEET CONTENTS HEADWORKS 2 (1) LAYOUT PLAN	SCALE 1/250
		CHIN STATE	DATE DEC 2018	PAGE NO. 101 / 109		

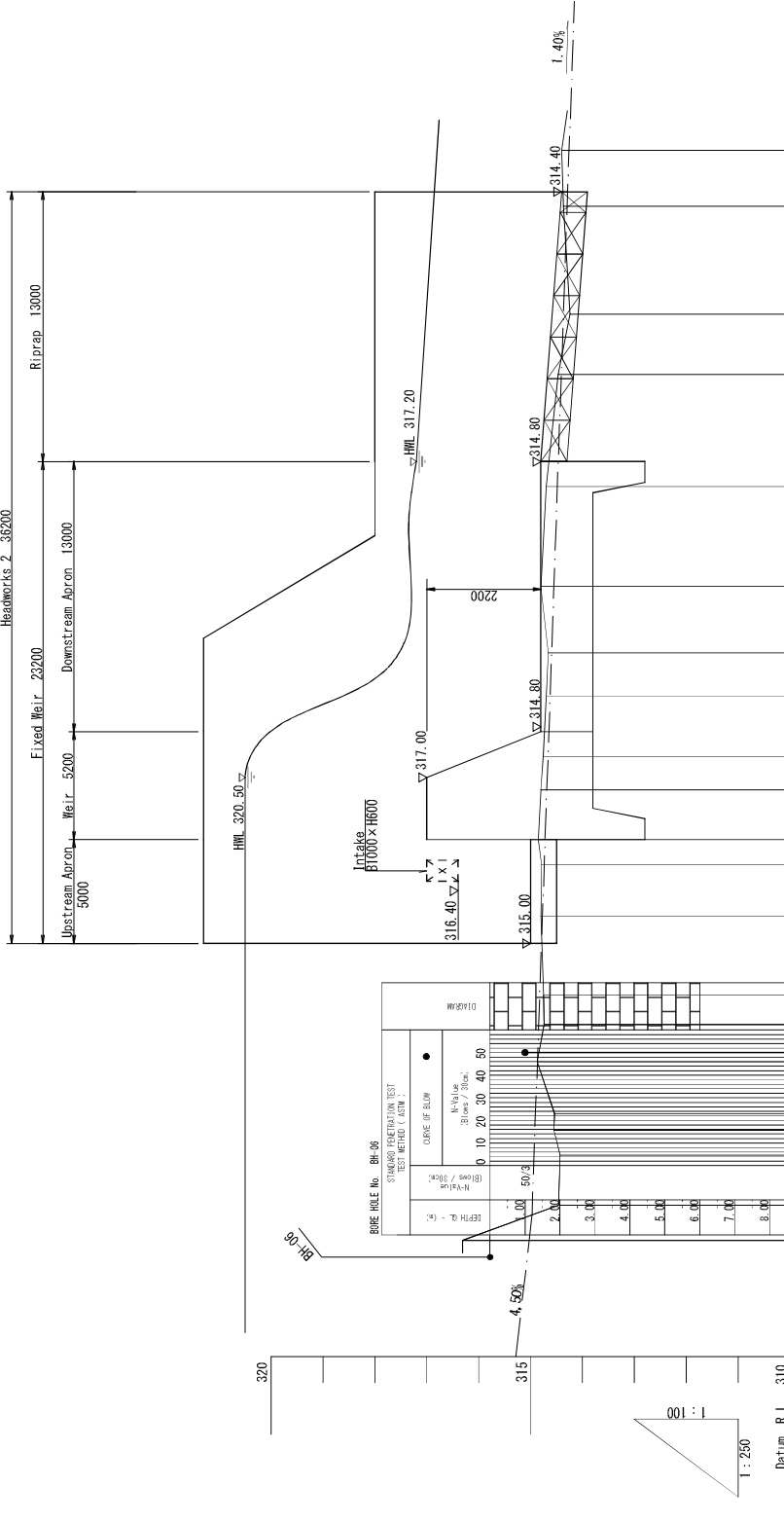


# HEADWORKS 2 (2)

## LONGITUDINAL PLAN

H=1:250 V=1:100

Headworks 2\_36200



Station No.	Distance	Accumulated Distance	Existing River Bed Elevation	Design Level
35.6	0.80	35.60	316.31	314.31
37.3	1.70	37.30	314.46	314.46
39.7	2.40	39.70	314.43	314.43
40.9	1.20	40.90	314.54	314.54
41.7	0.80	41.70	314.54	314.54
44.2	2.50	44.20	314.87	314.87
46	1.80	46.00	314.74	314.74
47.4	1.40	47.40	314.75	314.75
51.2	3.80	51.20	314.80	314.80
53.7	2.50	53.70	314.79	315.00
54.9	1.20	54.90	314.85	317.00
57.3	2.40	57.30	314.80	317.00
58.9	1.60	58.90	314.76	315.90
61.8	2.90	61.80	314.70	314.80
63.9	2.10	63.90	314.66	314.80
67.1	3.20	67.10	314.80	314.80
71.9	4.80	71.90	314.70	314.80
77.3	5.40	77.30	314.47	314.67
80.2	2.90	80.20	314.24	314.58
85.4	5.20	85.40	314.37	314.42
88.1	2.70	88.10	314.40	314.40

Scale Horizontal 1:250 Vertical 1:100



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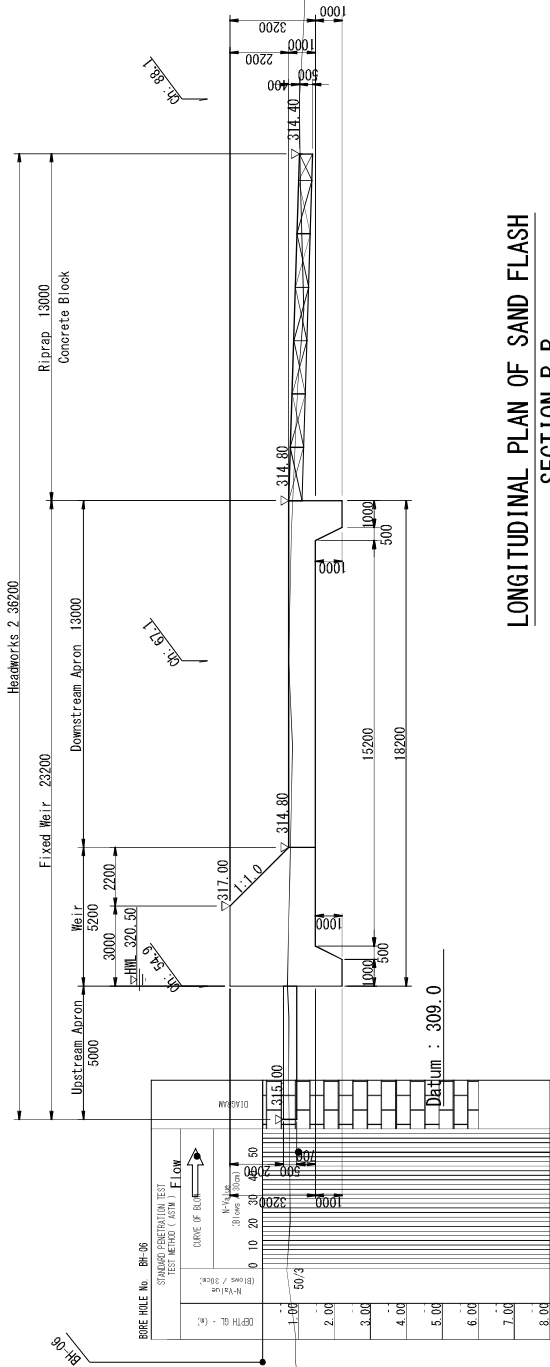
CHIN STATE

SHEET CONTENTS  
HEADWORKS 2 (2)  
LONGITUDINAL PLAN

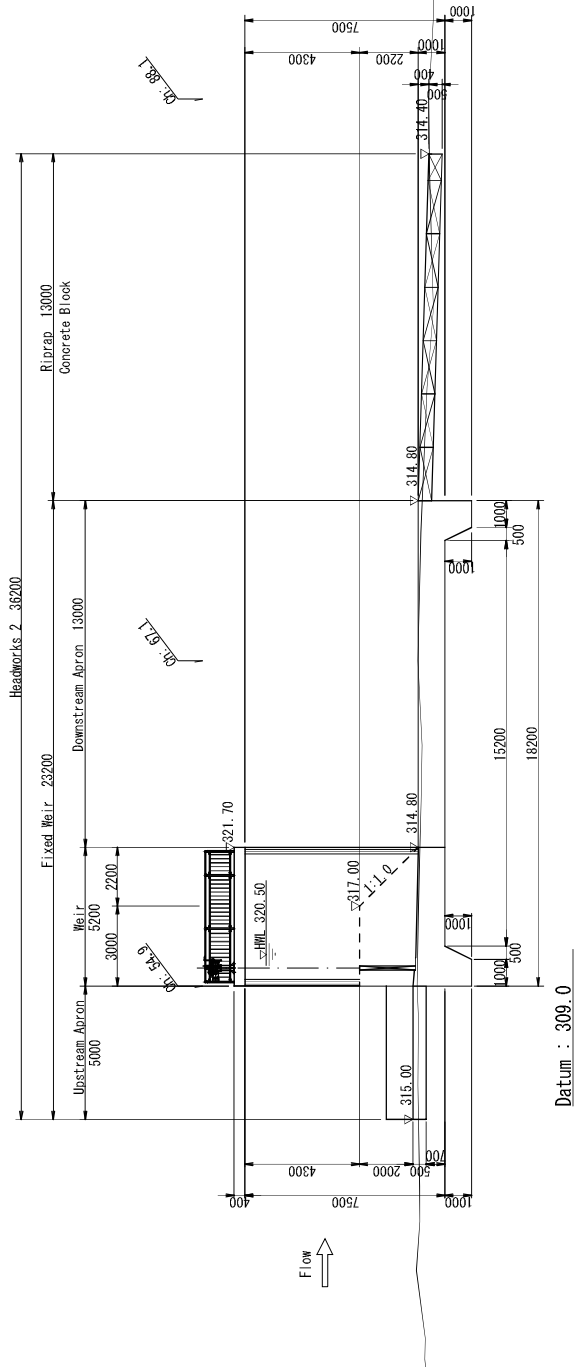
SCALE H:1/250 V:1/100  
DATE DEC 2018  
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# HEADWORKS 2 (3)

## S=1:200 LONGITUDINAL PLAN OF FIXED WEIR SECTION A-A

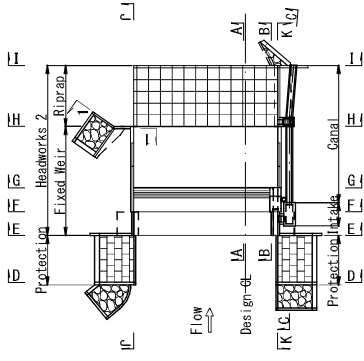


## LONGITUDINAL PLAN OF SAND FLASH SECTION B-B



A8-105

# LAYOUT PLAN



THE REPUBLIC OF THE UNION OF MYANMAR



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Pa Mun Chaung Village  
HEADWORKS 2

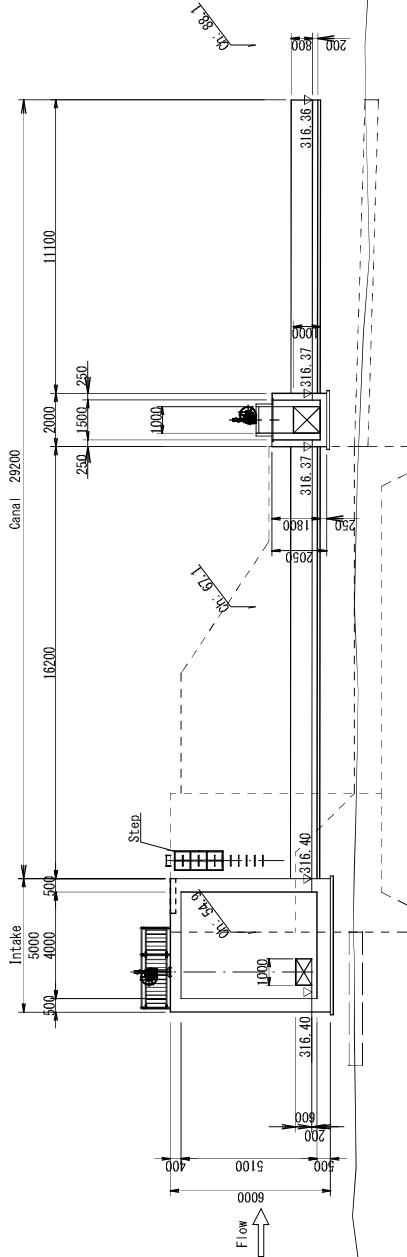
SHEET CONTENTS  
HEADWORKS 2 (3)  
LONGITUDINAL PLAN OF FIXED WEIR  
LONGITUDINAL PLAN OF SAND FLASH

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# HEADWORKS 2 (4)

S=1:200

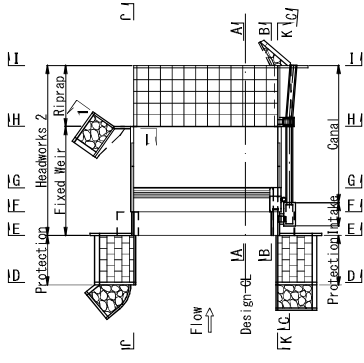
## LONGITUDINAL PLAN OF INTAKE AND CANAL SECTION C-C



Datum : 309.0

A8-106

### LAYOUT PLAN



THE REPUBLIC OF THE UNION OF MYANMAR



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Pa Mun Chaung Village  
HEADWORKS 2

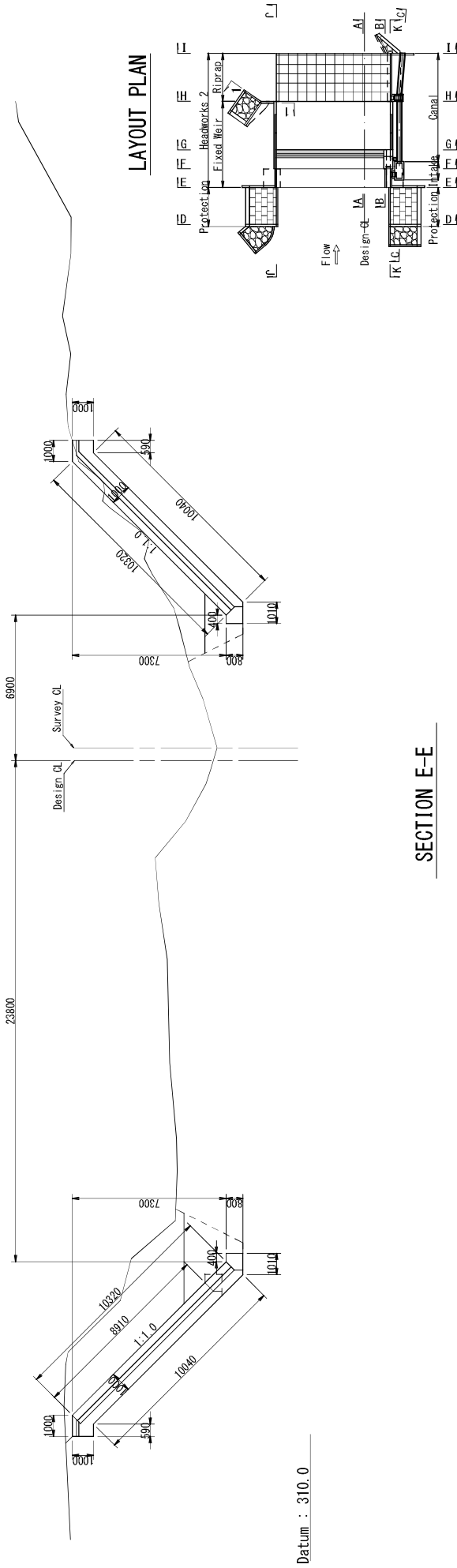
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HEADWORKS 2 (4)  
LONGITUDINAL PLAN OF INTAKE AND CANAL

SCALE	1/200
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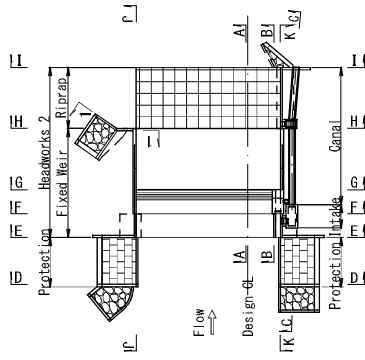
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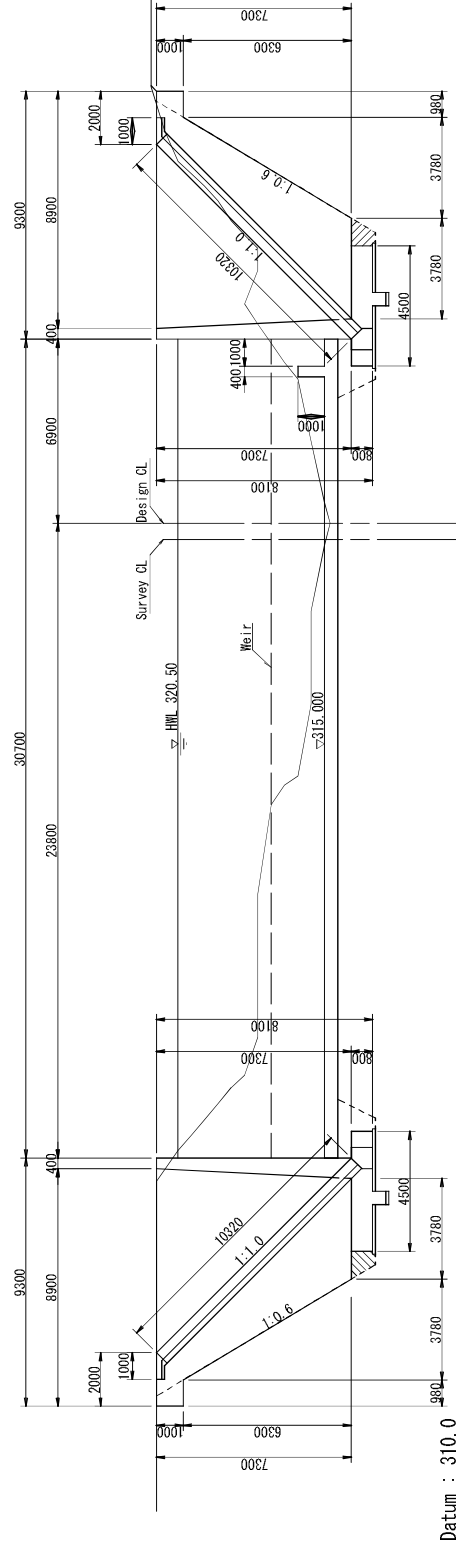
## SECTION D-D





## LAYOUT PLAN



## SECTION E-E

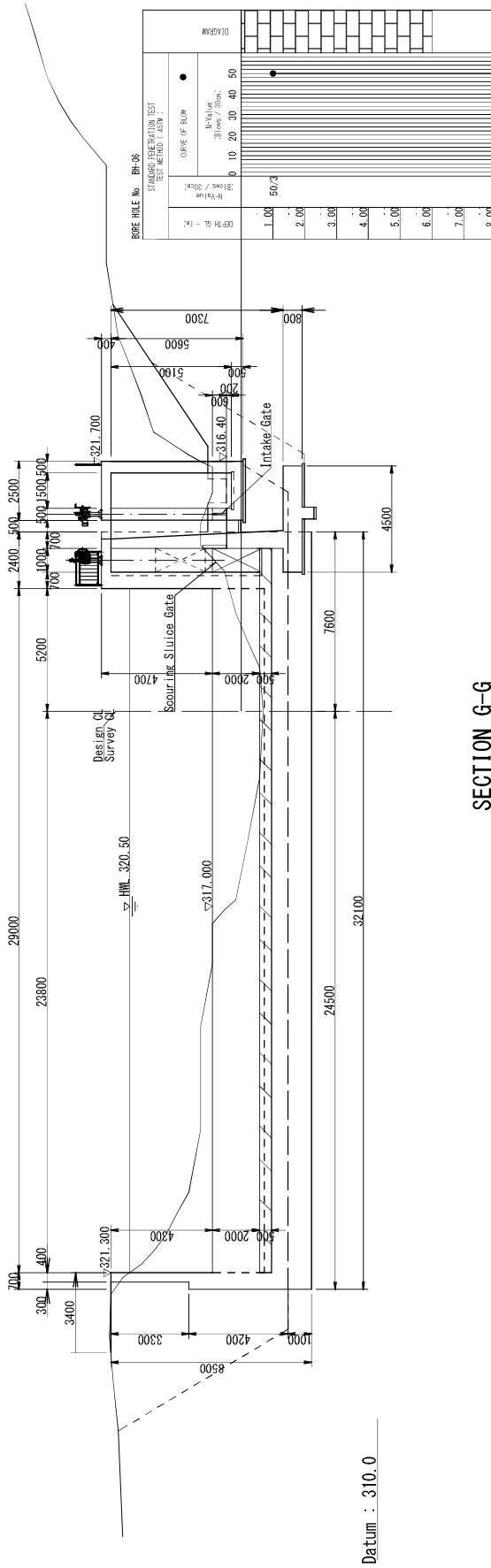


 THE REPUBLIC OF THE UNION OF MYANMAR CHIN STATE	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.  NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Pa Mun Chaung Village HEADWORKS 2		SHEET CONTENTS HEADWORKS 2 (5) CROSS SECTION 1		SCALE 1/200
								DATE DEC 2018

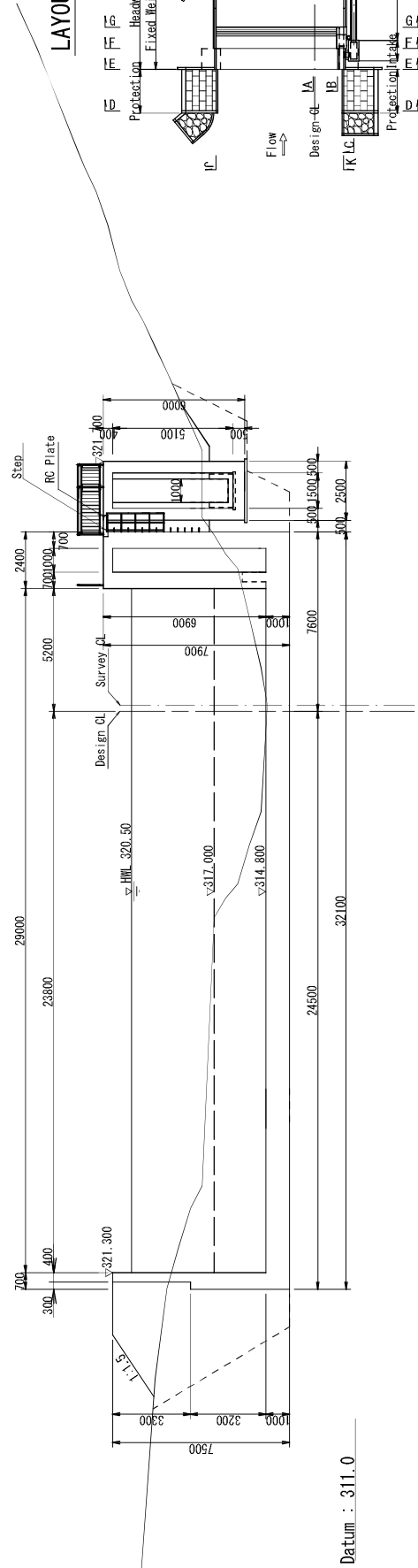
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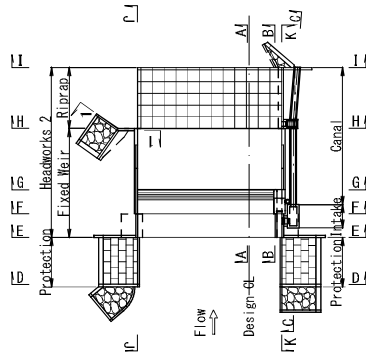
## SECTION F-F



## SECTION G-G



## LAYOUT PLAN

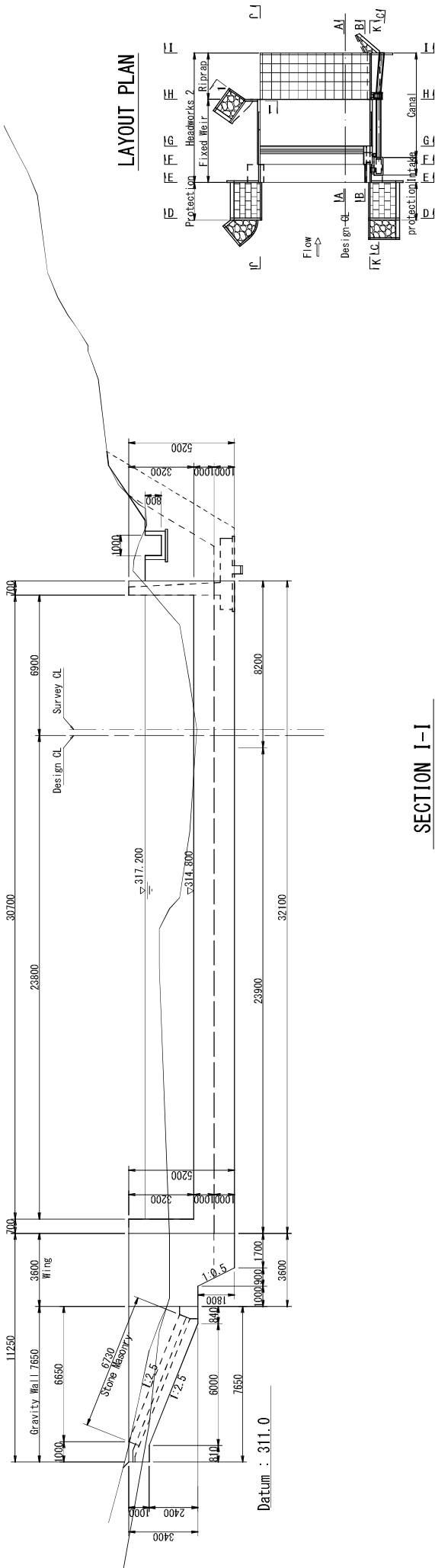


 THE REPUBLIC OF THE UNION OF MYANMAR CHIN STATE	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Pa Mun Chaung Village	SHEET CONTENTS HEADWORKS 2 (6) CROSS SECTION 2	SCALE	1/200
		HEADWORKS 2		DATE		DEC 2018	PAGE NO.

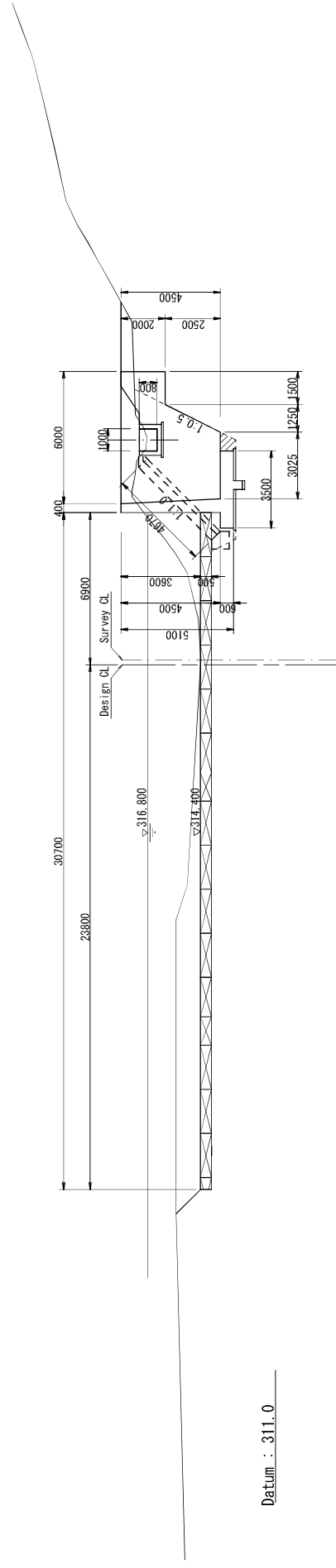
# HEADWORKS 2 (7)




S=1:200

## SECTION H-H



## SECTION I-I

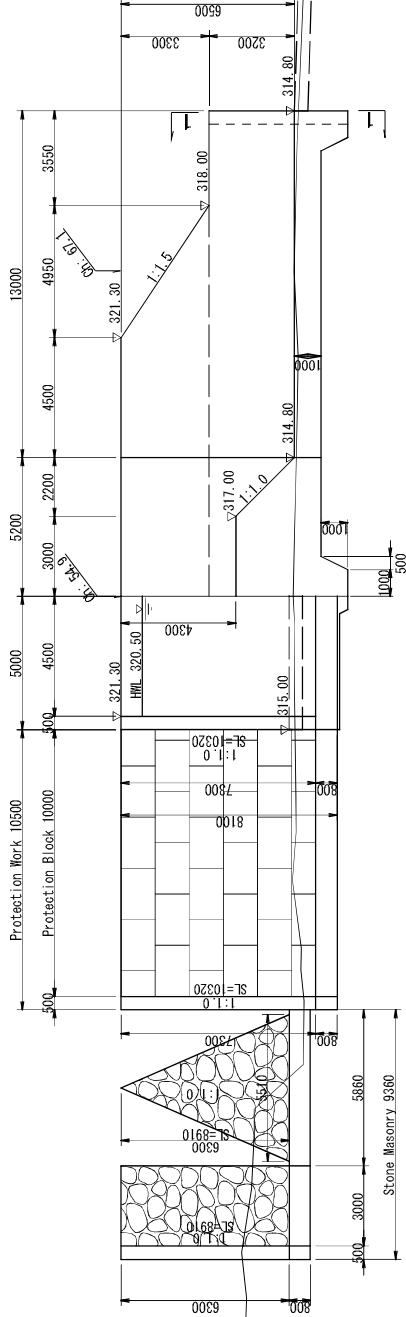


 THE REPUBLIC OF THE UNION OF MYANMAR  CHIN STATE	JAPAN INTERNATIONAL COOPERATION AGENCY  YACHYO ENGINEERING CO., LTD.  NIPPON KOEI CO., LTD.		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Pa Mun Chaung Village HEADWORKS 2		SHEET CONTENTS HEADWORKS 2 (7) CROSS SECTION 3		SCALE	1/200
									DATE	DEC 2018
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# HEADWORKS 2 (8)

S=1:200

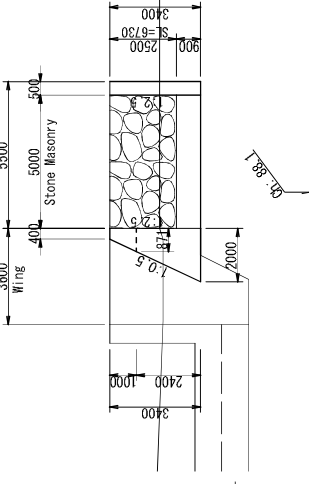
## PROTECTION WORK SECTION J-J



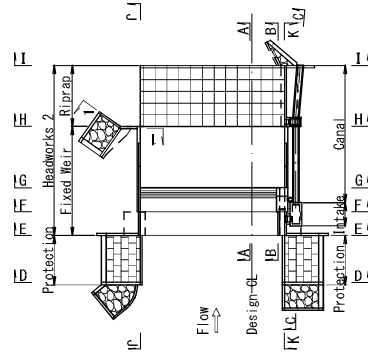
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A8-110

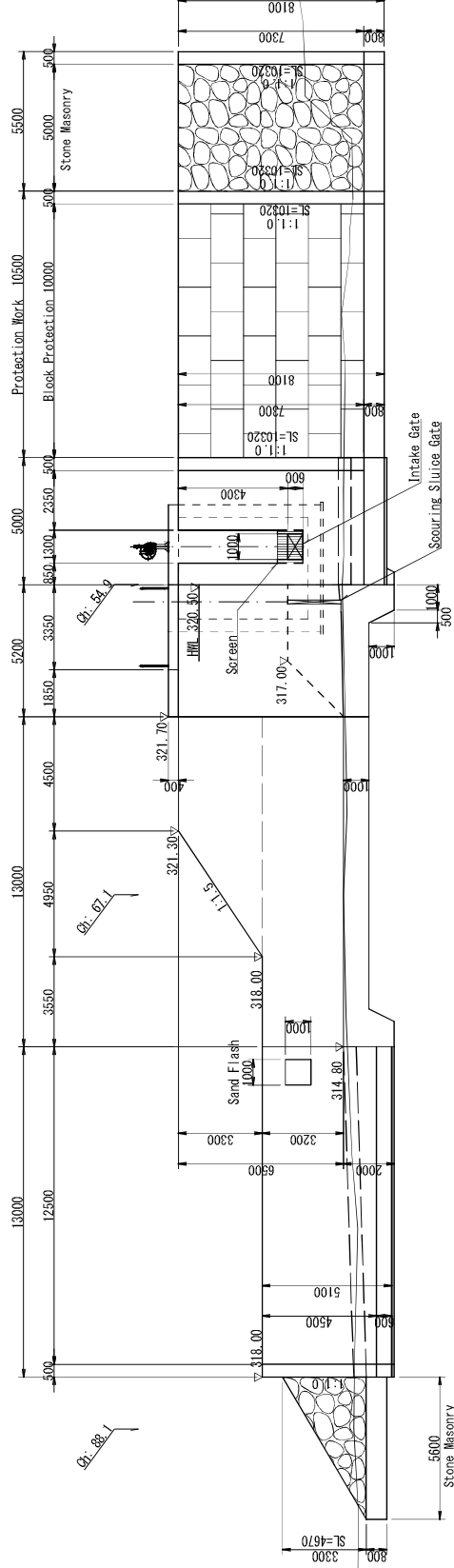
## SECTION 1-1



## LAYOUT PLAN



## PROTECTION WORK SECTION K-K



Datum : 309.0



THE REPUBLIC OF THE UNION OF MYANMAR



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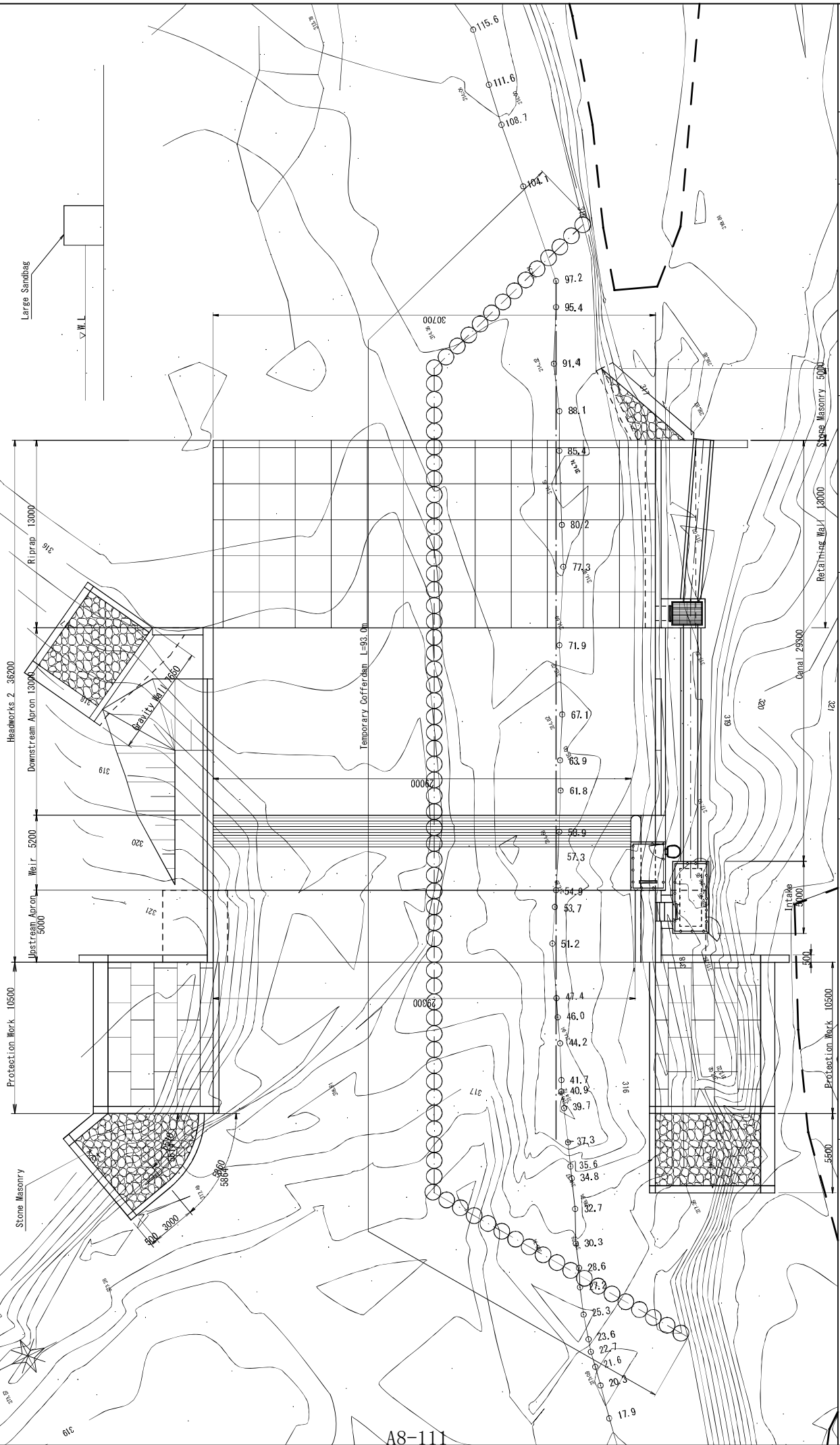
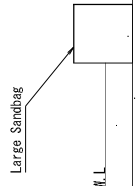
# HEADWORKS 2 (9)

## TEMPORARY WORKS



S=1:250

# LARGE SANDBAG TYPICAL CROSS SECTION

S=1:100



A8-111

 THE REPUBLIC OF THE UNION OF MYANMAR	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.  NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Pa Mun Charung Village HEADWORKS 2	SHEET CONTENTS			
				HEADWORKS 2 (9) TEMPORARY WORKS	SCALE	1/250	
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THE PROJECT  
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REFERENCE DRAWINGS  
AYEYARWADY REGION

DECEMBER 2018



JAPAN INTERNATIONAL COOPERATION AGENCY



YACHIYO ENGINEERING CO., LTD.



**NIPPON KOEI CO.,LTD.** NIPPON KOEI CO., LTD.

# DRAWINGS LIST

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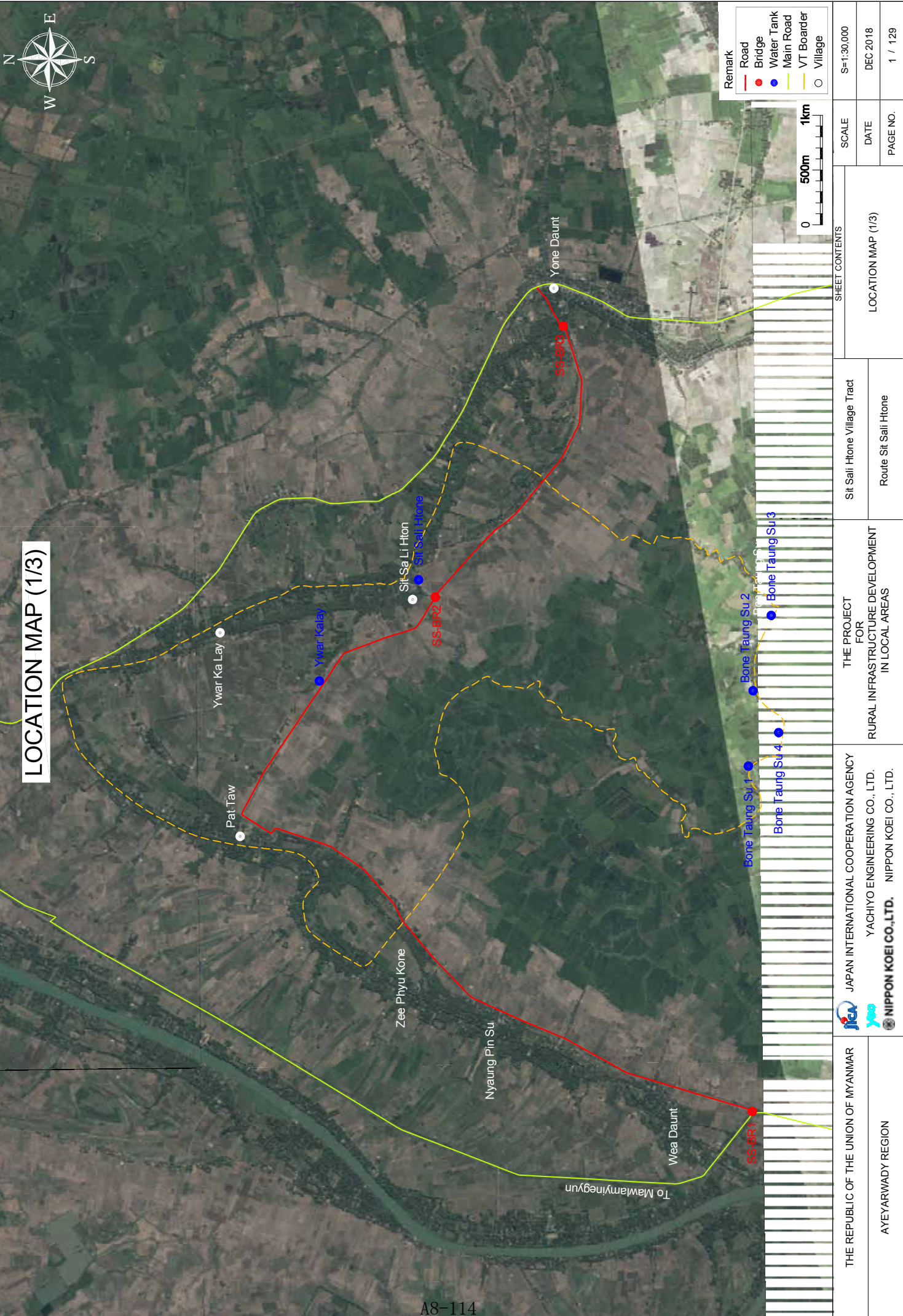
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LOCATION MAP (1/3)

Remark
— Road
— Bridge
● Water Tank
— Main Road
— VT Boarder
○ Village

SCALE	S=1:30,000
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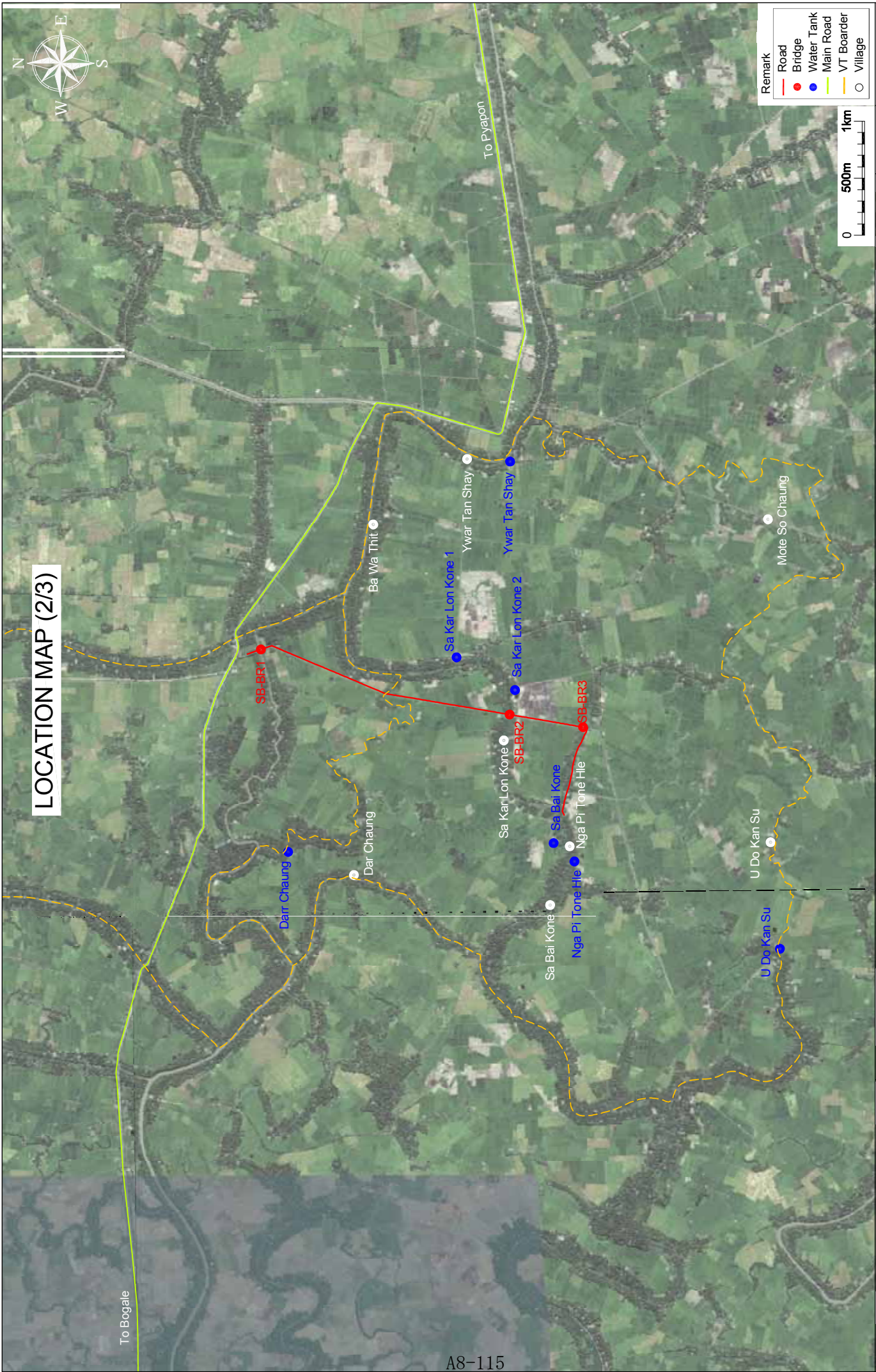
SHEET CONTENTS	LOCATION MAP (1/3)
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Sit Sali Htone Village Tract
Route Sit Sali Htone

THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS
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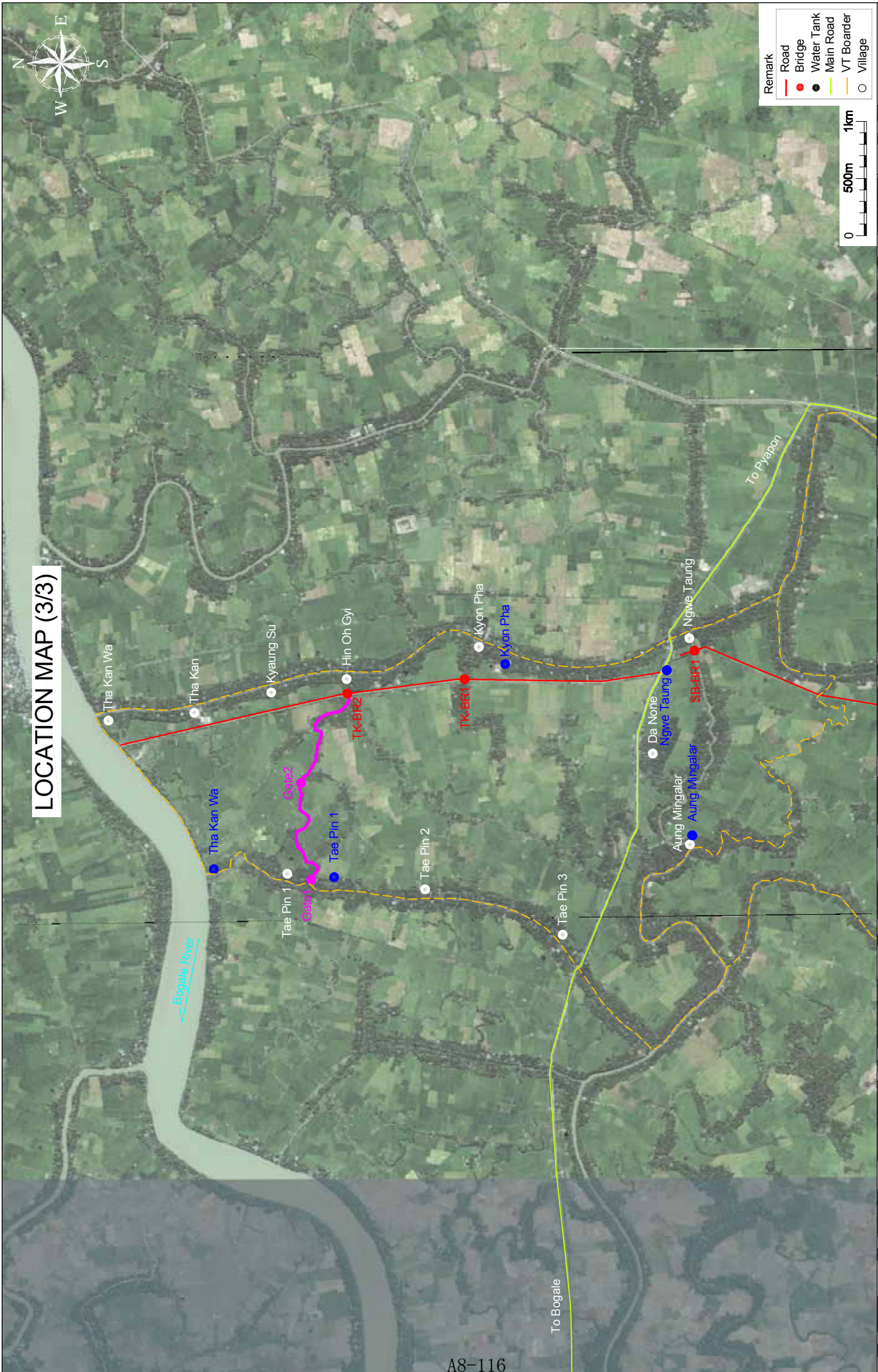
JAPAN INTERNATIONAL COOPERATION AGENCY
YACHIYO ENGINEERING CO., LTD.
NIPPON KOEI CO., LTD.

THE REPUBLIC OF THE UNION OF MYANMAR
AYEYARWADY REGION



LOCATION MAP (2/3)

THE REPUBLIC OF THE UNION OF MYANMAR  AYEYARWADY REGION	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Sa Bai Kone Village Tract  Route Sa Bai Kone	SHEET CONTENTS  LOCATION MAP (2/3)	SCALE S=1:30,000
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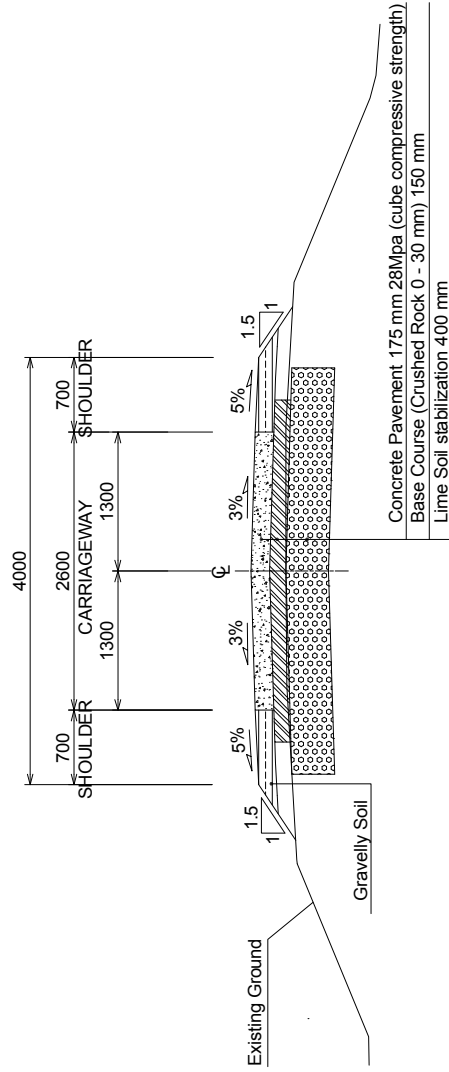
**LOCATION MAP (3/3)**

Remark	
<span style="color: red;">—</span>	Road
<span style="color: blue;">—</span>	Bridge
<span style="color: black;">●</span>	Water Tank
<span style="color: yellow;">- - -</span>	Main Road
<span style="color: yellow;">—</span>	VT Boarder
<span style="color: black;">○</span>	Village

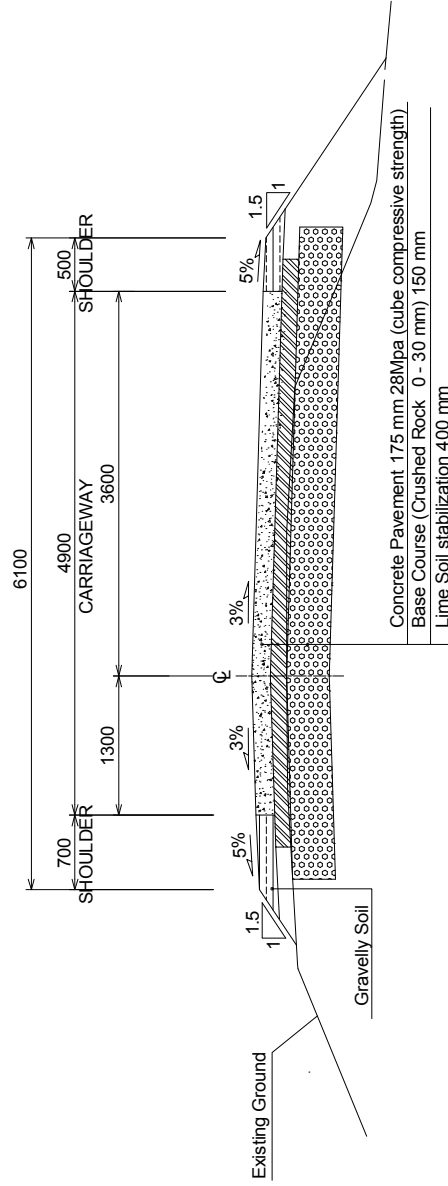


THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Tha Kan Wa Village Tract Route Tha Kan Wa	SHEET CONTENTS LOCATION MAP (3/3)	SCALE S=1:30,000
	DATE DEC 2018	PAGE NO. 3 / 129				

# TYPICAL CROSS SECTION (1/3)



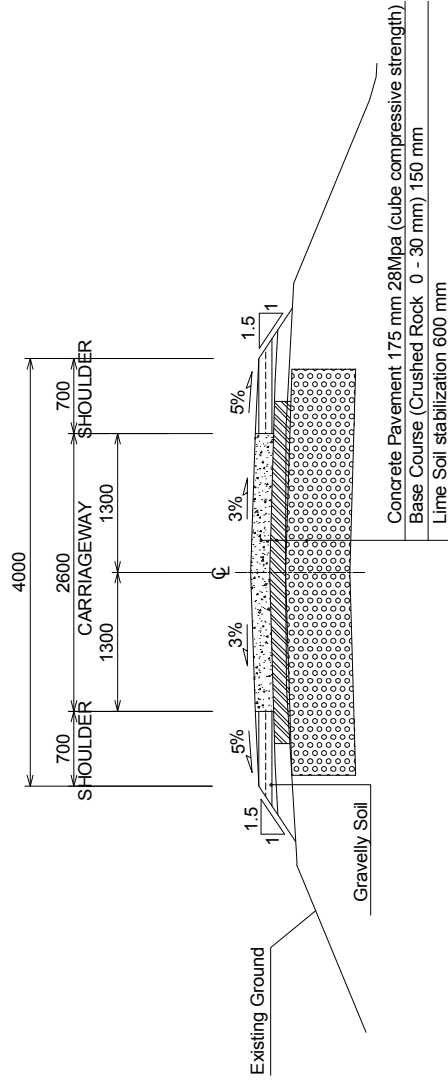
**General Section**  
 (Route Sit Sali Htone and Route Tha Kan Wa)



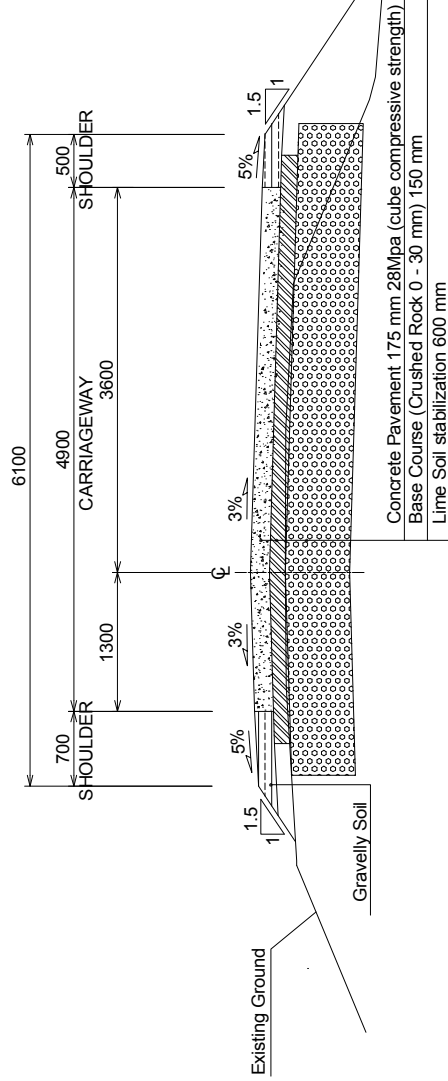
**Car Passing Area Section**  
 (Route Sit Sali Htone and Route Tha Kan Wa)

THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Sit Sali Htone Village Tract Tha Kan Wa Village Tract Route Sit Sali Htone Route Tha Kan Wa	SHEET CONTENTS TYPICAL CROSS SECTION (1/3)	SCALE S=1:50
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# TYPICAL CROSS SECTION (2/3)



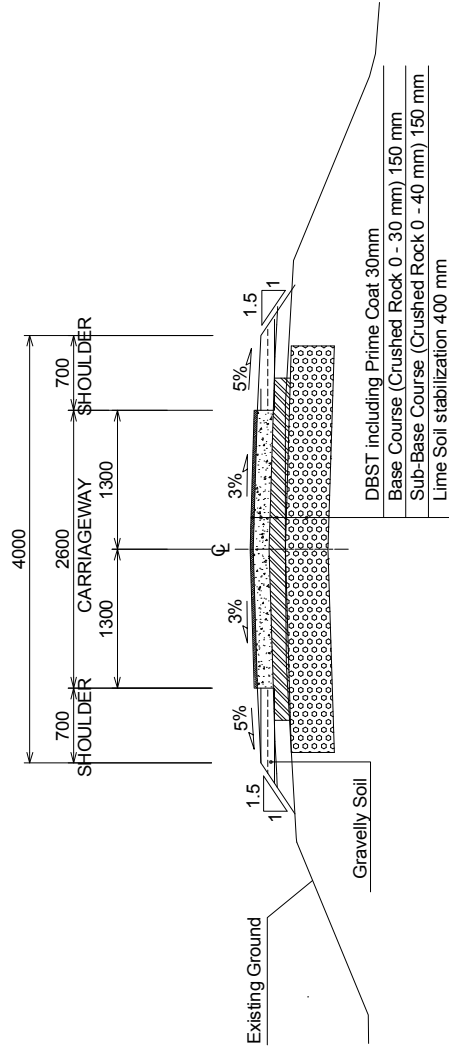
**General Section  
 (Route Sa Bai Kone)**



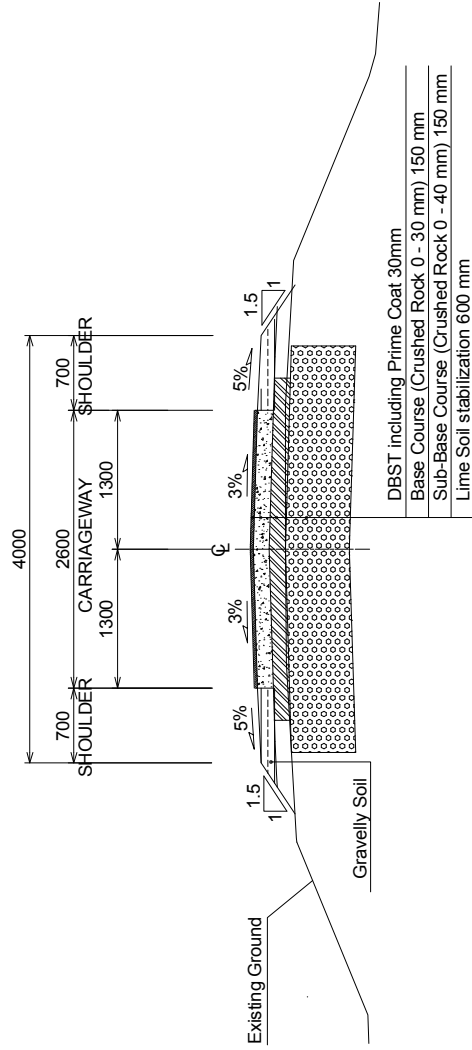
**Car Passing Area Section  
 (Route Sa Bai Kone)**

THE REPUBLIC OF THE UNION OF MYANMAR  AYEYARWADY REGION		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Sa Bai Kone Village Tract	SHEET CONTENTS	SCALE	S=1:50
		Route Sa Bai Kone	TYPICAL CROSS SECTION (2/3)	DATE	DEC 2018	
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# TYPICAL CROSS SECTION (3/3)



Bridge Approach Section  
 (Route Sit Sali Htone and Route Tha Kan Wa)



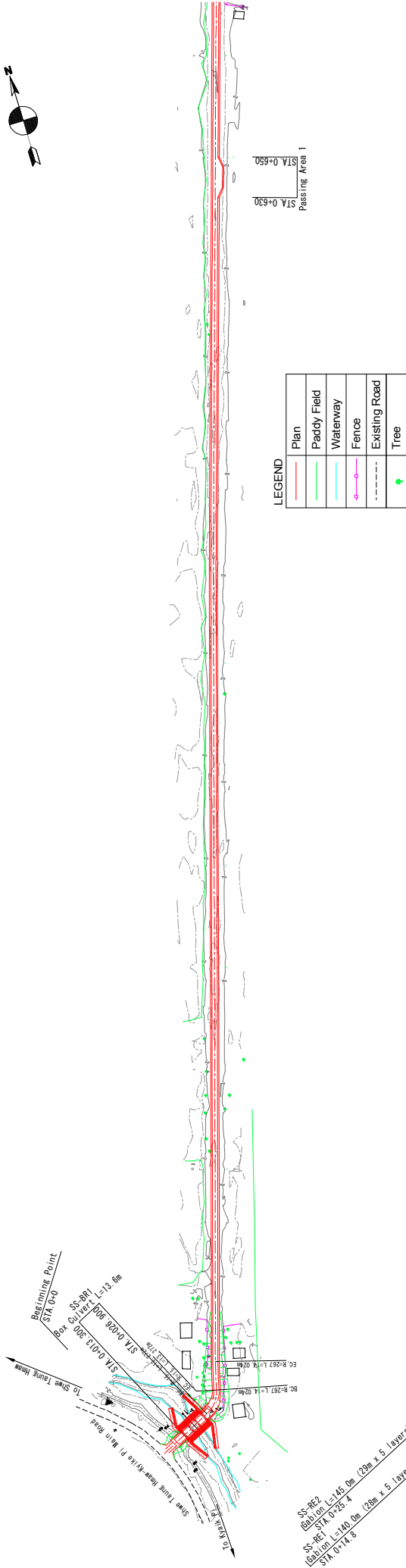
Bridge Approach Section  
 (Route Sa Bai Kone)

THE REPUBLIC OF THE UNION OF MYANMAR	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	SIT SALI HTONE VILLAGE TRACT SA BAI KONE VILLAGE TRACT THA KAN WA VILLAGE TRACT ROUTE SIT SALI HTONE ROUTE SA BAI KONE ROUTE THA KAN WA	SHEET CONTENTS	
				TYPICAL CROSS SECTION (3/3)	
AYEYARWADY REGION				SCALE	S=1:50
				DATE	DEC 2018
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# PLAN & PROFILE (1/18)

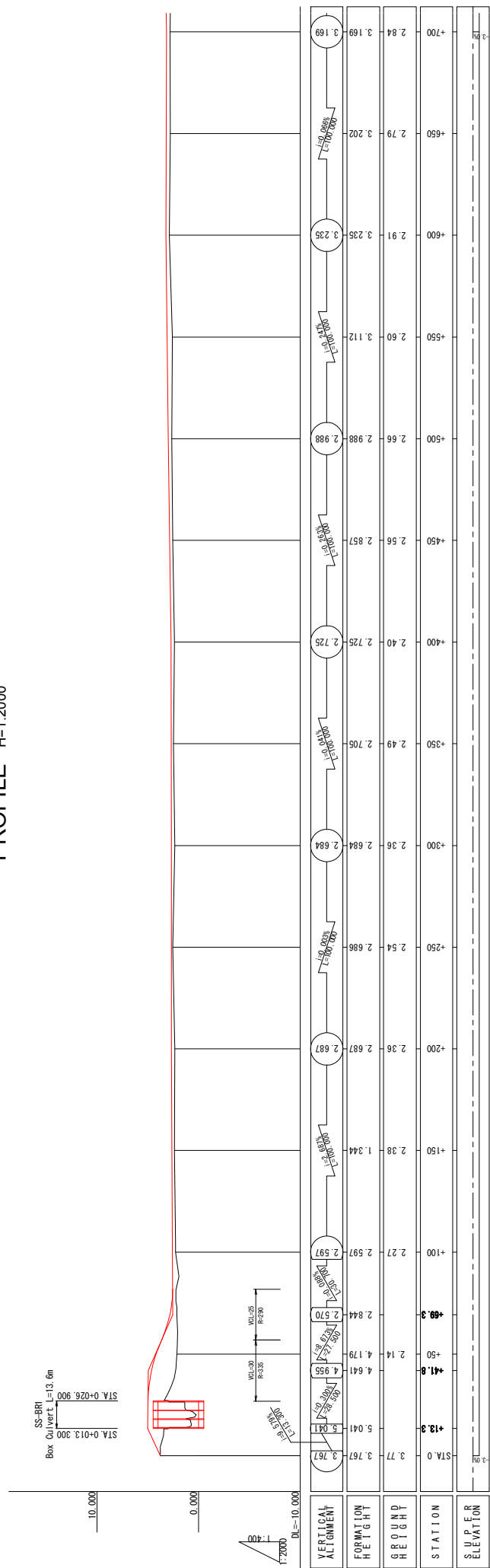
PLAN S=1:2000



**LEGEND**

	Plan
	Paddy Field
	Waterway
	Fence
	Existing Road
	Tree

PROFILE V=1:400  
H=1:2000



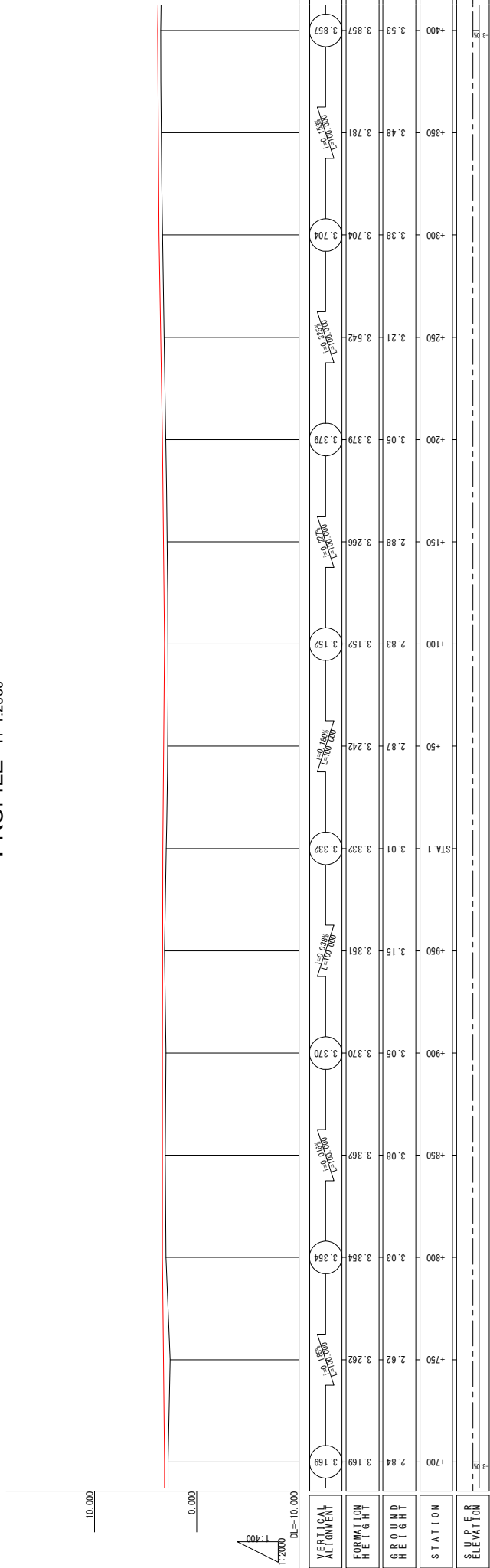
THE REPUBLIC OF THE UNION OF MYANMAR  AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY  YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Sit Sali Htone Village Tract Route Sit Sali Htone	SHEET CONTENTS PLAN & PROFILE (1/18) STA. 0+0 ~ STA. 0+700	SCALE DATE PAGE NO.	As Shown DEC 2018 7 / 129

# PLAN & PROFILE (2/18)

PLAN S=1:2000



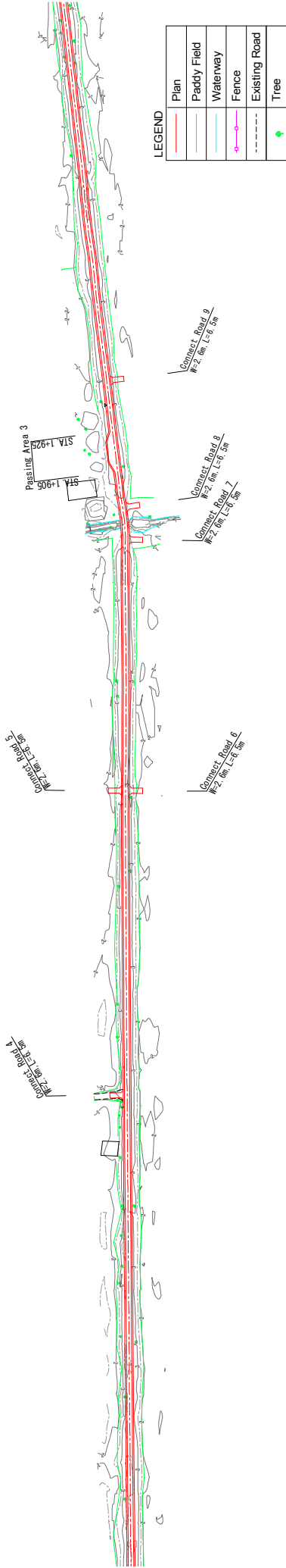
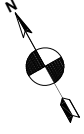
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THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Sit Sali Htone Village Tract Route Sit Sali Htone		SHEET CONTENTS PLAN & PROFILE (2/18) STA.0+700 ~ STA.1+400		SCALE As Shown
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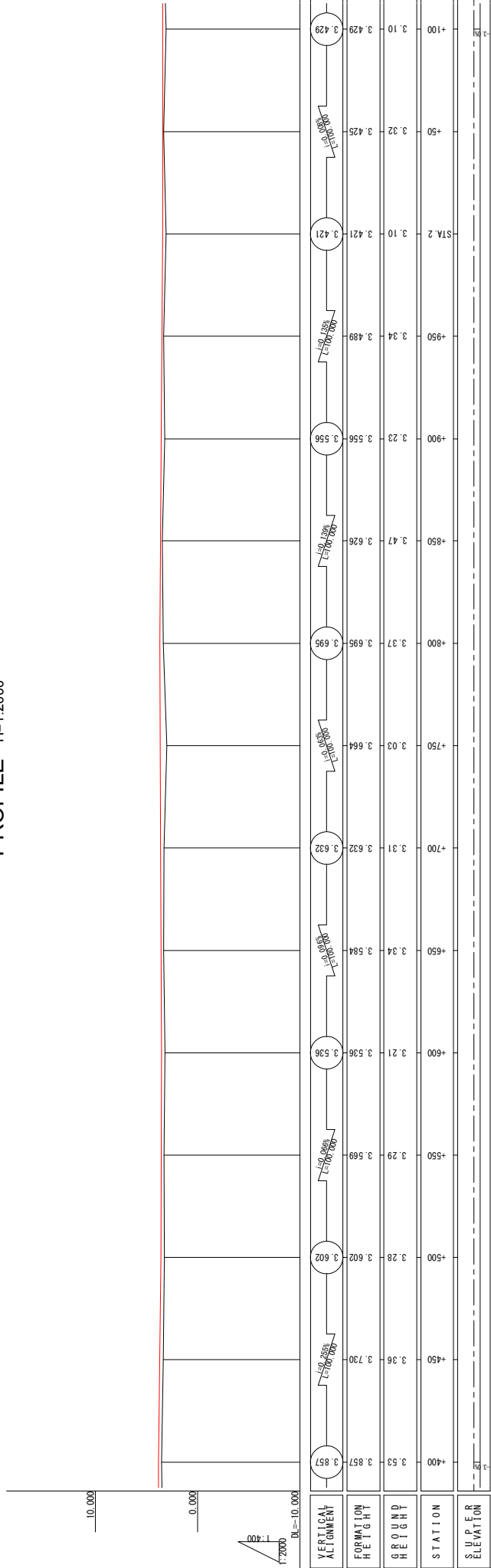
# PLAN & PROFILE (3/18)

PLAN S=1:2000



LEGEND	
	Plan
	Paddy Field
	Waterway
	Fence
	Existing Road
	Tree

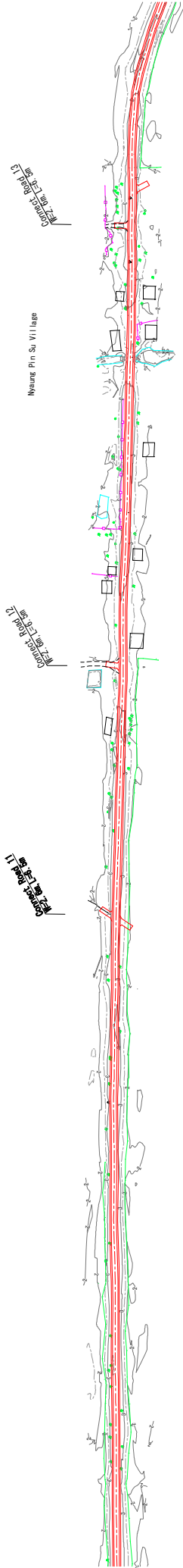
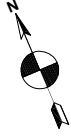
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THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		SHEET CONTENTS PLAN & PROFILE (3/18) STA.1+400 ~ STA.2+100		SCALE As Shown
	Sit Sai Htone Village Tract Route Sit Sai Htone		DATE DEC 2018		PAGE NO. 9 / 129		

# PLAN & PROFILE (4/18)

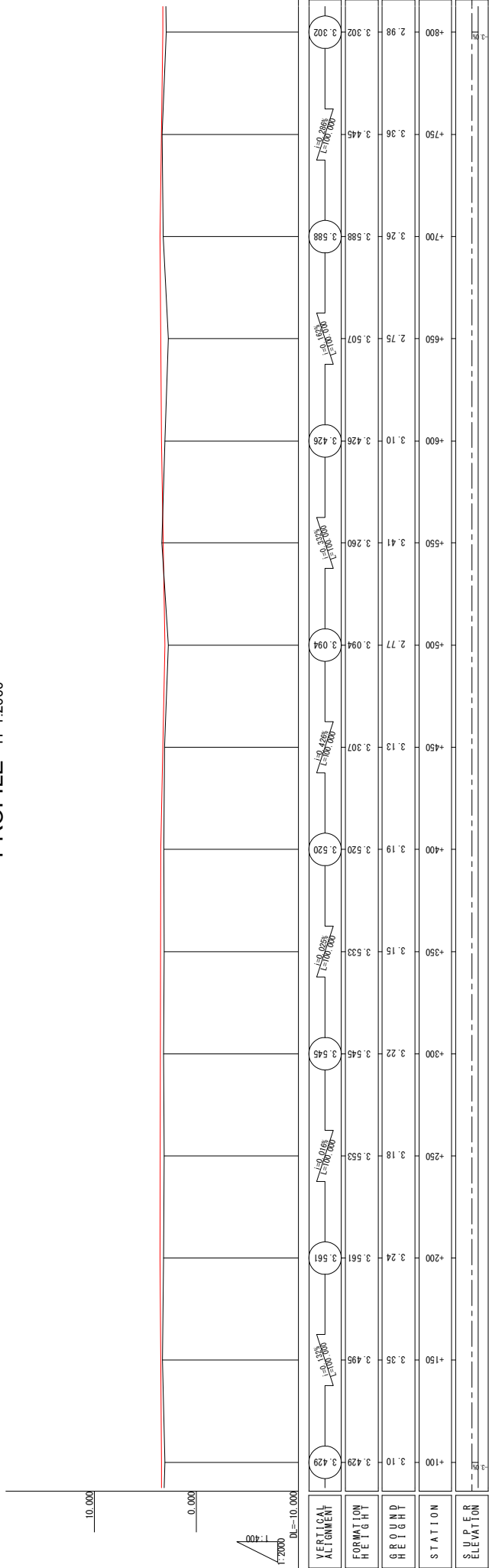
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**LEGEND**

	Plan
	Paddy Field
	Waterway
	Fence
	Existing Road
	Tree

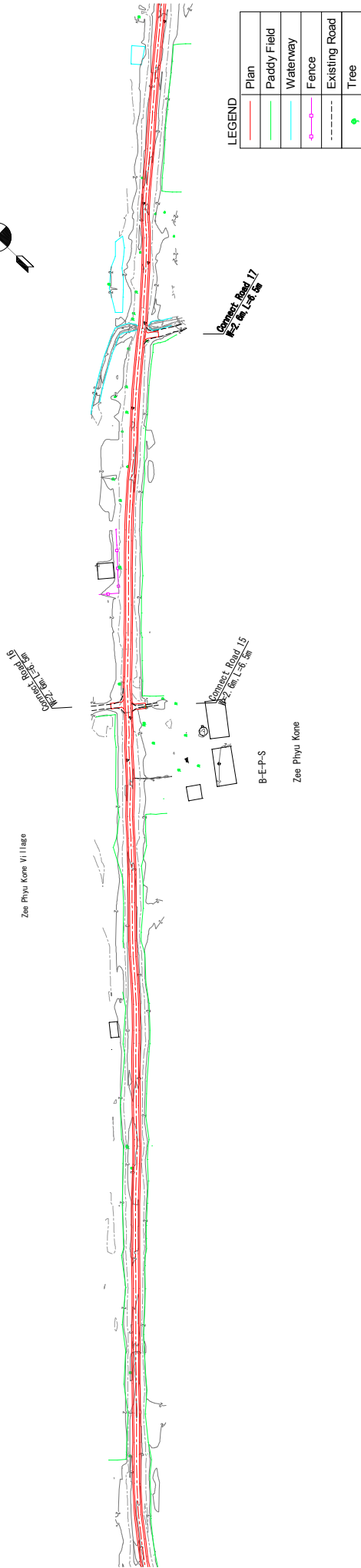
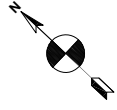
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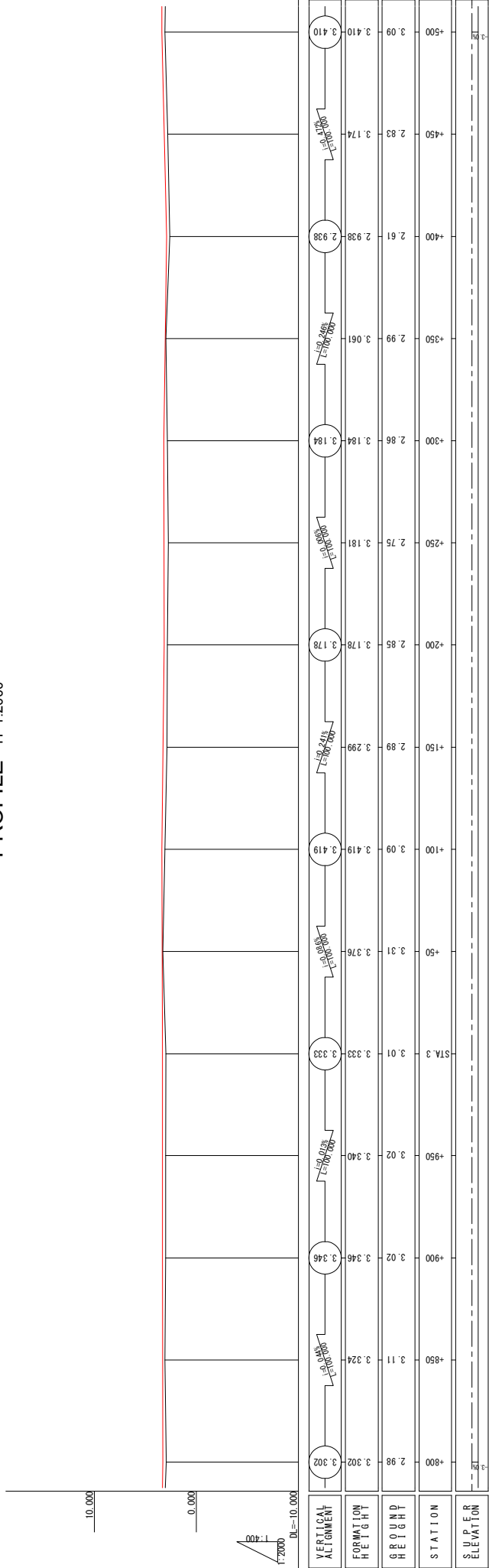
THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		SHEET CONTENTS PLAN & PROFILE (4/18) STA.2+100 ~ STA.2+800		SCALE As Shown
	Sit Sali Htone Village Tract Route Sit Sali Htone		DATE DEC 2018		PAGE NO. 10 / 129		

# PLAN & PROFILE (5/18)

PLAN S=1:2000



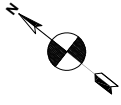
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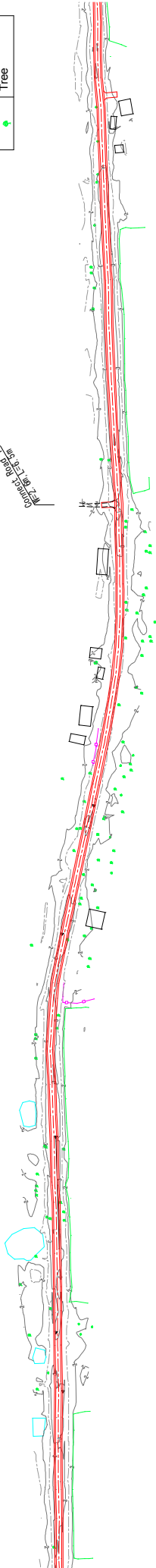
THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		SHEET CONTENTS PLAN & PROFILE (5/18) STA.2+800 ~ STA.3+500		SCALE As Shown
	Sit Sali Htone Village Tract Route Sit Sali Htone		DATE DEC 2018		PAGE NO. 11 / 129		

# PLAN & PROFILE (6/18)

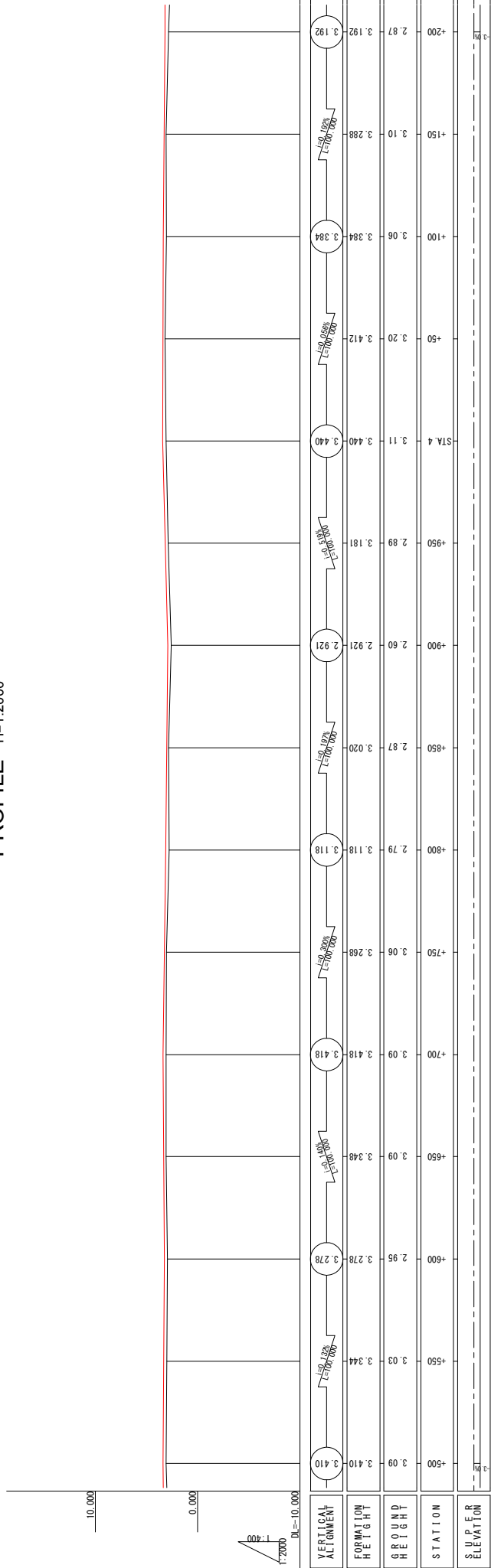
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LEGEND	
	Plan
	Paddy Field
	Waterway
	Fence
	Existing Road
	Tree



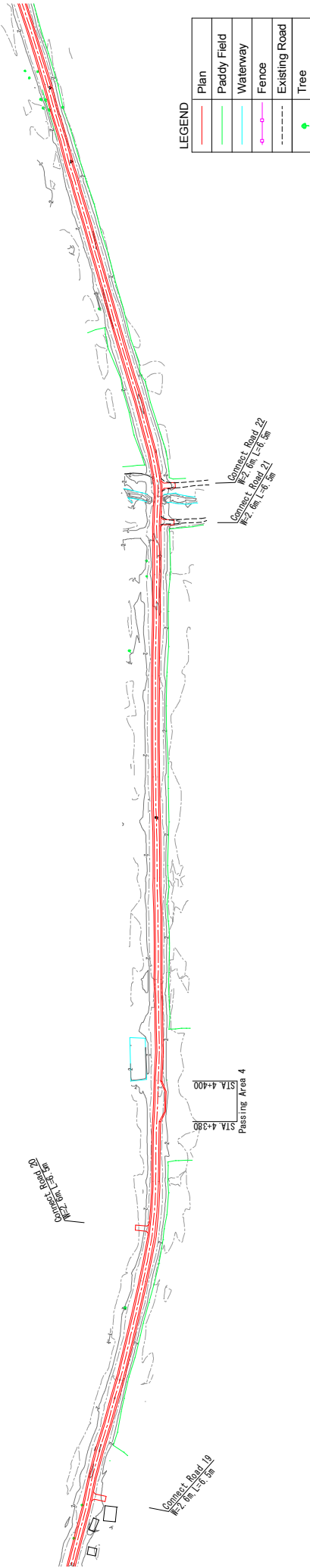
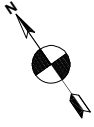
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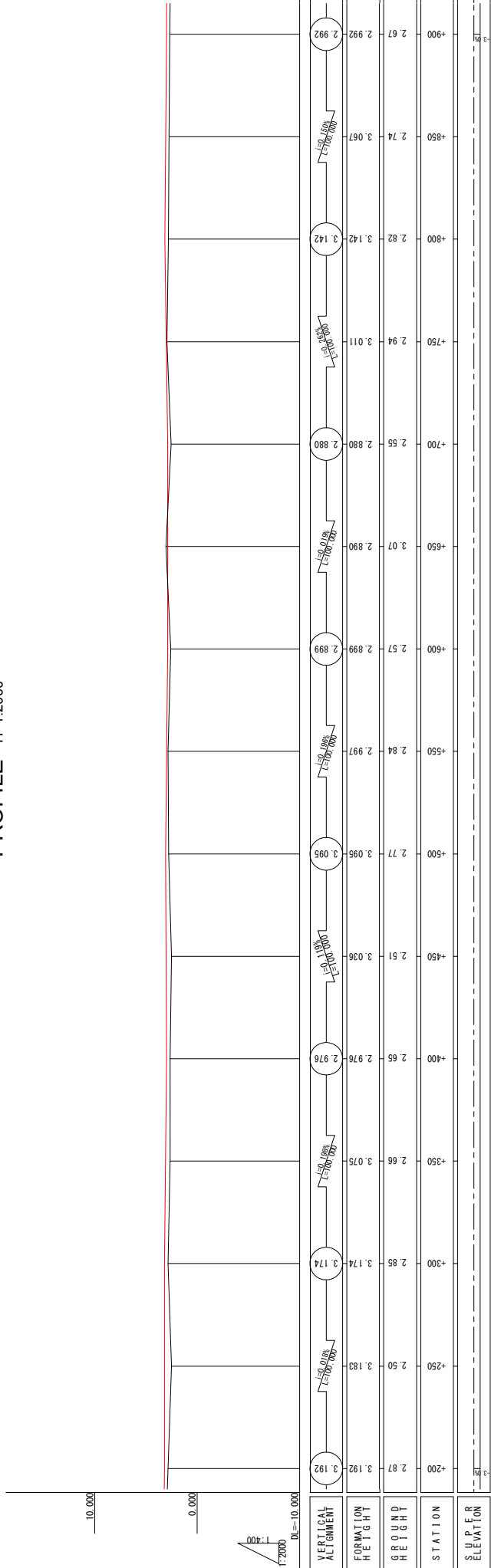
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# PLAN & PROFILE (7/18)

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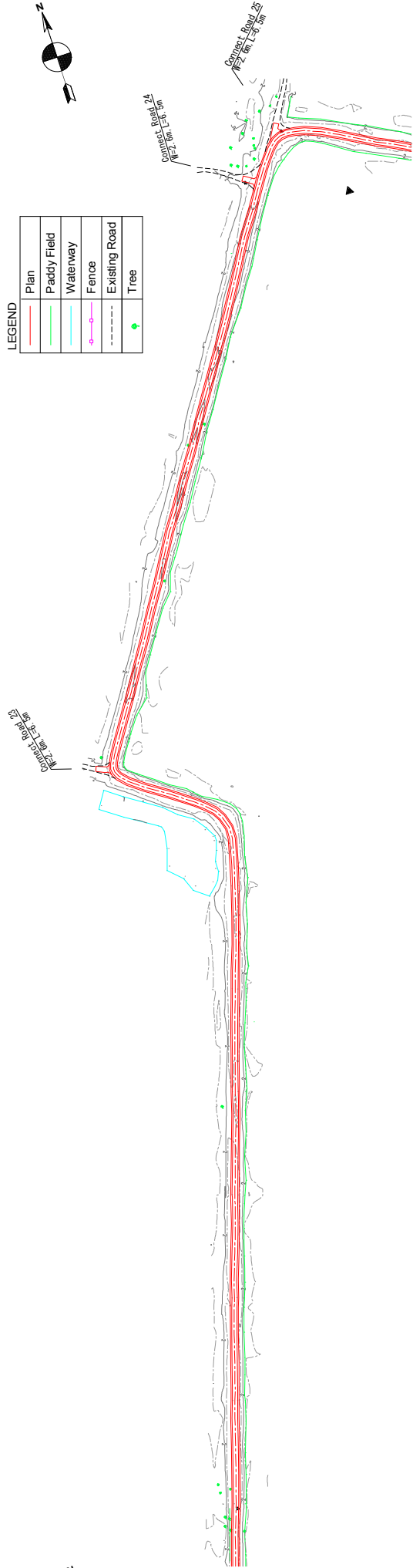
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THE REPUBLIC OF THE UNION OF MYANMAR  AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY 		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Sit Sai Htone Village Tract Route Sit Sai Htone		SHEET CONTENTS PLAN & PROFILE (7/18) STA.4+200 ~ STA.4+900		SCALE	As Shown	
	YACHIYO ENGINEERING CO., LTD. 		NIPPON KOEI CO., LTD. 						DATE	DEC 2018	
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# PLAN & PROFILE (8/18)

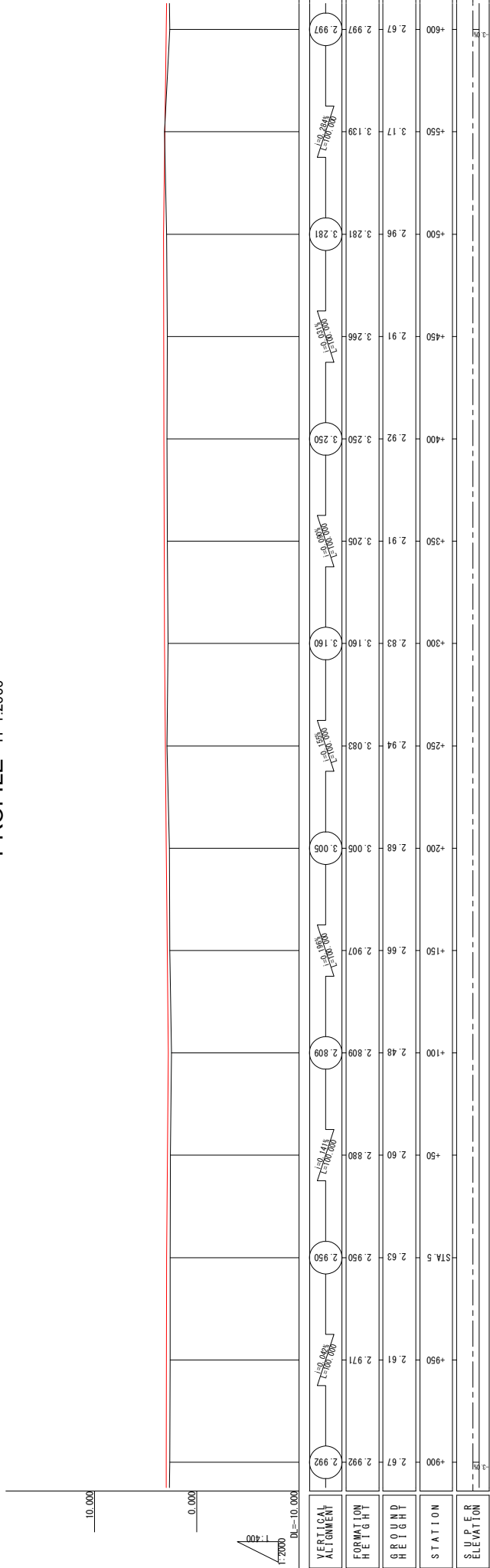
PLAN S=1:2000



LEGEND

	Plan
	Paddy Field
	Waterway
	Fence
	Existing Road
	Tree

PROFILE V=1:400  
H=1:2000

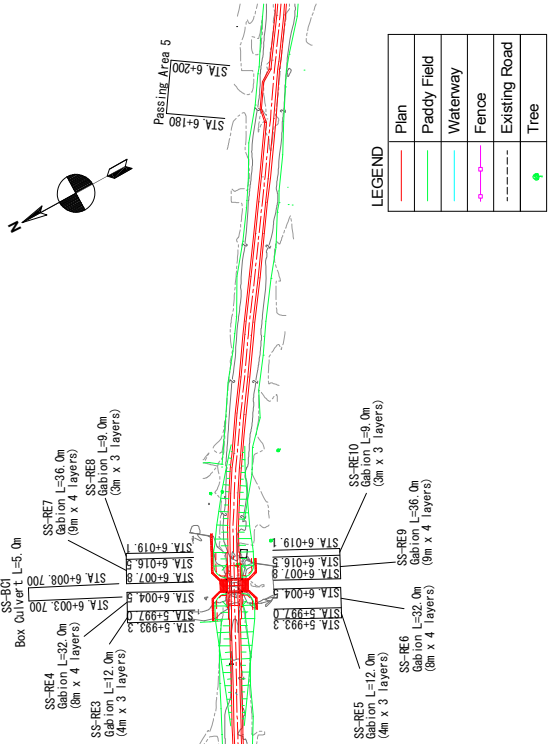


THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		SHEET CONTENTS PLAN & PROFILE (8/18) STA.4+900 ~ STA.5+600		SCALE As Shown
	Sit Sali Htone Village Tract Route Sit Sali Htone		DATE DEC 2018		PAGE NO. 14 / 129		

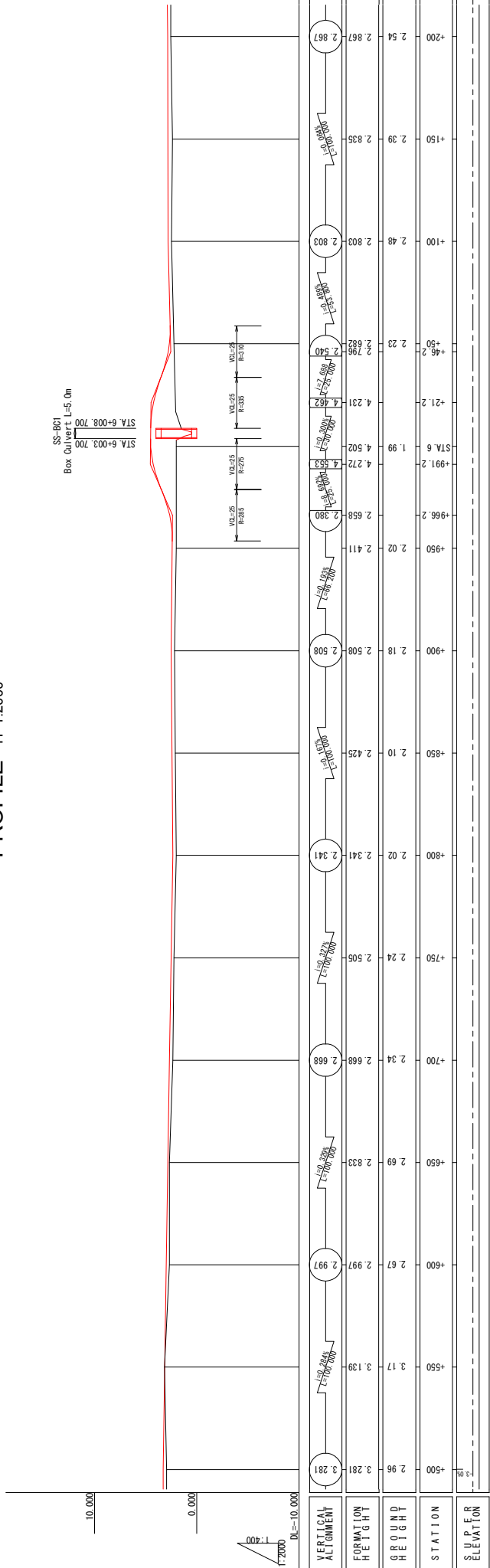


# PLAN & PROFILE (9/18)

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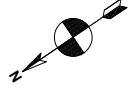
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THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Sit Sali Htone Village Tract Route Sit Sali Htone		SHEET CONTENTS PLAN & PROFILE (9/18) STA.5+600 ~ STA.6+300		SCALE	As Shown	
									DATE	DEC 2018	
										PAGE NO.	15 / 129

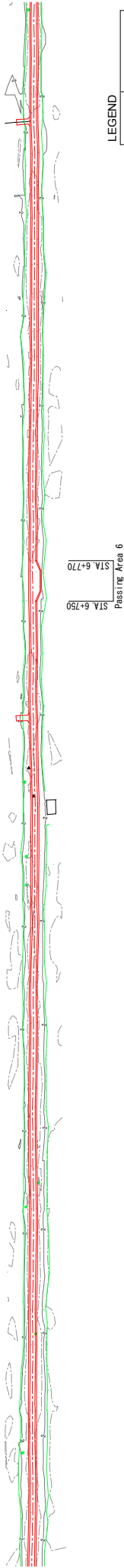
# PLAN & PROFILE (10/18)

PLAN S=1:2000



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ရပ်ကွက်၊ ၁၅၀၀

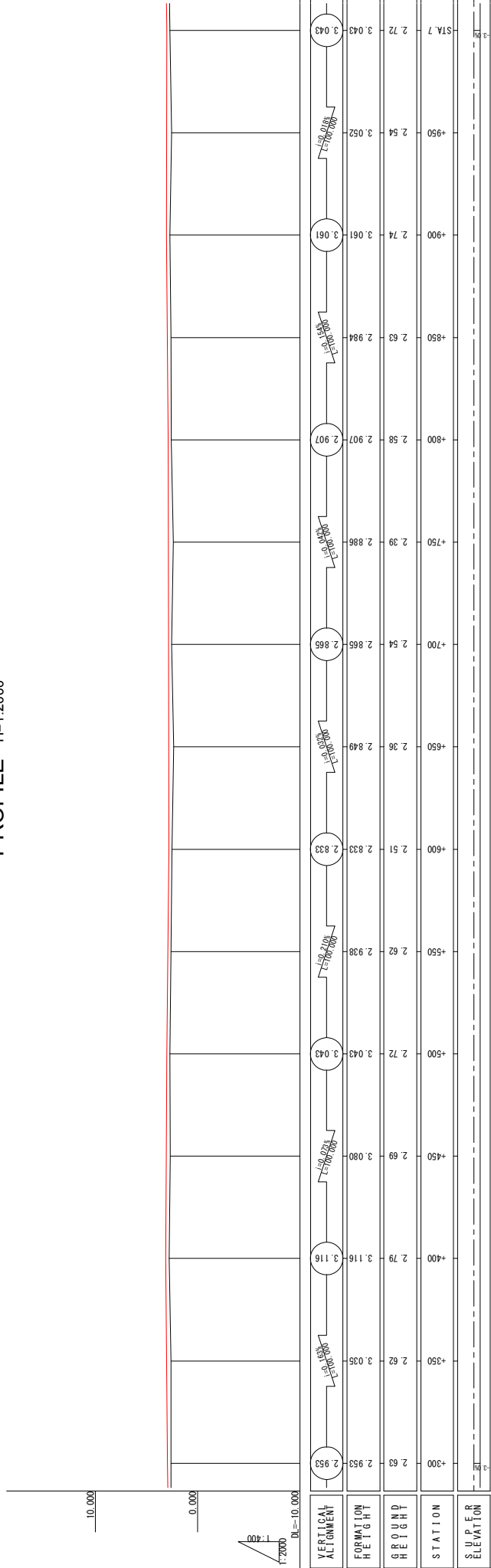
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ရပ်ကွက်၊ ၁၅၀၀



LEGEND

	Plan
	Paddy Field
	Waterway
	Fence
	Existing Road
	Tree

PROFILE V=1:400  
H=1:2000



THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		SHEET CONTENTS PLAN & PROFILE (10/18) STA.6+300 ~ STA.7+000		SCALE As Shown
	Sii Sali Htone Village Tract Route Sii Sali Htone		DATE DEC 2018		PAGE NO. 16 / 129		

# PLAN & PROFILE (11/18)

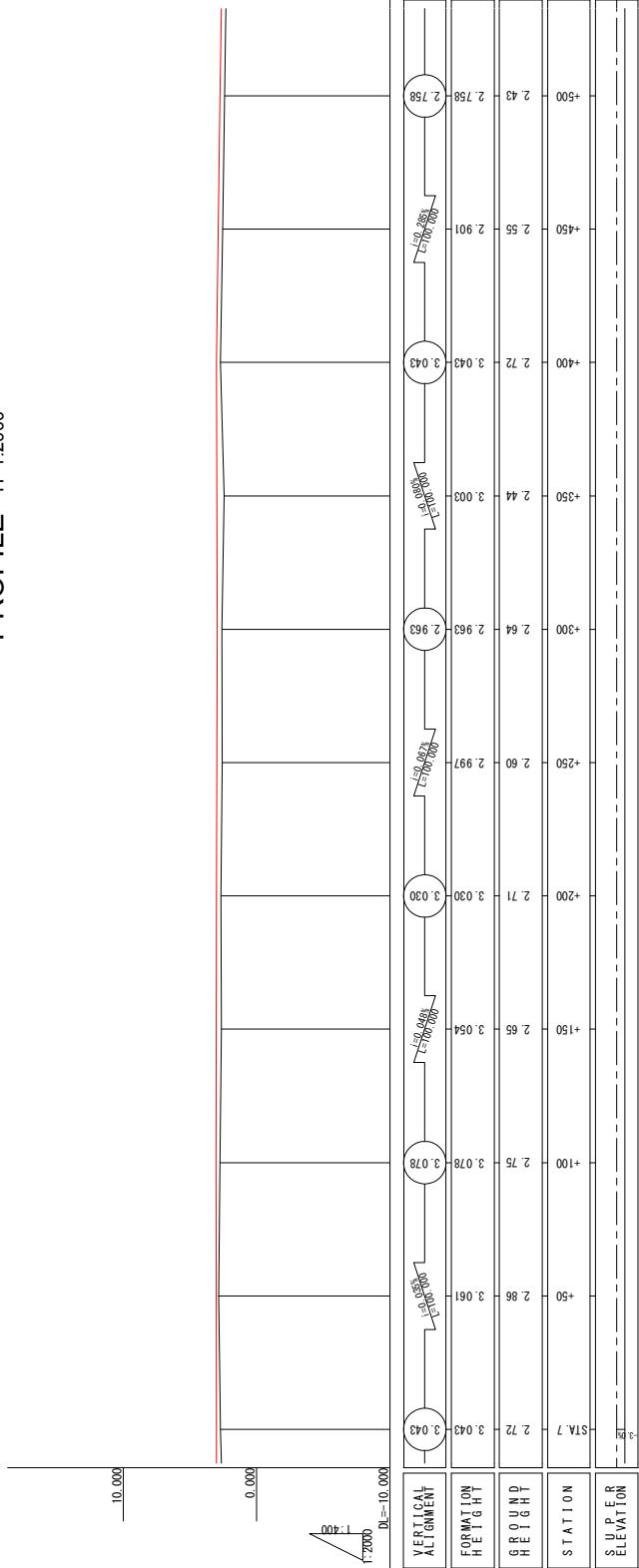
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LEGEND

	Plan
	Paddy Field
	Waterway
	Fence
	Existing Road
	Tree

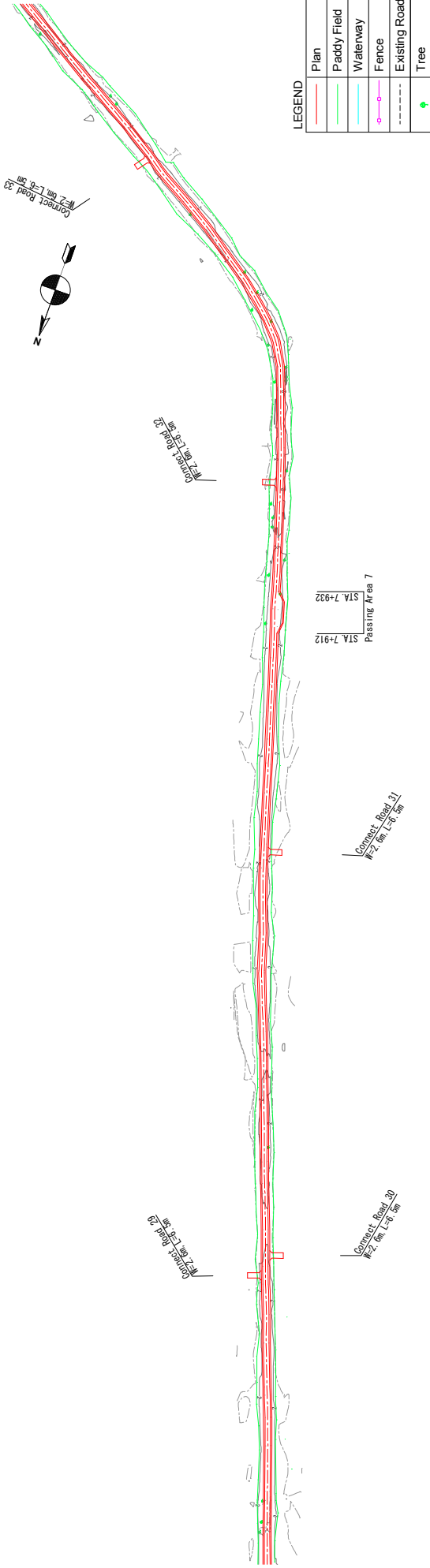
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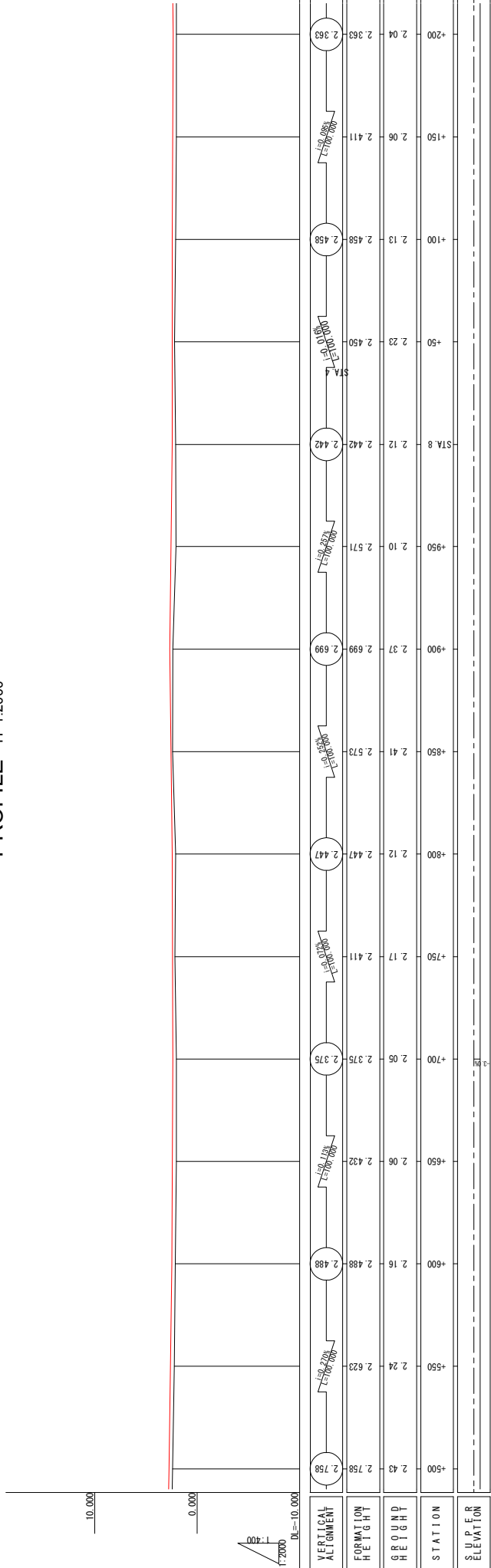
THE REPUBLIC OF THE UNION OF MYANMAR AYE YARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Sit Sali Htone Village Tract Route Sit Sali Htone	SHEET CONTENTS PLAN & PROFILE (11/18) STA.7+000 ~ STA.7+500	SCALE DATE PAGE NO.	As Shown DEC 2018 17 / 129

# PLAN & PROFILE (12/18)

PLAN S=1:2000



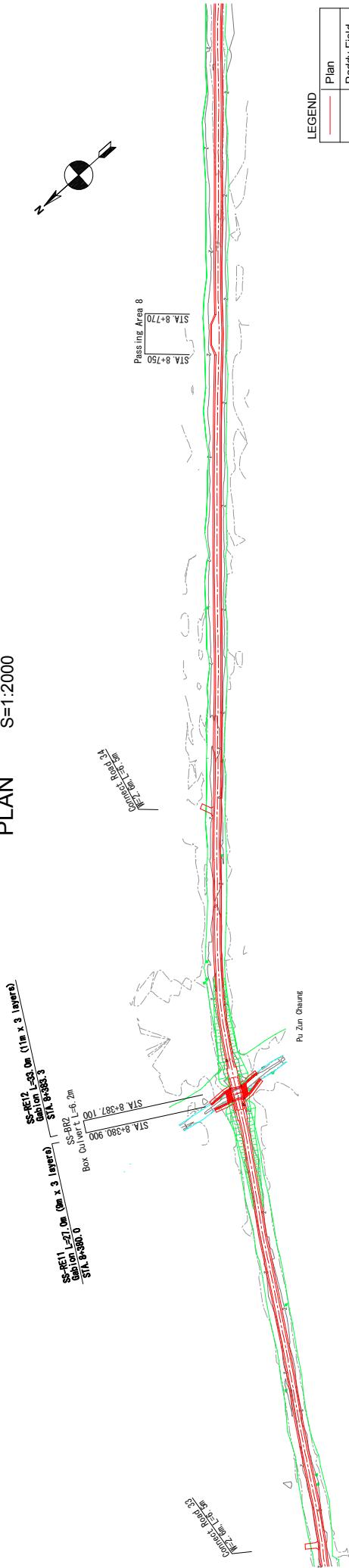
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THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		SHEET CONTENTS PLAN & PROFILE (12/18) STA.7+500 ~ STA.8+200		SCALE As Shown
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# PLAN & PROFILE (13/18)

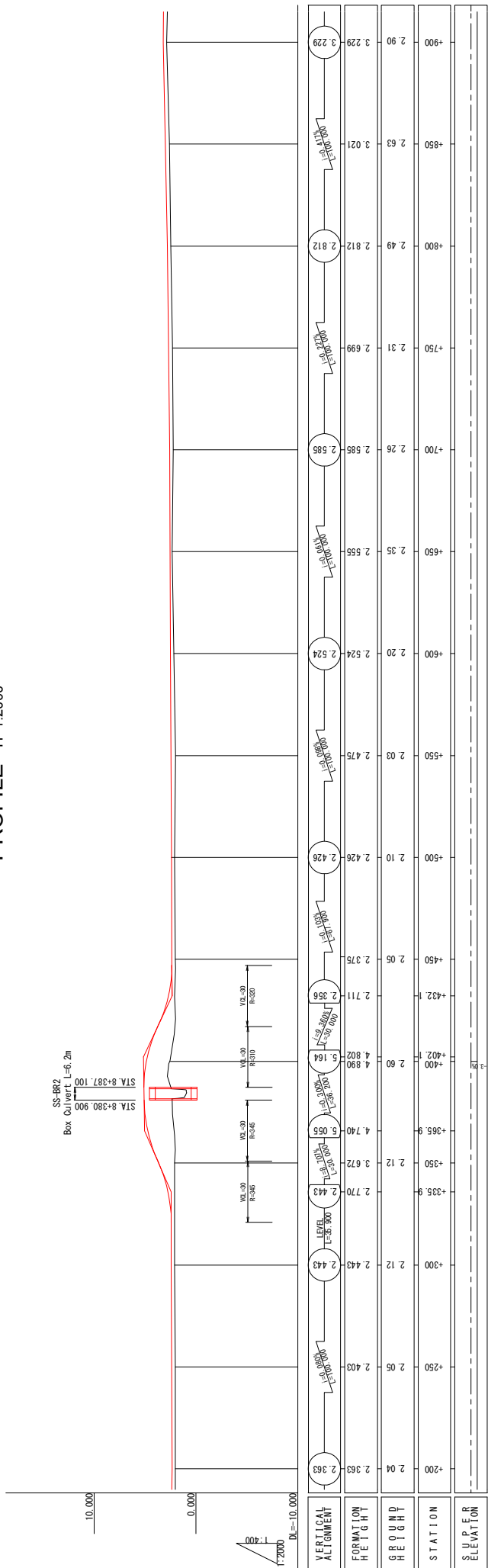
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**LEGEND**

	Plan
	Paddy Field
	Waterway
	Fence
	Existing Road
	Tree

PROFILE V=1: 400  
H=1:2000



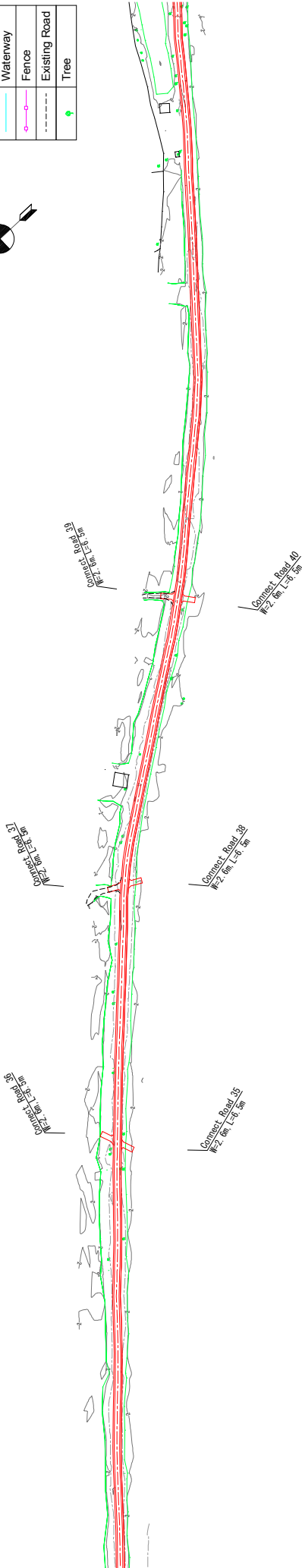
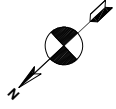
THE REPUBLIC OF THE UNION OF MYANMAR  AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY 		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		SHEET CONTENTS PLAN & PROFILE (13/18) STA.8+200 ~ STA.8+900		SCALE As Shown
	YACHIYO ENGINEERING CO., LTD. 		NIPPON KOEI CO., LTD. 		Sit Sali Htone Village Tract Route Sit Sali Htone	DATE DEC 2018	PAGE NO. 19 / 129

# PLAN & PROFILE (14/18)

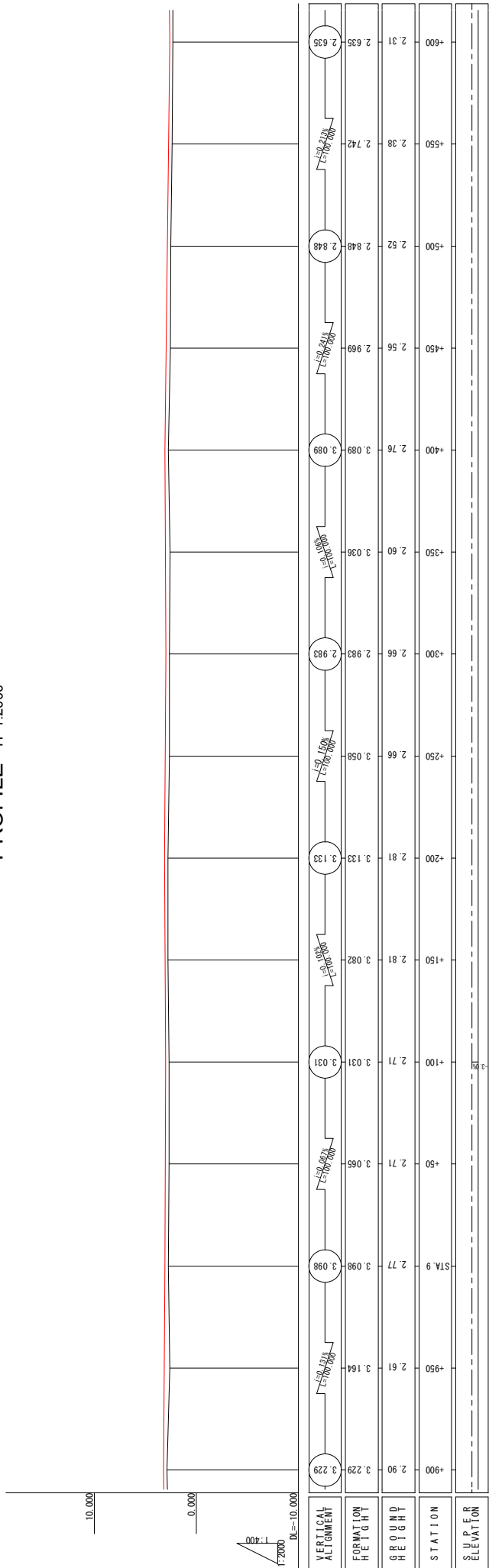
PLAN S=1:2000

LEGEND

Plan	—
Paddy Field	—
Waterway	—
Fence	—
Existing Road	—
Tree	—



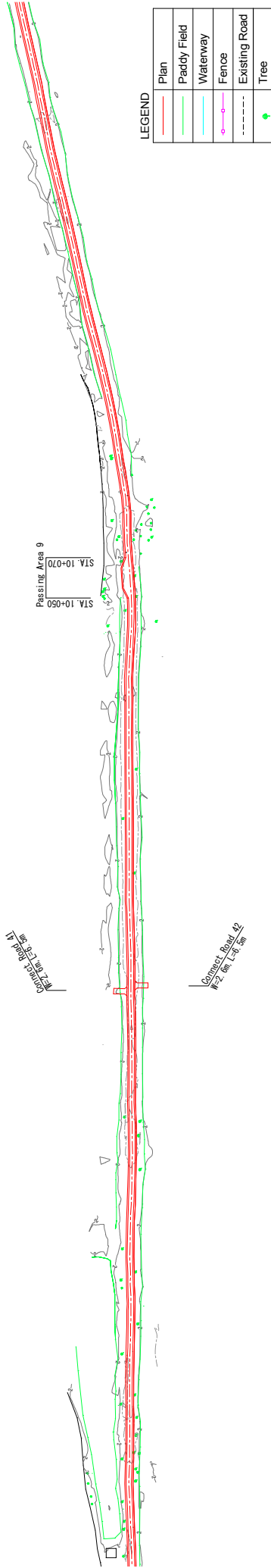
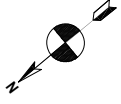
PROFILE V=1:400  
H=1:2000



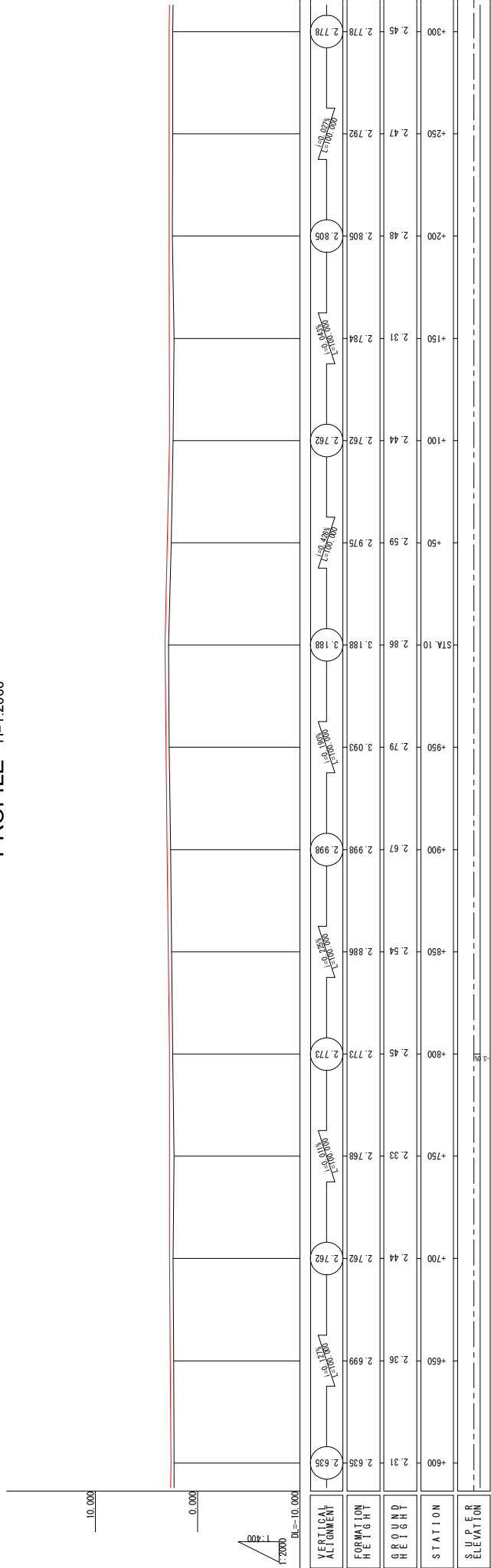
THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		SHEET CONTENTS		SCALE	As Shown
		Route Sit Sai Htone		PLAN & PROFILE (14/18) STA.8+900 ~ STA.9+600		DATE	DEC 2018
		Sit Sai Htone Village Tract				PAGE NO.	20 / 129

# PLAN & PROFILE (15/18)

PLAN S=1:2000



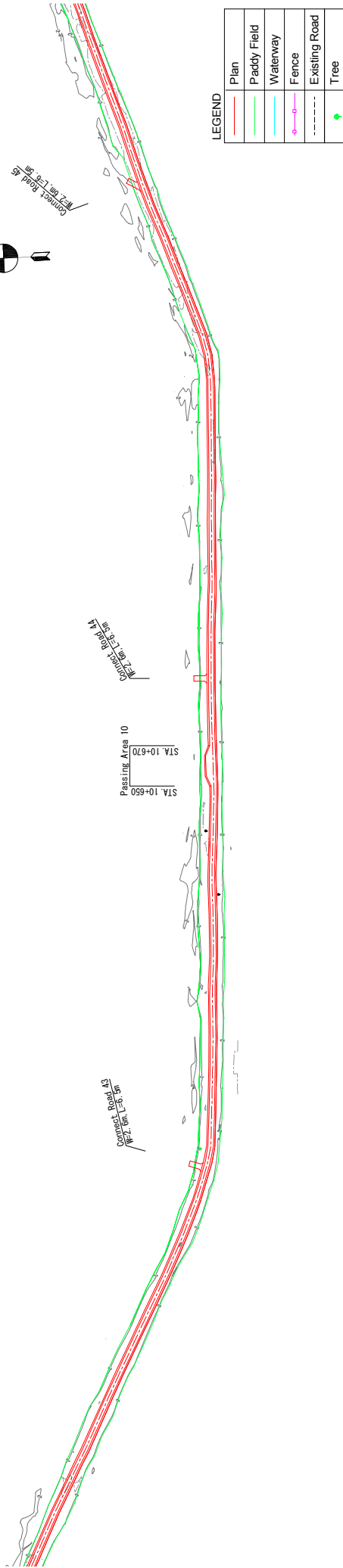
PROFILE V=1:400  
H=1:2000



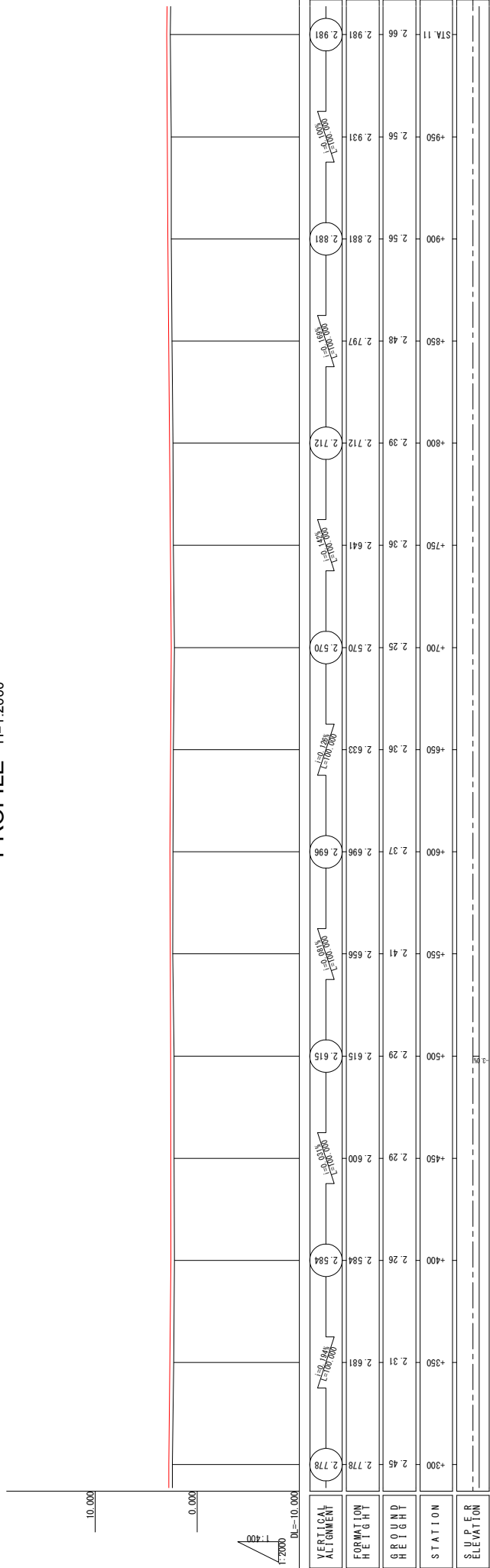
THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		SHEET CONTENTS PLAN & PROFILE (15/18) STA.9+600 ~ STA.10+300		SCALE As Shown
	Sit Sali Htone Village Tract Route Sit Sali Htone		DATE DEC 2018		PAGE NO. 21 / 129		

# PLAN & PROFILE (16/18)

PLAN S=1:2000



PROFILE V=1:400  
H=1:2000



THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY 		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		SHEET CONTENTS PLAN & PROFILE (16/18) STA. 10+300 ~ STA. 11+000		SCALE As Shown
	YACHIYO ENGINEERING CO., LTD. 		Sit Sali Htone Village Tract Route Sit Sali Htone		DATE DEC 2018	PAGE NO. 22 / 129	

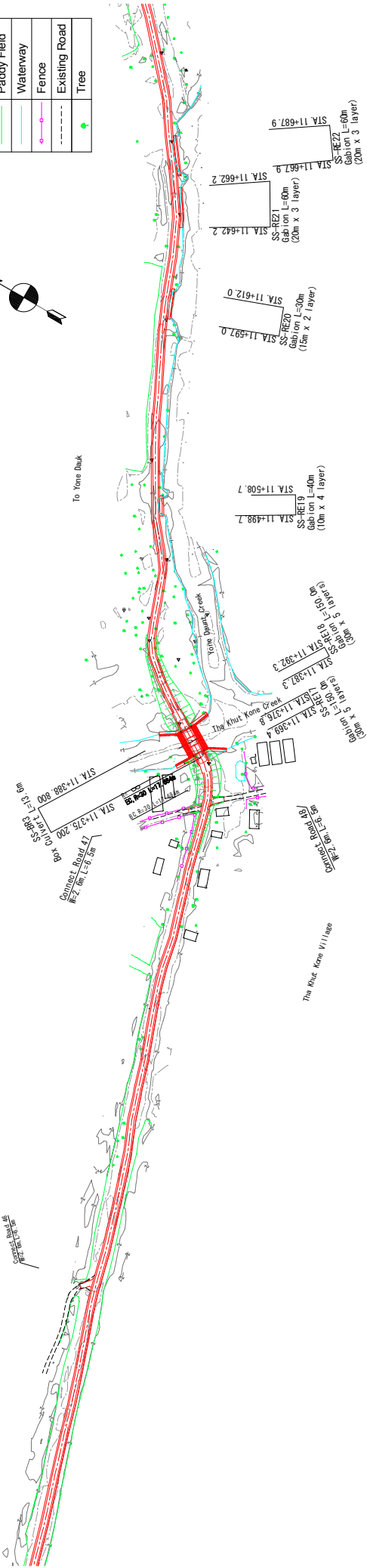
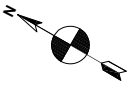


# PLAN & PROFILE (17/18)

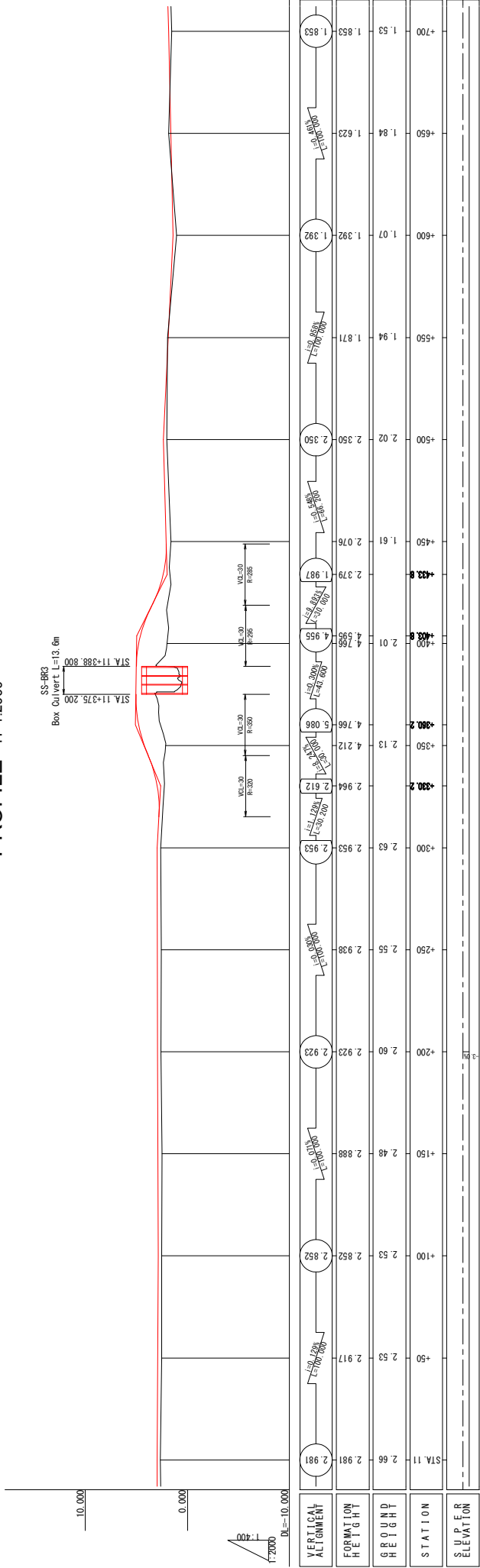
PLAN S=1:2000

**LEGEND**

	Plan
	Paddy Field
	Waterway
	Fence
	Existing Road
	Tree



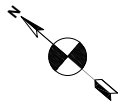
## PROFILE V=1:400 H=1:2000



THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Sit Sali Htone Village Tract Route Sit Sali Htone	SHEET CONTENTS PLAN & PROFILE (17/18) STA.11+200 ~ STA.11+825.8	SCALE DATE PAGE NO.	As Shown DEC 2018 23 / 129

# PLAN & PROFILE (18/18)

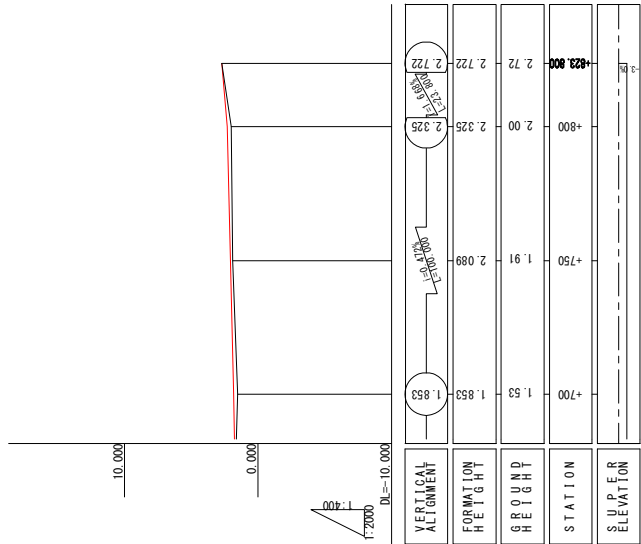
PLAN S=1:2000



LEGEND

	Plan
	Paddy Field
	Waterway
	Fence
	Existing Road
	Tree

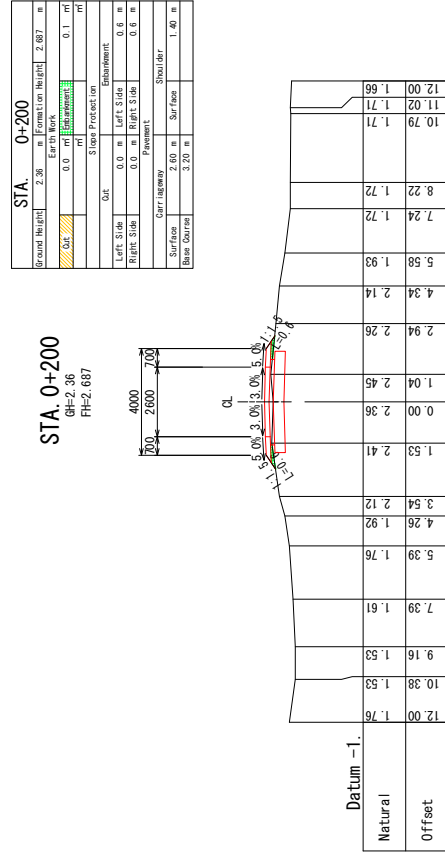
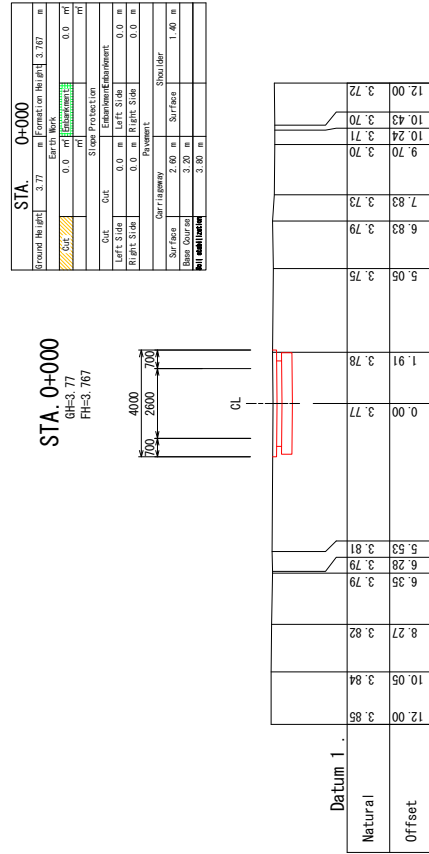
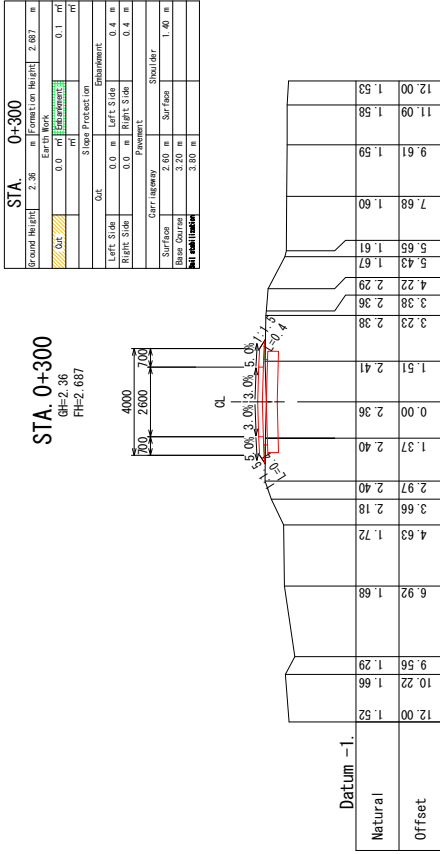
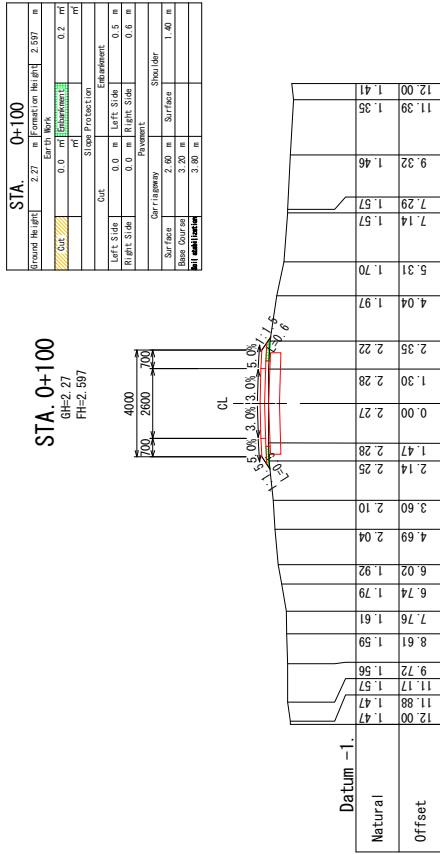
PROFILE V=1: 400  
H=1:2000



A8-137

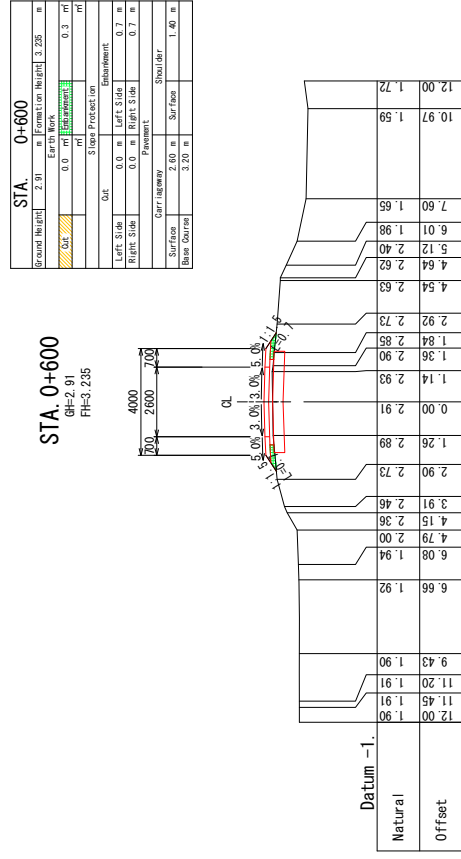
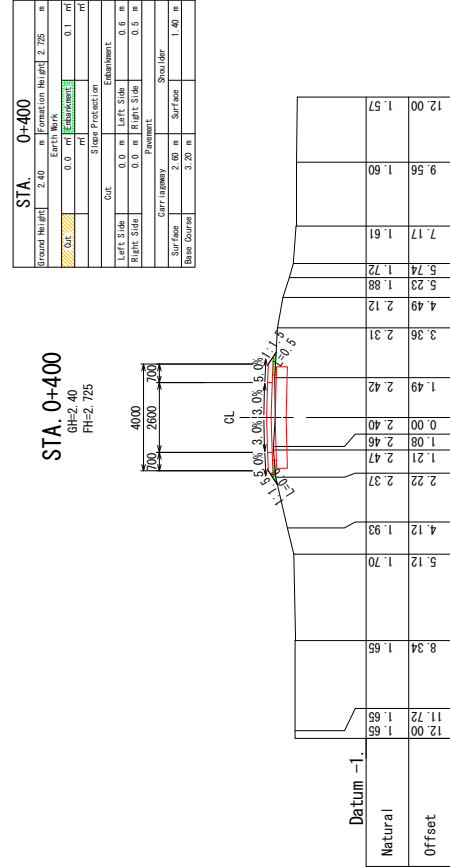
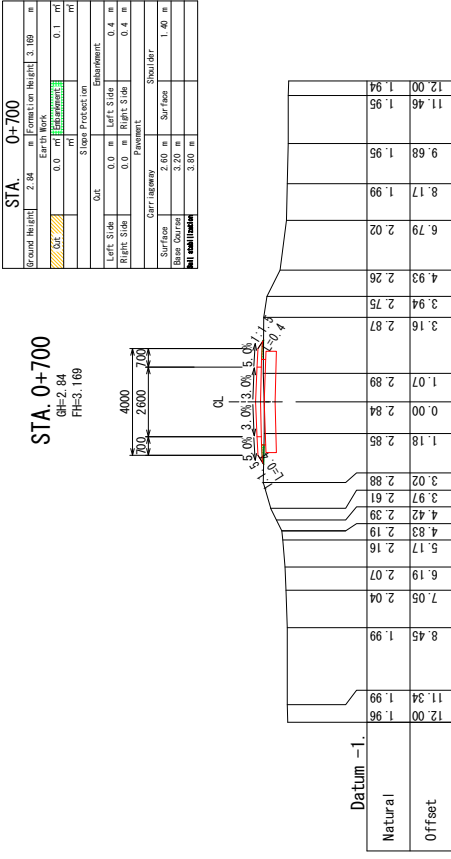
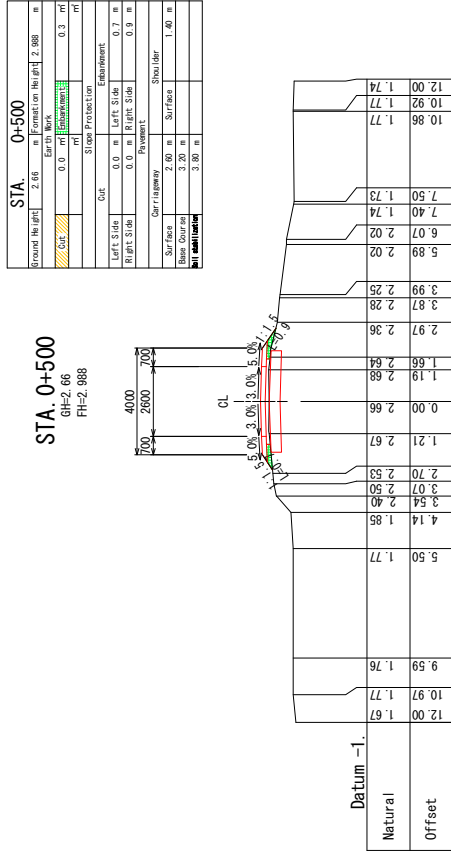
THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Sit Sali Htone Village Tract Route Sit Sali Htone	SHEET CONTENTS PLAN & PROFILE (18/18) STA.11+700 ~ STA.11+825.8	SCALE DATE PAGE NO.	As Shown DEC 2018 24 / 129

# CROSS SECTION (1/30)

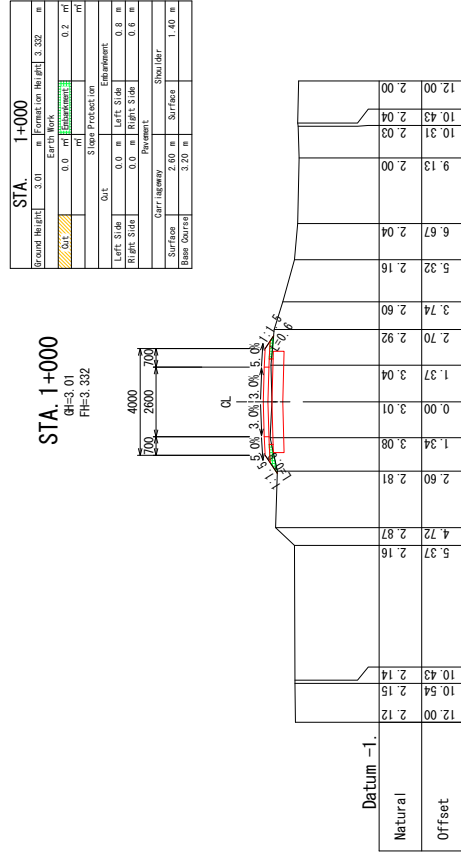
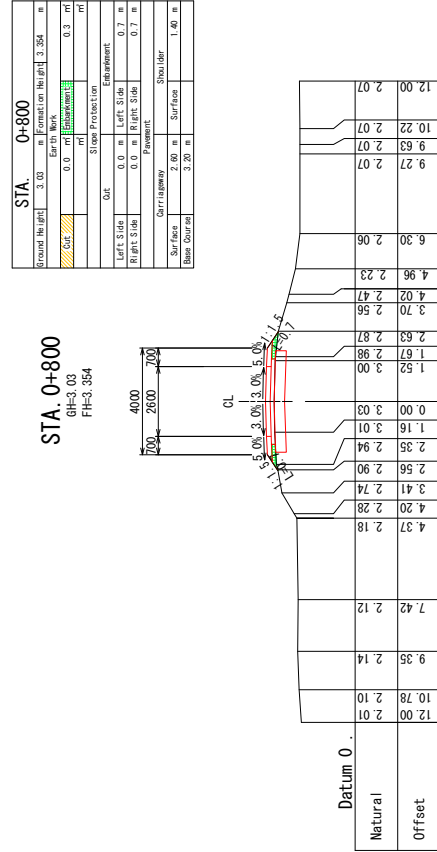
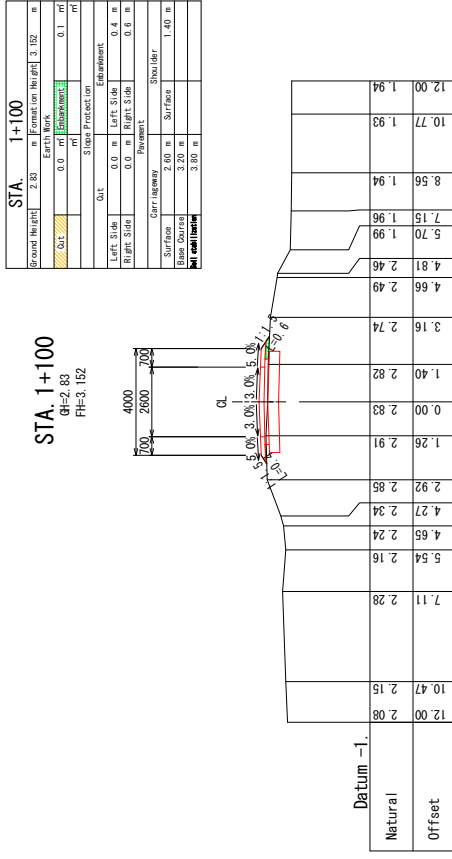
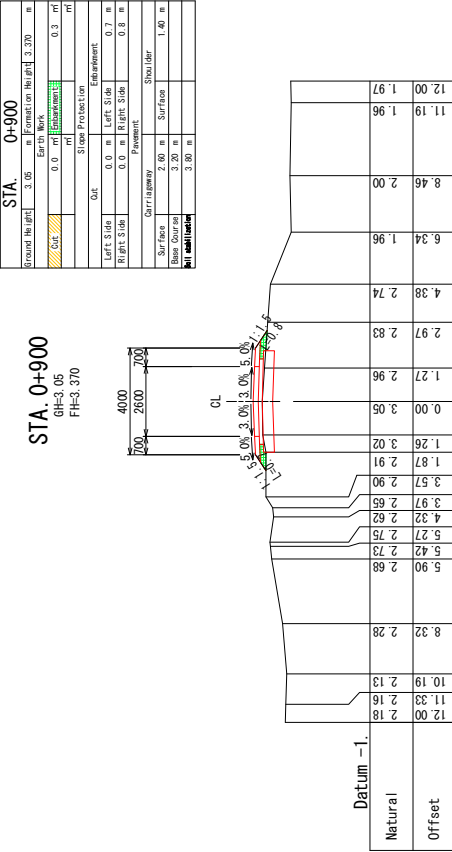


 THE REPUBLIC OF THE UNION OF MYANMAR  AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY  YACHIYO ENGINEERING CO., LTD.  NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Sit Sali Htone Village Tract  Route Sit Sali Htone	SHEET CONTENTS  CROSS SECTION STA.0+000 ~ STA.0+300	SCALE S=1:200
		DATE DEC 2018	PAGE NO. 25 / 129			

# CROSS SECTION (2/30)



# CROSS SECTION (3/30)

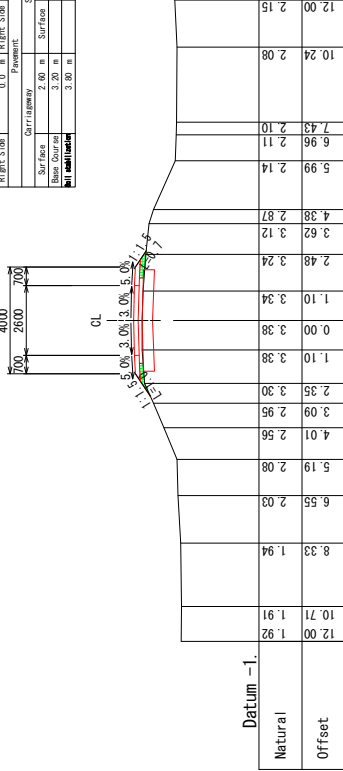


 THE REPUBLIC OF THE UNION OF MYANMAR	JAPAN INTERNATIONAL COOPERATION AGENCY  YACHIOY ENGINEERING CO., LTD.  NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Sit Sai Htone Village Tract Route Sit Sai Htone	SHEET CONTENTS CROSS SECTION STA.0+800 ~ STA.1+100	SCALE S=1:200
		AYEYARWADY REGION	DATE DEC 2018	PAGE NO. 27 / 129		

# CROSS SECTION (4/30)

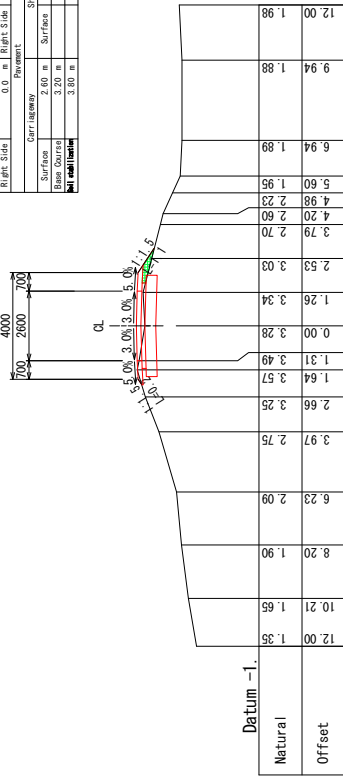
<b>STA. 1+300</b>	
Ground Height	3.38 m
Formation Height	3.704 m
Earth Work	0.0 m <sup>3</sup>
Cut	0.0 m <sup>3</sup>
Fill	0.0 m <sup>3</sup>
Subgrade	0.0 m
Shoulder	1.40 m
Surface	2.80 m
Base Course	3.20 m
Subgrade	3.80 m

**STA. 1+300**  
GH=3.38  
FH=3.704



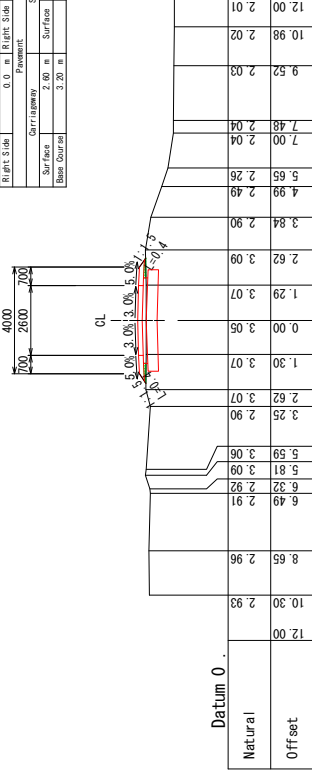
<b>STA. 1+500</b>	
Ground Height	3.28 m
Formation Height	3.602 m
Earth Work	0.0 m <sup>3</sup>
Cut	0.0 m <sup>3</sup>
Fill	0.0 m <sup>3</sup>
Subgrade	0.0 m
Shoulder	1.40 m
Surface	2.80 m
Base Course	3.20 m
Subgrade	3.80 m

**STA. 1+500**  
GH=3.28  
FH=3.602



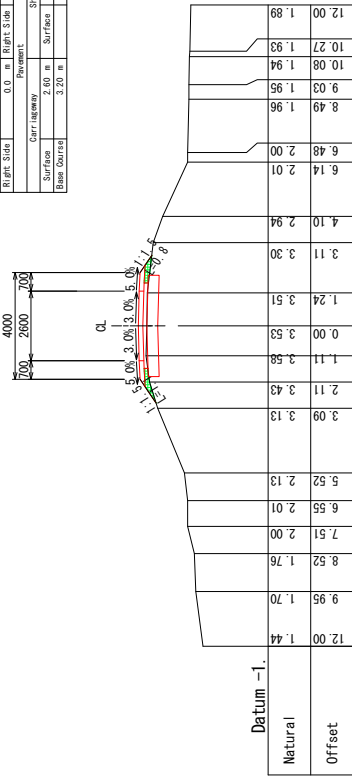
<b>STA. 1+200</b>	
Ground Height	3.05 m
Formation Height	3.379 m
Earth Work	0.0 m <sup>3</sup>
Cut	0.0 m <sup>3</sup>
Fill	0.0 m <sup>3</sup>
Subgrade	0.0 m
Shoulder	1.40 m
Surface	2.80 m
Base Course	3.20 m
Subgrade	3.80 m

**STA. 1+200**  
GH=3.05  
FH=3.379



<b>STA. 1+400</b>	
Ground Height	3.52 m
Formation Height	3.857 m
Earth Work	0.0 m <sup>3</sup>
Cut	0.0 m <sup>3</sup>
Fill	0.0 m <sup>3</sup>
Subgrade	0.0 m
Shoulder	1.40 m
Surface	2.80 m
Base Course	3.20 m
Subgrade	3.80 m

**STA. 1+400**  
GH=3.53  
FH=3.857



THE REPUBLIC OF THE UNION OF MYANMAR

AYEYARWADY REGION



JAPAN INTERNATIONAL COOPERATION AGENCY  
YACHIYO ENGINEERING CO., LTD.  
NIPPON KOEI CO., LTD.

THE PROJECT FOR  
RURAL INFRASTRUCTURE DEVELOPMENT  
IN LOCAL AREAS

Sit Sai Htone Village Tract  
Route Sit Sai Htone

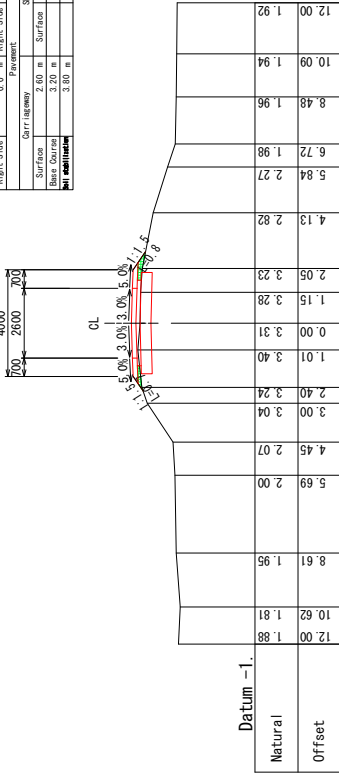
SHEET CONTENTS  
CROSS SECTION  
STA.1+200 ~ STA.1+500

SCALE S=1:200  
DATE DEC 2018  
PAGE NO. 28 / 129

# CROSS SECTION (5/30)

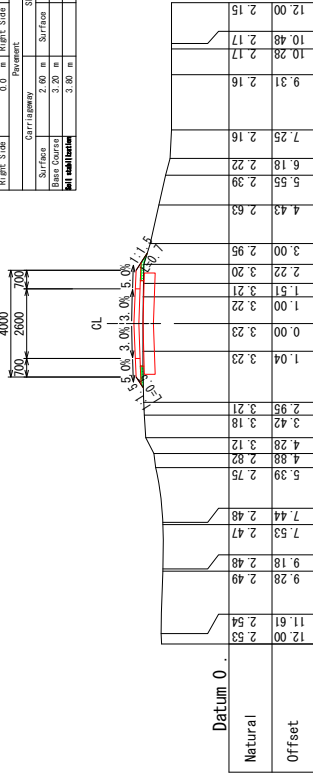
**STA. 1+700**  
 GH=3.31  
 FH=3.6352

Ground Height	3.31	m	Formation Height	3.632	m
Earth Work	0.0	m	Embankment	0.2	m
Out	0.0	m	Embankment	0.2	m
Slope Protection					
Out					
Left Side	0.0	m	Left Side	0.7	m
Right Side	0.0	m	Right Side	0.8	m
Pavement					
Carriageway	2.60	m	Shoulder	1.40	m
Surface	3.20	m	Surface		
Base Course	3.80	m			



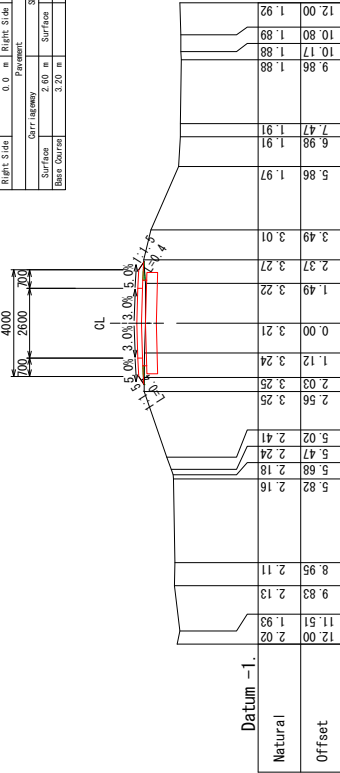
**STA. 1+900**  
 GH=3.23  
 FH=3.556

Ground Height	3.23	m	Formation Height	3.556	m
Earth Work	0.0	m	Embankment	0.2	m
Out	0.0	m	Embankment	0.2	m
Slope Protection					
Out					
Left Side	0.0	m	Left Side	0.5	m
Right Side	0.0	m	Right Side	0.7	m
Pavement					
Carriageway	2.60	m	Shoulder	1.40	m
Surface	3.20	m	Surface		
Base Course	3.80	m			



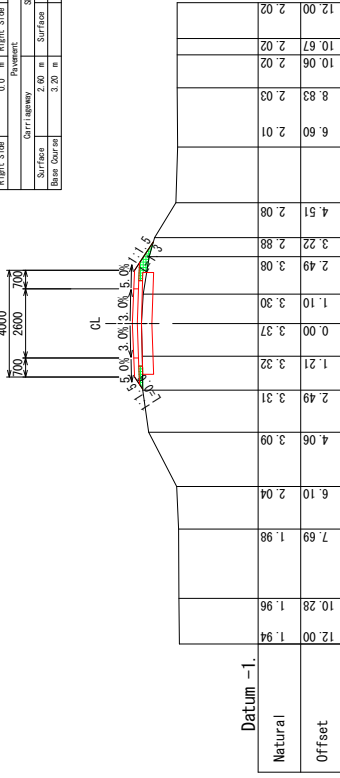
**STA. 1+600**  
 GH=3.21  
 FH=3.556

Ground Height	3.21	m	Formation Height	3.556	m
Earth Work	0.0	m	Embankment	0.1	m
Out	0.0	m	Embankment	0.1	m
Slope Protection					
Out					
Left Side	0.0	m	Left Side	0.8	m
Right Side	0.0	m	Right Side	0.4	m
Pavement					
Carriageway	2.60	m	Shoulder	1.40	m
Surface	3.20	m	Surface		
Base Course	3.20	m			



**STA. 1+800**  
 GH=3.37  
 FH=3.695

Ground Height	3.37	m	Formation Height	3.695	m
Earth Work	0.0	m	Embankment	0.4	m
Out	0.0	m	Embankment	0.4	m
Slope Protection					
Out					
Left Side	0.0	m	Left Side	0.6	m
Right Side	0.0	m	Right Side	1.3	m
Pavement					
Carriageway	2.60	m	Shoulder	1.40	m
Surface	3.20	m	Surface		
Base Course	3.20	m			



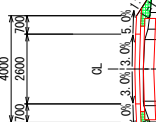




# CROSS SECTION (7/30)

**STA. 2+700**  
 Ground Height: 3.26 m Formation Height: 3.588 m  
 Earth Work: 0.0 m<sup>3</sup> Embankment: 0.5 m<sup>3</sup>  
 Cut: 0.0 m<sup>3</sup> Slope Protection: 0.0 m<sup>2</sup>  
 Left Side: 0.0 m Left Side: 0.9 m  
 Right Side: 0.0 m Right Side: 1.0 m  
 Pavement: 0.0 m  
 Carriageway: 3.0 m Surface: 1.40 m  
 Base Course: 3.20 m  
 Bit Seal Coat: 3.85 m

**STA. 2+700**  
 GH=3.26  
 FH=3.588

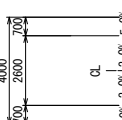


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Natural	2.51	2.95	2.31	2.29	2.65	2.90	3.00	3.26	3.26	3.03	2.74	2.88	2.73	2.75	2.75	2.29	2.18	2.06	1.95
Offset																			

Datum -1.

**STA. 2+500**  
 Ground Height: 2.77 m Formation Height: 3.094 m  
 Earth Work: 0.1 m<sup>3</sup> Embankment: 0.1 m<sup>3</sup>  
 Cut: 0.0 m<sup>3</sup> Slope Protection: 0.0 m<sup>2</sup>  
 Left Side: 0.0 m Left Side: 0.4 m  
 Right Side: 0.0 m Right Side: 0.5 m  
 Pavement: 0.0 m  
 Carriageway: 3.20 m Surface: 1.40 m  
 Base Course: 3.20 m  
 Bit Seal Coat: 3.80 m

**STA. 2+500**  
 GH=2.77  
 FH=3.094

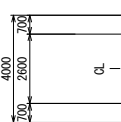


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Natural	1.85	1.86	1.81	1.82	2.05	2.53	2.63	2.67	2.71	2.72	2.72	2.77	2.85	2.85	2.72	2.59	2.61	2.41	2.31	2.25	2.05	2.04	1.72	1.38
Offset																								

Datum -1.

**STA. 2+600**  
 Ground Height: 3.10 m Formation Height: 3.426 m  
 Earth Work: 0.2 m<sup>3</sup> Embankment: 0.2 m<sup>3</sup>  
 Cut: 0.0 m<sup>3</sup> Slope Protection: 0.0 m<sup>2</sup>  
 Left Side: 0.0 m Left Side: 0.7 m  
 Right Side: 0.0 m Right Side: 0.6 m  
 Pavement: 0.0 m  
 Carriageway: 3.20 m Surface: 1.40 m  
 Base Course: 3.20 m

**STA. 2+600**  
 GH=3.10  
 FH=3.426

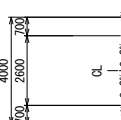


	12.00	11.43	6.70	7.21	4.90	3.01	2.27	1.32	0.00	1.99	2.76	3.23	4.54	6.12	8.15	10.33	10.68	11.88	12.00
Natural	1.94	2.08	2.32	2.08	2.86	3.08	3.02	3.10	3.11	2.93	2.88	2.82	2.43	2.30	2.36	1.87	1.83	1.88	1.88
Offset																			

Datum -1.

**STA. 2+400**  
 Ground Height: 3.19 m Formation Height: 3.520 m  
 Earth Work: 0.3 m<sup>3</sup> Embankment: 0.3 m<sup>3</sup>  
 Cut: 0.0 m<sup>3</sup> Slope Protection: 0.0 m<sup>2</sup>  
 Left Side: 0.0 m Left Side: 0.6 m  
 Right Side: 0.0 m Right Side: 0.8 m  
 Pavement: 0.0 m  
 Carriageway: 3.20 m Surface: 1.40 m  
 Base Course: 3.20 m

**STA. 2+400**  
 GH=3.19  
 FH=3.520

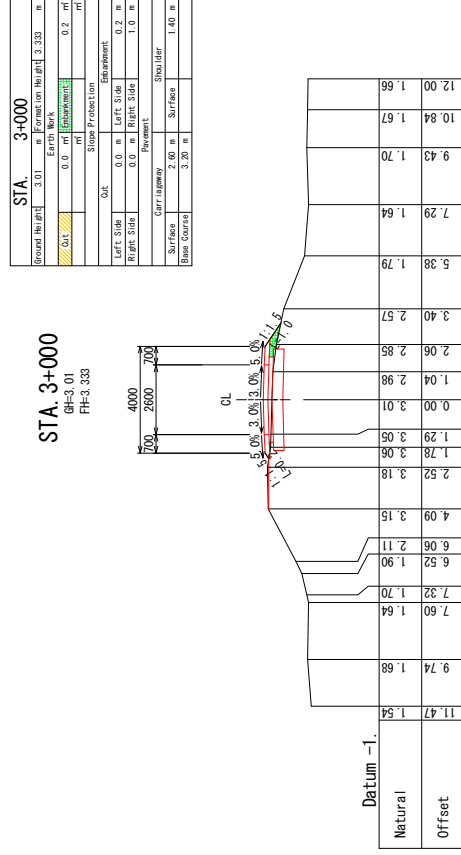
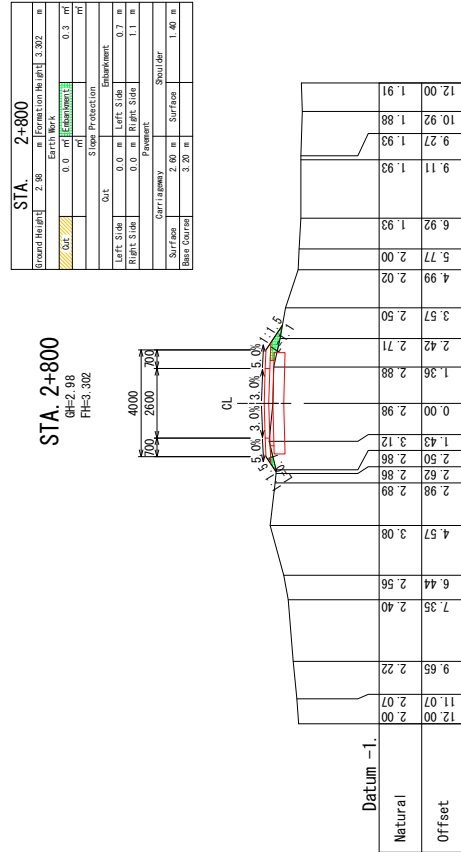
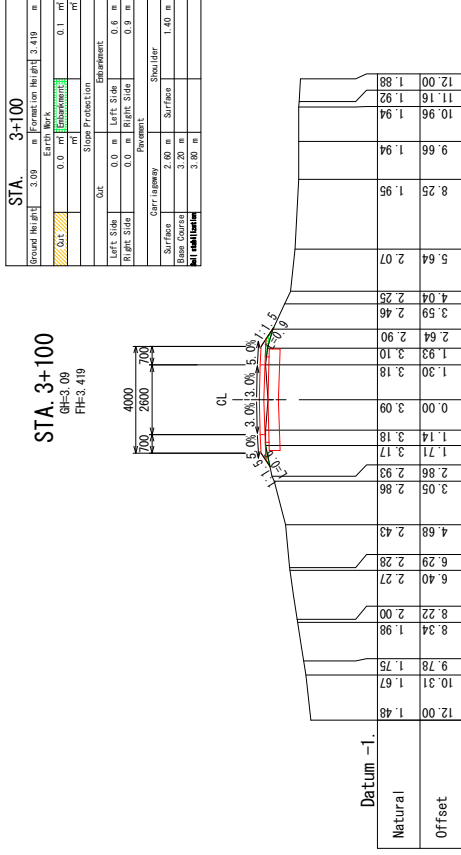
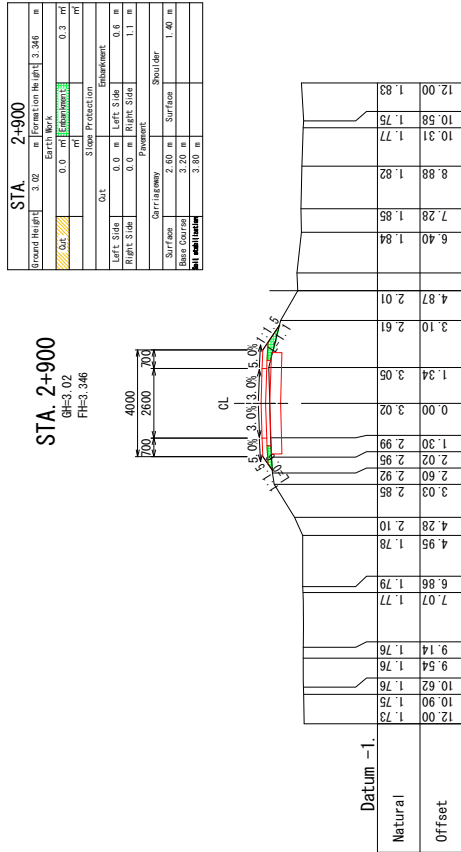


	12.00	11.49	9.65	8.02	6.07	5.95	5.26	4.08	3.46	2.77	2.54	1.38	1.15	0.96	0.36	2.30	2.46	3.35	4.14	4.57	4.57	2.24	2.17	2.19	7.19	7.99	9.96	10.26
Natural	1.93	1.94	1.91	1.90	1.95	1.93	2.18	2.73	2.85	2.97	3.01	3.12	3.15	3.14	3.24	3.12	3.11	3.02	2.87	2.50	2.24	2.17	2.17	2.03	1.99	1.73	1.76	1.38
Offset																												

Datum -1.

 THE REPUBLIC OF THE UNION OF MYANMAR AYE YARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY  YACHIYO ENGINEERING CO., LTD.  NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Sit Sai Htone Village Tract Route Sit Sai Htone	SHEET CONTENTS CROSS SECTION STA.2+400 ~ STA.2+700	SCALE S=1:200
		DATE DEC 2018	PAGE NO. 31 / 129			

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THE REPUBLIC OF THE UNION OF MYANMAR

AYEYARWADY REGION



JAPAN INTERNATIONAL COOPERATION AGENCY  
YACHIYO ENGINEERING CO., LTD.  
NIPPON KOEI CO., LTD.

THE PROJECT FOR  
RURAL INFRASTRUCTURE DEVELOPMENT  
IN LOCAL AREAS

Sit Sai Hone Village Tract  
Route Sit Sai Hone

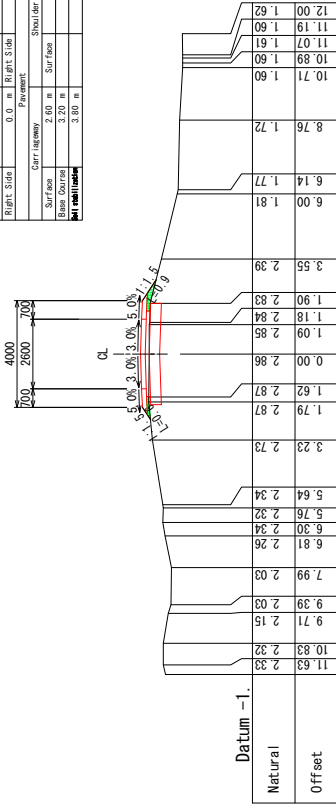
SHEET CONTENTS  
CROSS SECTION  
STA.2+800 ~ STA.3+100

SCALE S=1:200  
DATE DEC 2018  
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# CROSS SECTION (9/30)

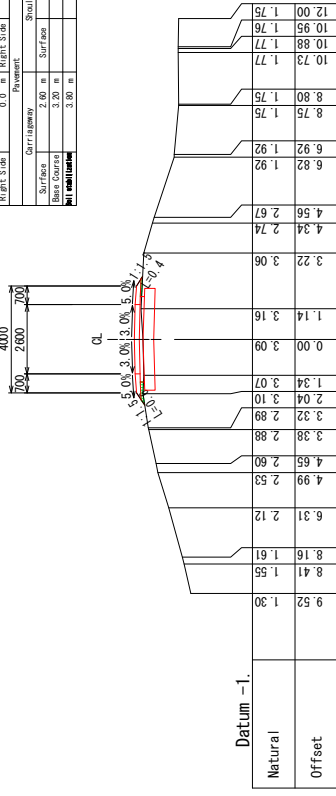
**STA. 3+300**  
 Ground Height: 2.98 m | Formation Height: 3.184 m  
 Earth Work: 0.2 m<sup>3</sup> | Enlargement: 0.2 m  
 Cut: 0.0 m | Slope Protection: 0.0 m  
 Left Side: 0.0 m | Left Side Enlargement: 0.6 m  
 Right Side: 0.0 m | Right Side Enlargement: 0.9 m  
 Pavement: 0.0 m  
 Carriageway: 2.60 m | Surface: 3.20 m | Shoulder: 1.40 m  
 Base Course: 3.20 m | Bit Seal Coat: 3.80 m

**STA. 3+300**  
 GH=2.86  
 FH=3.184



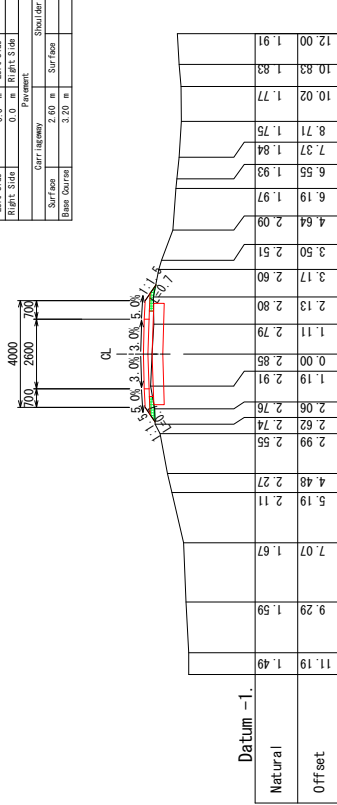
**STA. 3+500**  
 Ground Height: 3.09 m | Formation Height: 3.410 m  
 Earth Work: 0.1 m<sup>3</sup> | Enlargement: 0.1 m  
 Cut: 0.0 m | Slope Protection: 0.0 m  
 Left Side: 0.0 m | Left Side Enlargement: 0.6 m  
 Right Side: 0.0 m | Right Side Enlargement: 0.4 m  
 Pavement: 0.0 m  
 Carriageway: 2.60 m | Surface: 3.20 m | Shoulder: 1.40 m  
 Base Course: 3.20 m | Bit Seal Coat: 3.80 m

**STA. 3+500**  
 GH=3.09  
 FH=3.410



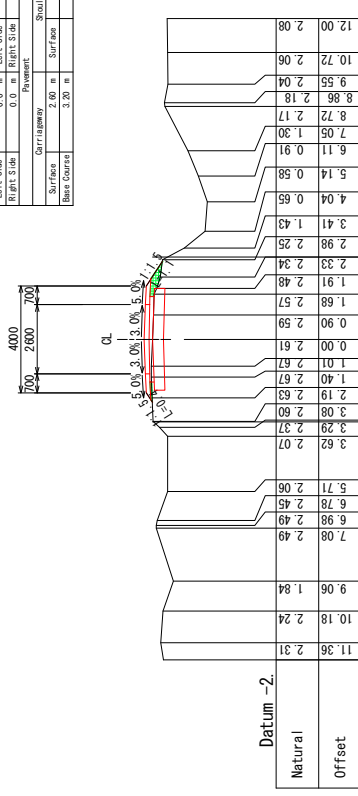
**STA. 3+200**  
 Ground Height: 2.85 m | Formation Height: 3.178 m  
 Earth Work: 0.2 m<sup>3</sup> | Enlargement: 0.2 m  
 Cut: 0.0 m | Slope Protection: 0.0 m  
 Left Side: 0.0 m | Left Side Enlargement: 0.7 m  
 Right Side: 0.0 m | Right Side Enlargement: 0.7 m  
 Pavement: 0.0 m  
 Carriageway: 2.60 m | Surface: 3.20 m | Shoulder: 1.40 m  
 Base Course: 3.20 m

**STA. 3+200**  
 GH=2.85  
 FH=3.178



**STA. 3+400**  
 Ground Height: 2.61 m | Formation Height: 2.935 m  
 Earth Work: 0.3 m<sup>3</sup> | Enlargement: 0.3 m  
 Cut: 0.0 m | Slope Protection: 0.0 m  
 Left Side: 0.0 m | Left Side Enlargement: 0.4 m  
 Right Side: 0.0 m | Right Side Enlargement: 1.1 m  
 Pavement: 0.0 m  
 Carriageway: 2.60 m | Surface: 3.20 m | Shoulder: 1.40 m  
 Base Course: 3.20 m

**STA. 3+400**  
 GH=2.61  
 FH=2.935



THE REPUBLIC OF THE UNION OF MYANMAR

AYEYARWADY REGION



JAPAN INTERNATIONAL COOPERATION AGENCY  
 YACHIYO ENGINEERING CO., LTD.  
 NIPPON KOEI CO., LTD.

THE PROJECT FOR  
 RURAL INFRASTRUCTURE DEVELOPMENT  
 IN LOCAL AREAS

Sit Sai Hone Village Tract  
 Route Sit Sai Hone

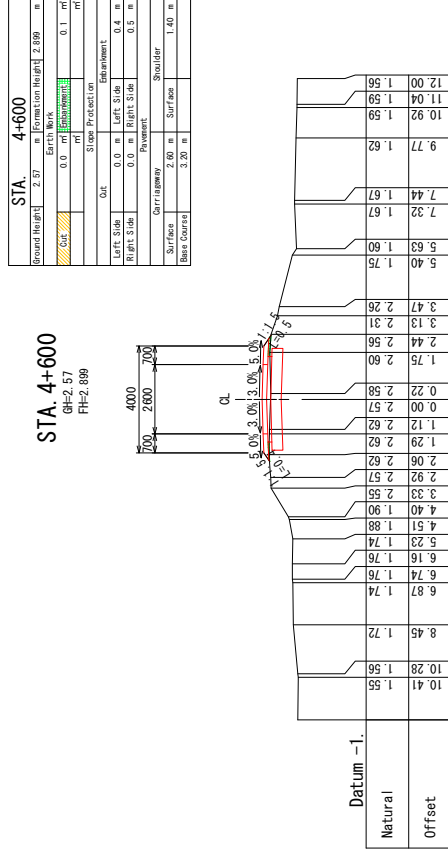
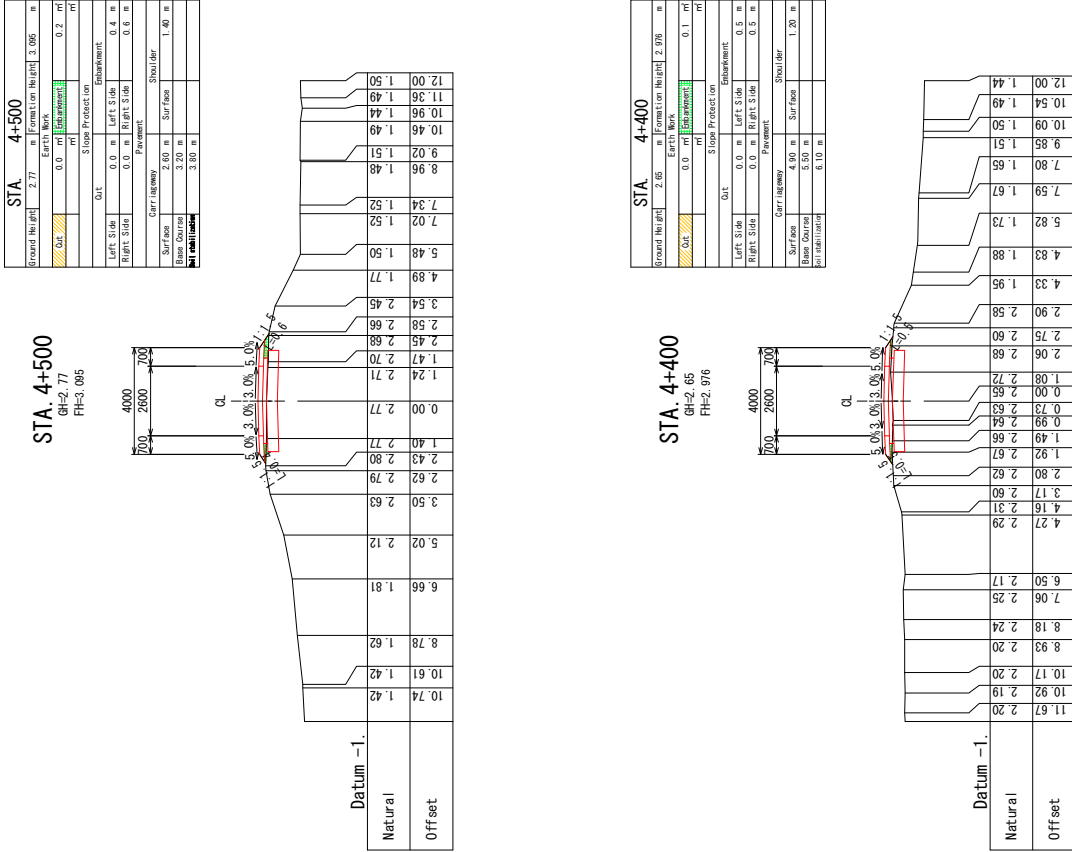
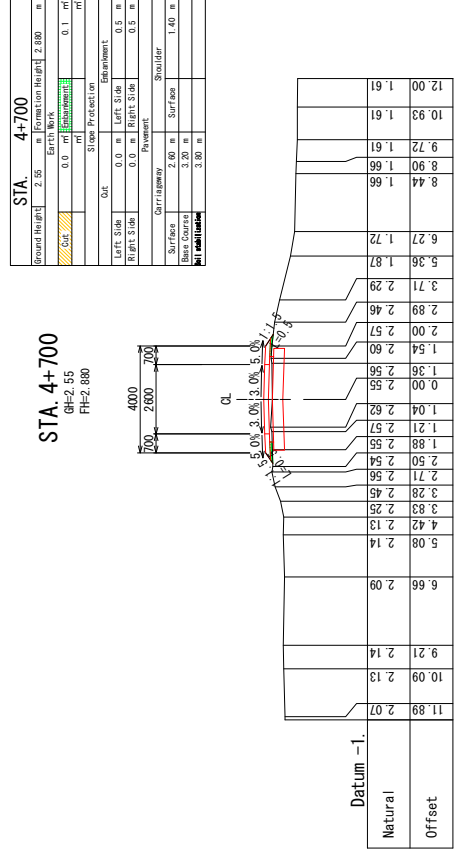
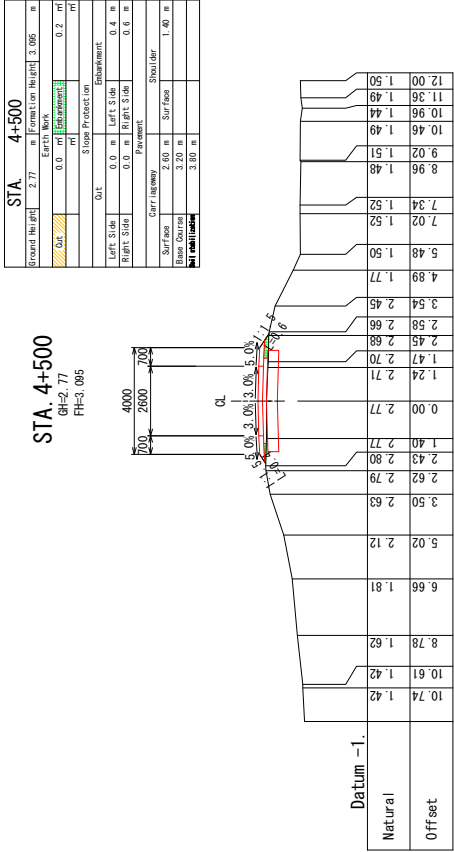
SHEET CONTENTS  
 CROSS SECTION  
 STA.3+200 ~ STA.3+500

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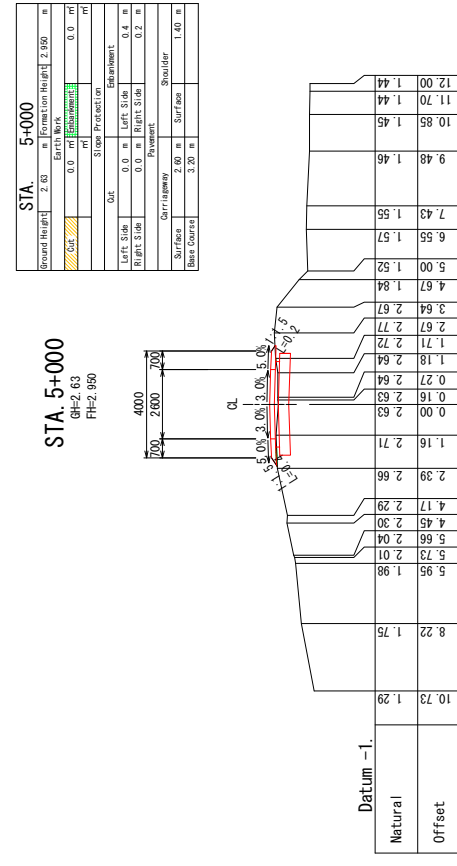
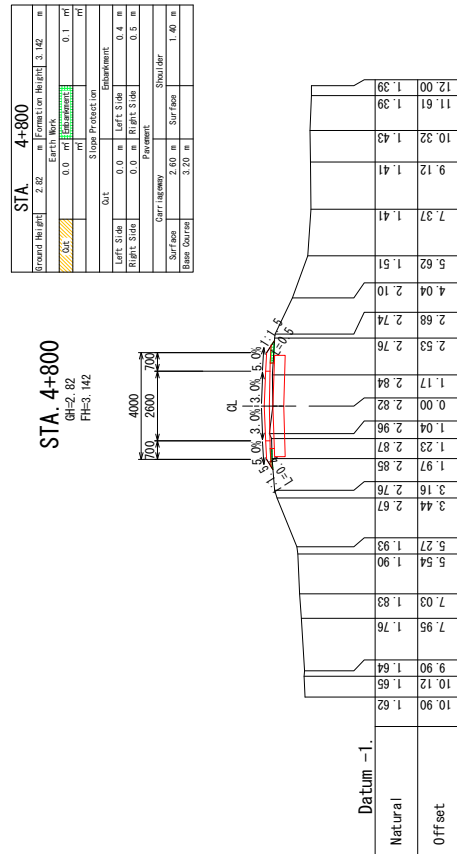
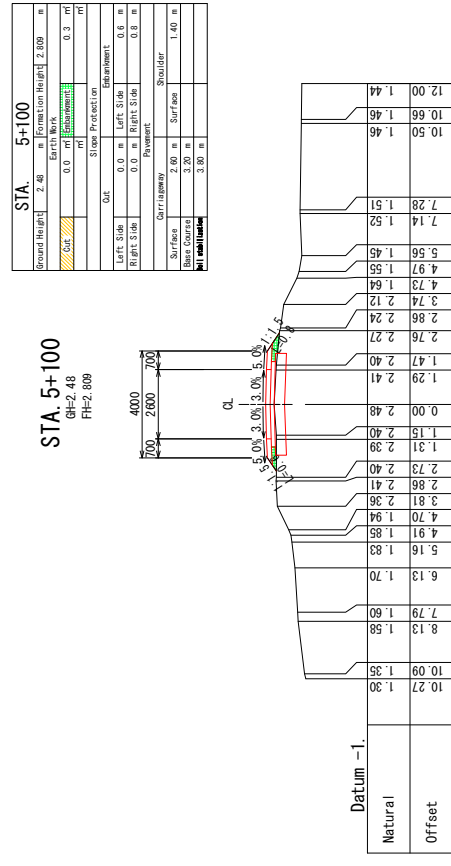
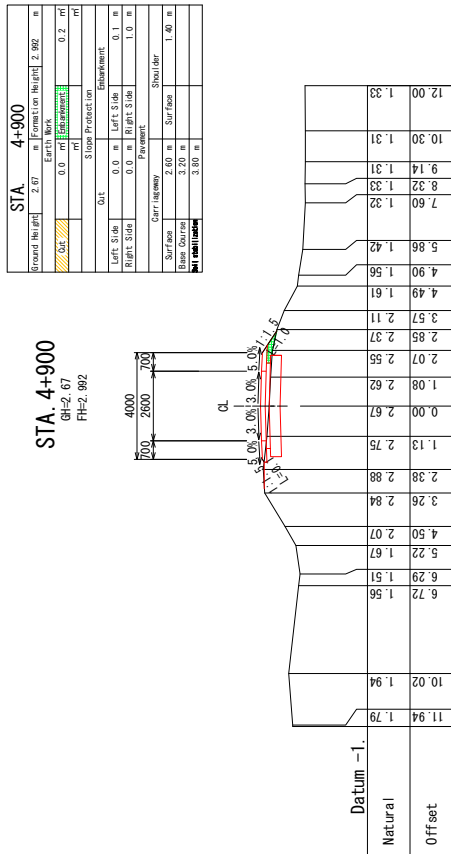


# CROSS SECTION (12/30)

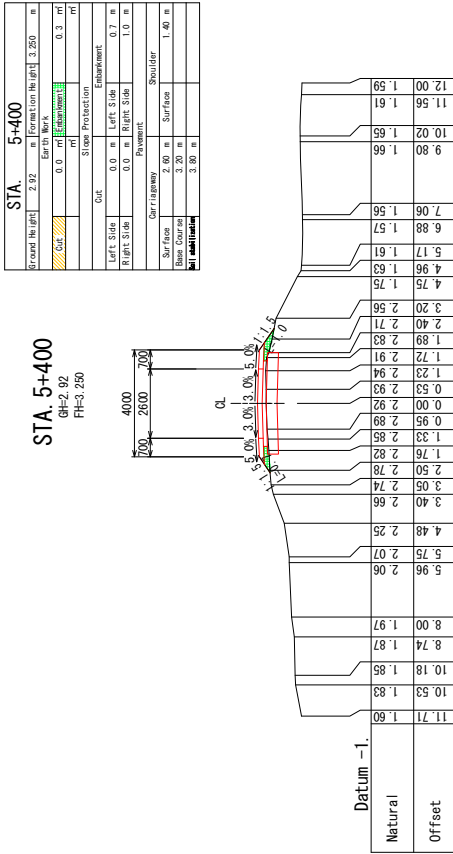
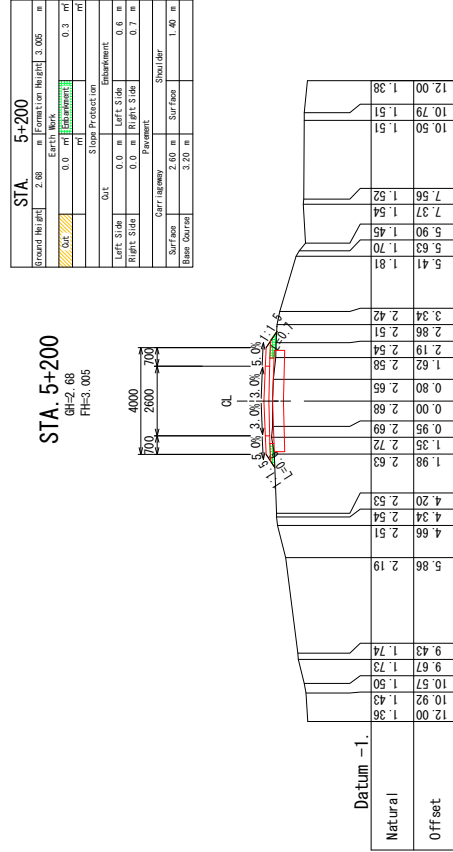
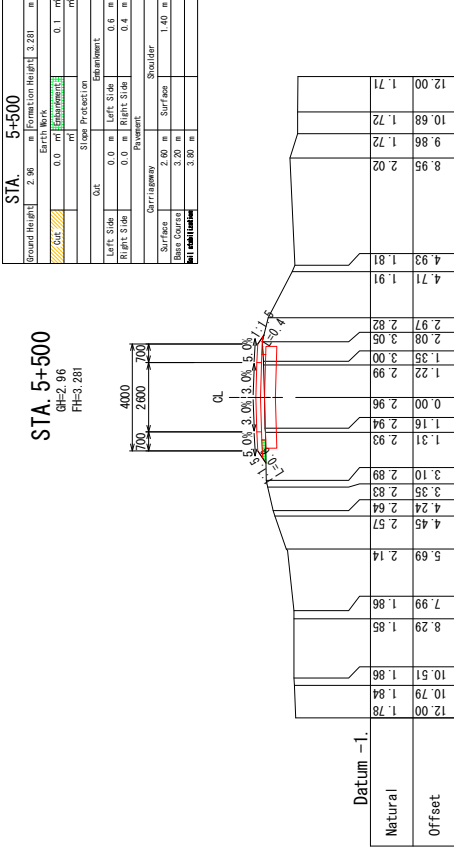
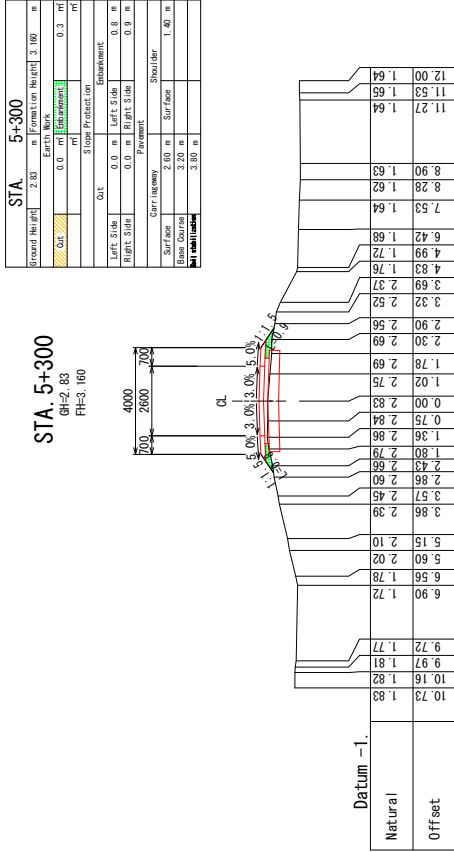


	THE REPUBLIC OF THE UNION OF MYANMAR	YAJEYARWADY REGION	
		JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	
THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Sit Sai Hone Village Tract Route Sit Sai Hone	SHEET CONTENTS CROSS SECTION STA.4+400 ~ STA.4+700
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# CROSS SECTION (13/30)



# CROSS SECTION (14/30)



THE REPUBLIC OF THE UNION OF MYANMAR

AYEYARWADY REGION

JAPAN INTERNATIONAL COOPERATION AGENCY  
 YACHIYO ENGINEERING CO., LTD.  
 NIPPON KOEI CO., LTD.

THE PROJECT FOR  
 RURAL INFRASTRUCTURE DEVELOPMENT  
 IN LOCAL AREAS

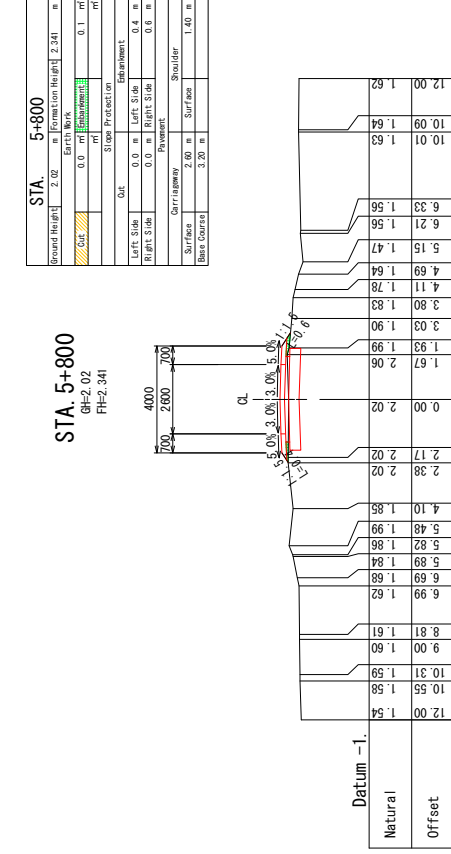
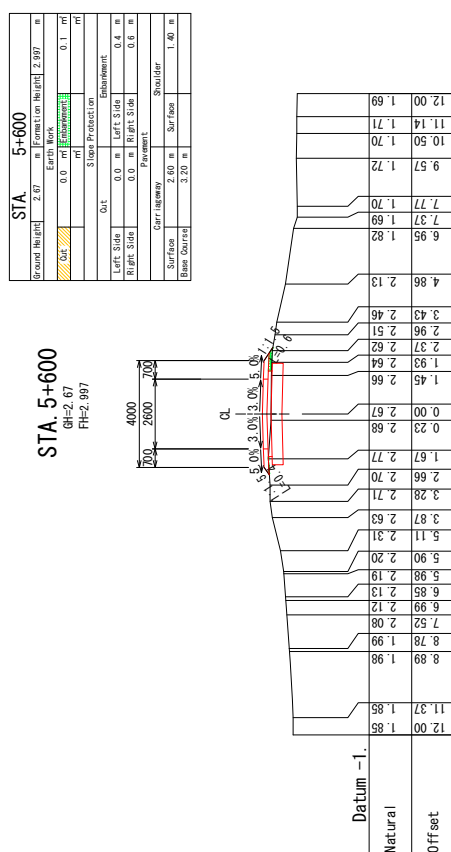
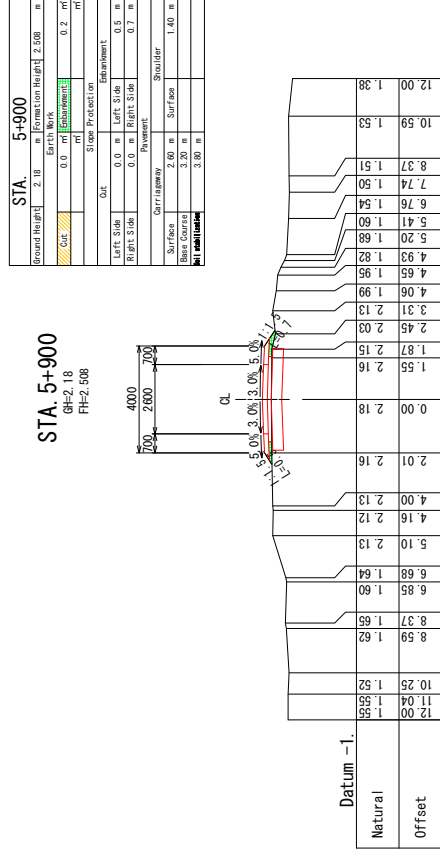
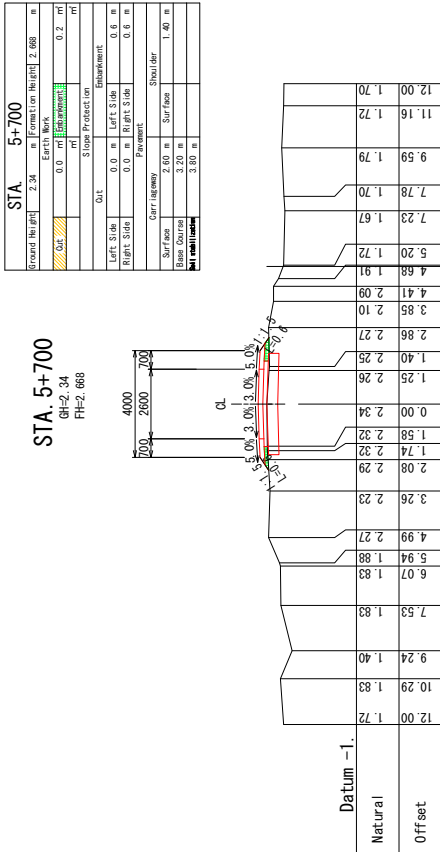
Sit Sai Htone Village Tract  
 Route Sit Sai Htone

CROSS SECTION  
 STA.5+200 ~ STA.5+500

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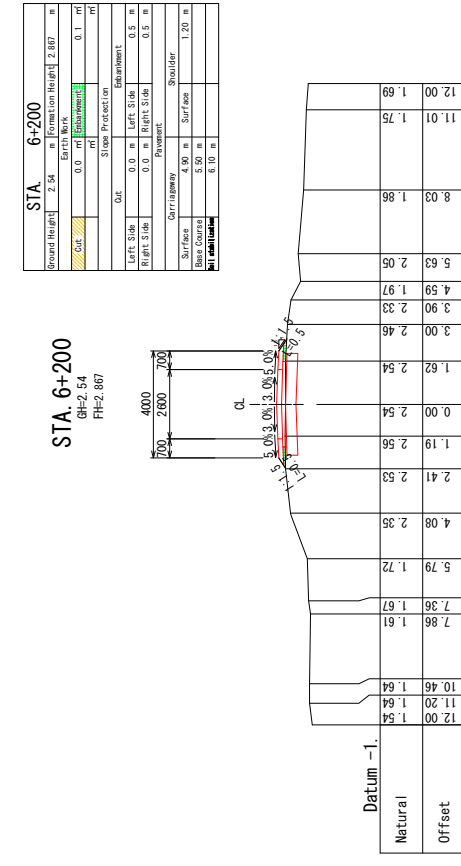
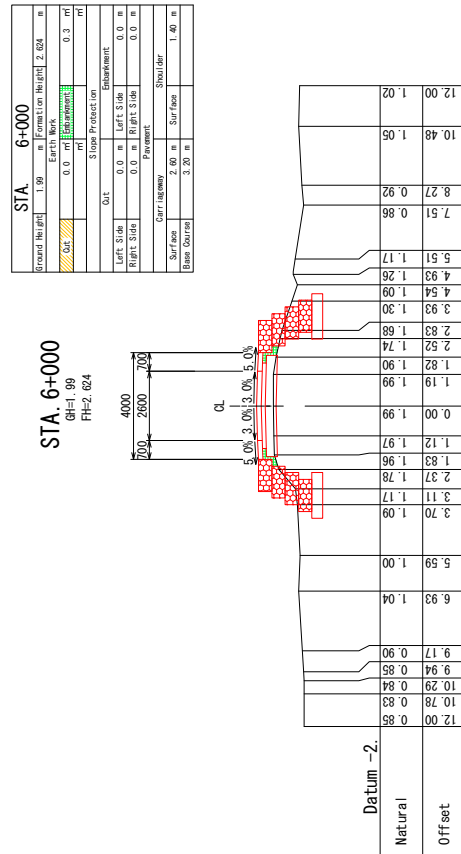
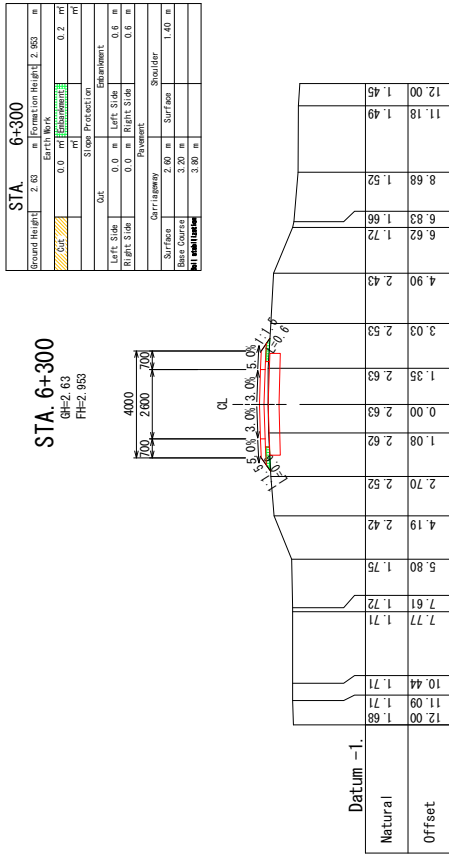
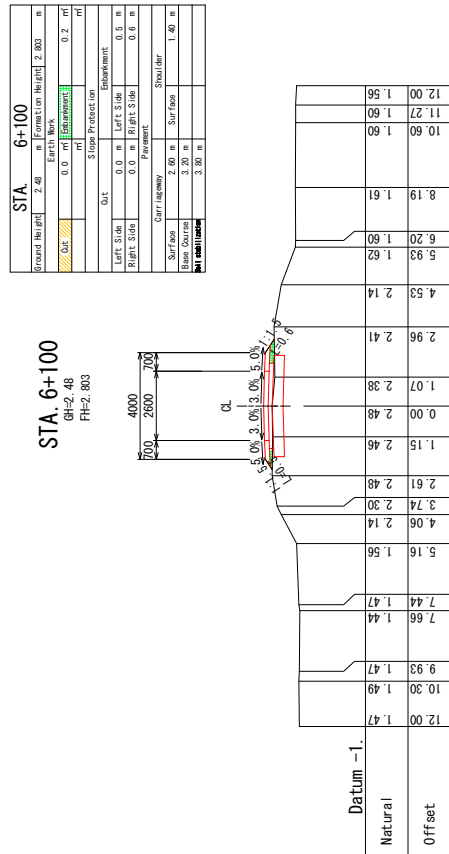


# CROSS SECTION (15/30)

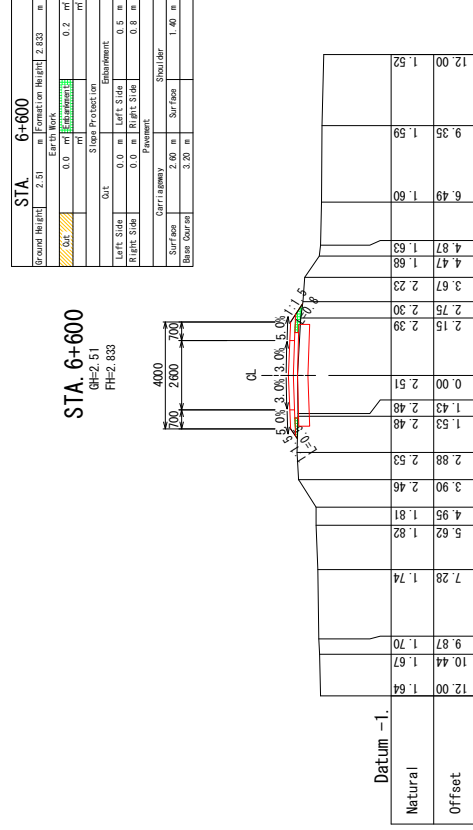
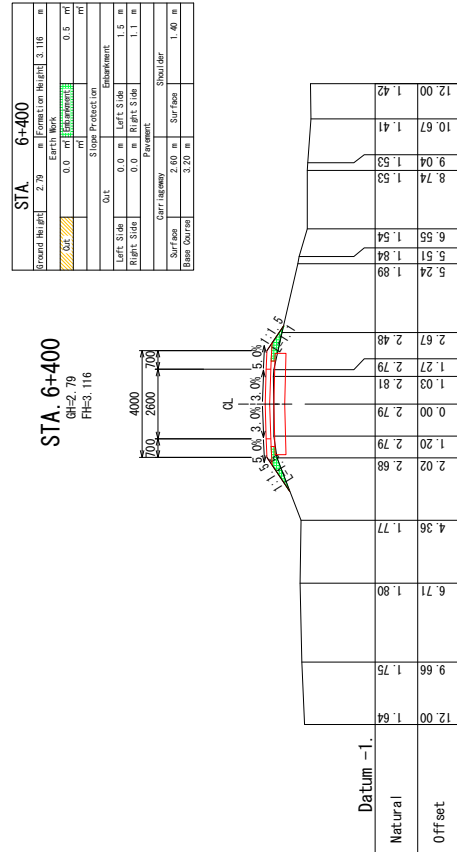
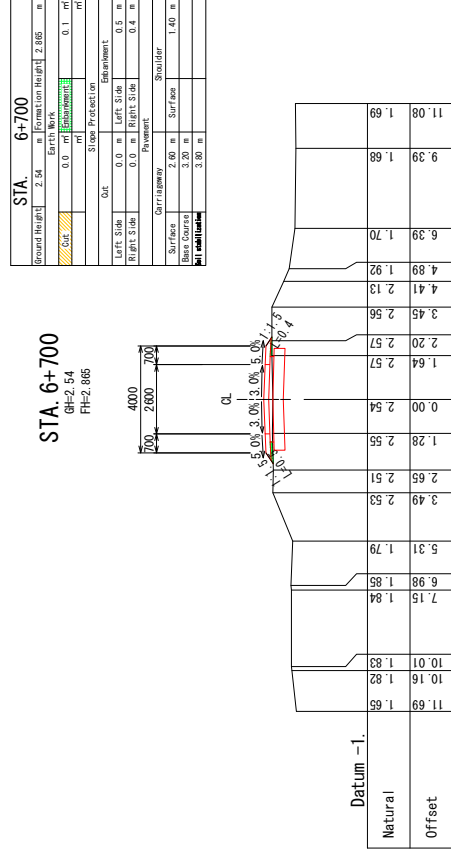
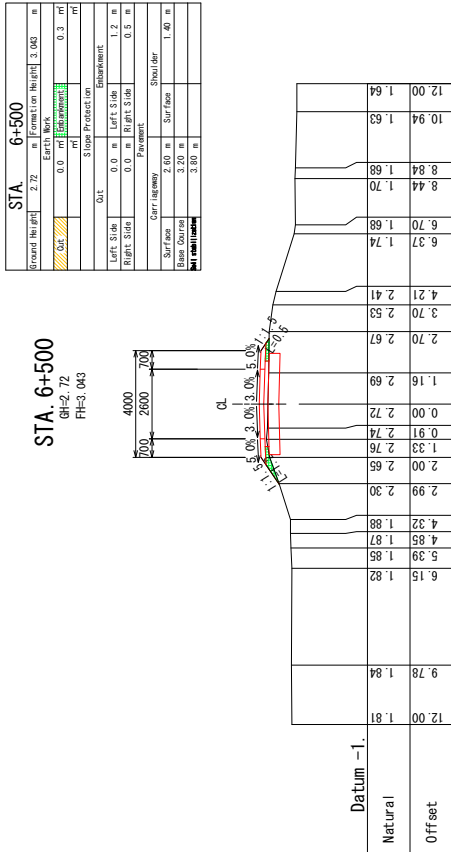


 THE REPUBLIC OF THE UNION OF MYANMAR  AYEYARWADY REGION	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.  NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Sit Sai Hone Village Tract  Route Sit Sai Hone	SHEET CONTENTS  CROSS SECTION STA.5+600 ~ STA.5+900	SCALE S=1:200
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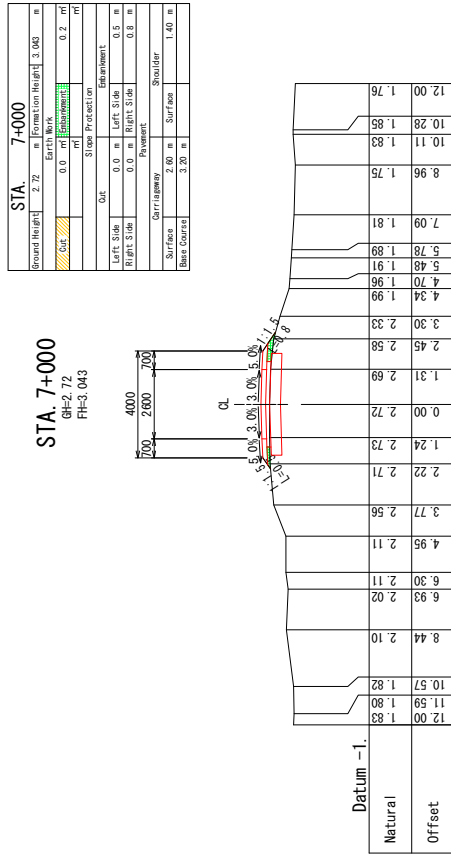
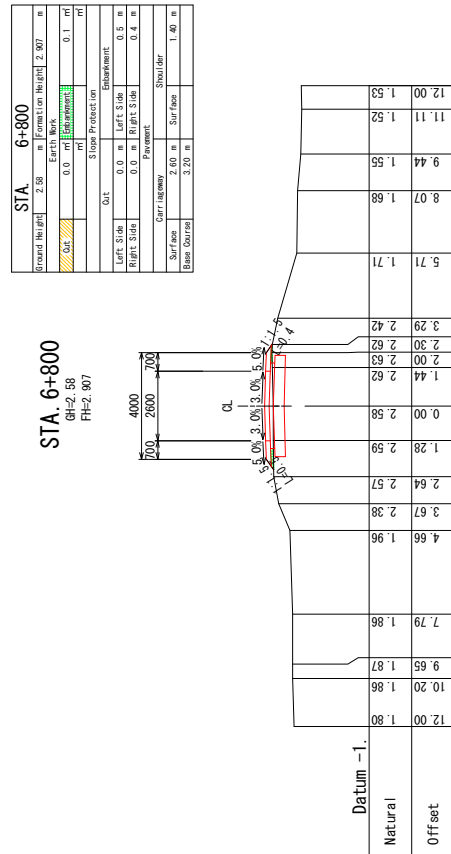
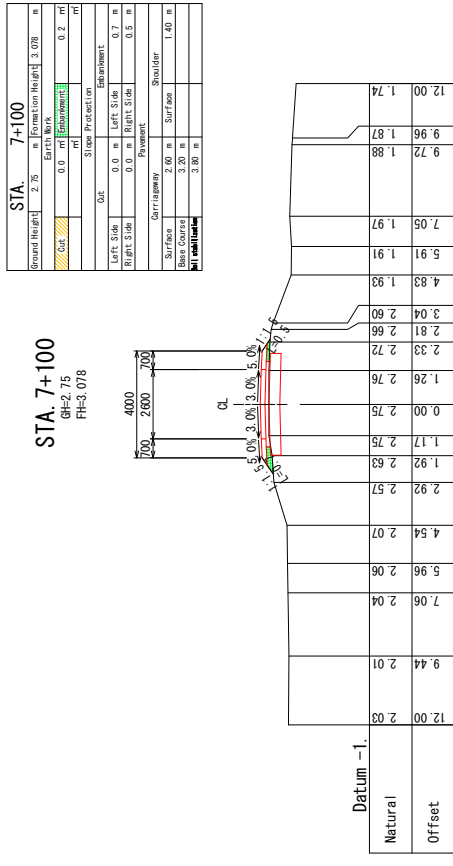
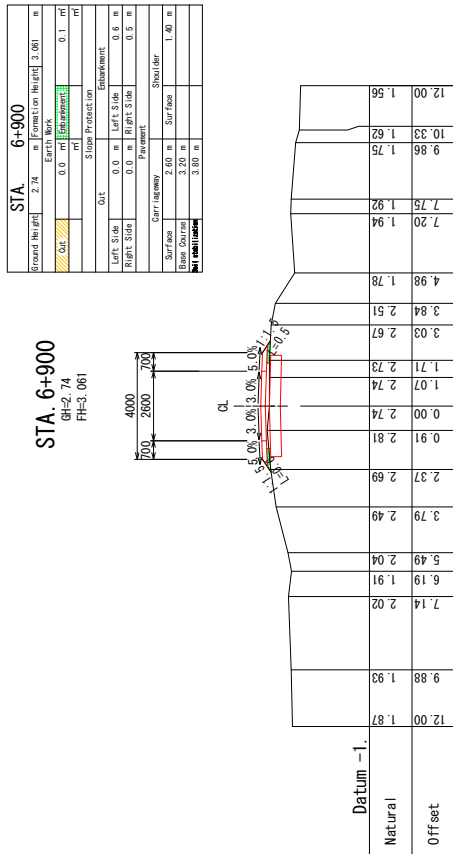
# CROSS SECTION (16/30)



# CROSS SECTION (17/30)

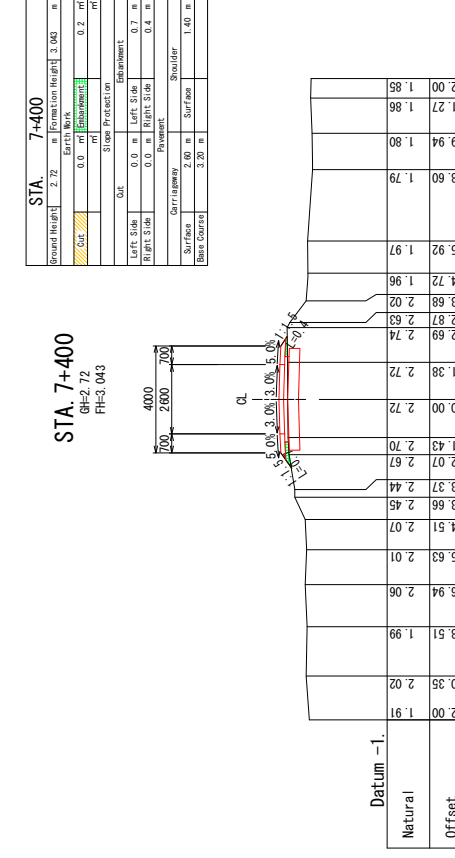
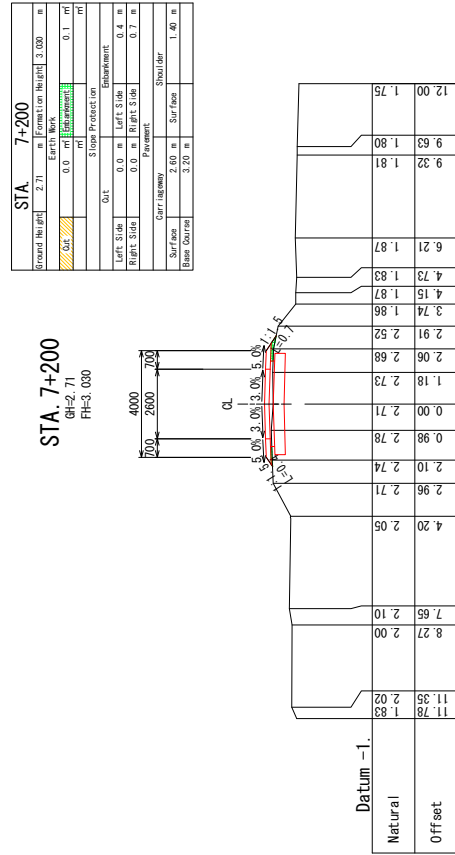
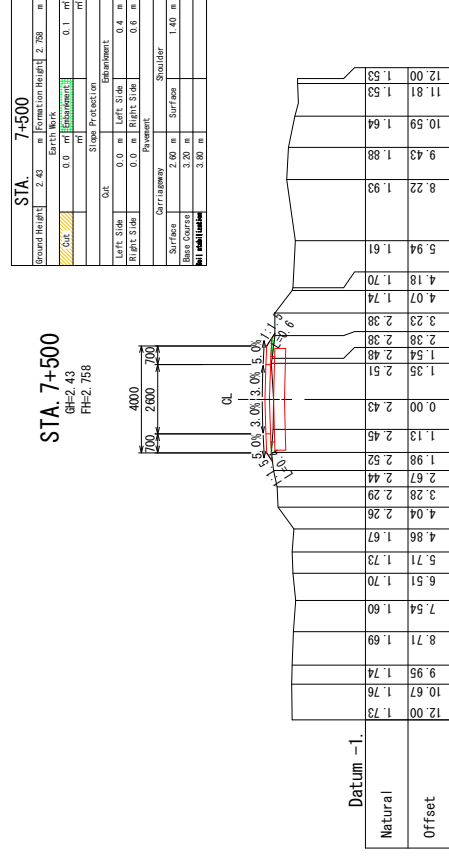
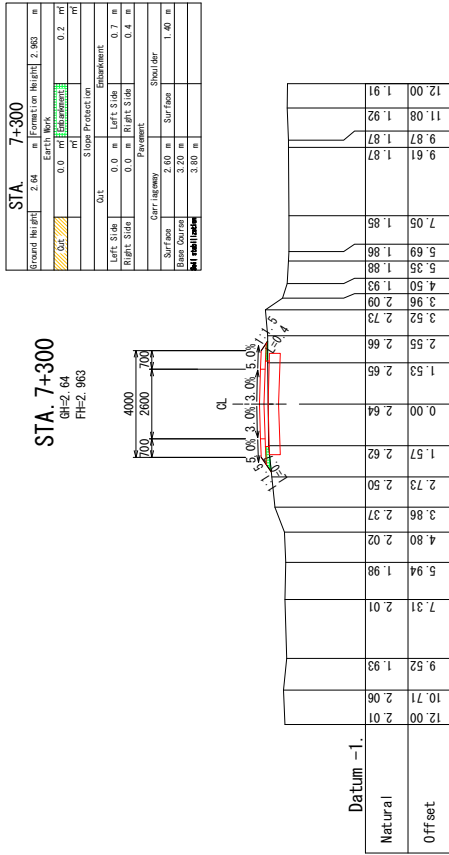


# CROSS SECTION (18/30)



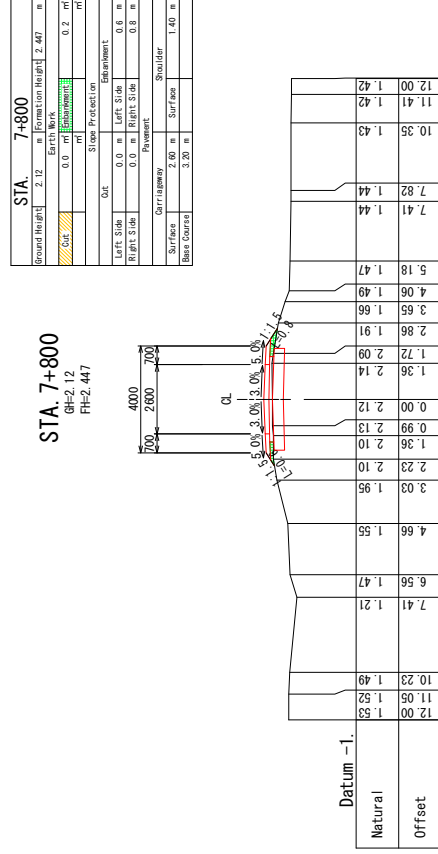
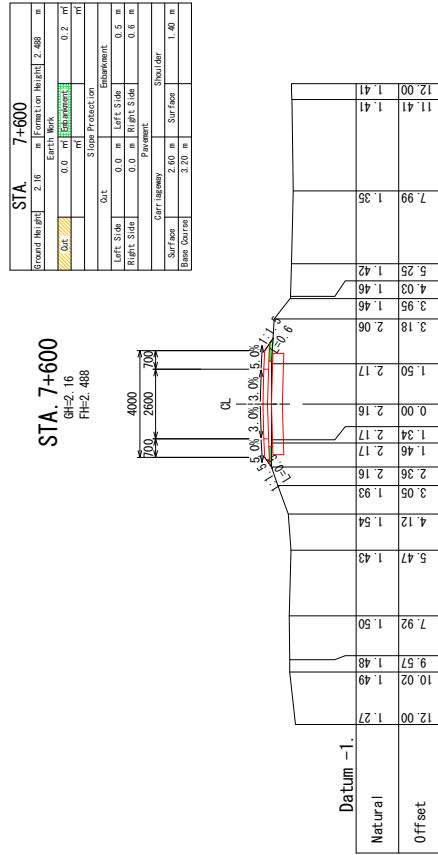
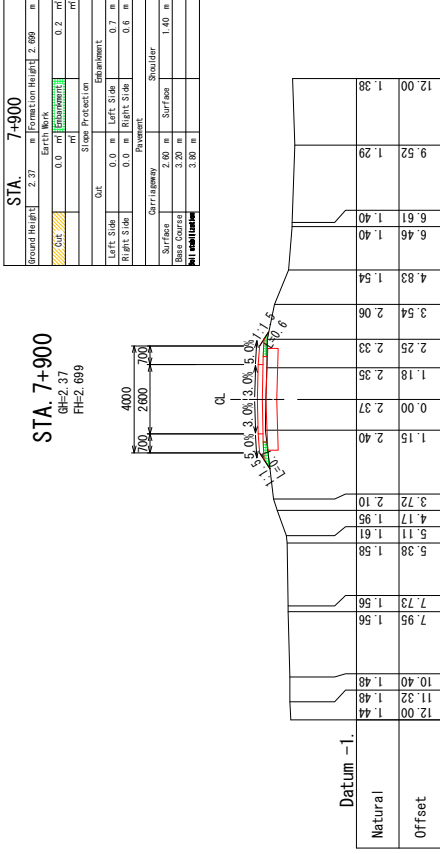
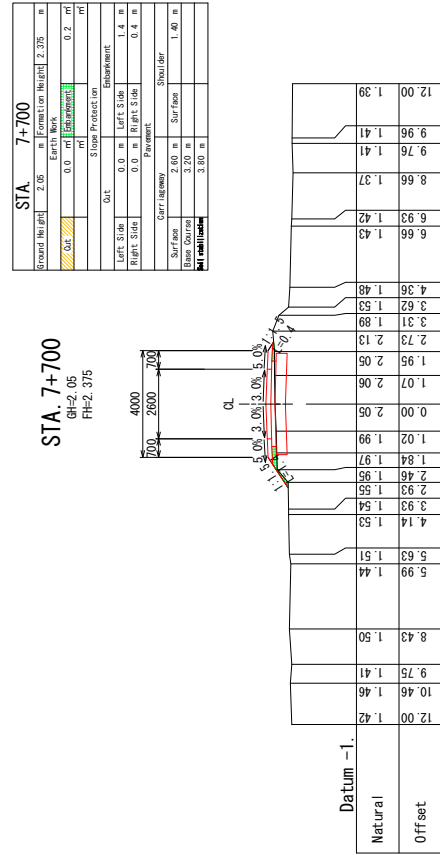
	THE REPUBLIC OF THE UNION OF MYANMAR		JAPAN INTERNATIONAL COOPERATION AGENCY	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	SIT Sali Hone Village Tract	SHEET CONTENTS CROSS SECTION STA.6+800 ~ STA.7+100	SCALE	S=1:200
	AYEYARWADY REGION		Route Sit Sali Home		DATE		DEC 2018	PAGE NO.

# CROSS SECTION (19/30)



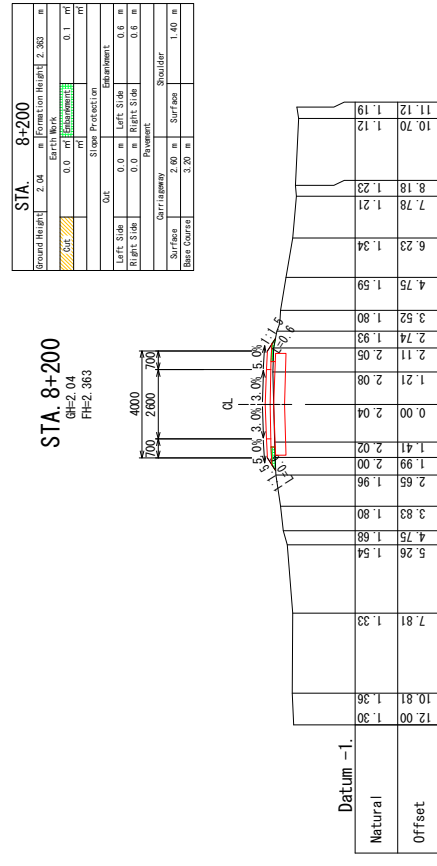
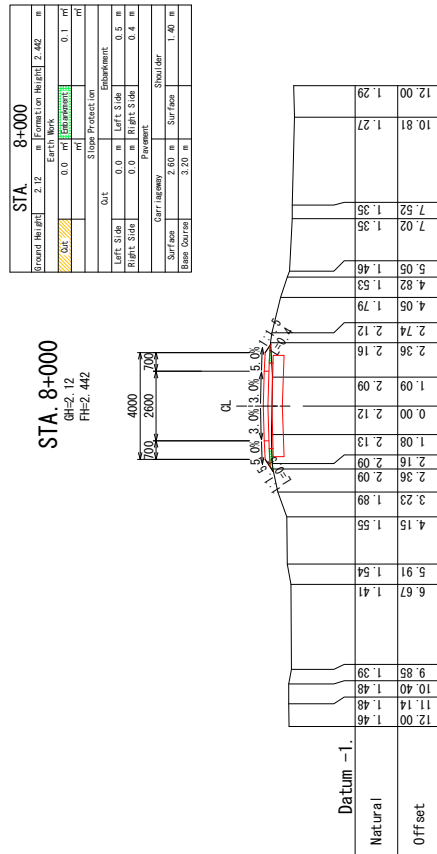
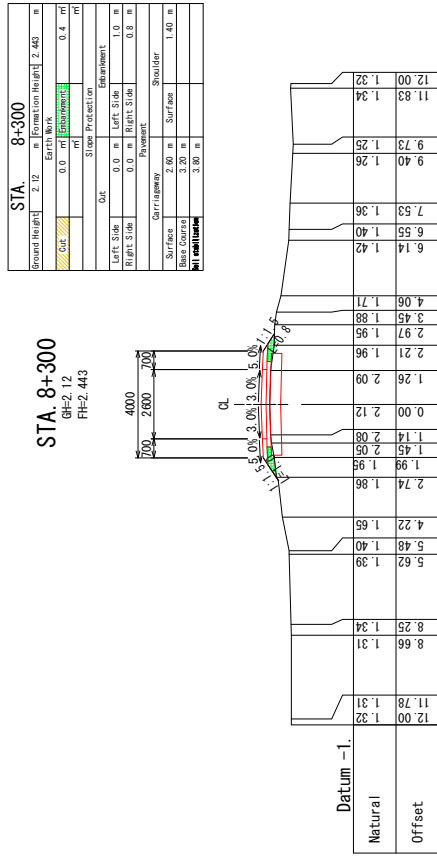
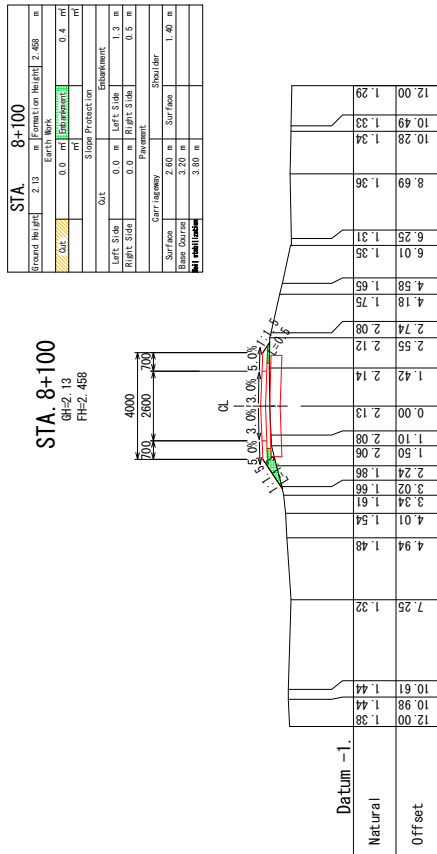
 THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY  YACHIYO ENGINEERING CO., LTD.  NIPPON KOEI CO., LTD.  NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Sit Sai Htone Village Tract Route Sit Sai Htone	SHEET CONTENTS CROSS SECTION STA.7+200 ~ STA.7+500		SCALE DATE PAGE NO.	S=1:200 DEC 2018 43 / 129
		Screenshot of the cross-section diagrams for STA 7+300, 7+400, 7+500, and 7+200.						

# CROSS SECTION (20/30)



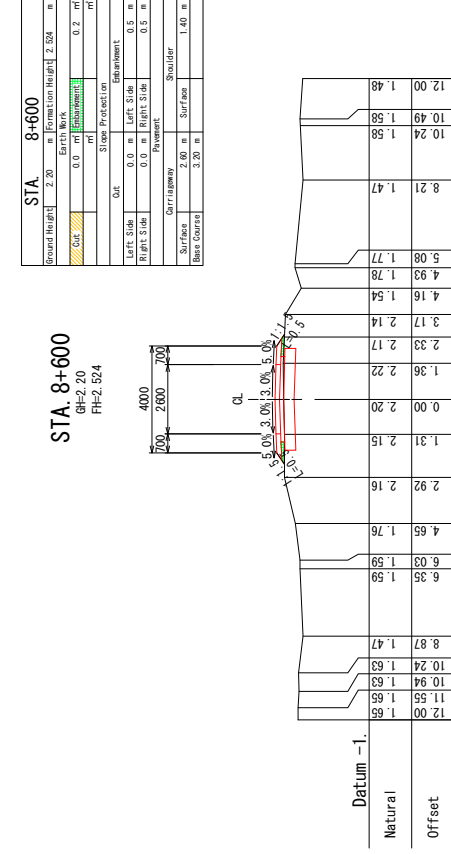
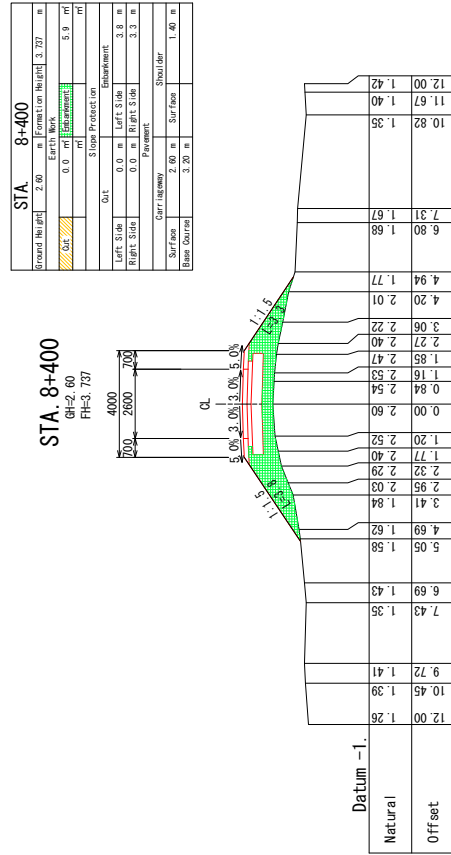
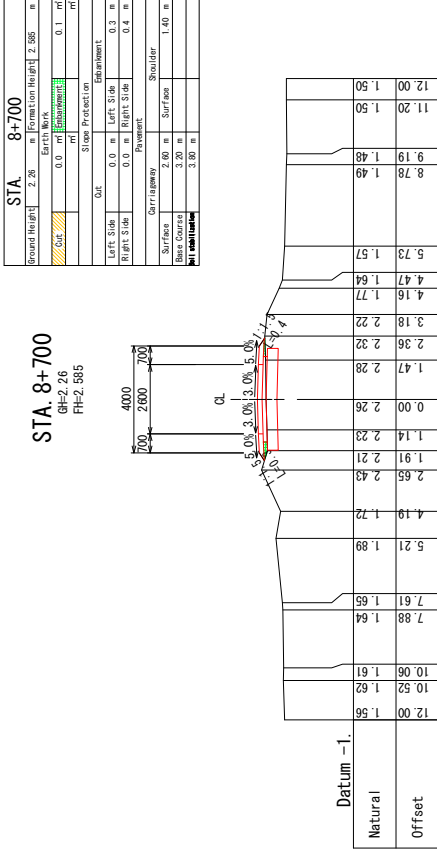
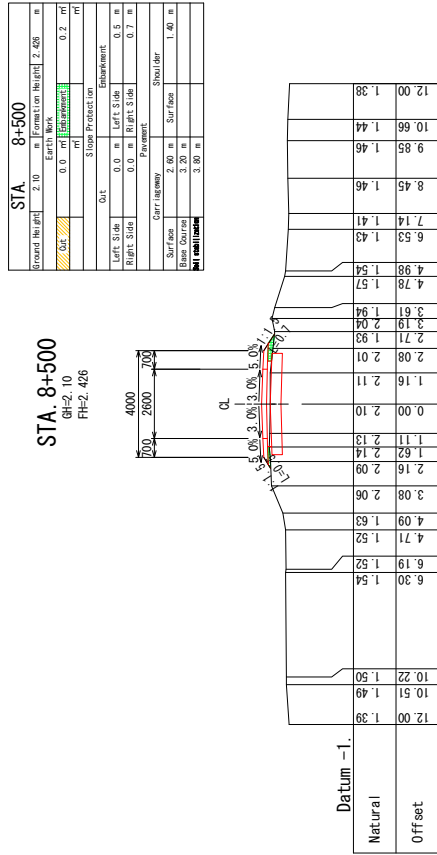
	THE REPUBLIC OF THE UNION OF MYANMAR		JAPAN INTERNATIONAL COOPERATION AGENCY		YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Route Sit Sai Home	Sit Sai Home Village Tract CROSS SECTION STA.7+600 ~ STA.7+900	SCALE	S=1:200
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	AYEYARWADY REGION		YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.				DATE	DEC 2018

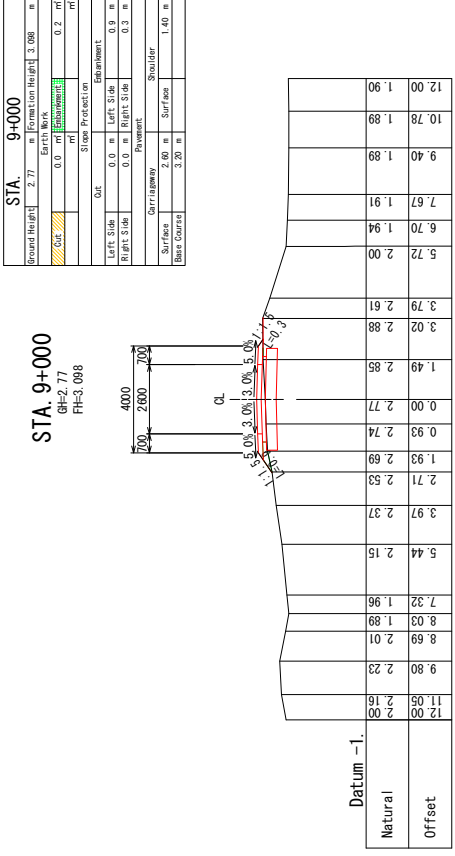
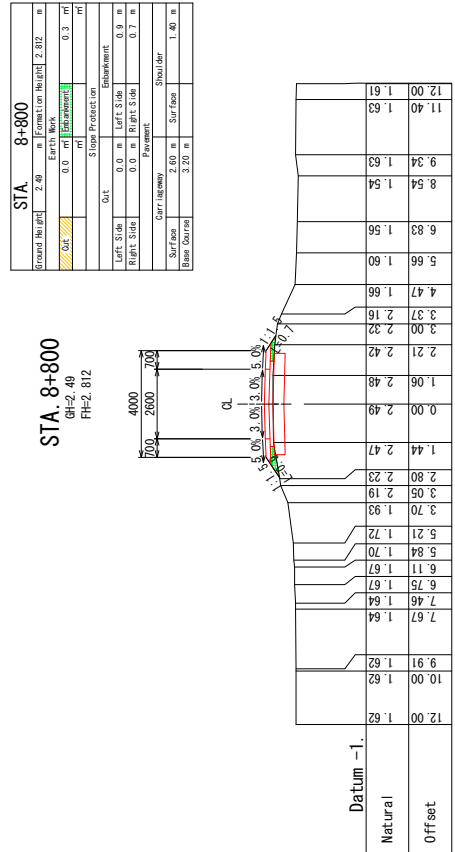
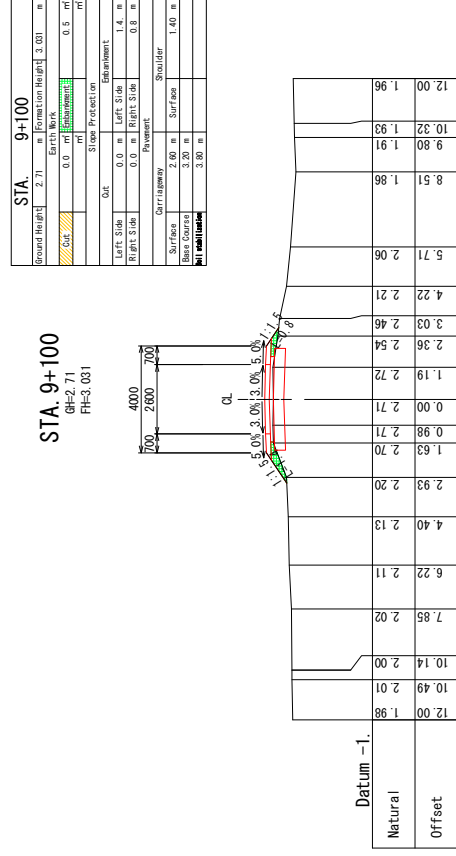
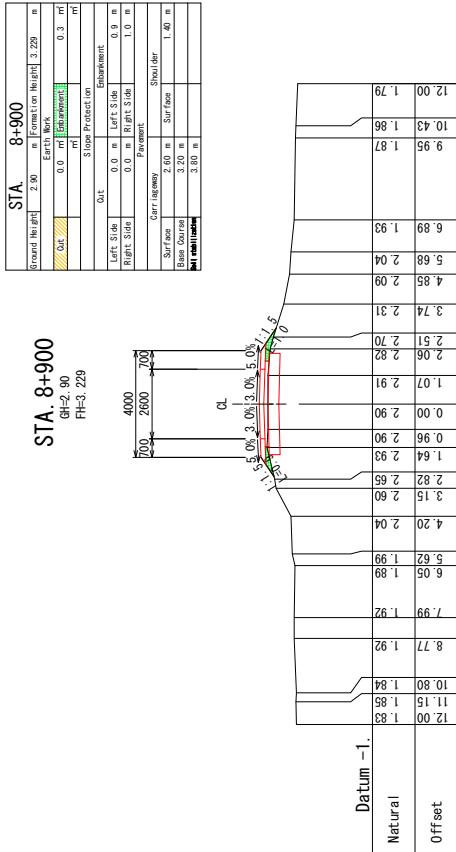
# CROSS SECTION (22/30)



 THE REPUBLIC OF THE UNION OF MYANMAR  AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY   YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Sit Sai Htone Village Tract  Route Sit Sai Htone	SHEET CONTENTS  CROSS SECTION STA.8+400 ~ STA.8+700	SCALE S=1:200
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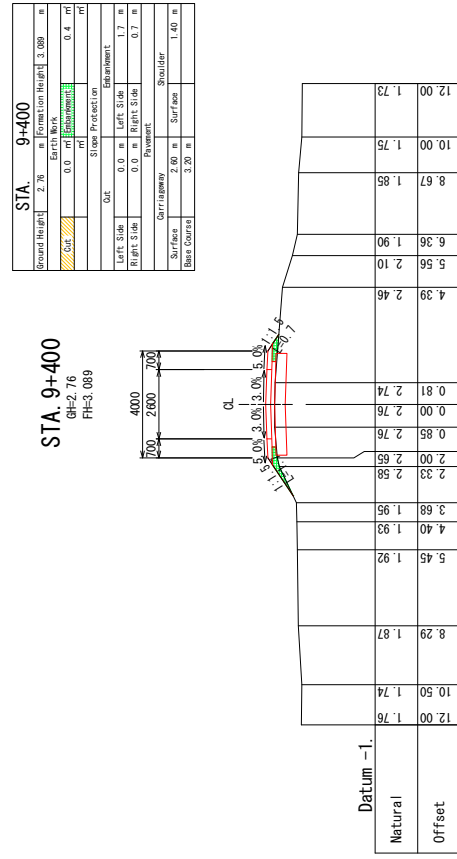
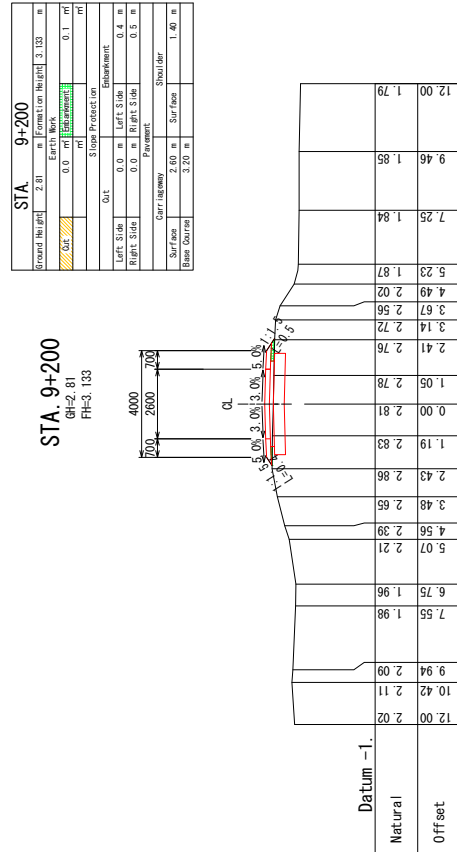
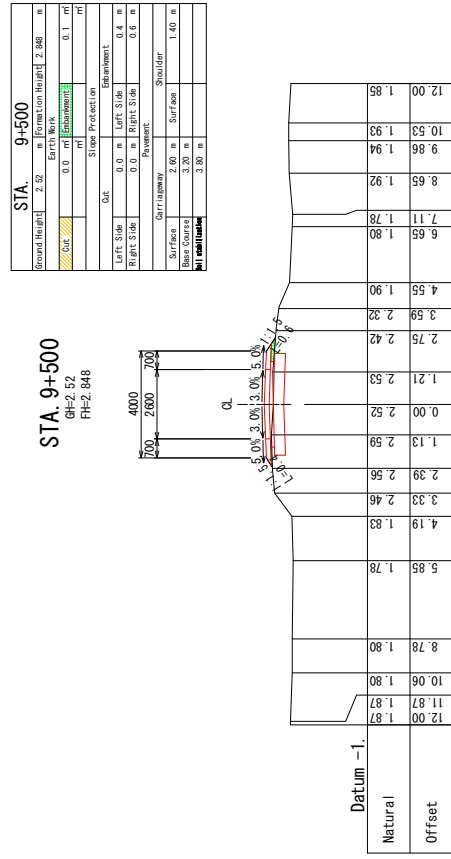
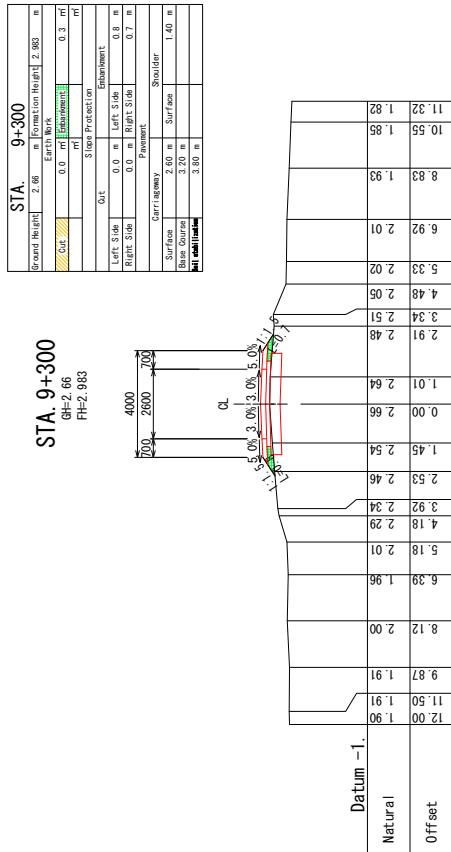


# CROSS SECTION (23/30)



 THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Sit Sai Htone Village Tract Route Sit Sai Htone	SHEET CONTENTS CROSS SECTION STA.8+800 ~ STA.9+100	SCALE S=1:200
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THE REPUBLIC OF THE UNION OF MYANMAR  
 AYEYARWADY REGION

JICA  
 YACHIYO ENGINEERING CO., LTD.  
 NIPPON KOEI CO., LTD.

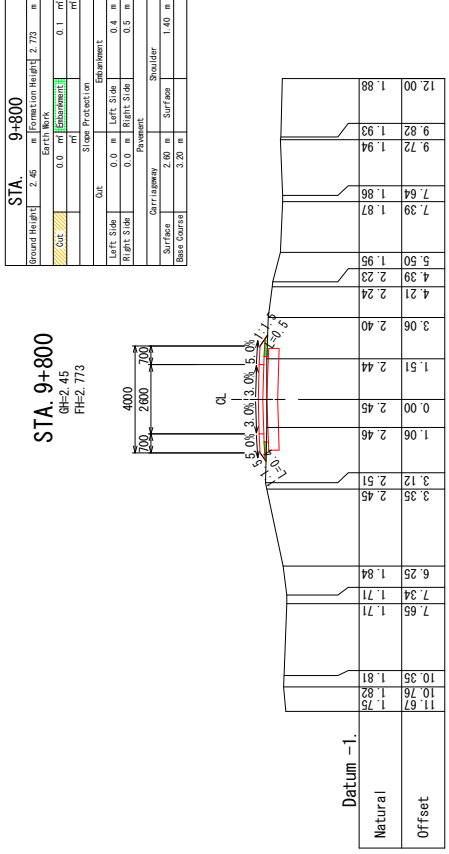
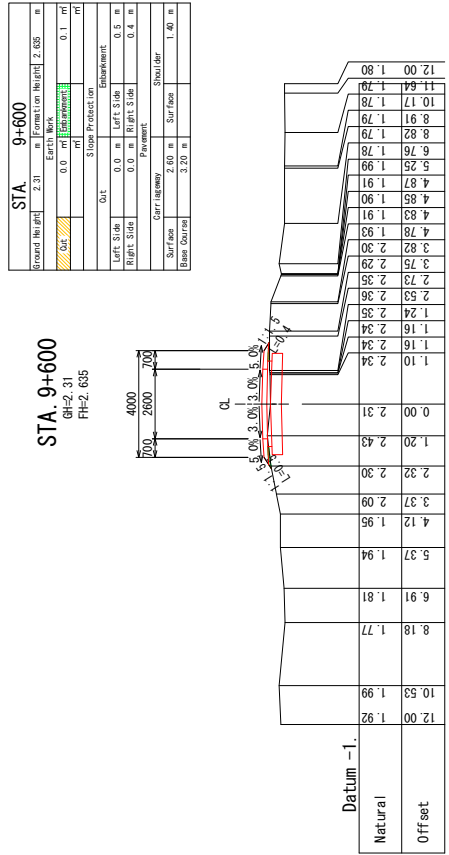
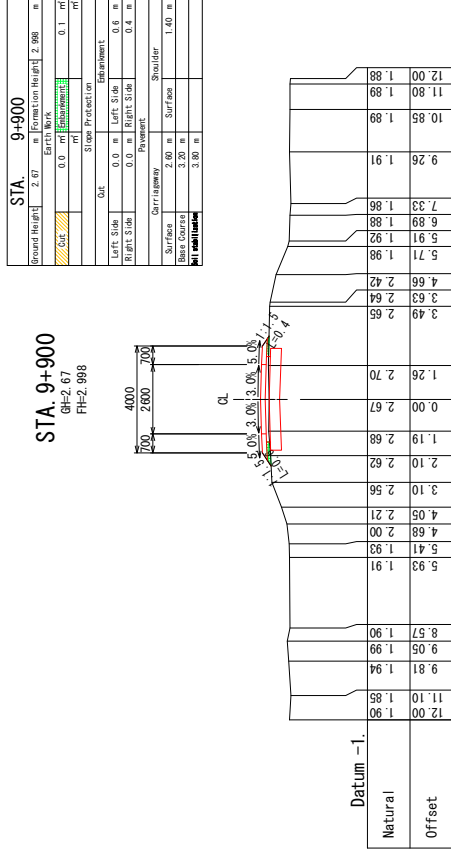
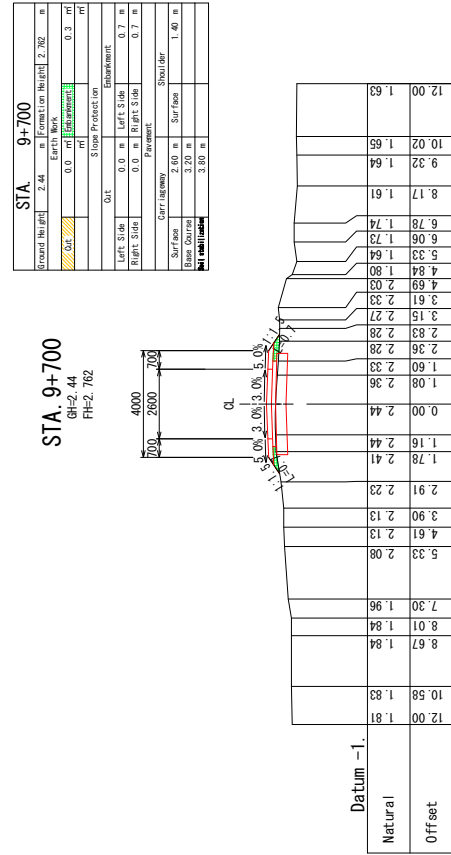
THE PROJECT FOR  
 RURAL INFRASTRUCTURE DEVELOPMENT  
 IN LOCAL AREAS

Sit Sai Htone Village Tract  
 Route Sit Sai Htone

SHEET CONTENTS  
 CROSS SECTION  
 STA.9+200 ~ STA.9+500

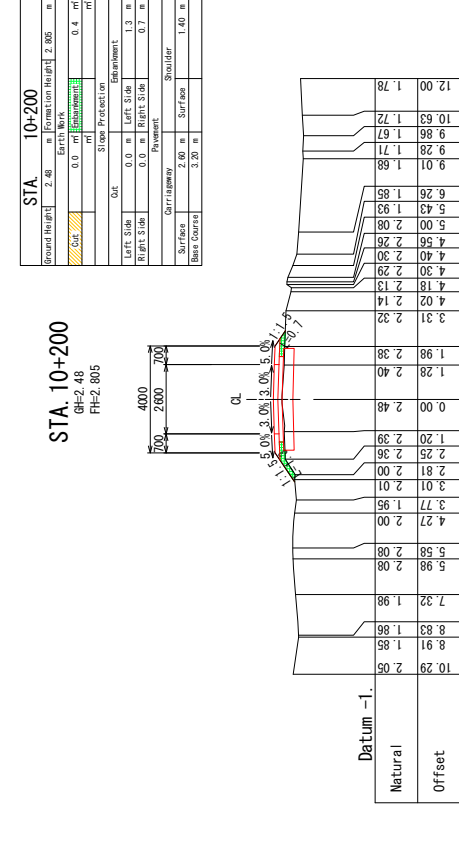
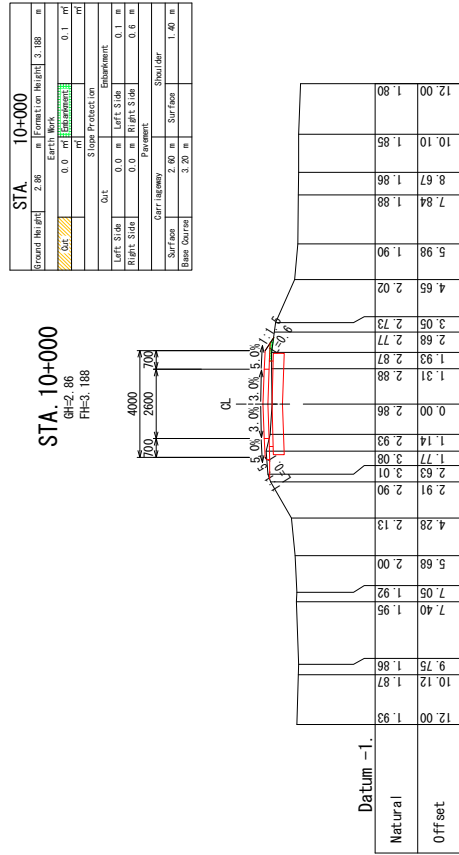
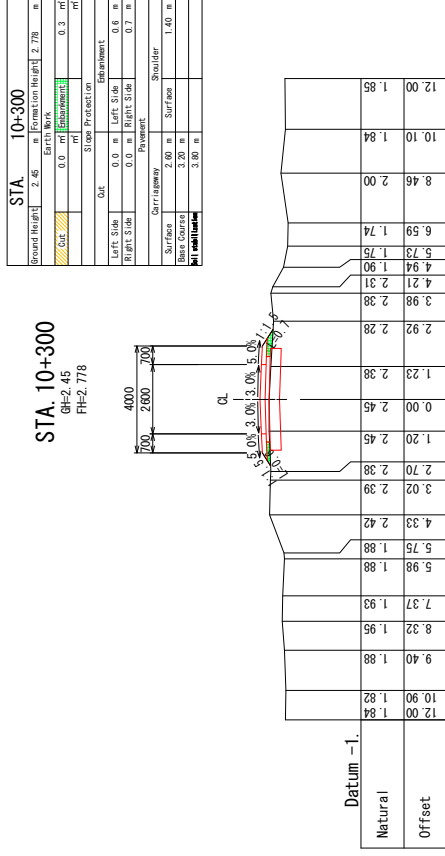
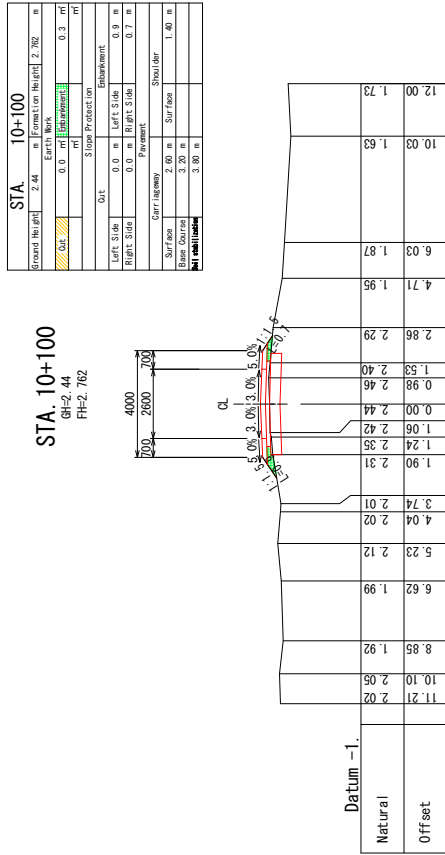
SCALE S=1:200  
 DATE DEC 2018  
 PAGE NO. 48 / 129

# CROSS SECTION (25/30)



	THE REPUBLIC OF THE UNION OF MYANMAR	THE PROJECT FOR		Sit Sai Htone Village Tract	Route Sit Sai Htone	SHEET CONTENTS			SCALE	S=1:200
	AYEYARWADY REGION	RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS				CROSS SECTION STA.9+600 ~ STA.9+900			DATE	
					Route Sit Sai Htone			DEC 2018		

# CROSS SECTION (26/30)

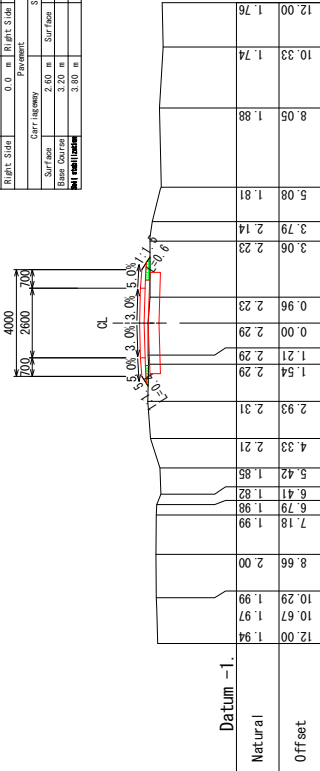


	THE REPUBLIC OF THE UNION OF MYANMAR		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	SHEET CONTENTS	SCALE	S=1:200
	AYEYARWADY REGION		JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	Route Sit Sai Home	CROSS SECTION STA.10+000 ~ STA.10+300	DATE
			Sit Sai Home Village Tract		PAGE NO.	50 / 129

# CROSS SECTION (27/30)

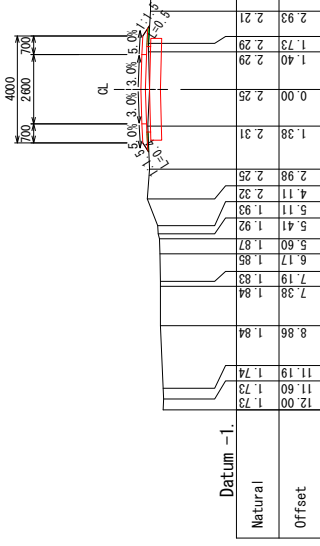
**STA. 10+500**  
 GH=2.29  
 FH=2.615

Ground Height	2.29 m	Formation Height	2.615 m
Earth Work	0.0 m <sup>3</sup>	Embankment	0.2 m <sup>3</sup>
Cut	0.0 m	Shoulder	1.40 m
Slope Protection			
Left Side	0.0 m	Left Side	0.4 m
Right Side	0.0 m	Right Side	0.6 m
Surface	2.60 m	Surface	1.40 m
Base Course	3.20 m	Shoulder	1.40 m
Blas Course	3.80 m		



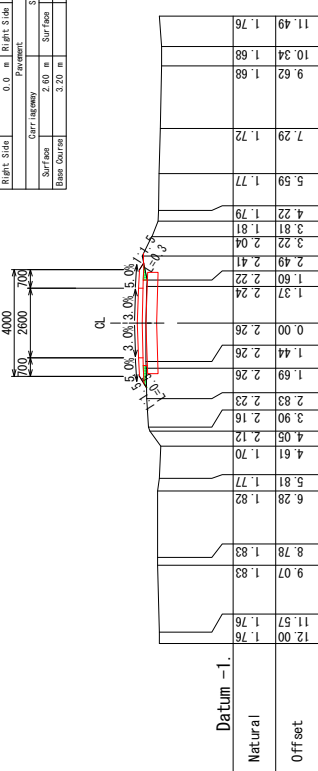
**STA. 10+700**  
 GH=2.25  
 FH=2.571

Ground Height	2.25 m	Formation Height	2.571 m
Earth Work	0.0 m <sup>3</sup>	Embankment	0.1 m <sup>3</sup>
Cut	0.0 m	Shoulder	1.40 m
Slope Protection			
Left Side	0.0 m	Left Side	0.4 m
Right Side	0.0 m	Right Side	0.5 m
Surface	2.60 m	Surface	1.40 m
Base Course	3.20 m	Shoulder	1.40 m
Blas Course	3.80 m		



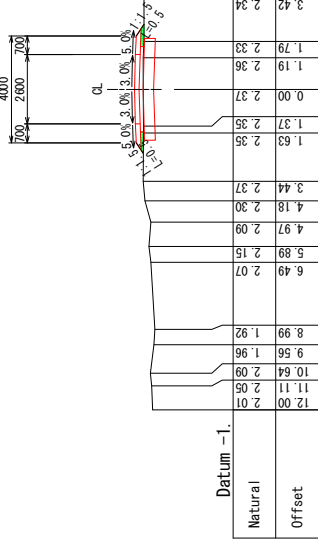
**STA. 10+400**  
 GH=2.26  
 FH=2.584

Ground Height	2.26 m	Formation Height	2.584 m
Earth Work	0.0 m <sup>3</sup>	Embankment	0.1 m <sup>3</sup>
Cut	0.0 m	Shoulder	1.40 m
Slope Protection			
Left Side	0.0 m	Left Side	0.5 m
Right Side	0.0 m	Right Side	0.3 m
Surface	2.60 m	Surface	1.40 m
Base Course	3.20 m	Shoulder	1.40 m



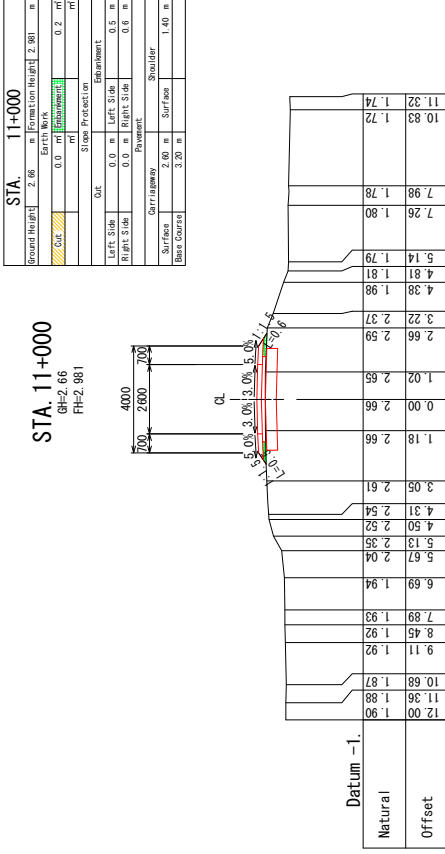
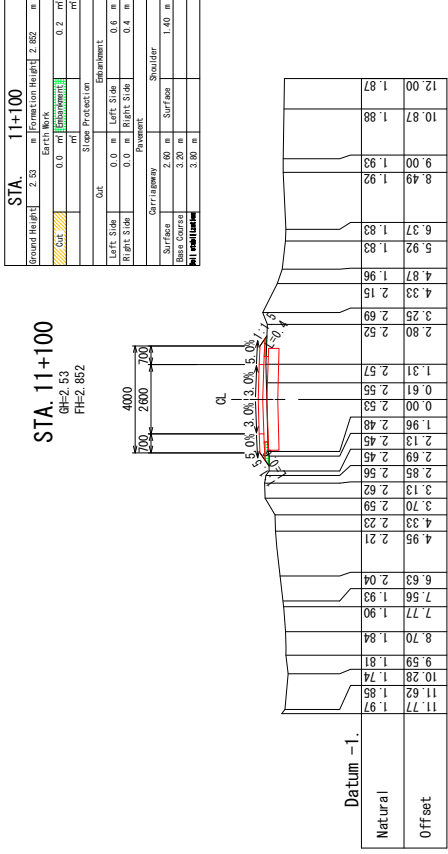
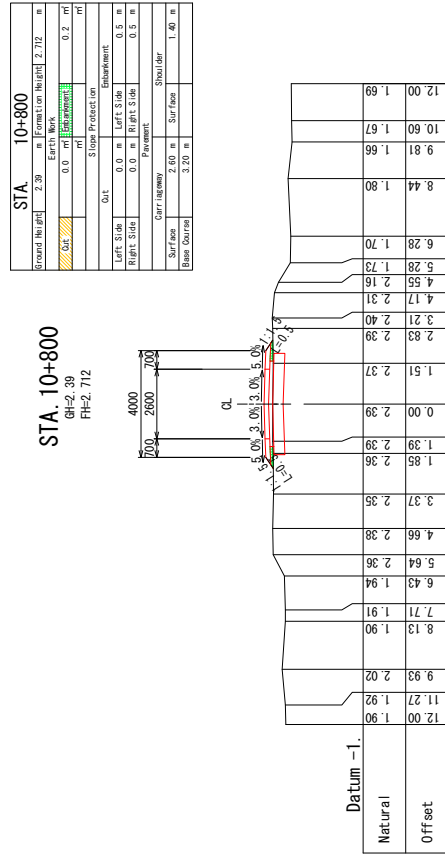
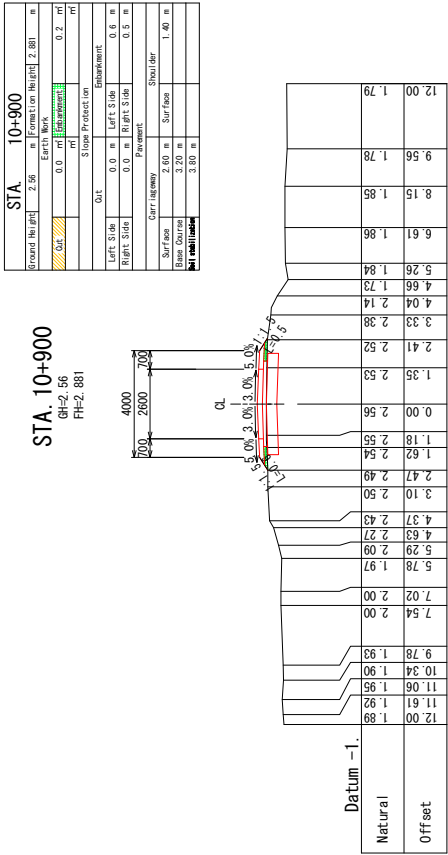
**STA. 10+600**  
 GH=2.37  
 FH=2.696

Ground Height	2.37 m	Formation Height	2.696 m
Earth Work	0.0 m <sup>3</sup>	Embankment	0.2 m <sup>3</sup>
Cut	0.0 m	Shoulder	1.40 m
Slope Protection			
Left Side	0.0 m	Left Side	0.5 m
Right Side	0.0 m	Right Side	0.5 m
Surface	2.60 m	Surface	1.40 m
Base Course	3.20 m	Shoulder	1.40 m



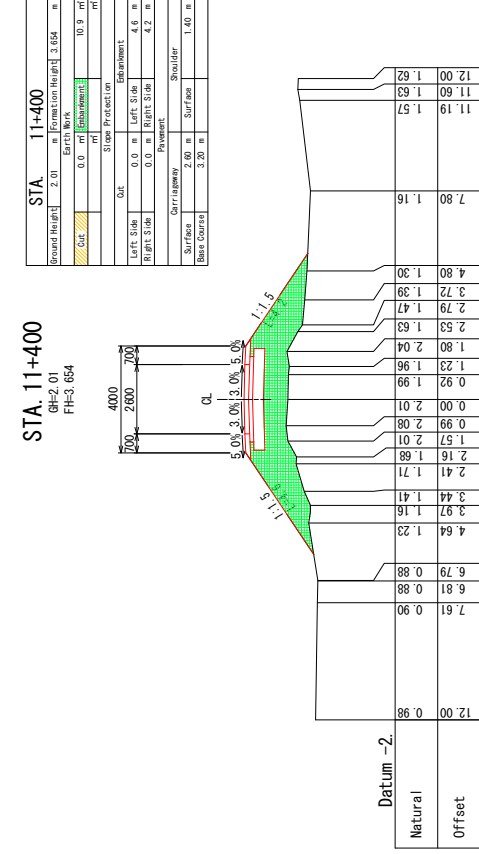
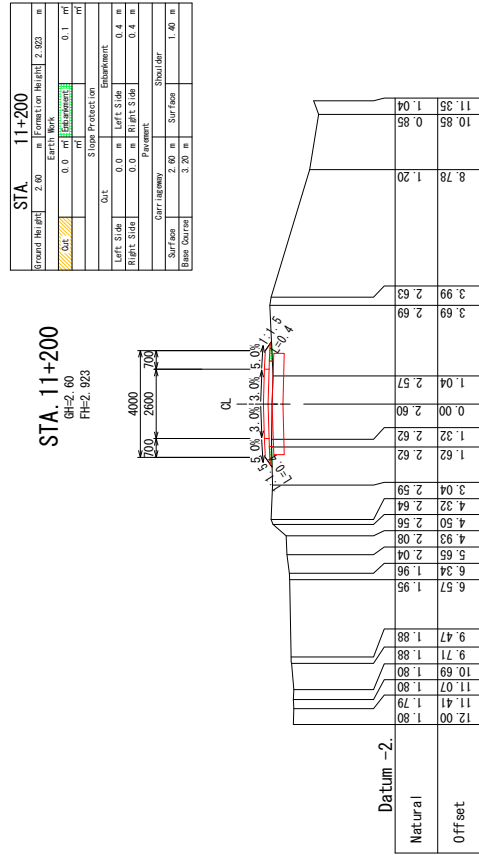
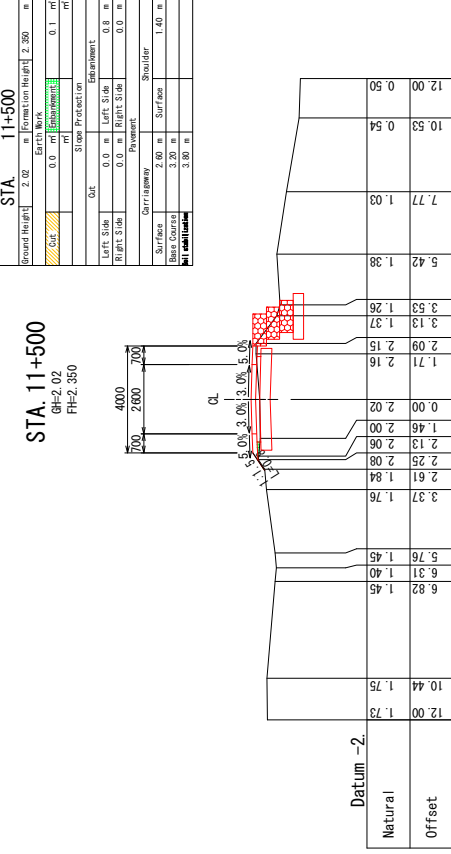
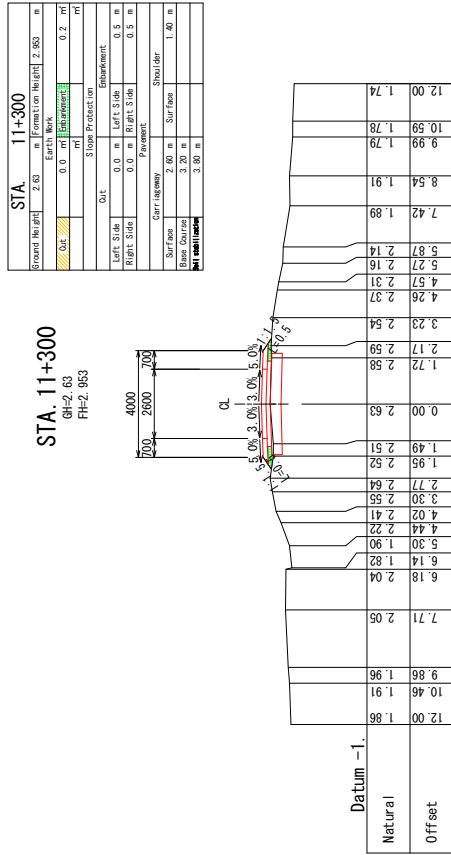
	THE REPUBLIC OF THE UNION OF MYANMAR		JAPAN INTERNATIONAL COOPERATION AGENCY	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Sit Sai Hone Village Tract	SHEET CONTENTS CROSS SECTION STA.10+400 ~ STA.10+700	SCALE	S=1:200
	AYEYARWADY REGION		Route Sit Sai Hone		DATE		DEC 2018	PAGE NO.

# CROSS SECTION (28/30)



 THE REPUBLIC OF THE UNION OF MYANMAR	AYEYARWADY REGION	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Route Sit Sai Home	SHEET CONTENTS CROSS SECTION STA.10+800 ~ STA.11+000		SCALE S=1:200
				Date	DEC 2018		

# CROSS SECTION (29/30)



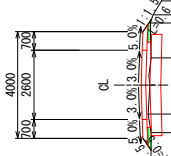
 THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY   YACHIYO ENGINEERING CO., LTD.  NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Sit Sai Htone Village Tract Route Sit Sai Htone	SHEET CONTENTS CROSS SECTION STA.11+200 ~ STA.11+500		SCALE S=1:200
		DATE DEC 2018	PAGE NO. 53 / 129				

# CROSS SECTION (30/30)

**STA. 11+700**  
 GH=1.853  
 FH=1.853

Ground Height	1.85	m	Formation Height	1.853	m
Earth Work	0.0	0.2	0.2	0.2	0.2
Earth Work	0.0	0.2	0.2	0.2	0.2
Slope Protection	0.0	0.0	0.0	0.0	0.0
Left Side	0.0	0.0	0.0	0.0	0.0
Right Side	0.0	0.0	0.0	0.0	0.0
Shoulder	0.0	0.0	0.0	0.0	0.0
Surf. Course	2.00	2.00	2.00	2.00	2.00
Base Course	2.00	2.00	2.00	2.00	2.00

**STA. 11+700**  
 GH=1.53  
 FH=1.853



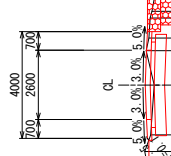
**Datum -2.**

12.00	10.69	9.53	6.14	5.70	1.79	0.00	1.01	2.31	3.15	3.47	3.78	10.73	10.80	11.30	11.62	12.00
Offset	1.59	1.57	1.52	1.52	1.46	1.53	1.48	1.51	1.53	1.51	1.50	0.81	0.78	0.76	0.74	0.74

**STA. 11+600**  
 GH=1.07  
 FH=1.392

Ground Height	1.07	m	Formation Height	1.392	m
Earth Work	0.0	0.0	0.0	0.0	0.0
Earth Work	0.0	0.0	0.0	0.0	0.0
Slope Protection	0.0	0.0	0.0	0.0	0.0
Left Side	0.0	0.0	0.0	0.0	0.0
Right Side	0.0	0.0	0.0	0.0	0.0
Shoulder	0.0	0.0	0.0	0.0	0.0
Surf. Course	2.00	2.00	2.00	2.00	2.00
Base Course	2.00	2.00	2.00	2.00	2.00

**STA. 11+600**  
 GH=1.07  
 FH=1.392



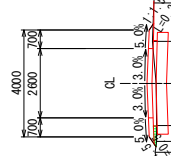
**Datum -2.**

12.00	10.54	8.90	6.32	5.13	2.49	0.00	1.28	1.76	2.50	2.76	3.32	10.55	9.83	8.04	6.37	5.55
Offset	1.22	1.26	1.24	1.21	1.42	1.07	1.37	1.26	1.21	1.14	1.05	0.77	0.67	0.59	0.55	0.55

**STA. 11+800**  
 GH=2.00  
 FH=2.325

Ground Height	2.00	m	Formation Height	2.325	m
Earth Work	0.0	0.0	0.0	0.0	0.0
Earth Work	0.0	0.0	0.0	0.0	0.0
Slope Protection	0.0	0.0	0.0	0.0	0.0
Left Side	0.0	0.0	0.0	0.0	0.0
Right Side	0.0	0.0	0.0	0.0	0.0
Shoulder	0.0	0.0	0.0	0.0	0.0
Surf. Course	2.00	2.00	2.00	2.00	2.00
Base Course	2.00	2.00	2.00	2.00	2.00

**STA. 11+800**  
 GH=2.00  
 FH=2.325



**Datum -1.**

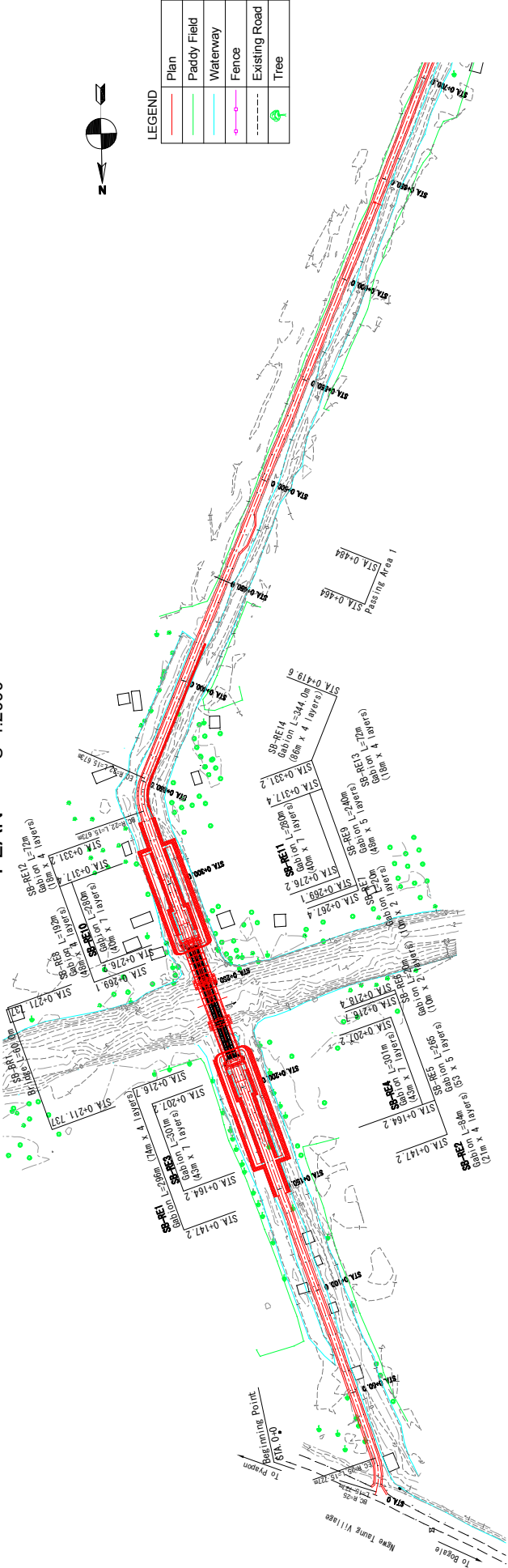
11.54	6.83	5.63	4.43	3.93	2.57	0.00	1.57	2.12	2.00	1.58	1.98	2.01	8.74	9.16	10.00	12.00
Offset	2.05	2.09	1.89	1.85	2.02	2.00	2.12	2.12	2.00	1.97	1.98	2.01	1.93	1.97	2.24	2.01

 THE REPUBLIC OF THE UNION OF MYANMAR AYE YARWADY REGION	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Sit Sali Htone Village Tract Route Sit Sali Htone	SHEET CONTENTS CROSS SECTION STA.11+600 ~ STA.11+800	SCALE DATE PAGE NO.	S=1:200 DEC 2018 54 / 129
	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.					

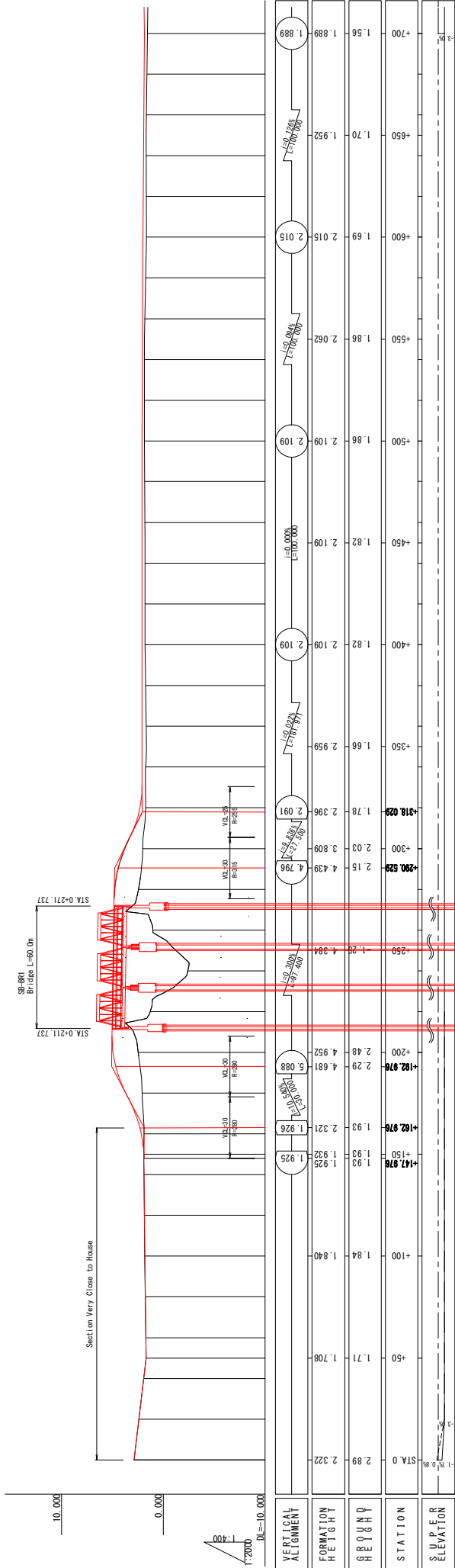


# PLAN & PROFILE (1/6)

PLAN S=1:2000



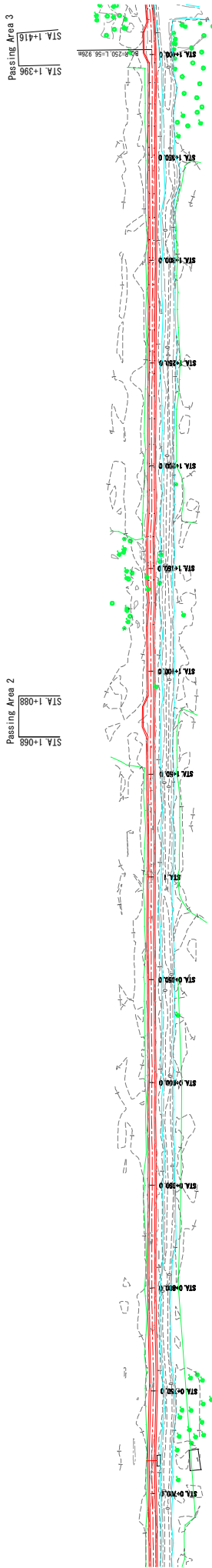
# PROFILE V=1:400 H=1:2000



THE REPUBLIC OF THE UNION OF MYANMAR	JAPAN INTERNATIONAL COOPERATION AGENCY	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	SHEET CONTENTS	SCALE	As Shown
AYEYARWADY REGION	YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	Rural Infrastructure Development in Local Areas	PLAN & PROFILE (1/6) STA.0+000 ~ STA.0+700	DATE	DEC 2018
		Route Sa Bai Kone		PAGE NO.	55 / 129

# PLAN & PROFILE (2/6)

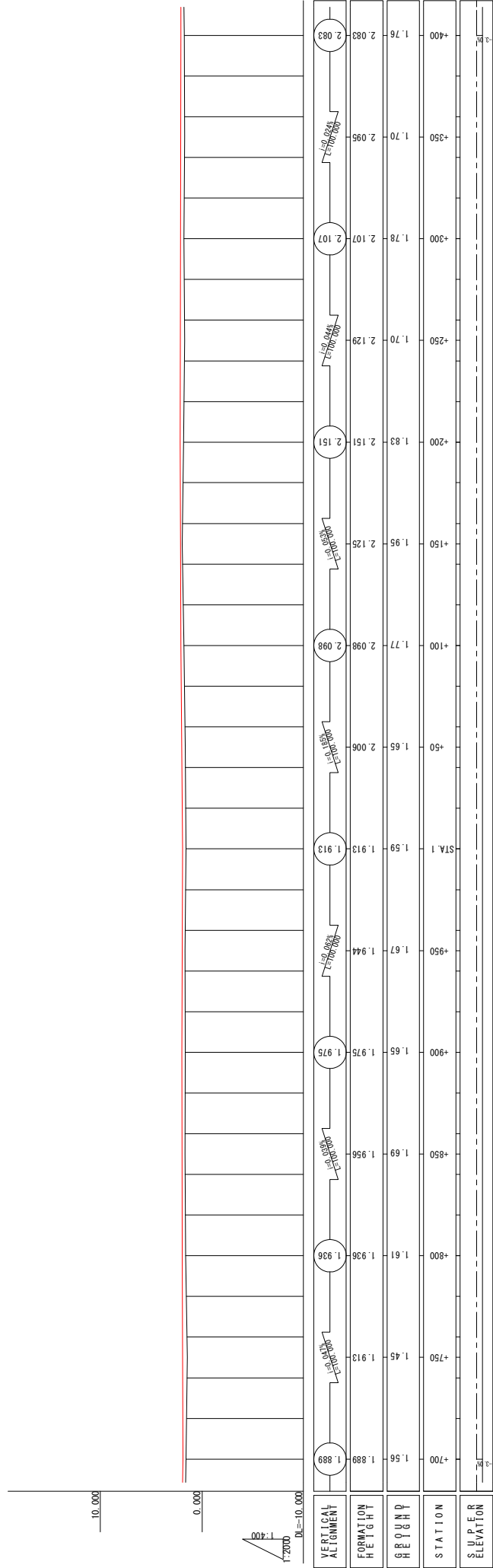
PLAN S=1:2000



**LEGEND**

	Plan
	Paddy Field
	Waterway
	Fence
	Existing Road
	Tree

PROFILE  
V=1:400  
H=1:2000



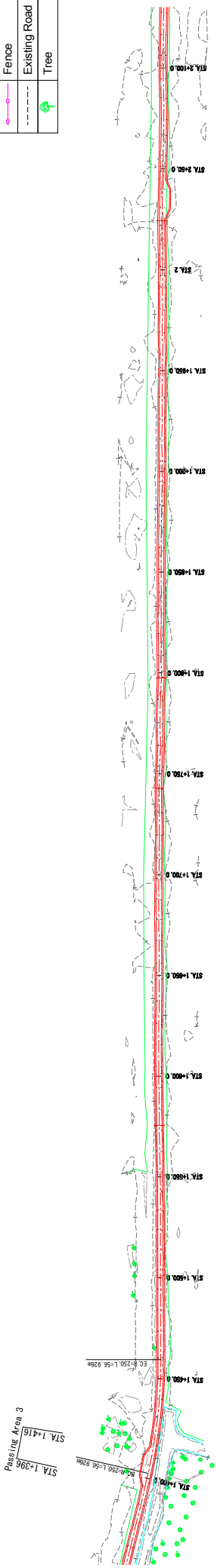
THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		SHEET CONTENTS		SCALE		As Shown	
THE REPUBLIC OF THE UNION OF MYANMAR		Sa Bai Kone Village Tract		PLAN & PROFILE (2/6)		DATE	
AYEYARWADY REGION		Route Sa Bai Kone		STA.0+700 ~ STA.1+400		DEC 2018	
JICA Yachiyo Engineering Co., Ltd. NIPPON KOEI CO., LTD.		JAPAN INTERNATIONAL COOPERATION AGENCY		YACHIYO ENGINEERING CO., LTD.		PAGE NO.	
						56 / 129	

# PLAN & PROFILE (3/6)

PLAN S=1:2000

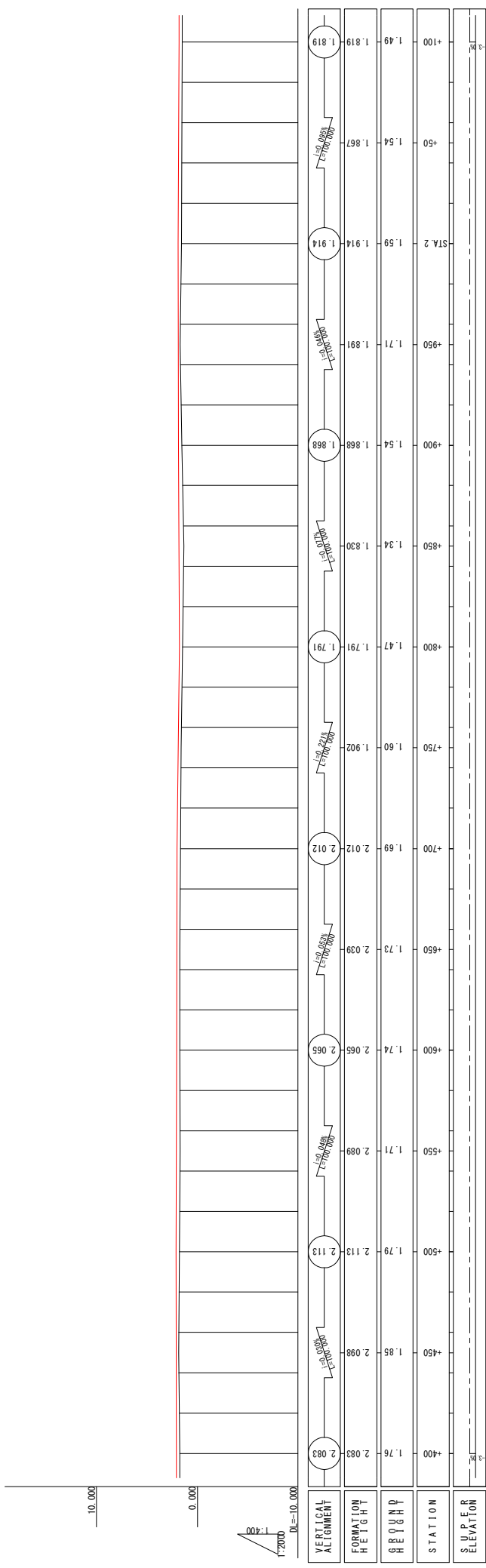
LEGEND

	Plan
	Paddy Field
	Waterway
	Fence
	Existing Road
	Tree



Passing Area 4  
STA 2+025  
STA 2+045

PROFILE  
V=1:400  
H=1:2000



VERTICAL ALIGNMENT	FORMATION HEIGHT	GROUND HEIGHT	STATION	SUPER ELEVATION
(2.083)	1.76	2.083	+400	
(2.113)	1.79	2.113	+500	
(2.089)	1.71	2.089	+550	
(2.065)	1.74	2.065	+600	
(2.012)	1.69	2.012	+700	
(1.791)	1.47	1.791	+800	
(1.868)	1.54	1.868	+900	
(1.914)	1.59	1.914	+950	
(1.867)	1.54	1.867	+1000	
(1.819)	1.49	1.819	+1050	

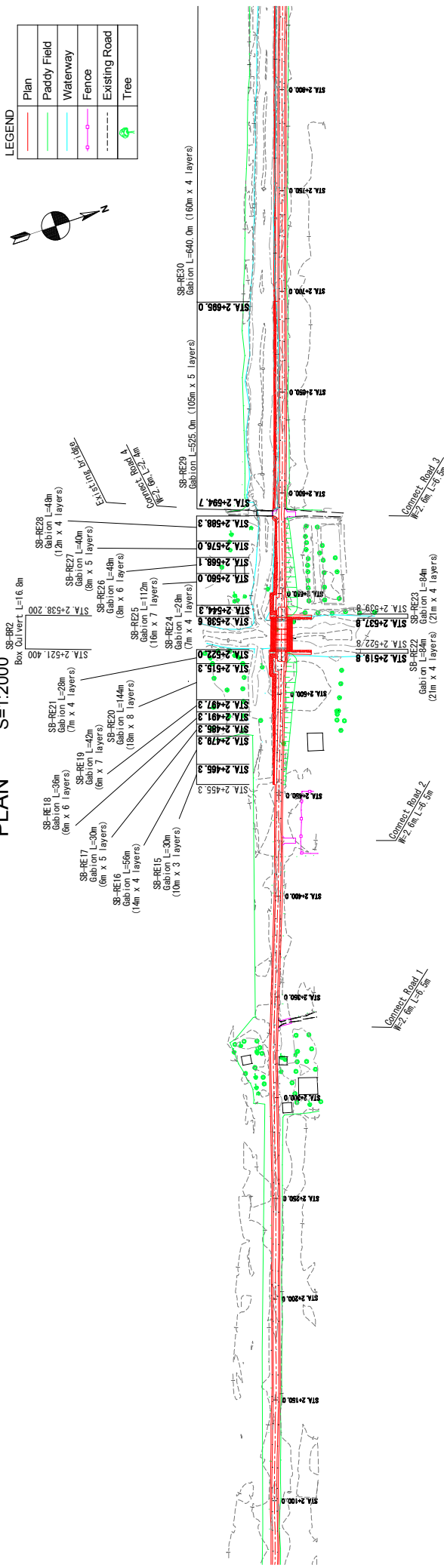
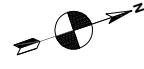
THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION			JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Sa Bai Kone Village Tract Route Sa Bai Kone		SHEET CONTENTS PLAN & PROFILE (3/6) STA.1+400 ~ STA.2+100		SCALE	As Shown
	DATE	DEC 2018	PAGE NO.	57 / 129								

# PLAN & PROFILE (4/6)

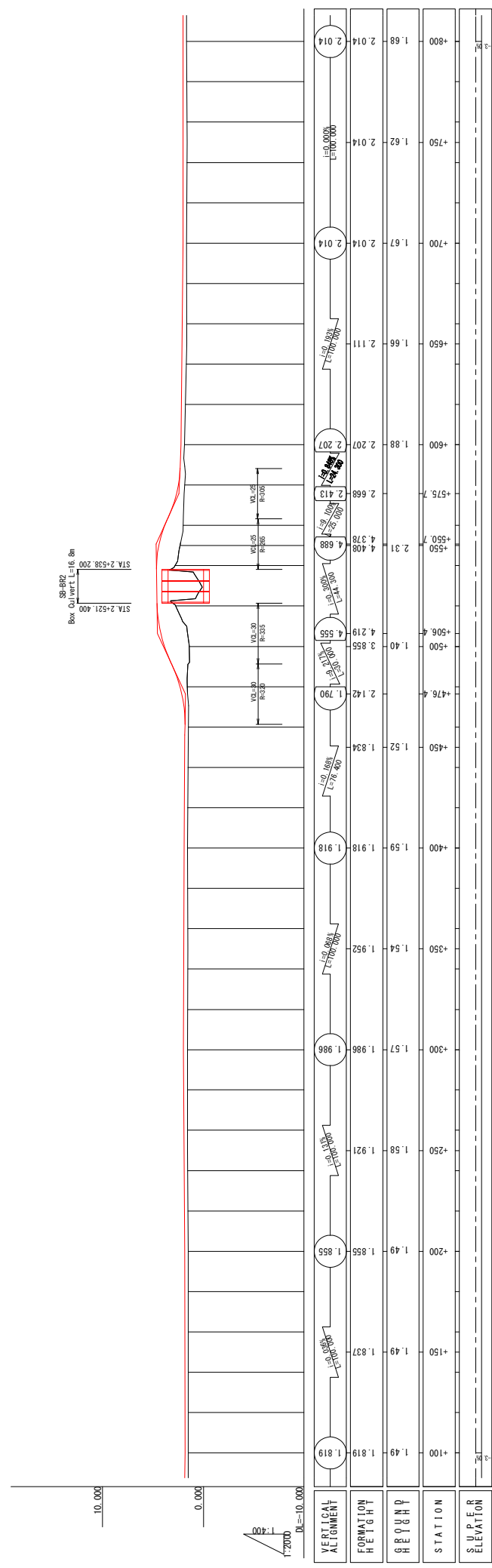
PLAN S=1:2000

LEGEND

	Plan
	Paddy Field
	Waterway
	Fence
	Existing Road
	Tree



PROFILE V=1:400 H=1:2000



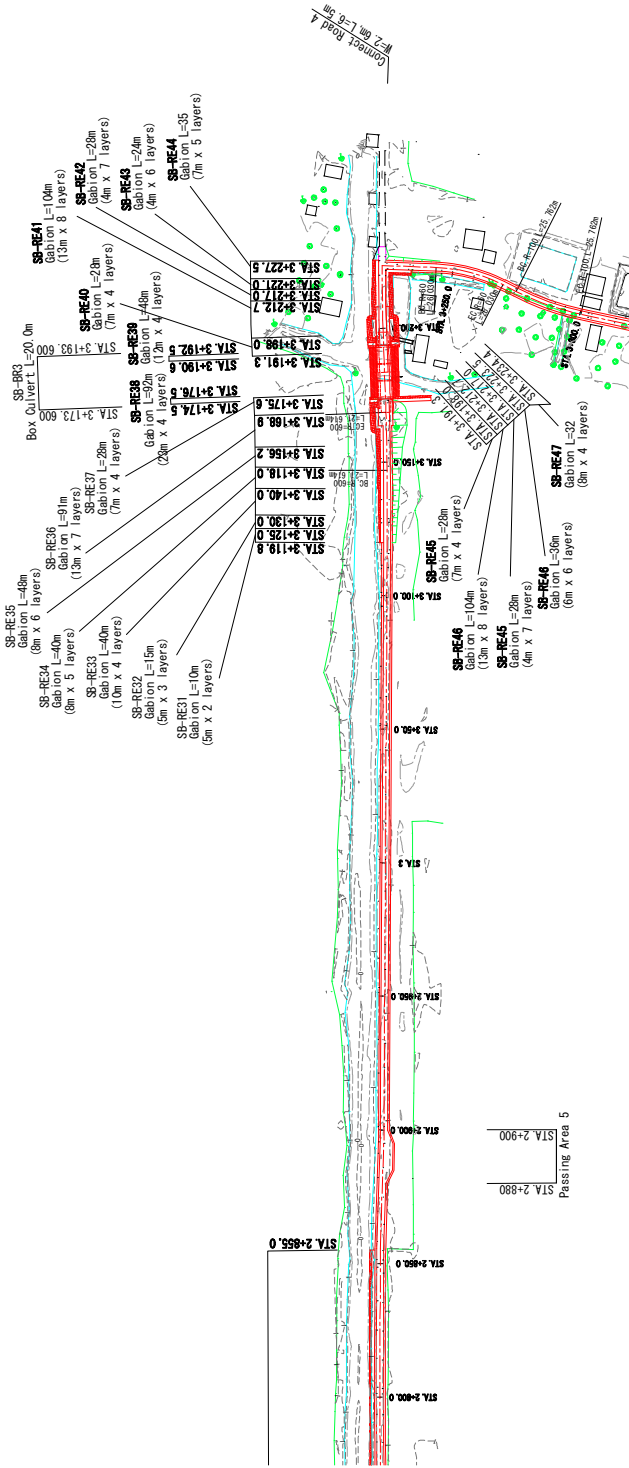
THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		SHEET CONTENTS PLAN & PROFILE (4/6) STA.2+100 ~ STA.2+800		SCALE As Shown
	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		Sa Bai Kone Village Tract Route Sa Bai Kone		DATE DEC 2018
					PAGE NO. 58 / 129

# PLAN & PROFILE (5/6)

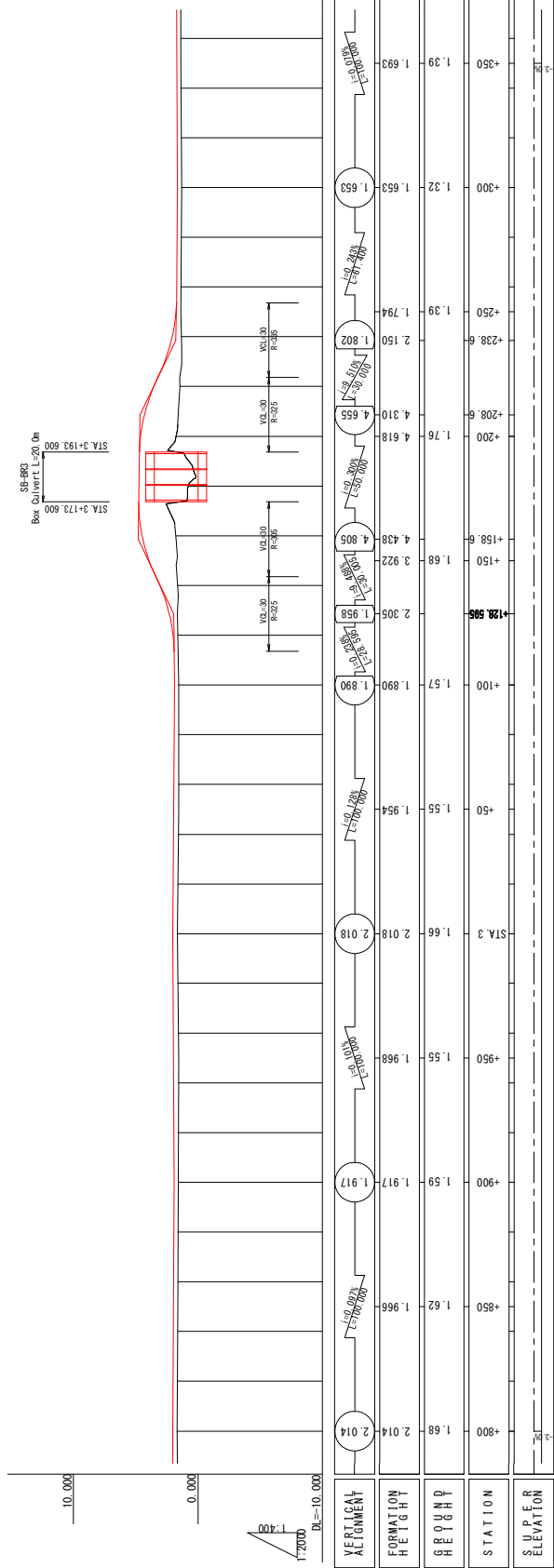
PLAN S=1:2000

LEGEND

	Plan
	Paddy Field
	Waterway
	Fence
	Existing Road
	Tree



# PROFILE V=1:400 H=1:2000

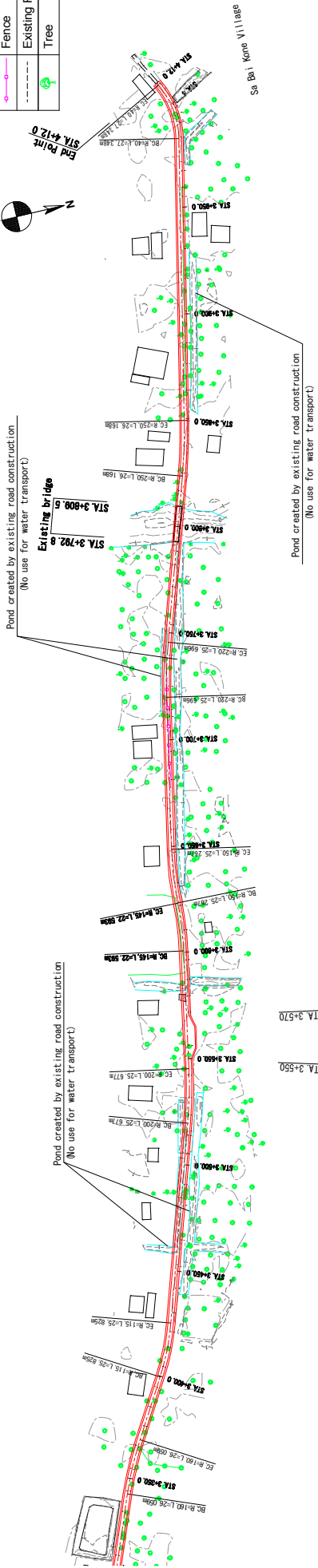


THE REPUBLIC OF THE UNION OF MYANMAR	AYEYARWADY REGION	THE PROJECT FOR		SHEET CONTENTS	SCALE	As Shown
		RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS				
JAPAN INTERNATIONAL COOPERATION AGENCY		Sa Bai Kone Village Tract		PLAN & PROFILE (5/6) STA.2+800 ~ STA.3+350	DATE	DEC 2018
YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		Route Sa Bai Kone			PAGE NO.	59 / 129

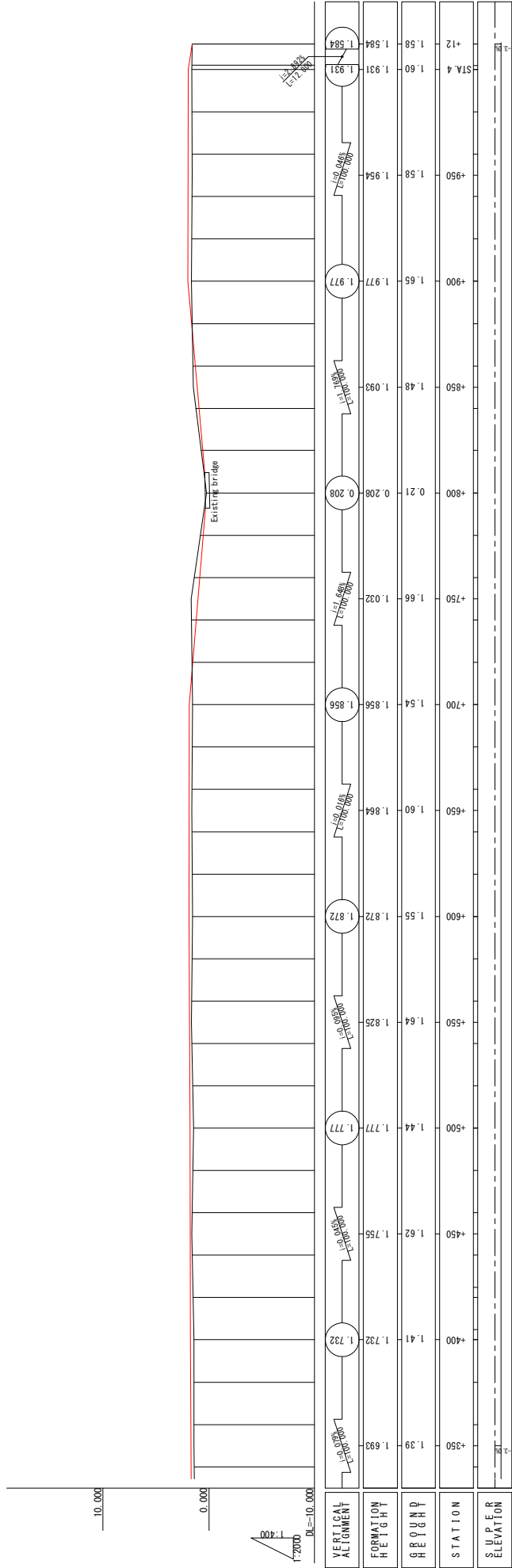
# PLAN & PROFILE (6/6)

PLAN S=1:2000

LEGEND	
	Plan
	Paddy Field
	Waterway
	Fence
	Existing Road
	Tree

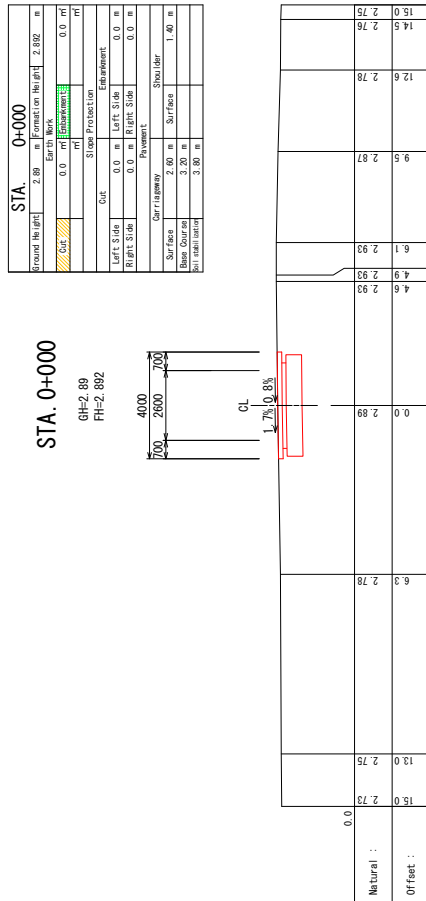
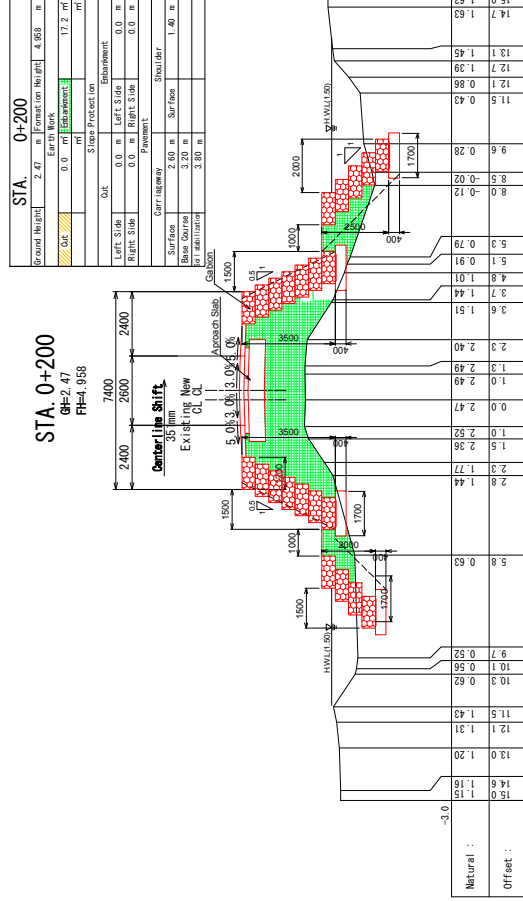
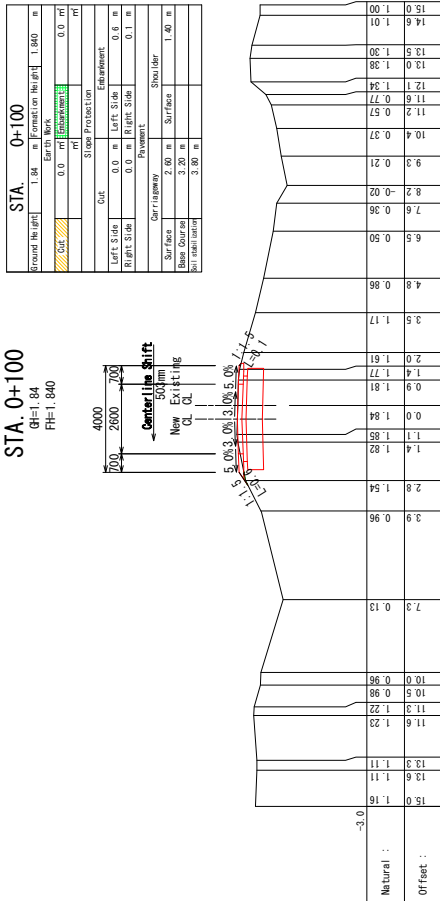
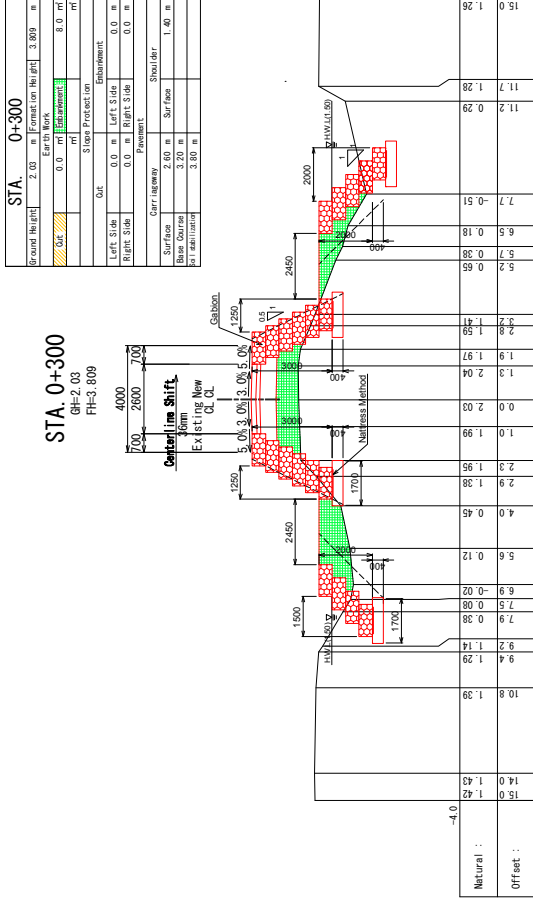


PROFILE  
V=1:400  
H=1:2000



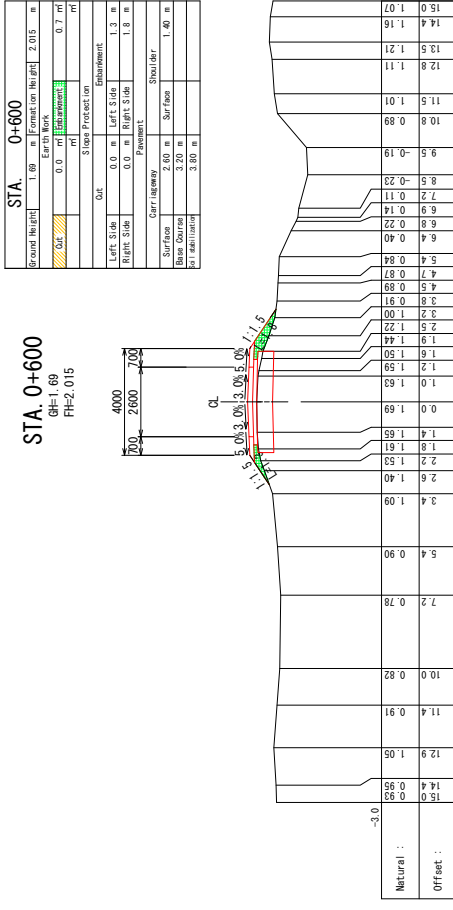
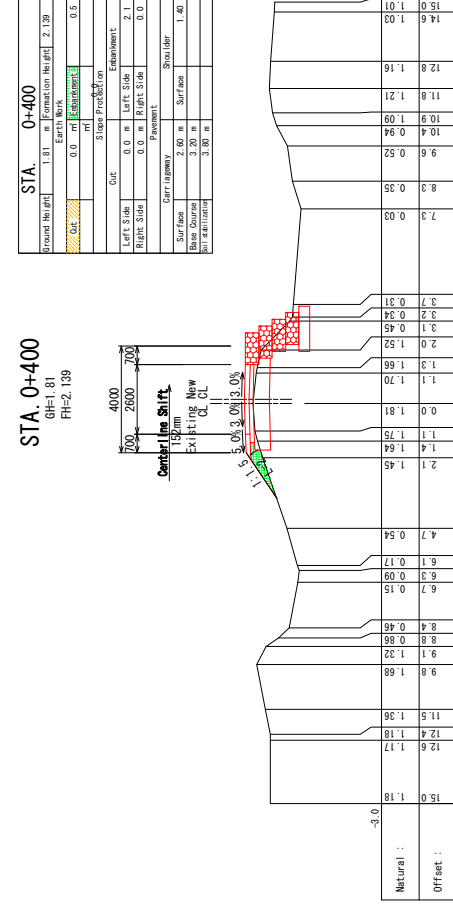
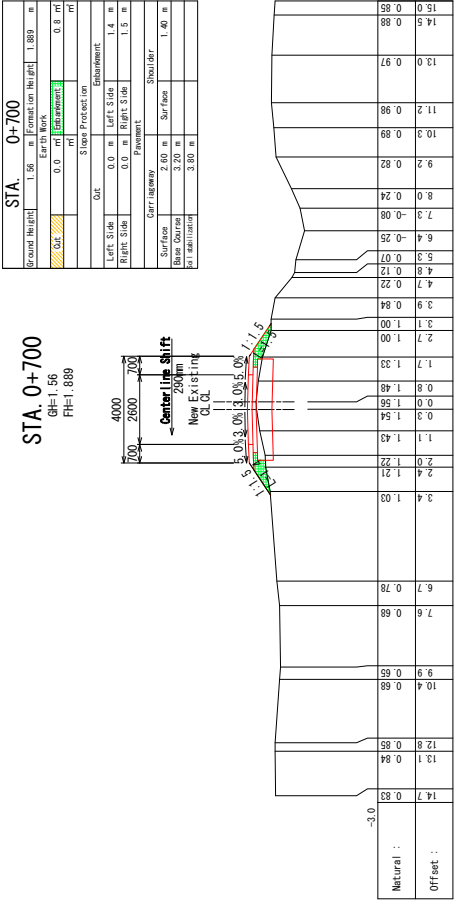
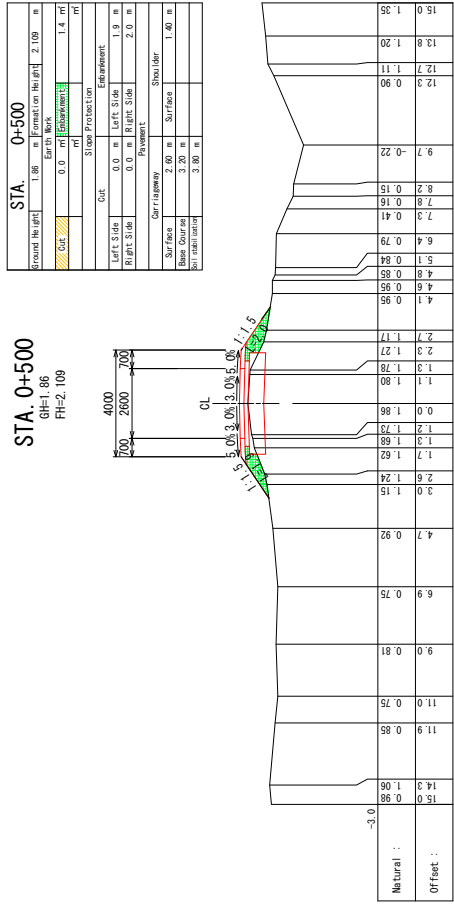
THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		SHEET CONTENTS PLAN & PROFILE (6/6) STA.3+350 ~ STA.4+100	SCALE	As Shown
	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.			DATE	DEC 2018
Sa Bai Kone Village Tract		Route Sa Bai Kone		PAGE NO.	60 / 129

# CROSS SECTION (1/11)



 THE REPUBLIC OF THE UNION OF MYANMAR	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.  NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Sa Bai Kone Village Tract Route Sa Bai Kone		SHEET CONTENTS CROSS SECTION STA.0+0 ~ STA.0+300		SCALE S=1:200
		AYEYARWADY REGION		DATE DEC 2018	PAGE NO. 61 / 129			

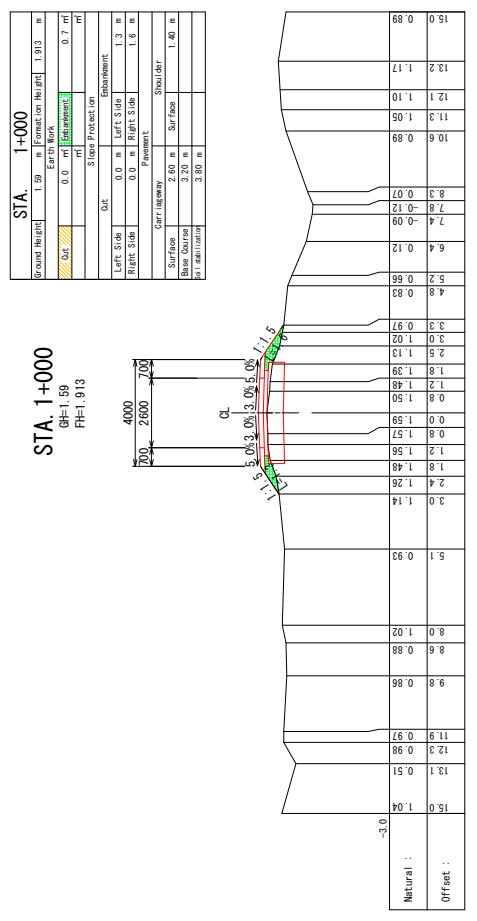
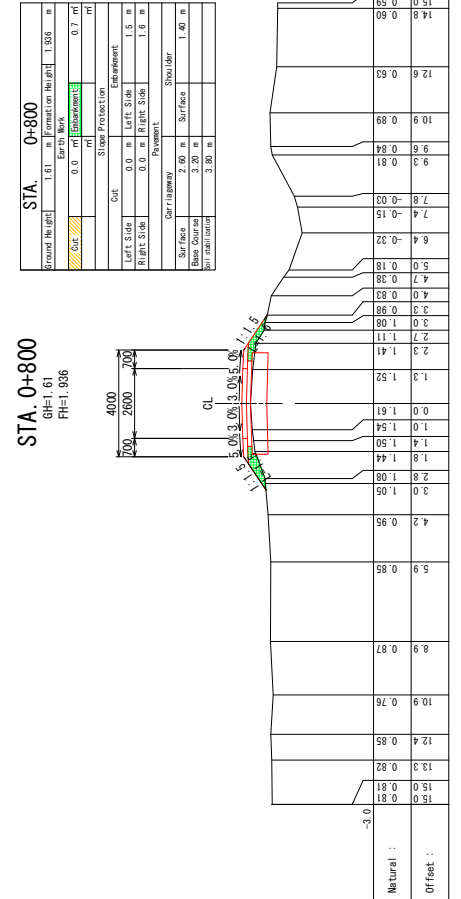
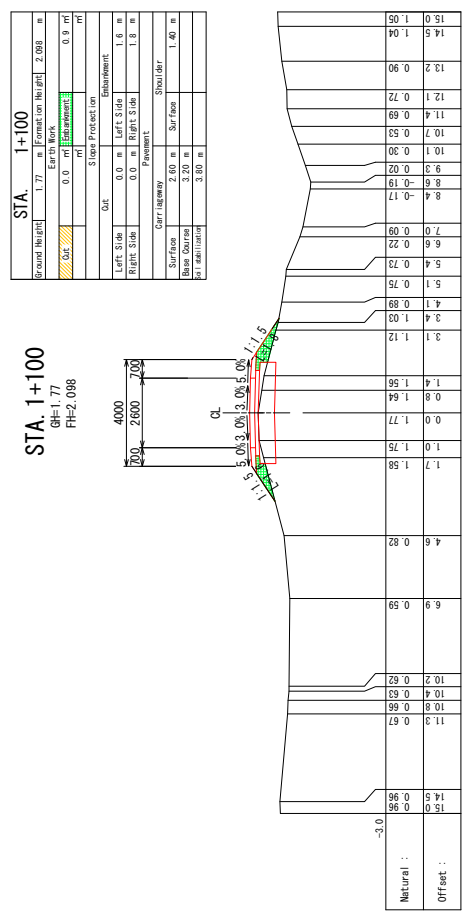
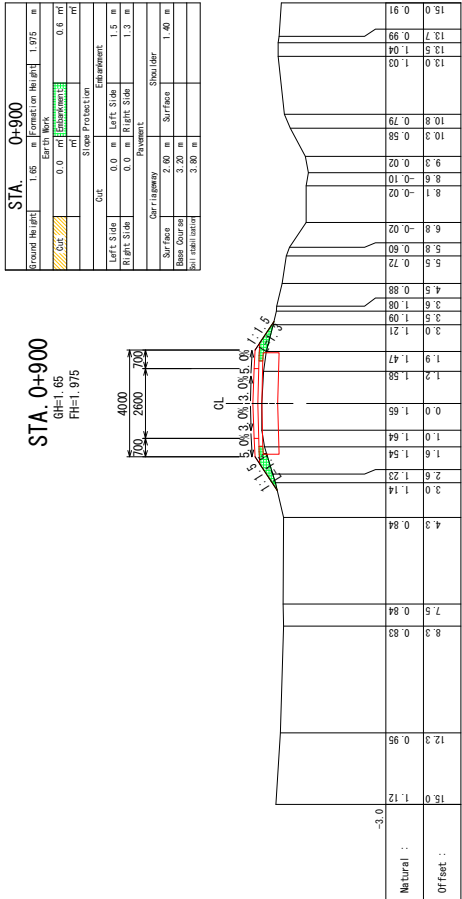
# CROSS SECTION (2/11)



Scale Horizontal 1:200 Vertical 1:200



# CROSS SECTION (3/11)



	THE REPUBLIC OF THE UNION OF MYANMAR		JAPAN INTERNATIONAL COOPERATION AGENCY		NIPPON KOEI CO., LTD.
	AYEYARWADY REGION		YACHIYO ENGINEERING CO., LTD.		NIPPON KOEI CO., LTD.
THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS			Sa Bai Kone Village Tract	SHEET CONTENTS	
Route Sa Bai Kone			CROSS SECTION STA.0+800 ~ STA.1+100		
Route Sa Bai Kone			SCALE	S=1:200	
Route Sa Bai Kone			DATE	DEC 2018	
Route Sa Bai Kone			PAGE NO.	63 / 129	

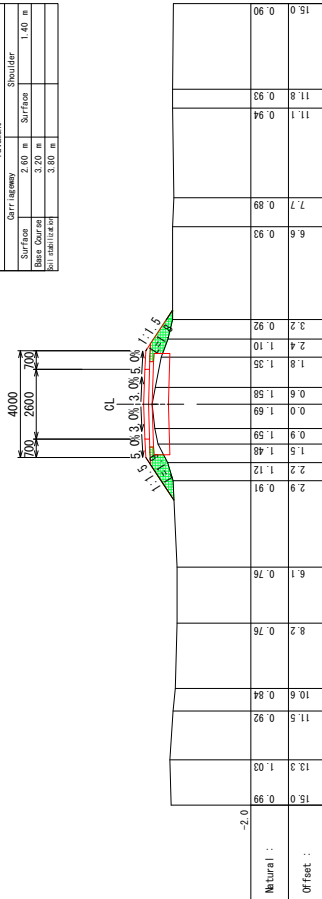


# CROSS SECTION (5/11)

**STA. 1+700**

Ground Height	1.69 m	Formation Height	2.02 m
Earth Work			
Cut	0.0 m	Embankment	1.4 m
Slope Protection			
Out			
Left Side			
0.0 m	Left Side	1.9 m	
Right Side			
0.0 m	Right Side	1.8 m	
Shoulder			
Surface	2.60 m	Surface	1.40 m
Base Course	3.20 m	Surface	1.40 m
Bituminous	3.80 m		

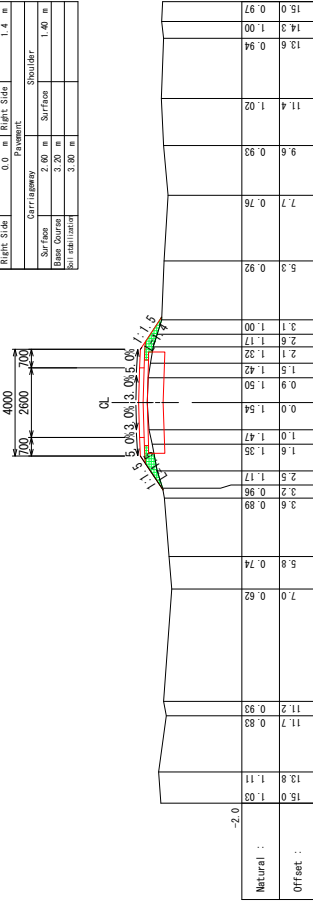
**STA. 1+700**  
GH=1.69  
FH=2.012



**STA. 1+900**

Ground Height	1.54 m	Formation Height	1.868 m
Earth Work			
Cut	0.0 m	Embankment	0.7 m
Slope Protection			
Out			
Left Side			
0.0 m	Left Side	1.5 m	
Right Side			
0.0 m	Right Side	1.4 m	
Shoulder			
Surface	2.60 m	Surface	1.40 m
Base Course	3.20 m	Surface	1.40 m
Bituminous	3.80 m		

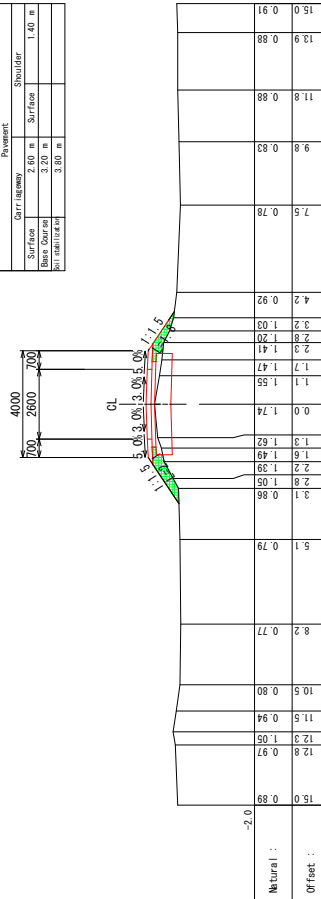
**STA. 1+900**  
GH=1.54  
FH=1.868



**STA. 1+600**

Ground Height	1.74 m	Formation Height	2.065 m
Earth Work			
Cut	0.0 m	Embankment	1.2 m
Slope Protection			
Out			
Left Side			
0.0 m	Left Side	2.1 m	
Right Side			
0.0 m	Right Side	1.8 m	
Shoulder			
Surface	2.60 m	Surface	1.40 m
Base Course	3.20 m	Surface	1.40 m
Bituminous	3.80 m		

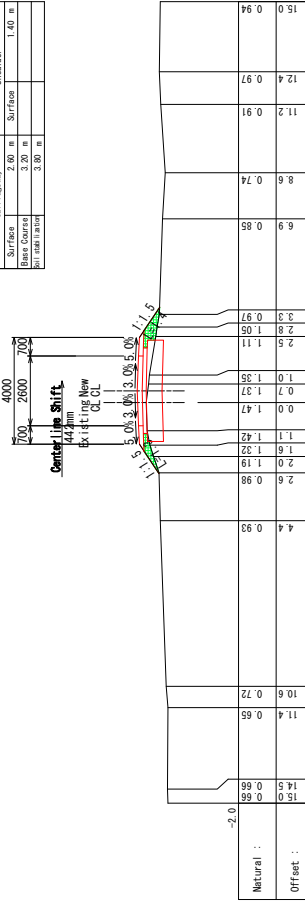
**STA. 1+600**  
GH=1.74  
FH=2.065



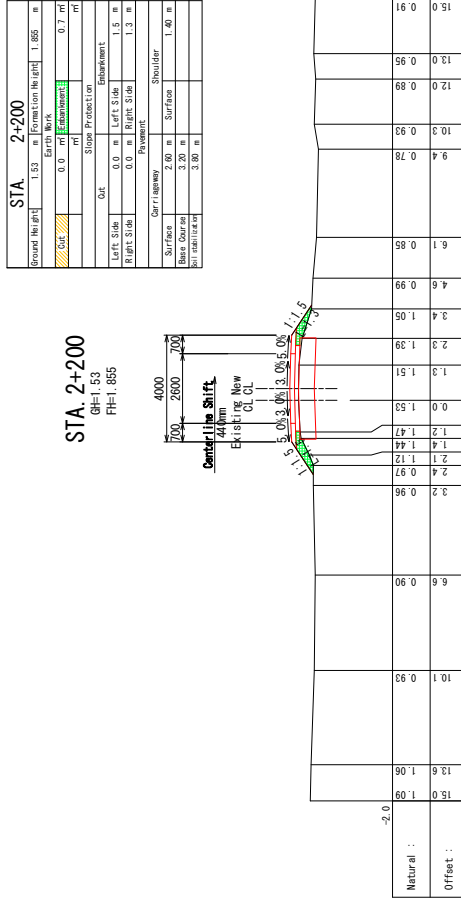
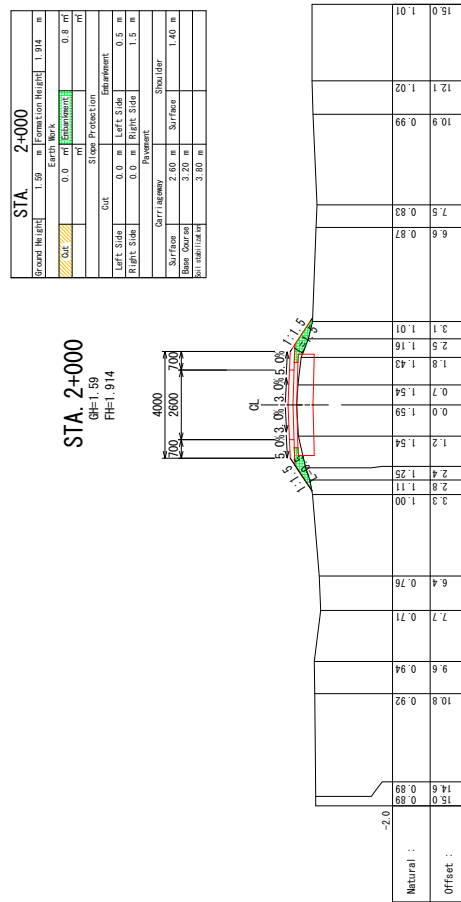
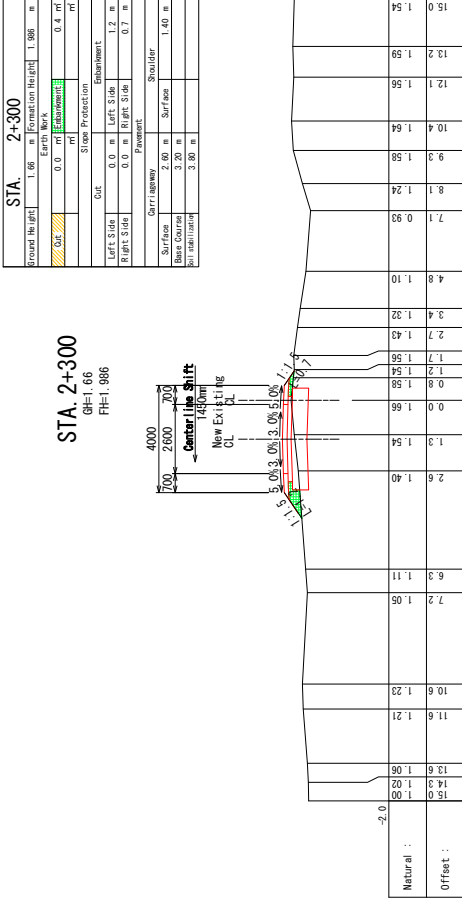
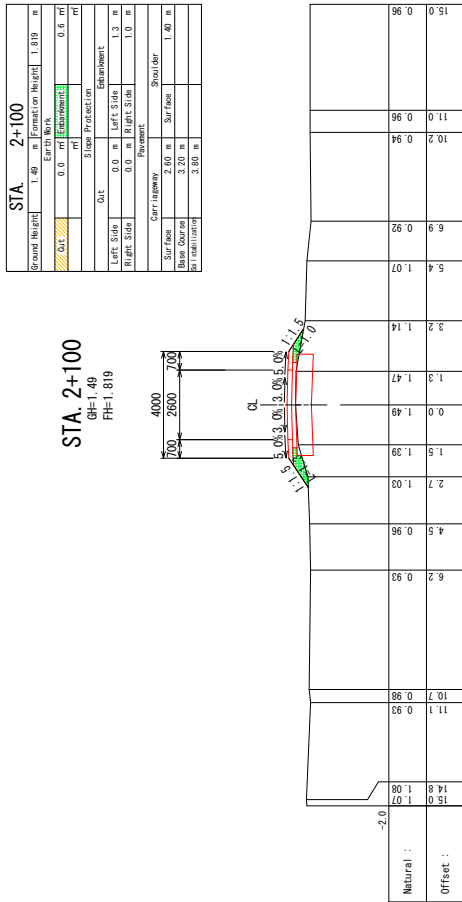
**STA. 1+800**

Ground Height	1.47 m	Formation Height	1.791 m
Earth Work			
Cut	0.0 m	Embankment	0.7 m
Slope Protection			
Out			
Left Side			
0.0 m	Left Side	1.3 m	
Right Side			
0.0 m	Right Side	1.4 m	
Shoulder			
Surface	2.60 m	Surface	1.40 m
Base Course	3.20 m	Surface	1.40 m
Bituminous	3.80 m		

**STA. 1+800**  
GH=1.47  
FH=1.791



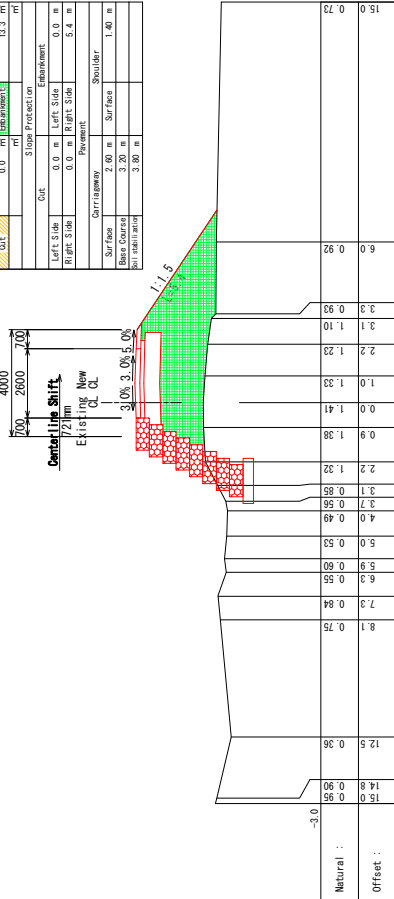
# CROSS SECTION (6/11)



# CROSS SECTION (7/11)

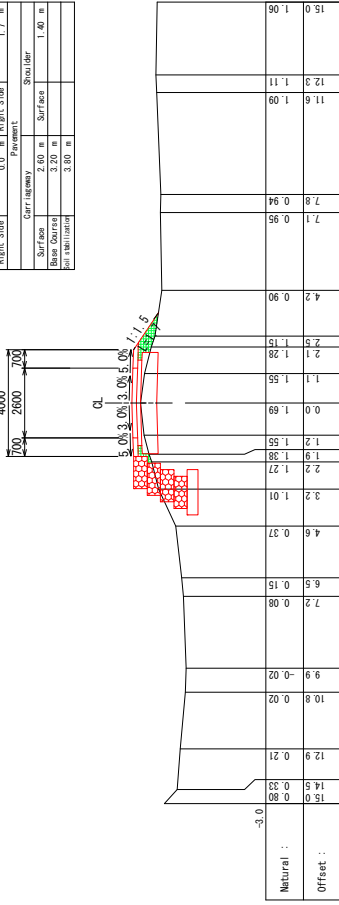
**STA. 2+500**  
GH=1.41  
FH=3.956

<b>STA. 2+500</b>	
Ground Height	1.41 m
Formation Height	3.956 m
Earth Work	13.3 m <sup>3</sup>
Cut	0.0 m <sup>3</sup>
Slope Protection	0.0 m <sup>2</sup>
Embankment	0.0 m <sup>2</sup>
Left Side	0.0 m
Right Side	0.0 m
Left Side	0.0 m
Right Side	5.4 m
Surface	2.00 m
Shoulder	1.40 m
Base Course	3.20 m
Sub stabilization	3.30 m



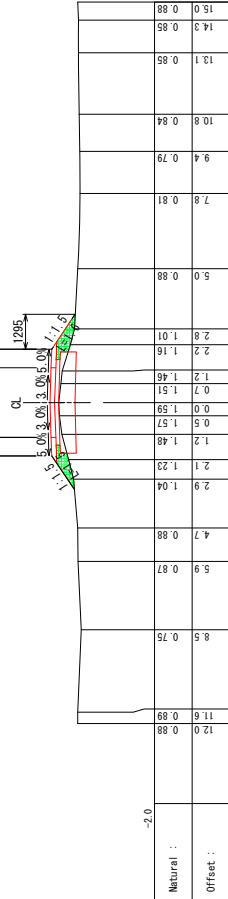
<b>STA. 2+700</b>	
Ground Height	1.89 m
Formation Height	2.014 m
Earth Work	0.0 m <sup>3</sup>
Cut	0.0 m <sup>3</sup>
Slope Protection	0.0 m <sup>2</sup>
Embankment	0.0 m <sup>2</sup>
Left Side	0.0 m
Right Side	0.0 m
Left Side	0.0 m
Right Side	1.7 m
Surface	3.20 m
Shoulder	1.40 m
Base Course	3.20 m
Sub stabilization	3.30 m

**STA. 2+700**  
GH=1.69  
FH=2.014



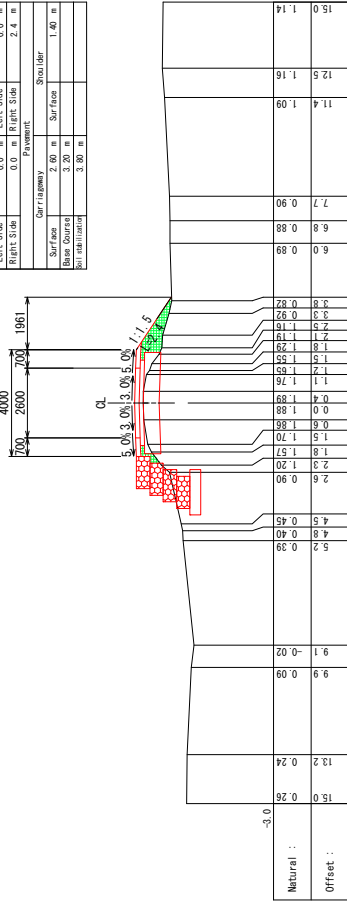
**STA. 2+400**  
GH=1.59  
FH=1.591

<b>STA. 2+400</b>	
Ground Height	1.59 m
Formation Height	1.916 m
Earth Work	1.0 m <sup>3</sup>
Cut	0.0 m <sup>3</sup>
Slope Protection	0.0 m <sup>2</sup>
Embankment	0.0 m <sup>2</sup>
Left Side	0.0 m
Right Side	0.0 m
Left Side	1.5 m
Right Side	1.5 m
Surface	2.00 m
Shoulder	1.40 m
Base Course	3.20 m
Sub stabilization	3.30 m



<b>STA. 2+600</b>	
Ground Height	1.38 m
Formation Height	2.207 m
Earth Work	1.2 m <sup>3</sup>
Cut	0.0 m <sup>3</sup>
Slope Protection	0.0 m <sup>2</sup>
Embankment	0.0 m <sup>2</sup>
Left Side	0.0 m
Right Side	0.0 m
Left Side	2.4 m
Right Side	2.4 m
Surface	2.00 m
Shoulder	1.40 m
Base Course	3.20 m
Sub stabilization	3.30 m

**STA. 2+600**  
GH=1.38  
FH=2.207



THE REPUBLIC OF THE UNION OF MYANMAR

AYEYARWADY REGION



JAPAN INTERNATIONAL COOPERATION AGENCY  
YACHIYO ENGINEERING CO., LTD.  
NIPPON KOEI CO., LTD.

THE PROJECT FOR  
RURAL INFRASTRUCTURE DEVELOPMENT  
IN LOCAL AREAS

Route Sa Bai Kone

Sa Bai Kone Village Tract

SHEET CONTENTS  
CROSS SECTION  
STA.2+400 ~ STA.2+700

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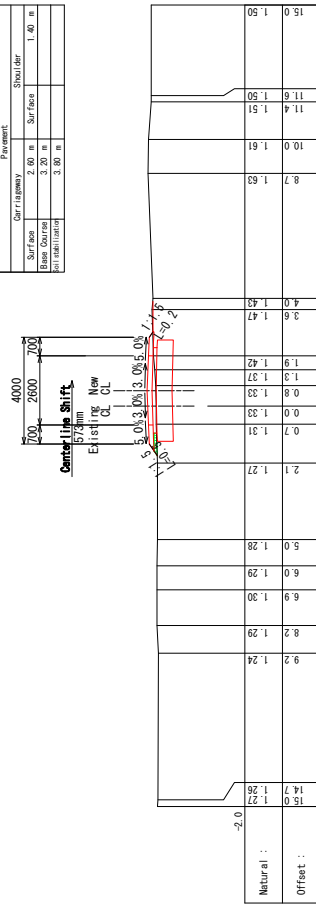


# CROSS SECTION (9/11)

**STA. 3-300**

Ground Height	1.33	m	Formation Height	1.63	m
Earth Work	0.0	m	Embankment	0.1	m
Out	0.0	m	Slope Protection	-	m
Left Side	0.0	m	Left Side	0.5	m
Right Side	0.0	m	Right Side	0.2	m
Carriageway	3.20	m	Surface	1.40	m
Blow Course	3.20	m	Shoulder	1.40	m
Per Installation	3.80	m			

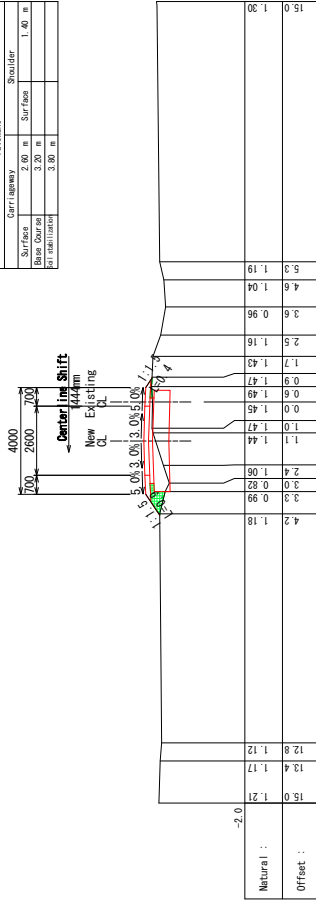
**STA. 3+300**  
 GH=1.33  
 FH=1.63



**STA. 3+500**

Ground Height	1.43	m	Formation Height	1.77	m
Earth Work	0.0	m	Embankment	0.4	m
Out	0.0	m	Slope Protection	-	m
Left Side	0.0	m	Left Side	0.4	m
Right Side	0.0	m	Right Side	0.4	m
Carriageway	3.20	m	Surface	1.40	m
Blow Course	3.20	m	Shoulder	1.40	m
Per Installation	3.80	m			

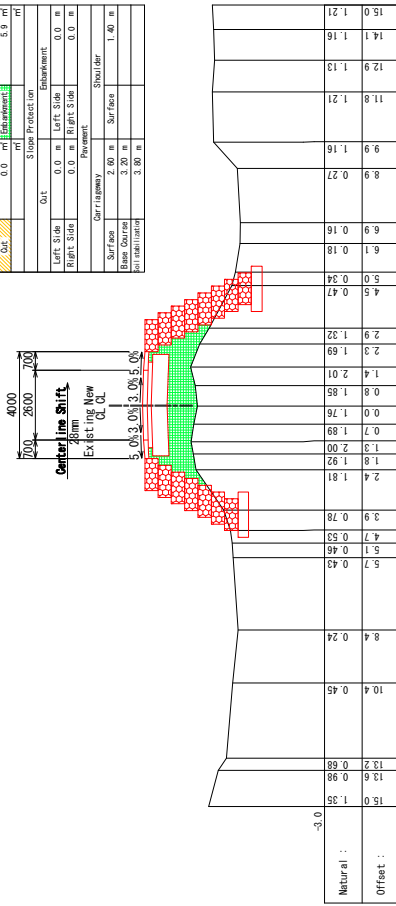
**STA. 3+500**  
 GH=1.43  
 FH=1.77



**STA. 3+200**

Ground Height	1.76	m	Formation Height	3.20	m
Earth Work	0.0	m	Embankment	5.9	m
Out	0.0	m	Slope Protection	-	m
Left Side	0.0	m	Left Side	0.0	m
Right Side	0.0	m	Right Side	0.0	m
Carriageway	3.20	m	Surface	1.40	m
Blow Course	3.20	m	Shoulder	1.40	m
Per Installation	3.80	m			

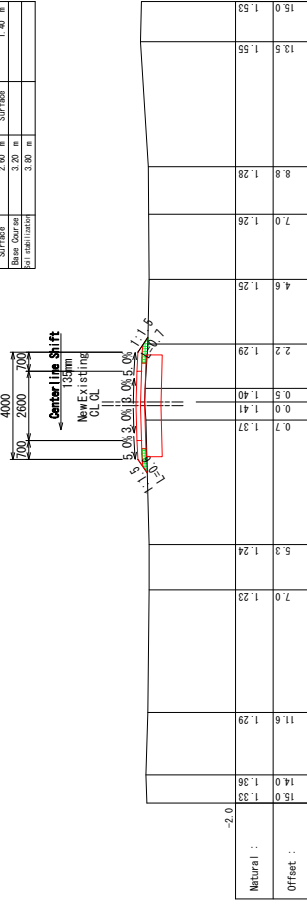
**STA. 3+200**  
 GH=1.76  
 FH=3.20



**STA. 3+400**

Ground Height	1.41	m	Formation Height	1.72	m
Earth Work	0.0	m	Embankment	0.3	m
Out	0.0	m	Slope Protection	-	m
Left Side	0.0	m	Left Side	0.6	m
Right Side	0.0	m	Right Side	0.7	m
Carriageway	3.20	m	Surface	1.40	m
Blow Course	3.20	m	Shoulder	1.40	m
Per Installation	3.80	m			

**STA. 3+400**  
 GH=1.41  
 FH=1.72

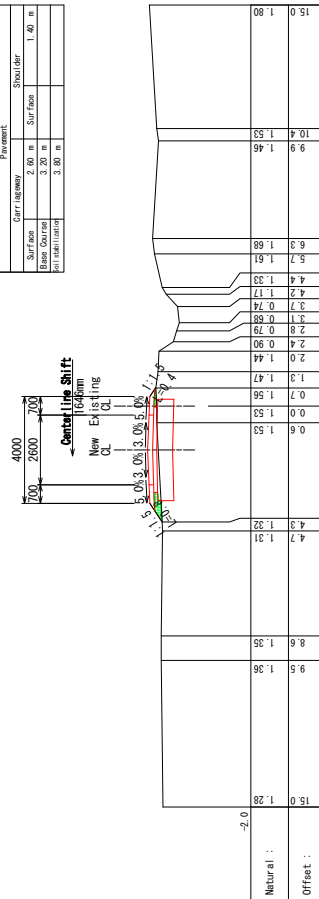


	THE REPUBLIC OF THE UNION OF MYANMAR	JICA YES NIPPON KOEI CO., LTD.	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Sa Bai Kone Village Tract Route Sa Bai Kone	SHEET CONTENTS CROSS SECTION STA.3+200 ~ STA.3+500	SCALE DATE PAGE NO.	S=1:200 DEC 2018 69 / 129
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# CROSS SECTION (10/11)

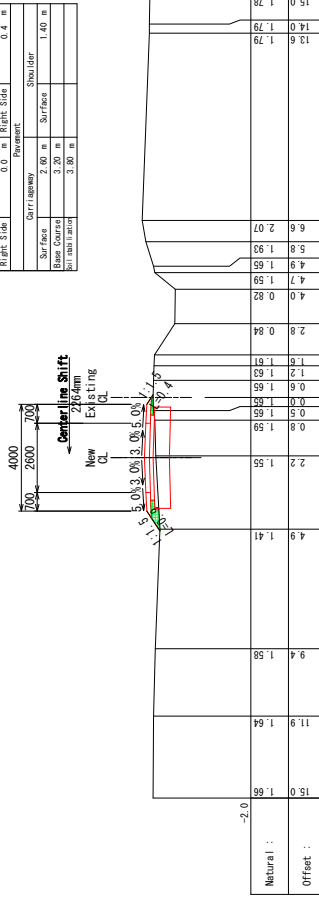
STA. 3+700  
GH=1.53  
FH=1.856

Ground Height	1.53 m	Formation Height	1.856 m
Earth Work	0.0 m	Embankment	0.2 m
Cut	0.0 m	Slope Protection	0.0 m
Left Side	0.0 m	Left Side Embankment	0.8 m
Right Side	0.0 m	Right Side	0.4 m
Pavement			
Carriageway	2.0 m	Shoulder	1.40 m
Surface	3.20 m	Surface	3.80 m
Base Course	3.20 m	Subgrade	3.80 m



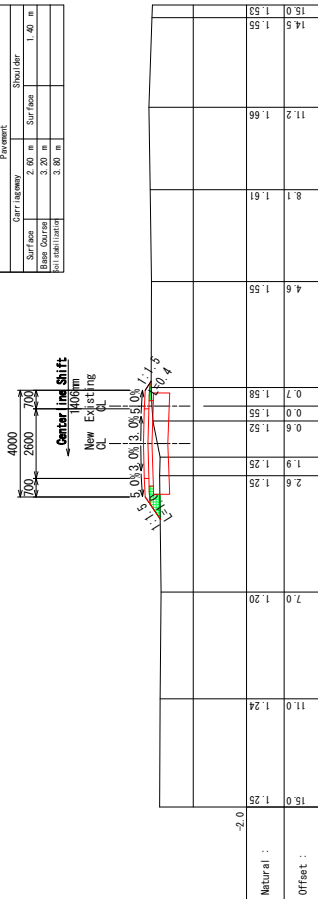
STA. 3+900  
GH=1.65  
FH=1.977

Ground Height	1.65 m	Formation Height	1.977 m
Earth Work	0.0 m	Embankment	0.3 m
Cut	0.0 m	Slope Protection	0.0 m
Left Side	0.0 m	Left Side Embankment	0.9 m
Right Side	0.0 m	Right Side	0.4 m
Pavement			
Carriageway	2.0 m	Shoulder	1.40 m
Surface	2.80 m	Surface	3.80 m
Base Course	2.80 m	Subgrade	3.80 m



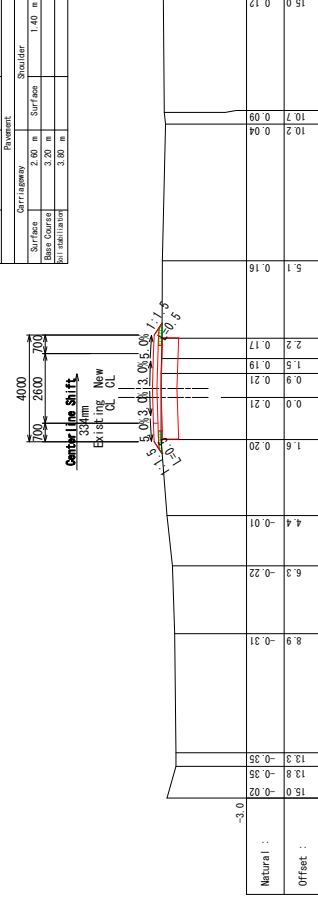
STA. 3+600  
GH=1.55  
FH=1.872

Ground Height	1.55 m	Formation Height	1.872 m
Earth Work	0.0 m	Embankment	0.3 m
Cut	0.0 m	Slope Protection	0.0 m
Left Side	0.0 m	Left Side Embankment	1.0 m
Right Side	0.0 m	Right Side	0.4 m
Pavement			
Carriageway	2.0 m	Shoulder	1.40 m
Surface	3.20 m	Surface	3.80 m
Base Course	3.20 m	Subgrade	3.80 m



STA. 3+800  
GH=0.21  
FH=0.553

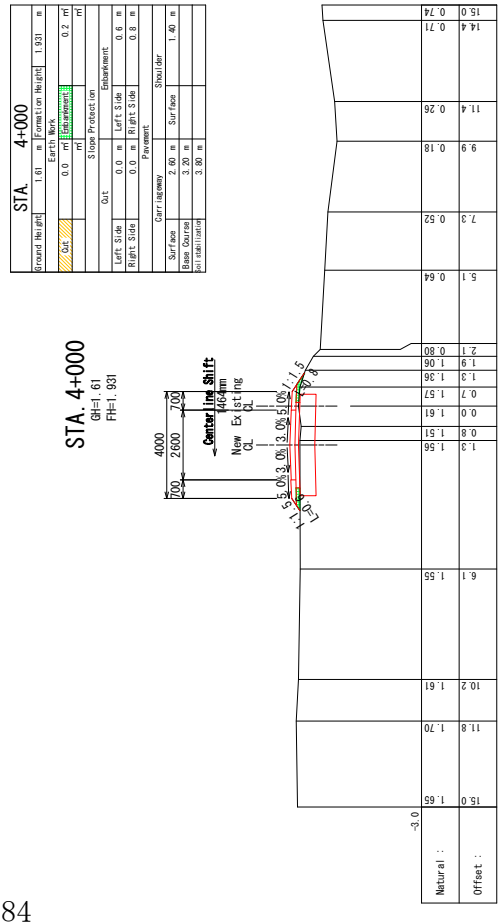
Ground Height	0.21 m	Formation Height	0.208 m
Earth Work	0.0 m	Embankment	0.2 m
Cut	0.0 m	Slope Protection	0.0 m
Left Side	0.0 m	Left Side Embankment	0.5 m
Right Side	0.0 m	Right Side	0.5 m
Pavement			
Carriageway	2.0 m	Shoulder	1.40 m
Surface	2.80 m	Surface	3.80 m
Base Course	2.80 m	Subgrade	3.80 m



THE REPUBLIC OF THE UNION OF MYANMAR	AYEYARWADY REGION	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Sa Bai Kone Village Tract	SHEET CONTENTS		SCALE S=1:200	
		YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		Route Sa Bai Kone		CROSS SECTION STA.3+600 ~ STA.3+900		DATE DEC 2018
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# CROSS SECTION (11/11)



Scale: Horizontal 1:200 Vertical 1:200

 THE REPUBLIC OF THE UNION OF MYANMAR  AYE YARWADY REGION	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Sa Bai Kone Village Tract  Route Sa Bai Kone		SHEET CONTENTS  CROSS SECTION STA 4+000		SCALE S=1:200
		DATE DEC 2018	PAGE NO. 71 / 129					

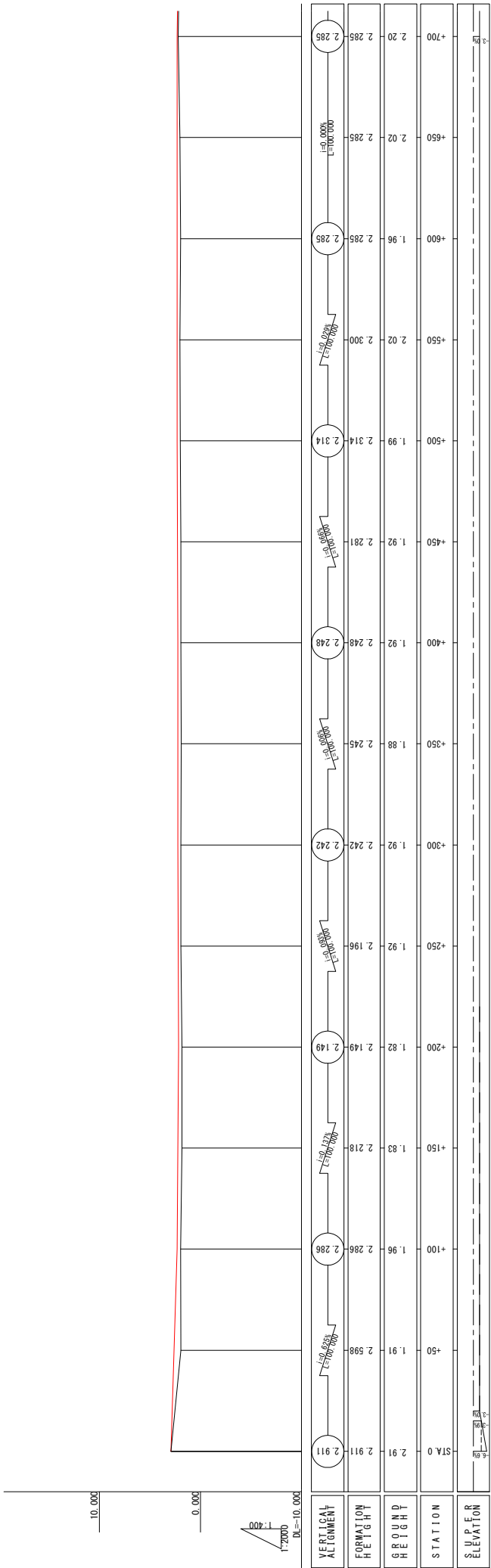
# PLAN & PROFILE (1/8)

PLAN S=1:2000



LEGEND	
	Plan
	Paddy Field
	Waterway
	Fence
	Existing Road
	Tree

PROFILE V=1:400  
H=1:2000



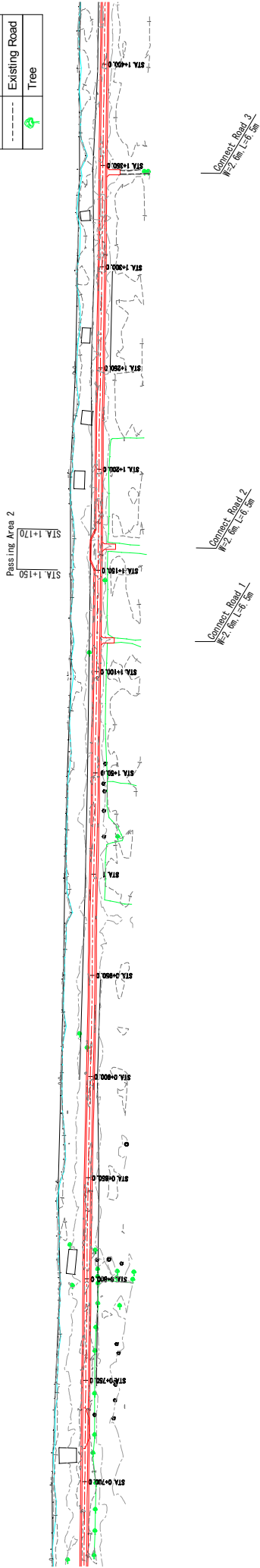
THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		The Kan Wa Village Tract Route Tha Kan Wa	SHEET CONTENTS PLAN & PROFILE (1/8) STA.0+0 ~ STA.0+700	SCALE DATE PAGE NO.	As Shown DEC 2018 72 / 129

# PLAN & PROFILE (2/8)

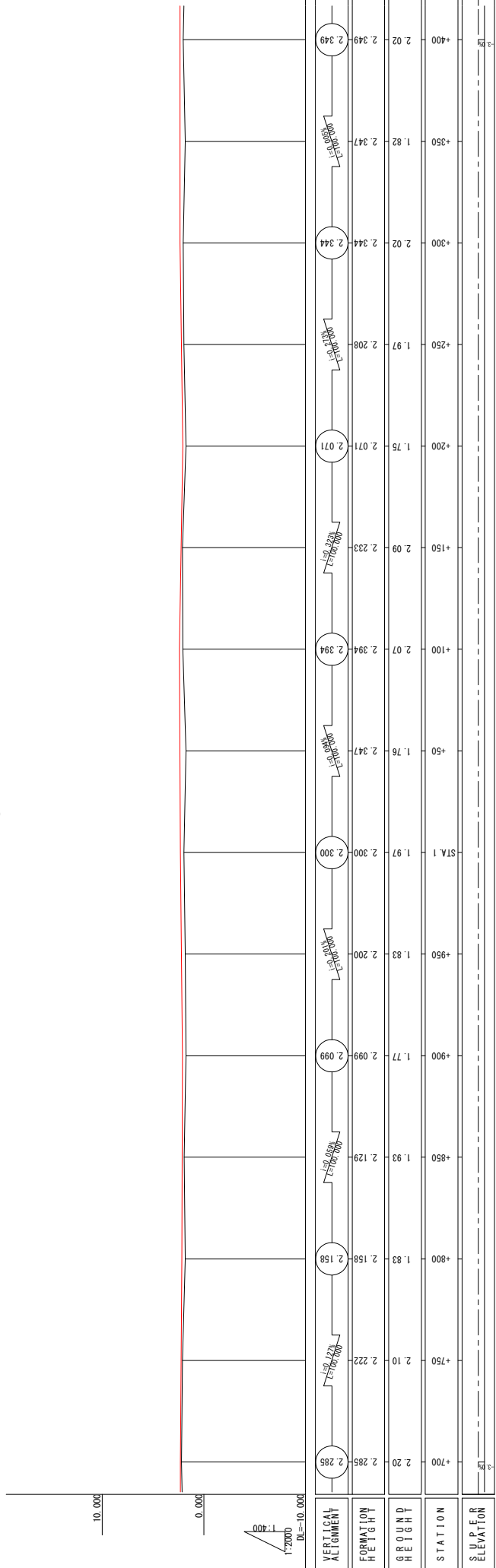
PLAN S=1:2000

LEGEND

	Plan
	Paddy Field
	Waterway
	Fence
	Existing Road
	Tree



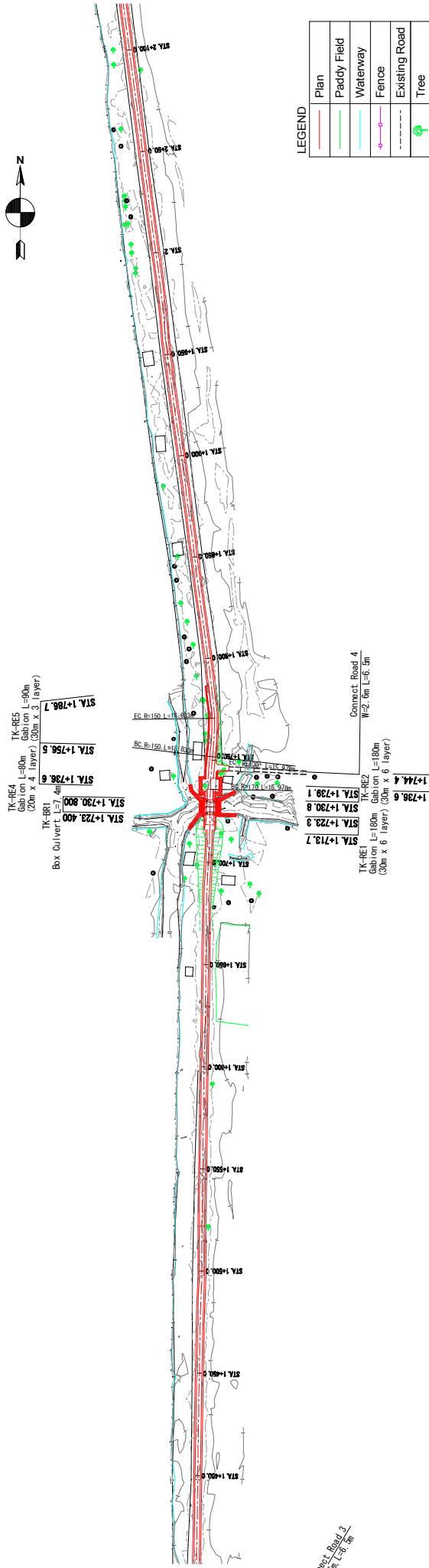
PROFILE V=1:400  
H=1:2000



THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		The Kan Wa Village Tract Route Tha Kan Wa		SHEET CONTENTS PLAN & PROFILE (2/8) STA.0+700 ~ STA.1+400		SCALE	As Shown	
									DATE	DEC 2018	
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# PLAN & PROFILE (3/8)

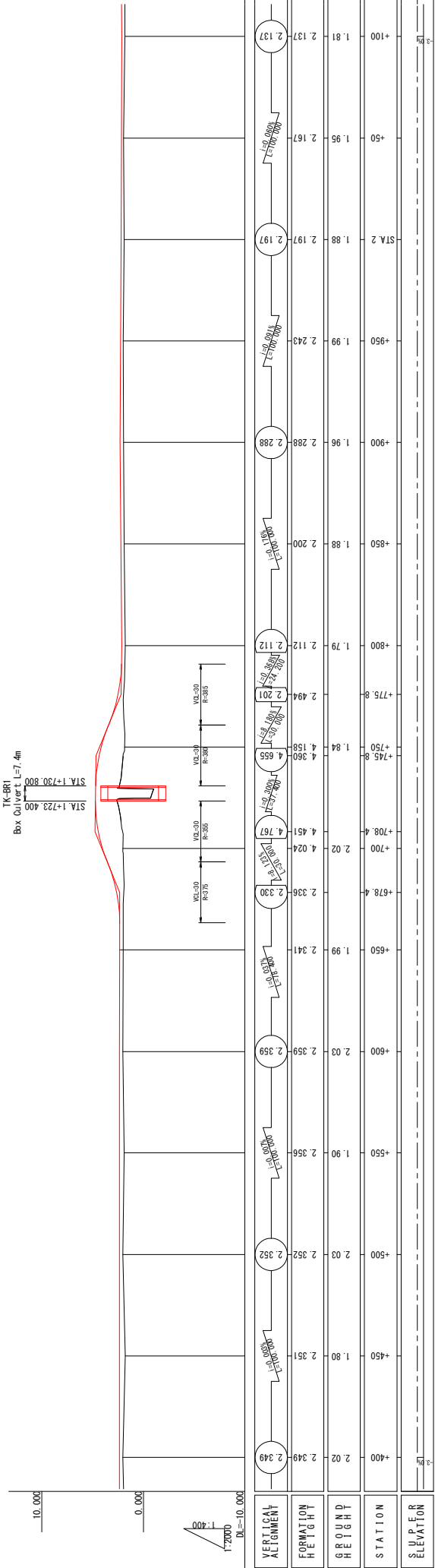
PLAN S=1:2000



LEGEND

	Plan
	Paddy Field
	Waterway
	Fence
	Existing Road
	Tree

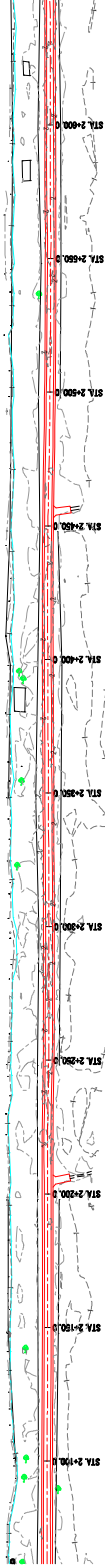
## PROFILE V=1: 400 H=1:2000



THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Tha Kan Wa Village Tract Route Tha Kan Wa		SHEET CONTENTS PLAN & PROFILE (3/8) STA.1+400 ~ STA.2+100		SCALE As Shown	DATE DEC 2018	PAGE NO. 74 / 129

# PLAN & PROFILE (4/8)

PLAN S=1:2000



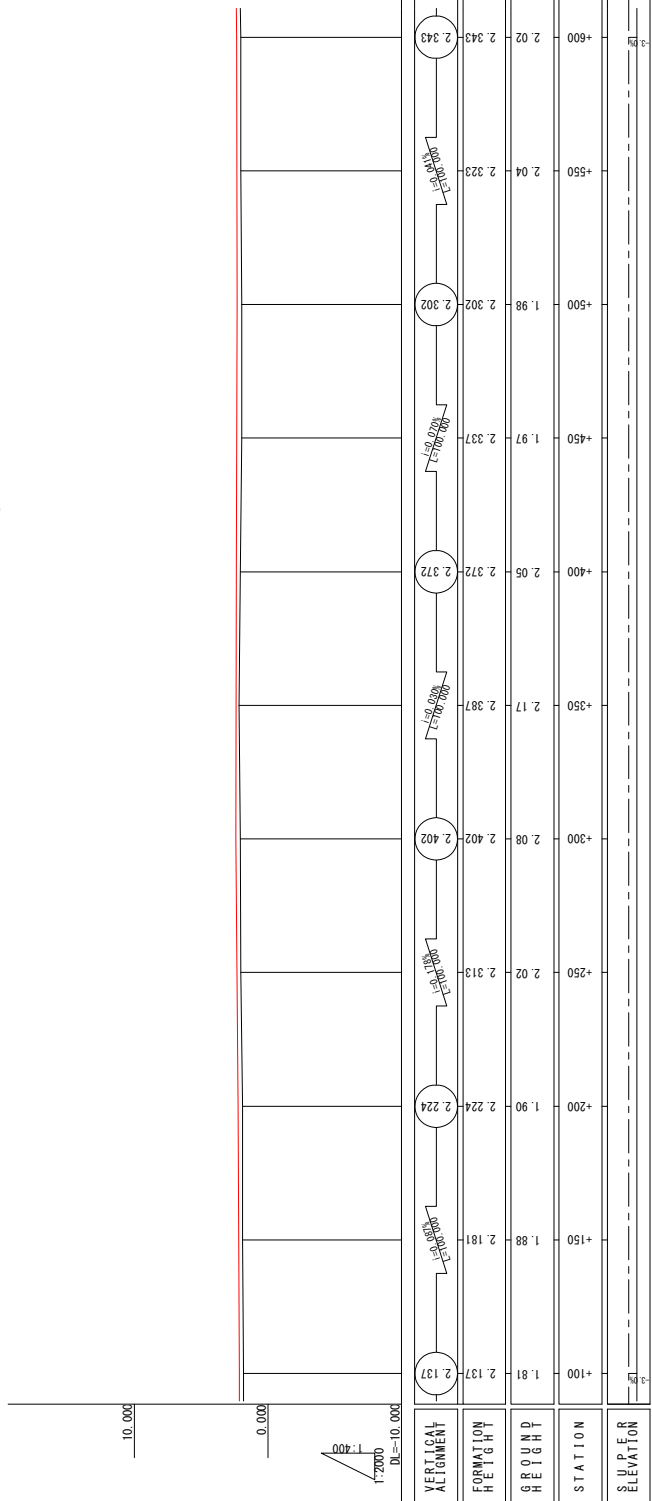
**LEGEND**

	Plan
	Paddy Field
	Waterway
	Fence
	Existing Road
	Tree

Concrete Road 6  
4.2m, L=50m

Concrete Road 5  
4.2m, L=50m

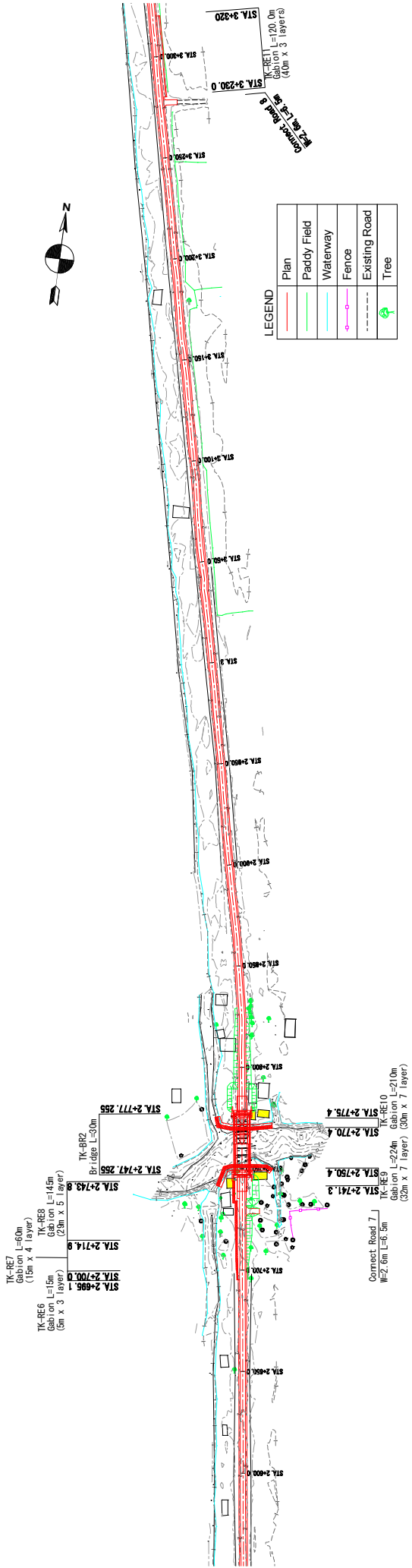
PROFILE V=1:400 H=1:2000



THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Tha Kan Wa Village Tract Route Tha Kan Wa		SHEET CONTENTS PLAN & PROFILE (4/8) STA.2+100 ~ STA.2+600		SCALE	As Shown	
									DATE	DEC 2018	
										PAGE NO.	75 / 129

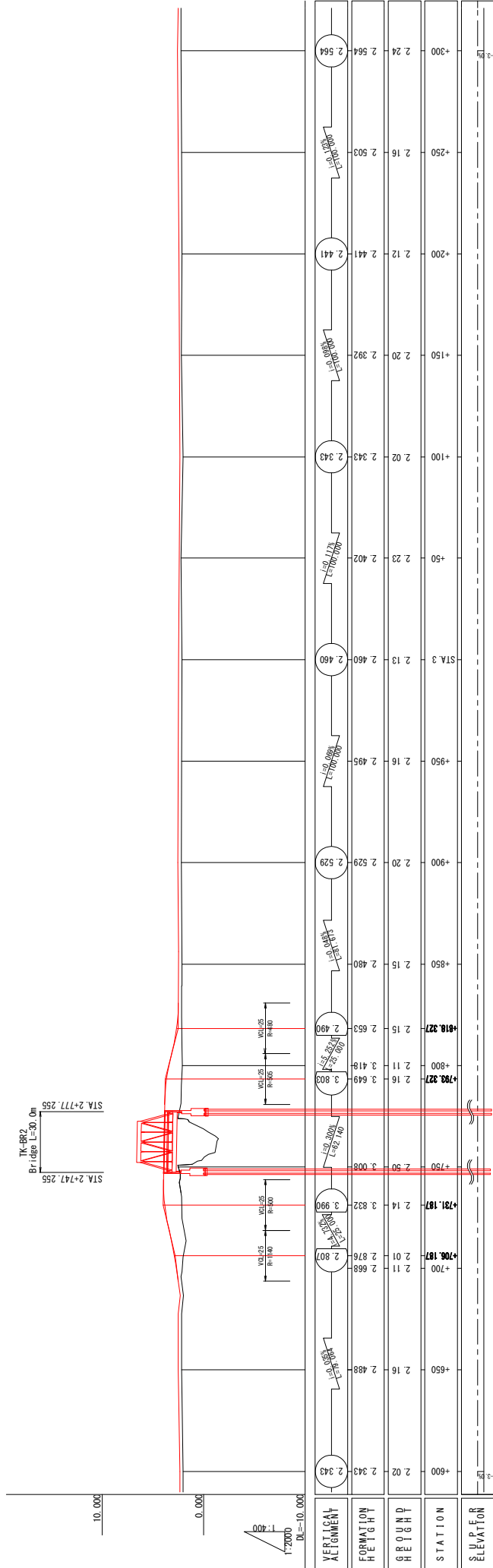
# PLAN & PROFILE (5/8)

PLAN S=1:2000



# PROFILE

V=1: 400  
H=1:2000



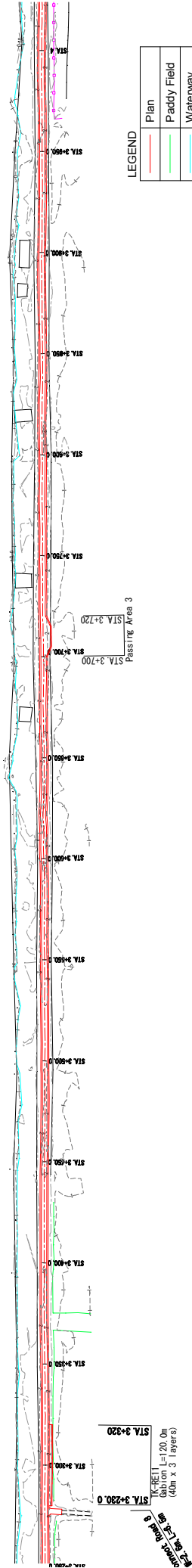
VERTICAL ALIGNMENT	FORMATION HEIGHT	GROUND HEIGHT	STATION	SUPER ELEVATION	SHEET CONTENTS	SCALE	As Shown
2.343	2.02	2.16	+600		The Kan Wa Village Tract Route Tha Kan Wa	PLAN & PROFILE (5/8) STA.2+600 ~ STA.3+300	DEC 2018
2.343	2.02	2.16	+650				
2.868	2.01	2.876	+700				
3.996	2.14	3.832	+711.187				
3.008	2.50	3.008	+750				
3.649	2.16	3.649	+800				
3.803	2.11	3.418	+800				
2.490	2.15	2.653	+818.327				
2.529	2.20	2.529	+900				
2.460	2.13	2.460	+950				
2.402	2.16	2.495	+950				
2.343	2.02	2.23	+100				
2.441	2.12	2.402	+150				
2.564	2.20	2.392	+200				
2.564	2.16	2.503	+250				
2.564	2.24	2.24	+300				

JAPAN INTERNATIONAL COOPERATION AGENCY  
 YACHIYO ENGINEERING CO., LTD.  
 NIPPON KOEI CO., LTD.

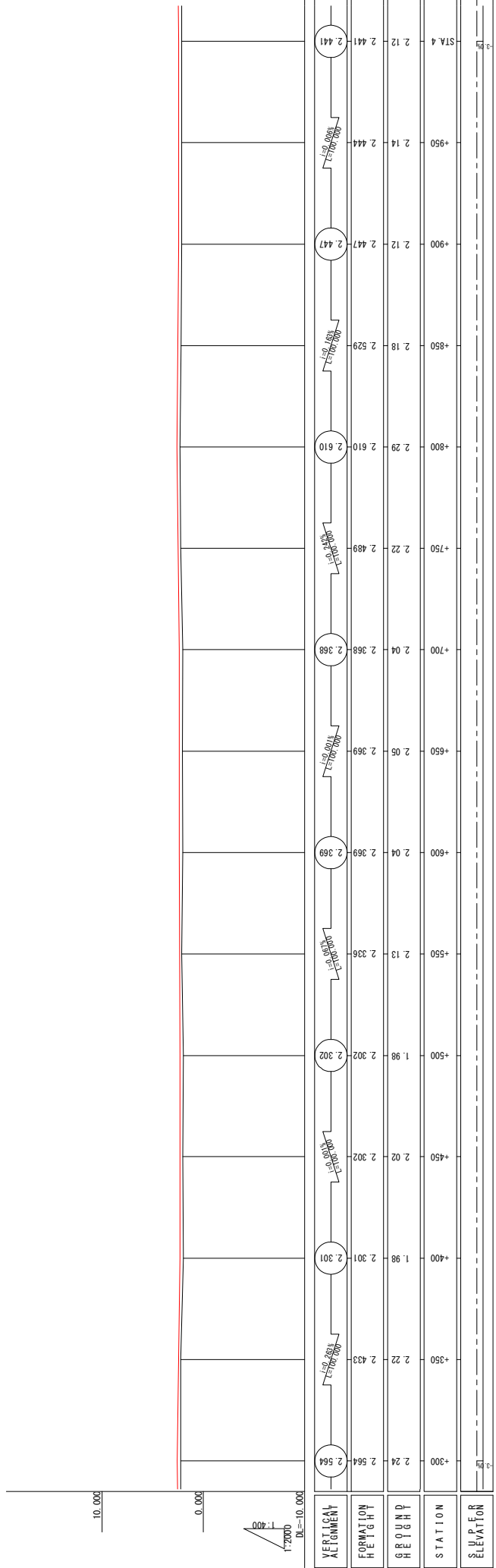
THE REPUBLIC OF THE UNION OF MYANMAR  
 AYEYARWADY REGION

# PLAN & PROFILE (6/8)

PLAN S=1:2000



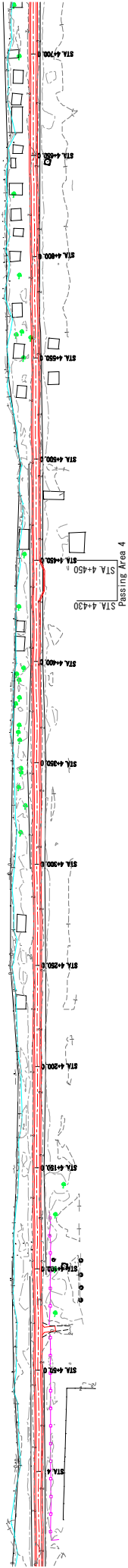
PROFILE V=1:400  
H=1:2000



THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		The Kan Wa Village Tract Route Tha Kan Wa		SHEET CONTENTS PLAN & PROFILE (6/8) STA.3+300 ~ STA.4+400		SCALE	As Shown	
									DATE	DEC 2018	
										PAGE NO.	77 / 129

# PLAN & PROFILE (7/8)

PLAN S=1:2000

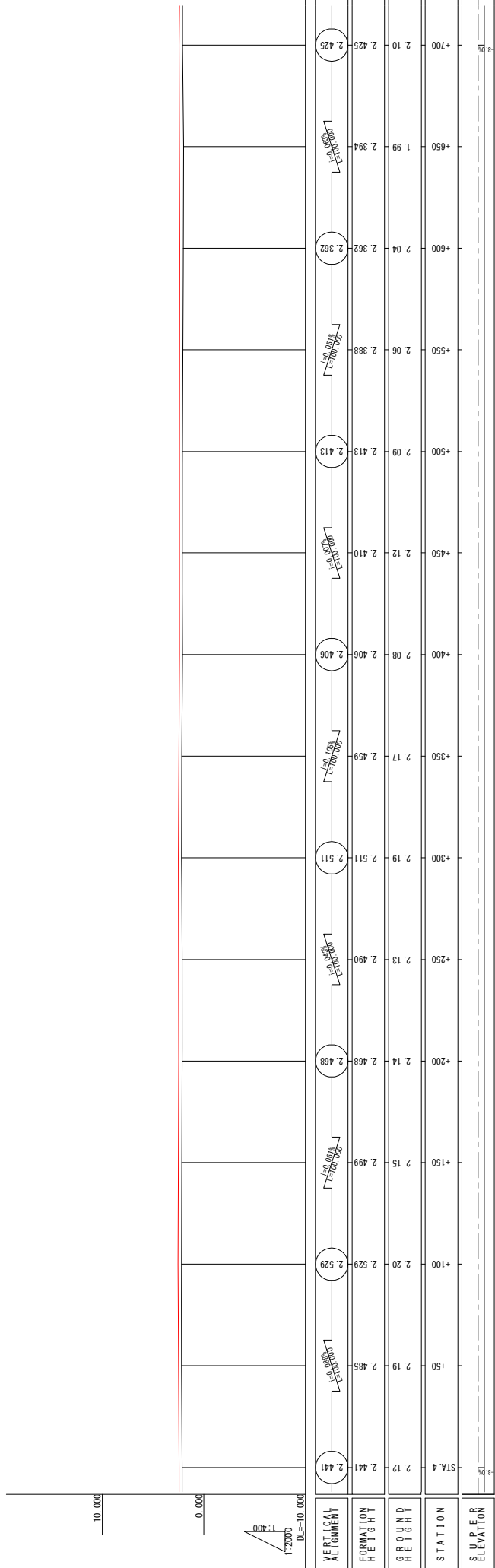


Mounting Road 9]  
W=2.6m L=6.5m

LEGEND

	Plan
	Paddy Field
	Waterway
	Fence
	Existing Road
	Tree

PROFILE V=1: 400  
H=1:2000



THE REPUBLIC OF THE UNION OF MYANMAR  AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY 		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS The Kan Wa Village Tract Route Tha Kan Wa		SHEET CONTENTS PLAN & PROFILE (7/8) STA.4+200 ~ STA.4+700		SCALE As Shown
	YACHIYO ENGINEERING CO., LTD. 		NIPPON KOEI CO., LTD. 		DATE DEC 2018	PAGE NO. 78 / 129	



# PLAN & PROFILE (8/8)

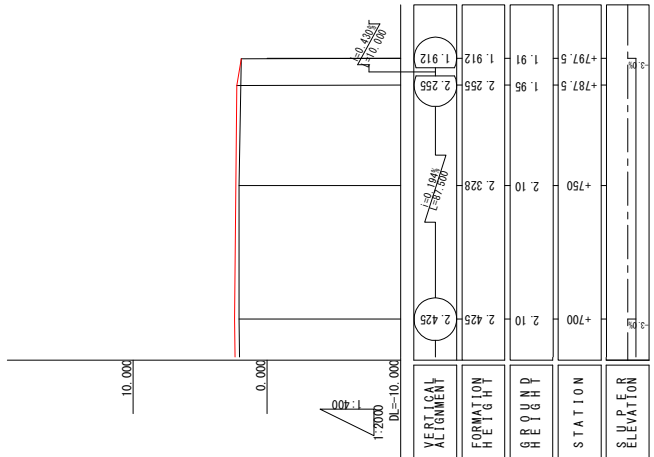
PLAN S=1:2000



LEGEND

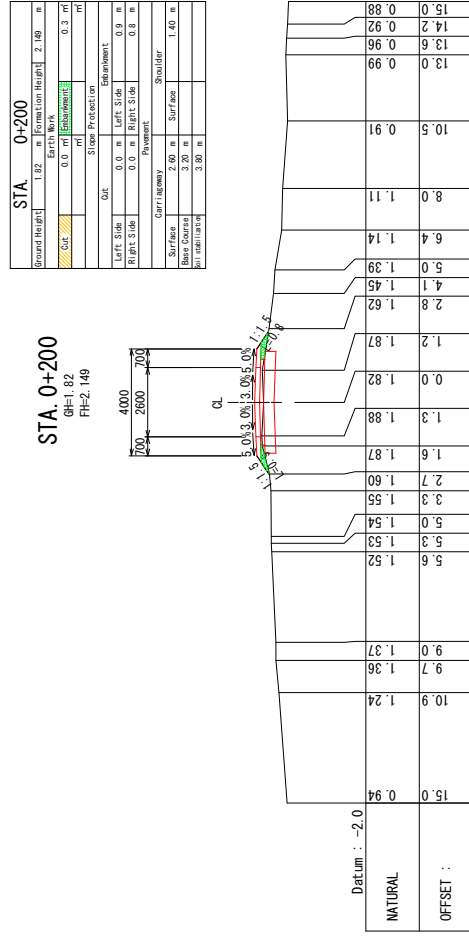
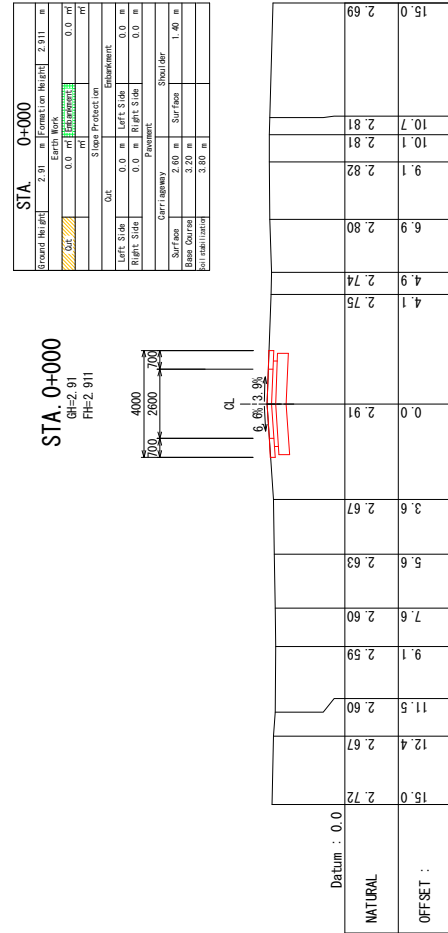
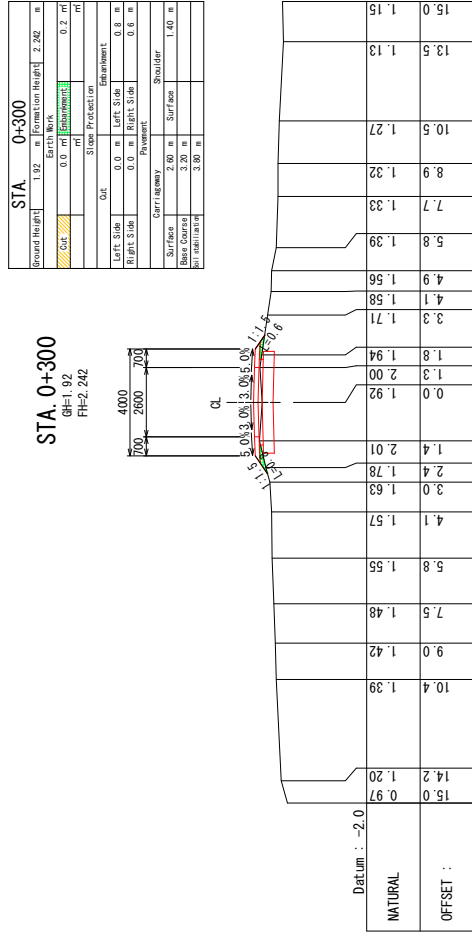
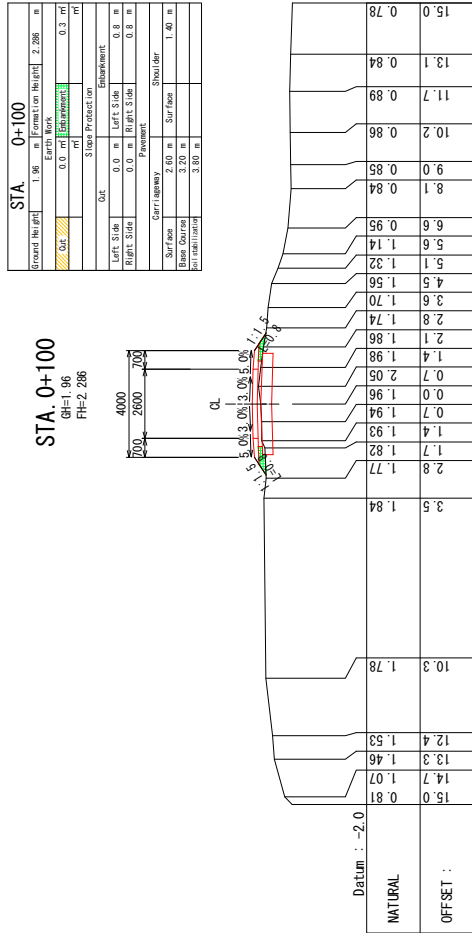
	Plan
	Paddy Field
	Waterway
	Fence
	Existing Road
	Tree

PROFILE V=1:400  
H=1:2000



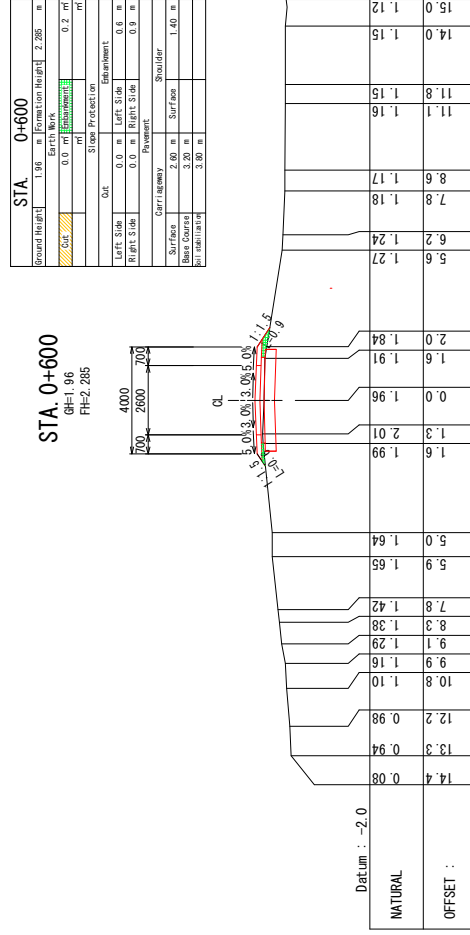
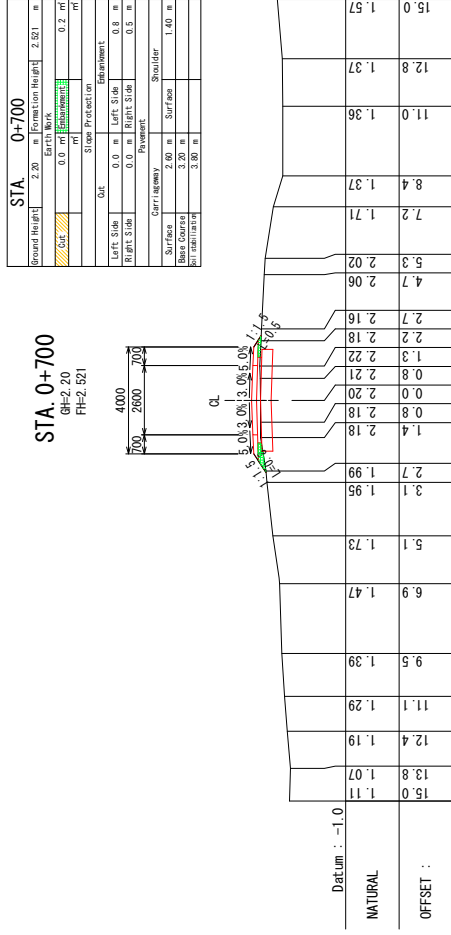
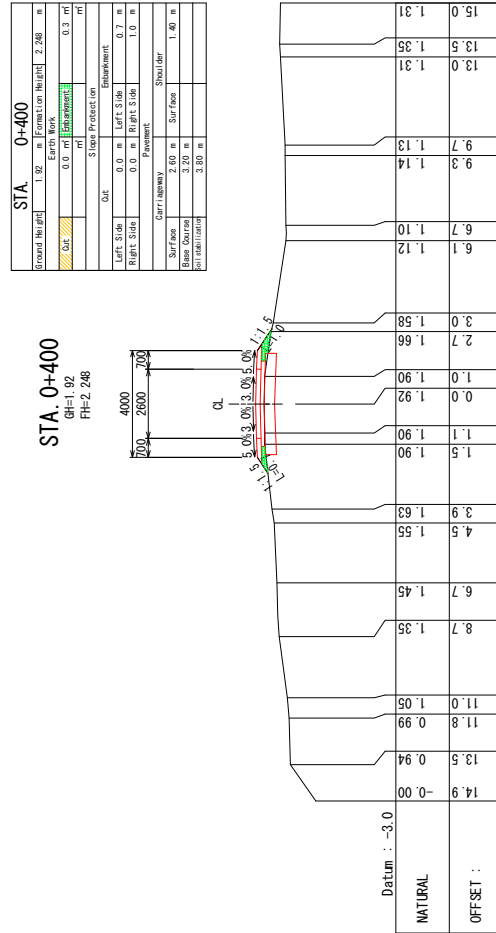
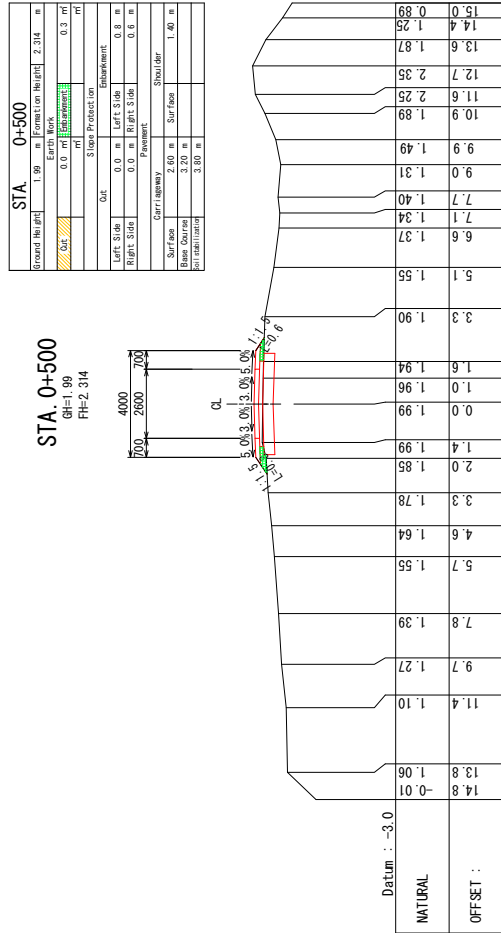
<p>THE REPUBLIC OF THE UNION OF MYANMAR</p> <p>AYEYARWADY REGION</p>	<p>JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.</p>	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Tha Kan Wa Village Tract	SHEET CONTENTS	SCALE	As Shown
		Route Tha Kan Wa	PLAN & PROFILE (8/8) STA.4+700 ~ STA.4+797.5	DATE	DEC 2018	PAGE NO.

# CROSS SECTION (1/12)



	THE REPUBLIC OF THE UNION OF MYANMAR		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	SHEET CONTENTS	SCALE	S=1:200
	AYEYARWADY REGION		JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	Route Tha Kan Wa	CROSS SECTION STA.0+000 ~ STA.0+300	DATE
			Route Tha Kan Wa	PAGE NO.	80 / 129	

# CROSS SECTION (2/12)



THE REPUBLIC OF THE UNION OF MYANMAR  
AYEYARWADY REGION

JAPAN INTERNATIONAL COOPERATION AGENCY  
YACHIO ENGINEERING CO., LTD.  
NIPPON KOEI CO., LTD.

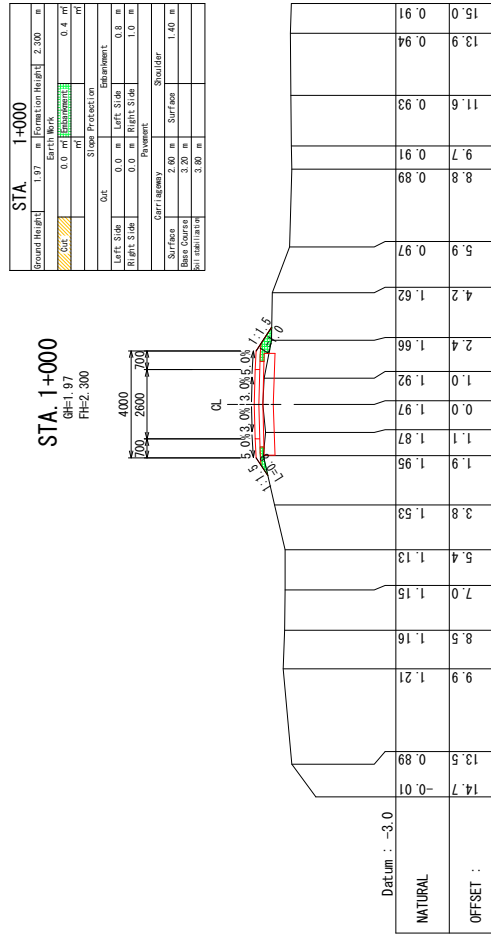
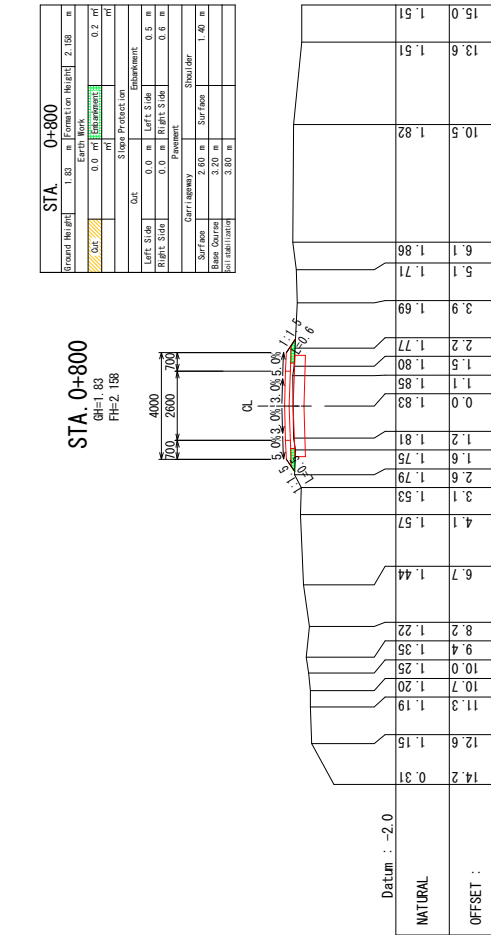
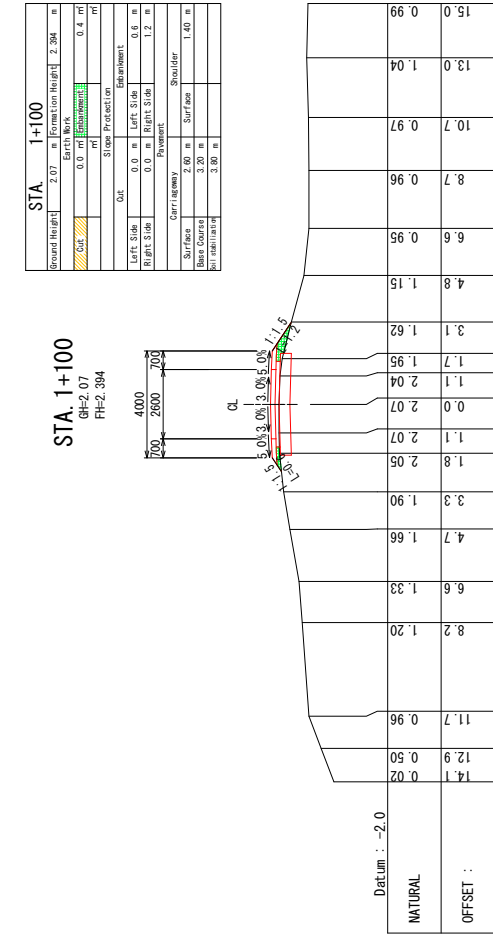
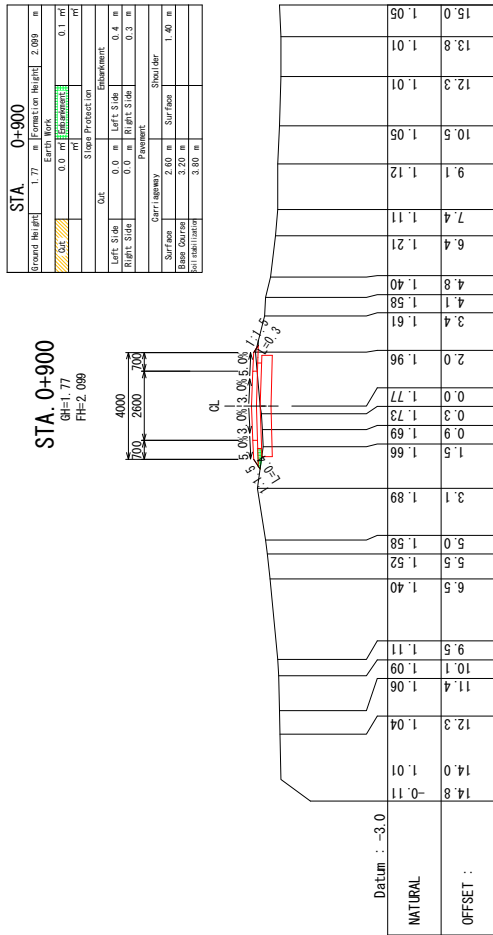
THE PROJECT FOR  
RURAL INFRASTRUCTURE DEVELOPMENT  
IN LOCAL AREAS

The Kan Wa Village Tract  
Route Tha Kan Wa

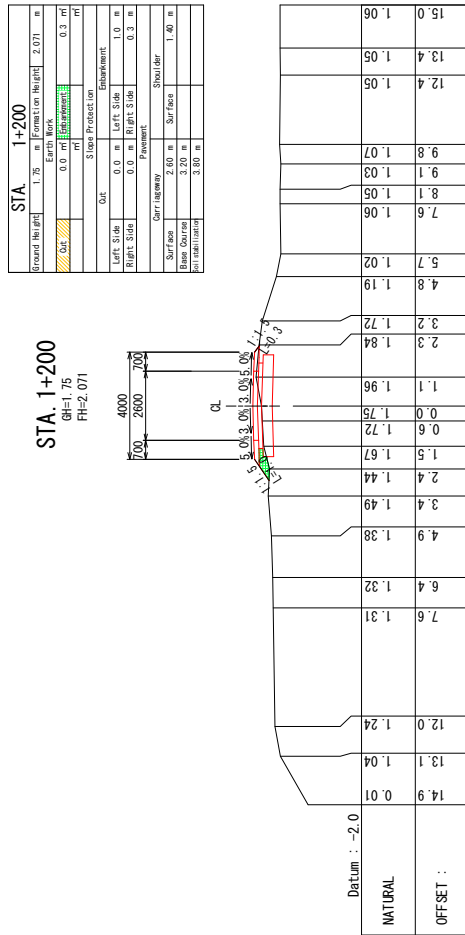
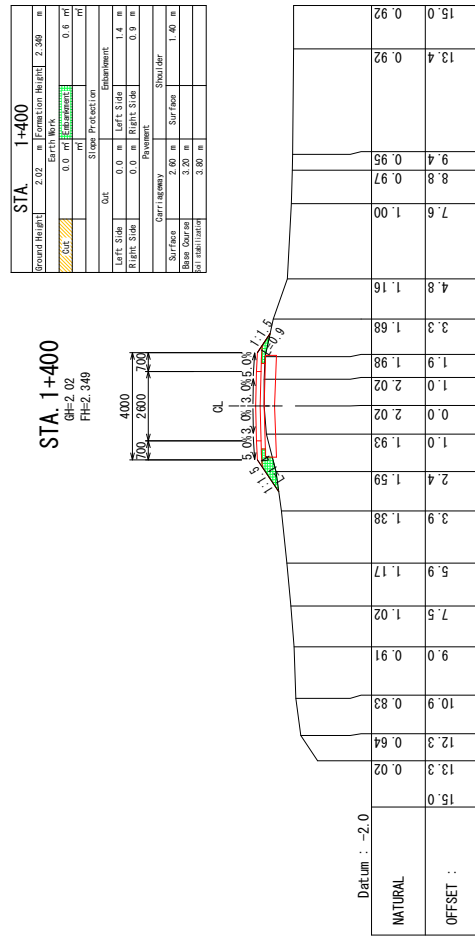
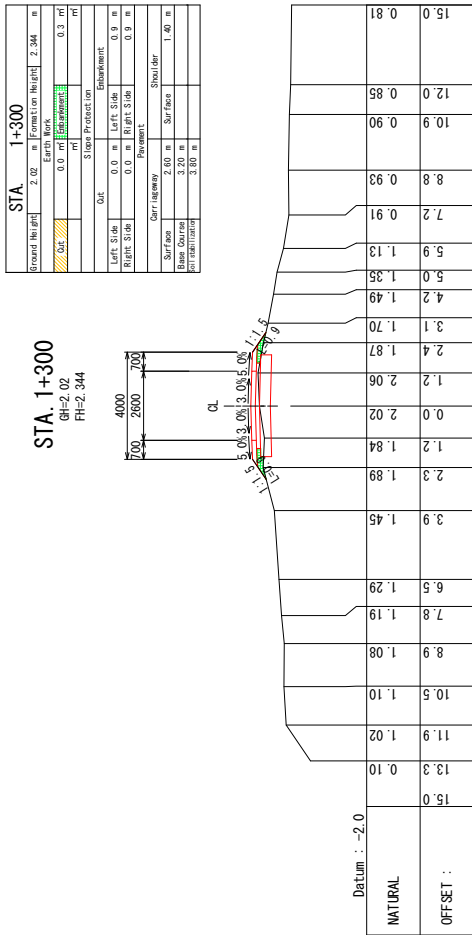
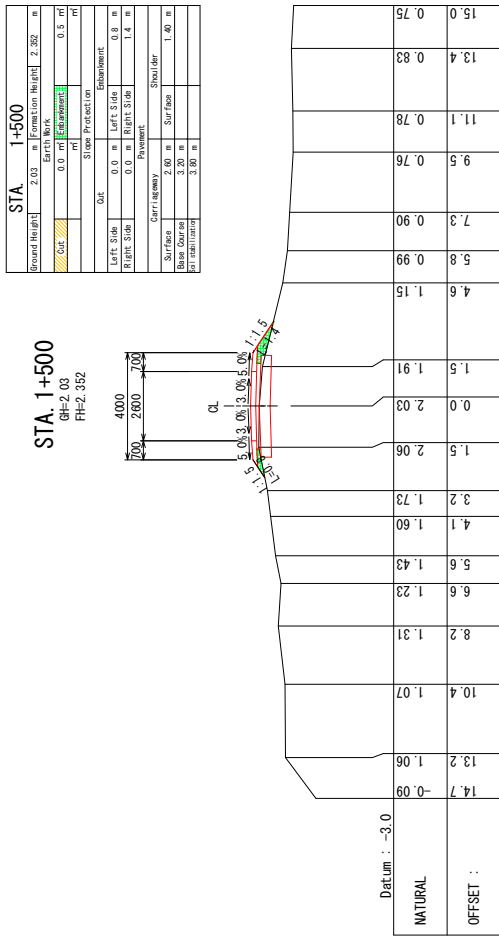
SHEET CONTENTS  
CROSS SECTION  
STA.0+400 ~ STA.0+700

SCALE S=1:200  
DATE DEC 2018  
PAGE NO. 81 / 129

# CROSS SECTION (3/12)

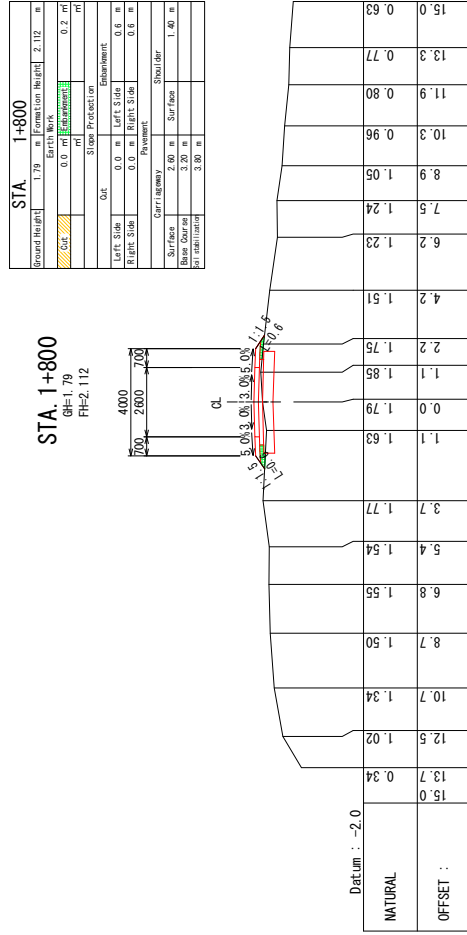
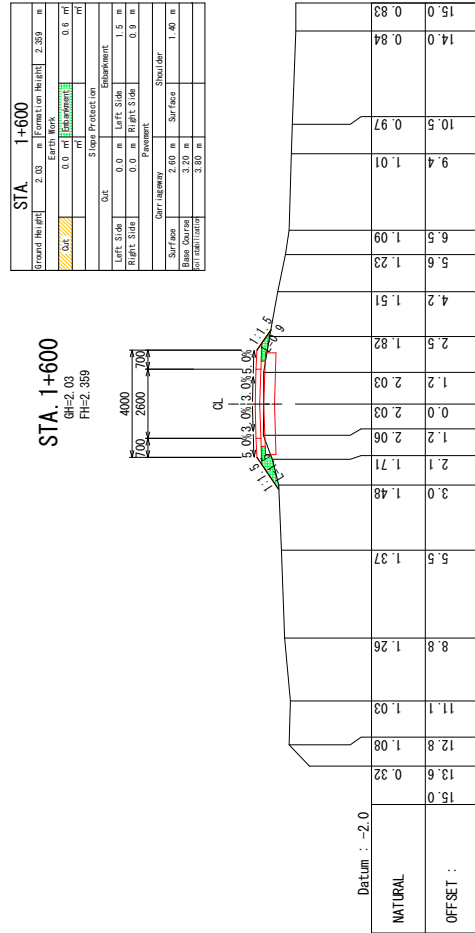
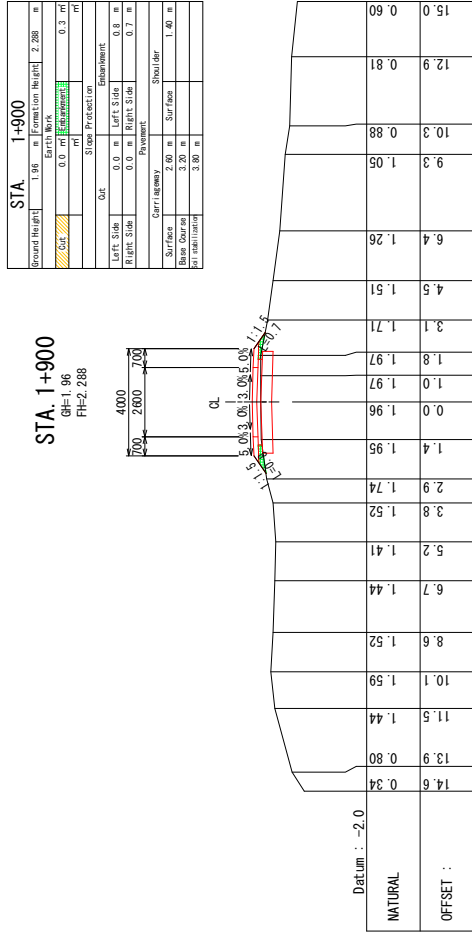
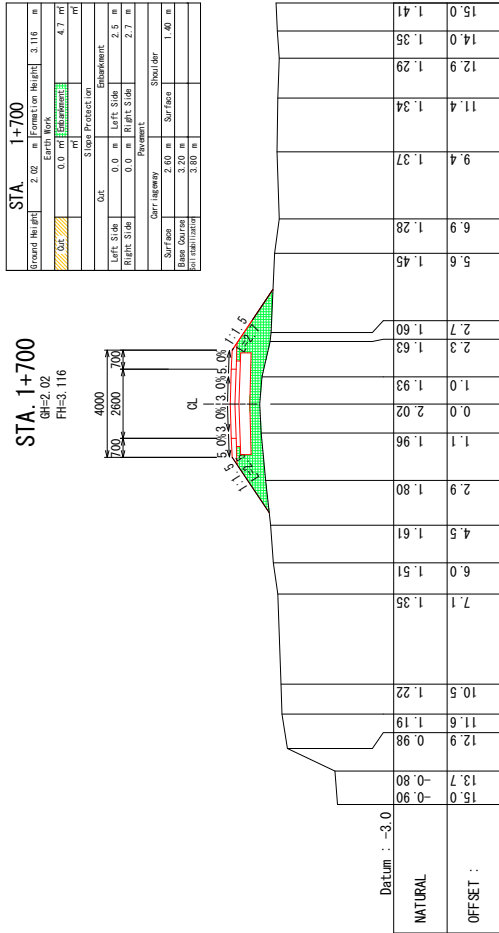


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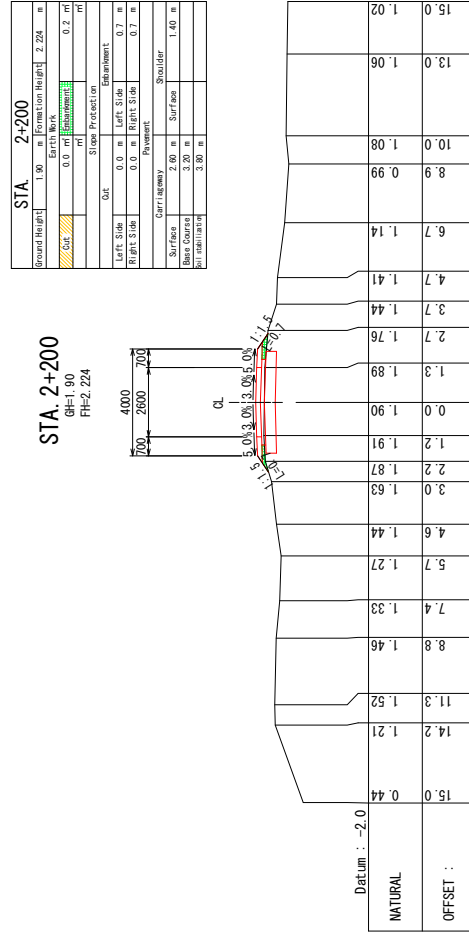
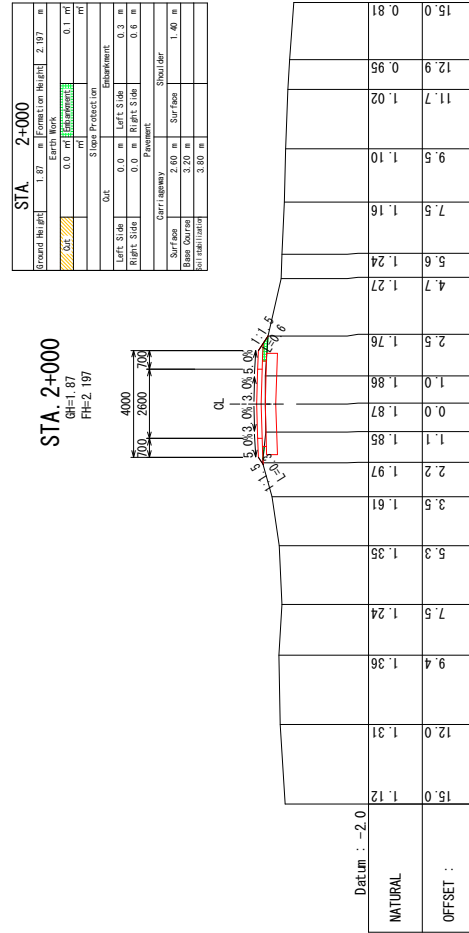
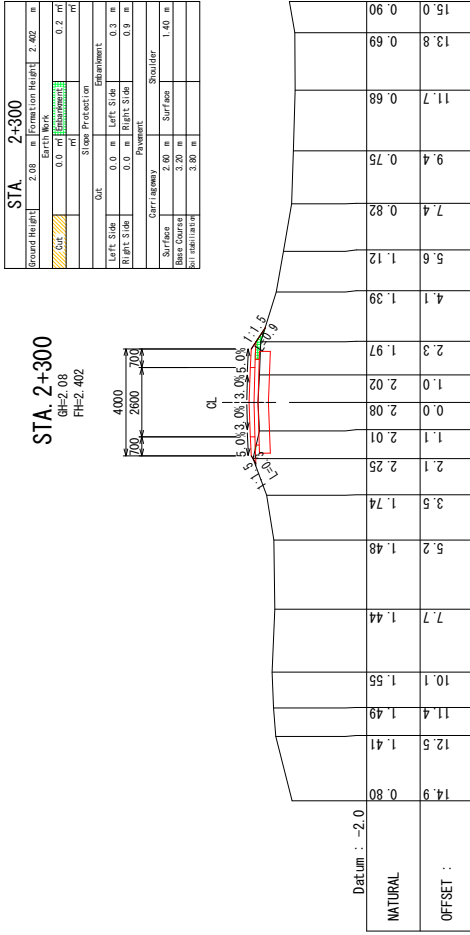
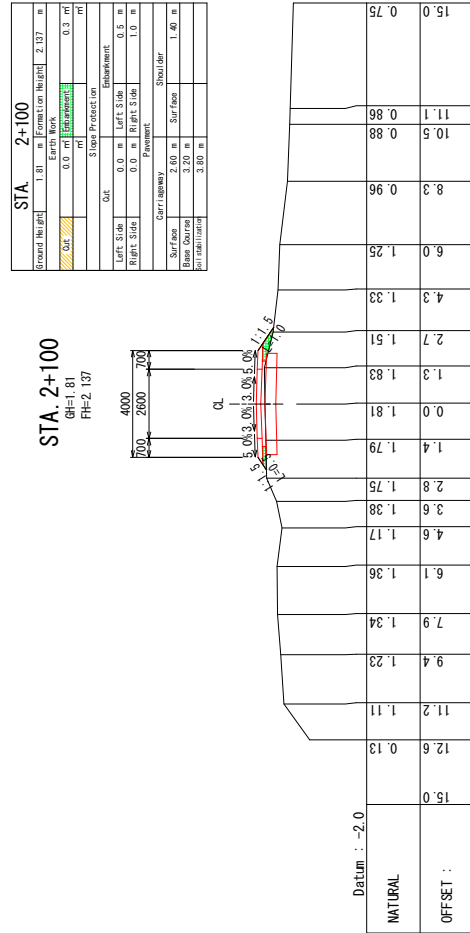
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	AYEYARWADY REGION		DATE DEC 2018	PAGE NO. 83 / 129			

# CROSS SECTION (5/12)



	THE REPUBLIC OF THE UNION OF MYANMAR  AYEYARWADY REGION		JAPAN INTERNATIONAL COOPERATION AGENCY  YACHIYO ENGINEERING CO., LTD.  NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	The Kan Wa Village Tract  Route Tha Kan Wa	SHEET CONTENTS  CROSS SECTION STA.1+600 ~ STA.1+900	SCALE S=1:200	DATE DEC 2018	PAGE NO. 84 / 129
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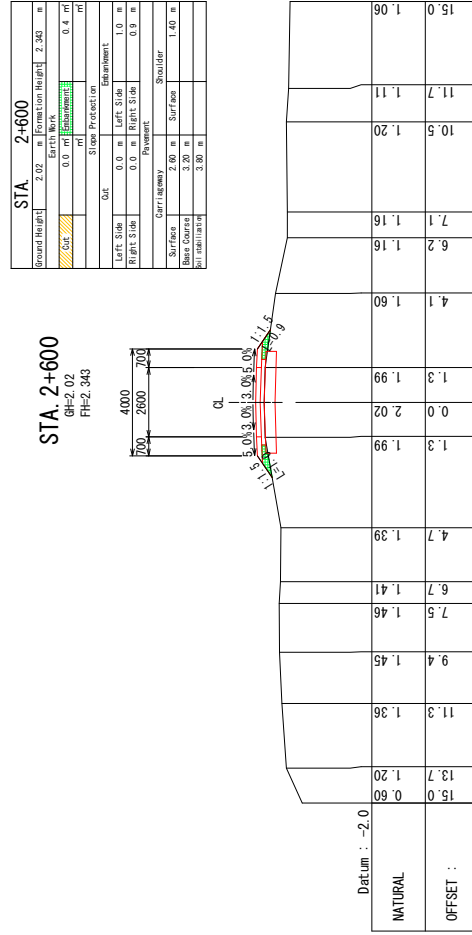
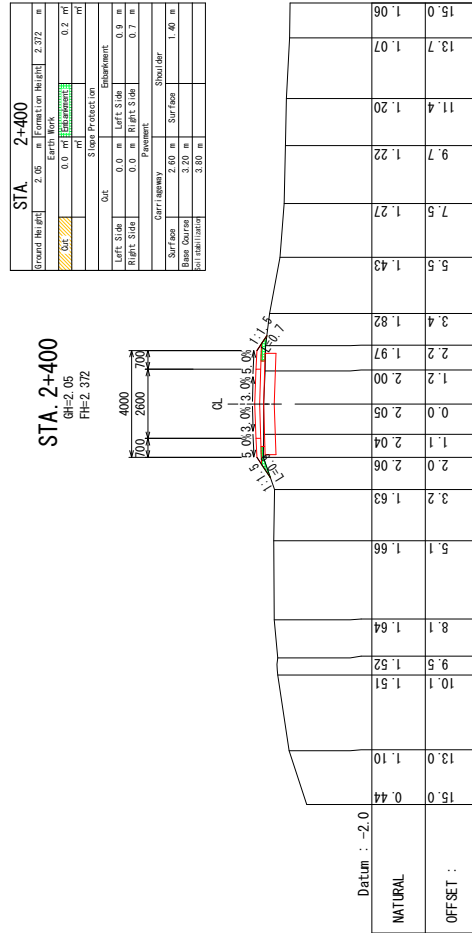
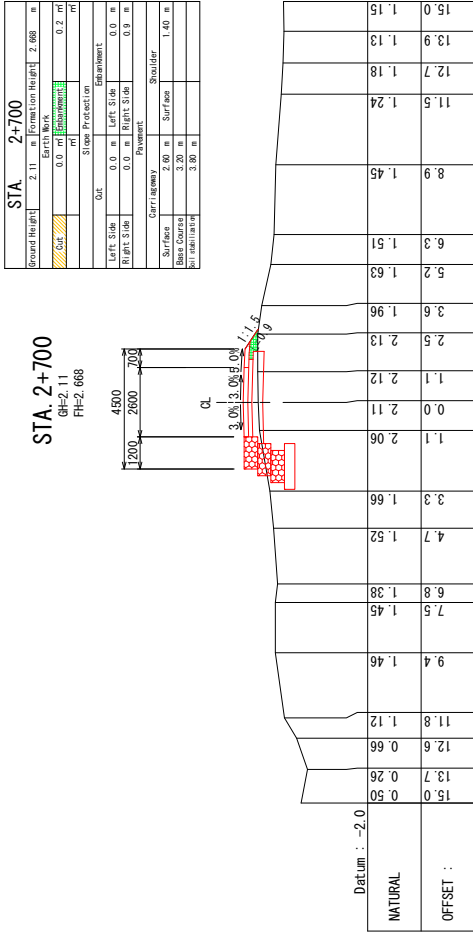
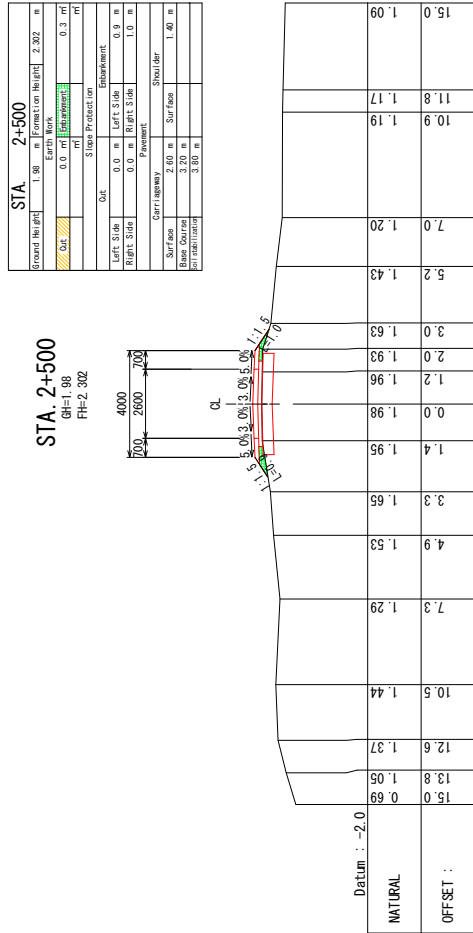
# CROSS SECTION (6/12)



Scale Horizontal 1:200 Vertical 1:200

	THE REPUBLIC OF THE UNION OF MYANMAR		JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	The Kan Wa Village Tract  Route Tha Kan Wa	SHEET CONTENTS  CROSS SECTION STA.2+000 ~ STA.2+300	SCALE S=1:200
	AYEYARWADY REGION		DATE DEC 2018	PAGE NO. 85 / 129			

# CROSS SECTION (7/12)



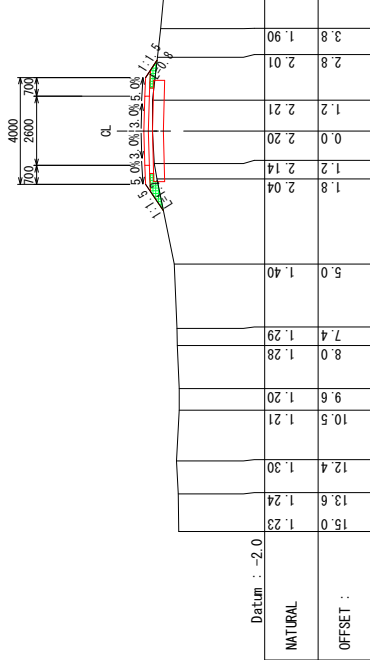
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	AYEYARWADY REGION		Route Tha Kan Wa		DATE		DEC 2018	PAGE NO.



# CROSS SECTION (8/12)

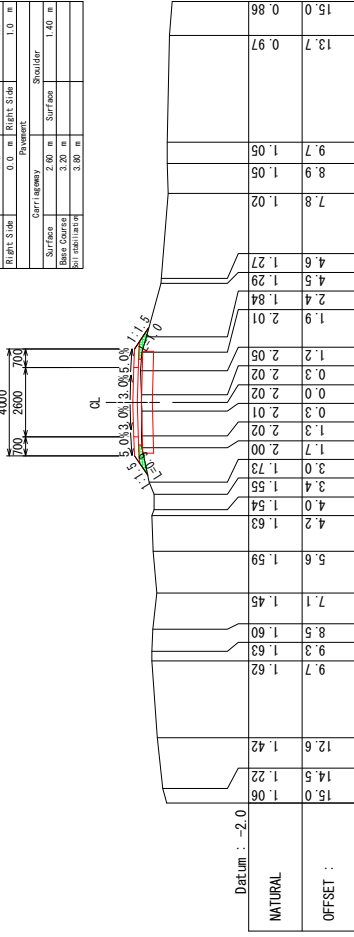
**STA. 2+900**  
 GH=2.70  
 FH=2.520

Ground Height	2.70 m	Formation Height	2.520 m
Earth Work	0.4 m	Embankment	0.4 m
Out	0.0 m	Slope Protection	0.0 m
Left Side	0.0 m	Left Side	1.2 m
Right Side	0.0 m	Right Side	0.8 m
Surface	2.60 m	Shoulder	1.40 m
Base Course	3.20 m		
Subgrade	3.80 m		



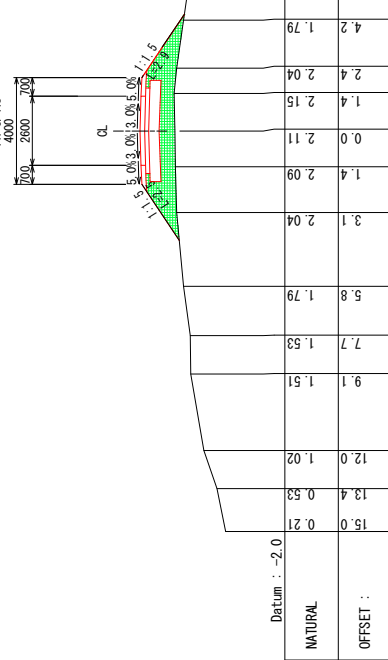
**STA. 3+100**  
 GH=2.02  
 FH=2.343

Ground Height	2.02 m	Formation Height	2.343 m
Earth Work	0.3 m	Embankment	0.3 m
Out	0.0 m	Slope Protection	0.0 m
Left Side	0.0 m	Left Side	0.9 m
Right Side	0.0 m	Right Side	1.0 m
Surface	2.80 m	Shoulder	1.40 m
Base Course	3.20 m		
Subgrade	3.80 m		



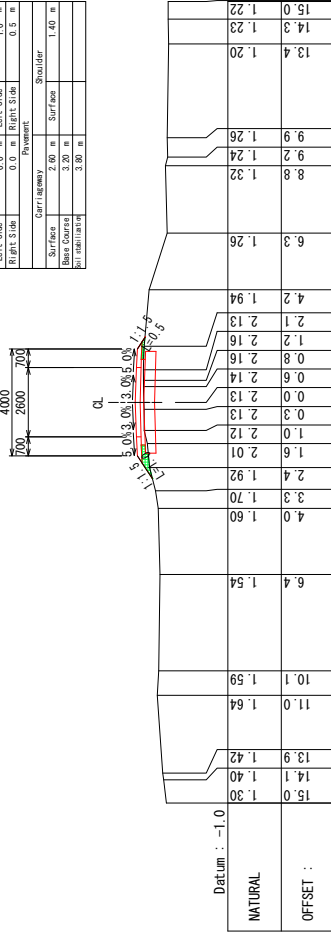
**STA. 2+800**  
 GH=2.11  
 FH=3.418

Ground Height	2.11 m	Formation Height	3.418 m
Earth Work	5.2 m	Embankment	5.2 m
Out	0.0 m	Slope Protection	0.0 m
Left Side	0.0 m	Left Side	2.3 m
Right Side	0.0 m	Right Side	2.3 m
Surface	2.60 m	Shoulder	1.40 m
Base Course	3.20 m		
Subgrade	3.80 m		



**STA. 3+000**  
 GH=2.13  
 FH=2.460

Ground Height	2.13 m	Formation Height	2.460 m
Earth Work	0.3 m	Embankment	0.3 m
Out	0.0 m	Slope Protection	0.0 m
Left Side	0.0 m	Left Side	1.6 m
Right Side	0.0 m	Right Side	0.8 m
Surface	2.80 m	Shoulder	1.40 m
Base Course	3.20 m		
Subgrade	3.80 m		



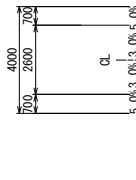
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 THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	The Kan Wa Village Tract Route Tha Kan Wa	SHEET CONTENTS CROSS SECTION STA.2+800 ~ STA.3+100	SCALE S=1:200
					DATE DEC 2018

# CROSS SECTION (9/12)

**STA. 3+300**  
 GH#-2.24  
 FH#-2.564

Ground Height	2.74 m	Formation Height	2.564 m
Earth Work	0.0 m	Embankment	0.4 m
Sub	0.0 m	Embankment	0.4 m
Slope Protection	0.0 m	Embankment	0.4 m
Out	0.0 m	Embankment	0.4 m
Left Side	0.0 m	Left Side	0.0 m
Right Side	0.0 m	Right Side	0.0 m
Surf. Course	2.60 m	Surf. Course	1.40 m
Base Course	3.20 m	Base Course	1.40 m
Sub-Base Course	3.80 m	Sub-Base Course	1.40 m



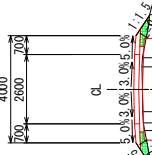
Datum : -2.0

15.0	0.04	15.0	0.77
14.7	0.14	14.3	0.52
14.3	0.52	13.6	1.29
13.6	1.29	11.8	1.42
11.5	1.44	11.5	1.44
7.2	1.72	6.7	1.77
4.8	1.91	4.9	1.17
1.9	1.95	1.9	1.17
1.6	2.19	1.9	1.17
0.9	2.22	0.9	1.17
0.0	2.24	0.0	1.17
0.0	2.24	0.0	1.17
0.9	2.24	0.9	1.17
1.9	2.23	1.9	1.17
3.3	1.42	3.3	1.42
3.8	1.21	3.8	1.21
4.9	1.17	4.9	1.17
8.7	0.92	8.7	0.87
10.7	0.87	10.7	0.87
15.0	0.77	15.0	0.77

NATURAL  
OFFSET :

**STA. 3+500**  
 GH#-1.98  
 FH#-2.302

Ground Height	1.98 m	Formation Height	2.302 m
Earth Work	0.0 m	Embankment	0.4 m
Sub	0.0 m	Embankment	0.4 m
Slope Protection	0.0 m	Embankment	0.4 m
Out	0.0 m	Embankment	0.4 m
Left Side	0.0 m	Left Side	0.0 m
Right Side	0.0 m	Right Side	0.0 m
Surf. Course	2.60 m	Surf. Course	1.40 m
Base Course	3.20 m	Base Course	1.40 m
Sub-Base Course	3.80 m	Sub-Base Course	1.40 m



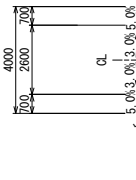
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14.6	0.80	13.5	0.84
13.5	0.84	12.2	1.01
7.2	1.01	7.2	1.01
5.2	1.03	4.8	1.15
4.8	1.15	4.2	1.33
2.8	1.71	2.4	1.74
2.4	1.74	1.2	1.98
0.8	2.00	0.8	2.00
0.0	1.98	0.0	1.98
0.8	1.96	0.8	1.96
1.3	1.96	1.3	1.96
1.6	1.90	1.6	1.90
4.9	1.25	4.9	1.25
6.0	1.10	6.0	1.10
7.9	1.16	7.9	1.16
12.1	1.25	12.1	1.25
13.2	1.15	13.2	1.15
14.1	1.08	14.1	1.08
14.8	0.80	14.8	0.80
15.0	0.80	15.0	0.80

NATURAL  
OFFSET :

**STA. 3+200**  
 GH#-2.12  
 FH#-2.441

Ground Height	2.12 m	Formation Height	2.441 m
Earth Work	0.0 m	Embankment	0.3 m
Sub	0.0 m	Embankment	0.3 m
Slope Protection	0.0 m	Embankment	0.3 m
Out	0.0 m	Embankment	0.3 m
Left Side	0.0 m	Left Side	0.0 m
Right Side	0.0 m	Right Side	0.0 m
Surf. Course	2.60 m	Surf. Course	1.40 m
Base Course	3.20 m	Base Course	1.40 m
Sub-Base Course	3.80 m	Sub-Base Course	1.40 m



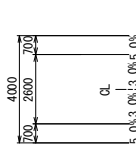
Datum : -2.0

15.0	0.89	15.0	0.74
13.4	1.43	10.6	0.94
11.8	1.51	8.0	1.08
10.0	1.56	6.9	1.64
7.6	1.62	7.6	1.62
6.9	1.64	6.9	1.64
1.4	2.05	1.4	2.05
0.0	2.13	0.0	2.13
1.3	2.06	1.3	2.06
2.5	1.95	2.5	1.95
4.5	1.43	4.5	1.43
5.9	1.23	5.9	1.23
8.0	1.08	8.0	1.08
10.6	0.94	10.6	0.94
15.0	0.74	15.0	0.74

NATURAL  
OFFSET :

**STA. 3+400**  
 GH#-1.88  
 FH#-2.301

Ground Height	1.88 m	Formation Height	2.301 m
Earth Work	0.0 m	Embankment	0.4 m
Sub	0.0 m	Embankment	0.4 m
Slope Protection	0.0 m	Embankment	0.4 m
Out	0.0 m	Embankment	0.4 m
Left Side	0.0 m	Left Side	0.0 m
Right Side	0.0 m	Right Side	0.0 m
Surf. Course	2.60 m	Surf. Course	1.40 m
Base Course	3.20 m	Base Course	1.40 m
Sub-Base Course	3.80 m	Sub-Base Course	1.40 m



Datum : -2.0

15.0	0.89	15.0	0.89
12.8	0.94	12.8	0.94
10.9	0.98	10.9	0.98
5.7	1.10	5.7	1.10
2.1	1.77	2.1	1.77
1.0	1.95	1.0	1.95
0.0	1.98	0.0	1.98
1.0	1.92	1.0	1.92
1.7	1.88	1.7	1.88
13.2	1.15	13.2	1.15
11.6	1.37	11.6	1.37
8.7	1.41	8.7	1.41
8.0	1.46	8.0	1.46
4.0	1.40	4.0	1.40
5.7	1.10	5.7	1.10
15.0	0.89	15.0	0.89

NATURAL  
OFFSET :



THE REPUBLIC OF THE UNION OF MYANMAR

AYEYARWADY REGION



JAPAN INTERNATIONAL COOPERATION AGENCY  
 YACHIYO ENGINEERING CO., LTD.  
 NIPPON KOEI CO., LTD.

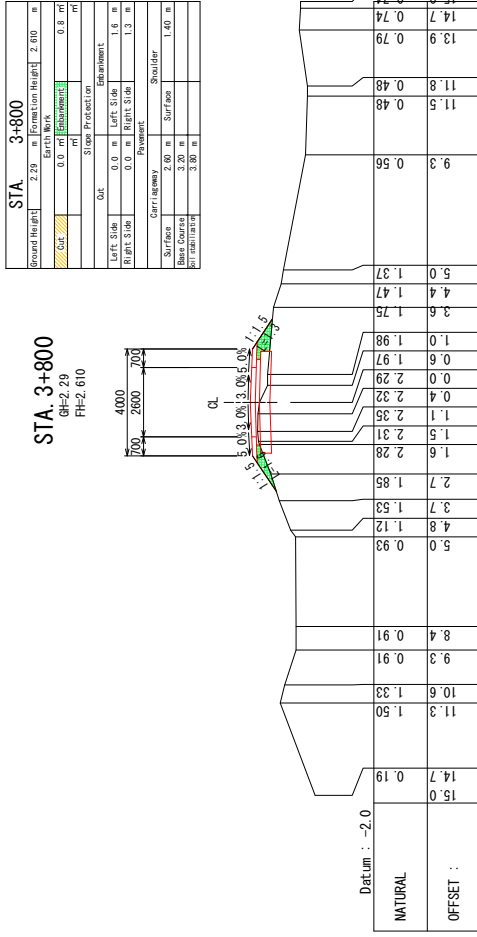
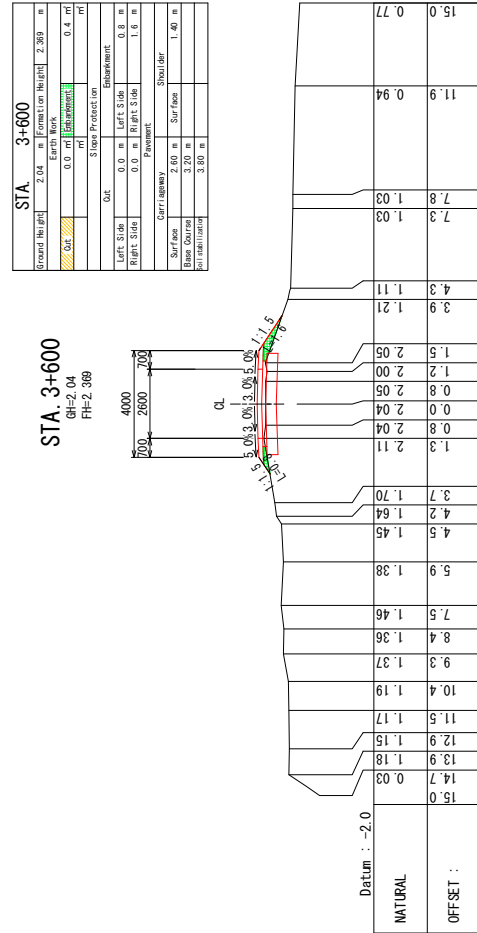
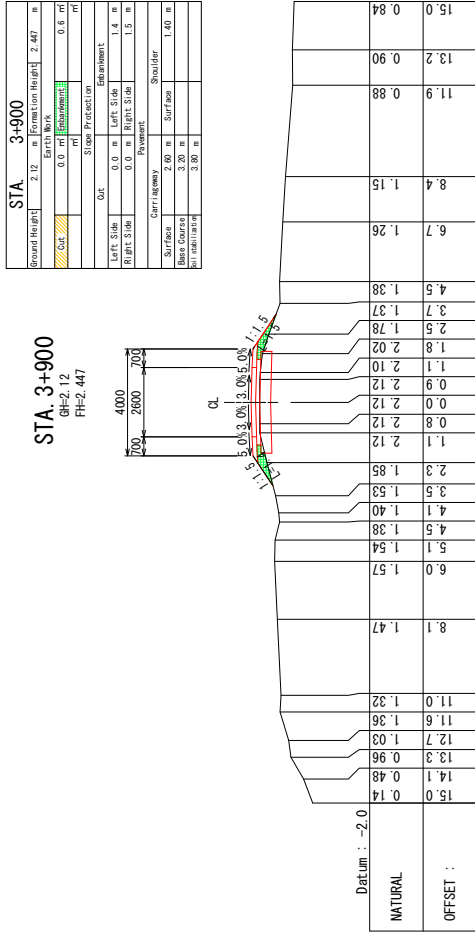
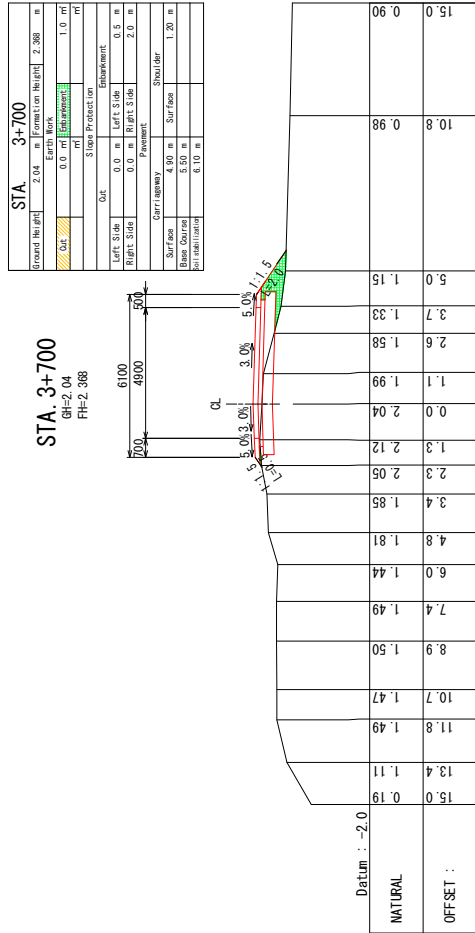
THE PROJECT FOR  
 RURAL INFRASTRUCTURE DEVELOPMENT  
 IN LOCAL AREAS

The Kan Wa Village Tract  
 Route Tha Kan Wa

SHEET CONTENTS  
 CROSS SECTION  
 STA.3+200 ~ STA.3+500

SCALE S=1:200  
 DATE DEC 2018  
 PAGE NO. 88 / 129

# CROSS SECTION (10/12)

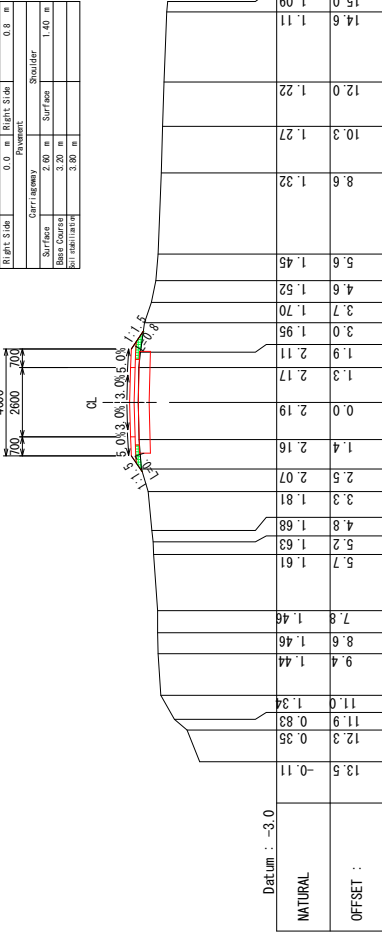


	THE REPUBLIC OF THE UNION OF MYANMAR		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Tha Kan Wa Village Tract	SHEET CONTENTS	SCALE	S=1:200
	AYEYARWADY REGION		YACHIOYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	Route Tha Kan Wa	CROSS SECTION STA.3+600 ~ STA.3+900	DATE	DEC 2018
						PAGE NO.	89 / 129

# CROSS SECTION (11/12)

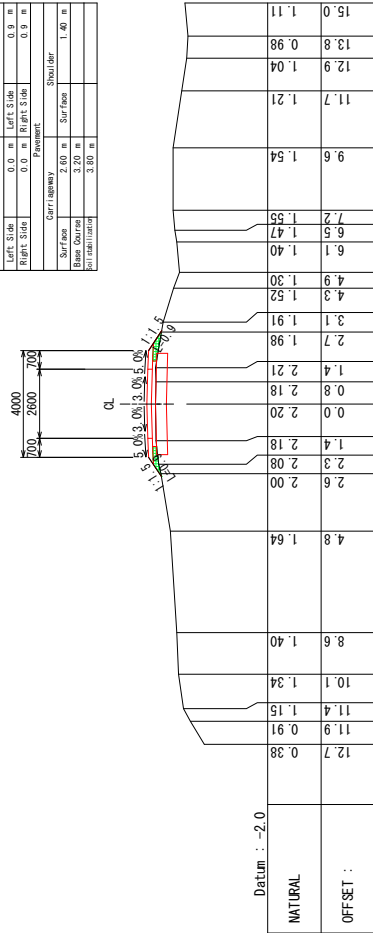
<b>STA. 4+300</b>	
Ground Height	2.19 m Form on Height 2.511 m
Earth Work	0.0 m <sup>3</sup> Embankment 0.3 m <sup>3</sup> cut
Out	0.0 m
Slope Protection	0.0 m
Left Side	0.0 m Left Side 0.7 m
Right Side	0.0 m Right Side 0.8 m
Surface	2.60 m Surface 1.40 m
Base Course	3.20 m
Bituminous	3.80 m
Carriageway	2.60 m
Shoulder	1.40 m

**STA. 4+300**  
GH=2.19  
FH=2.511



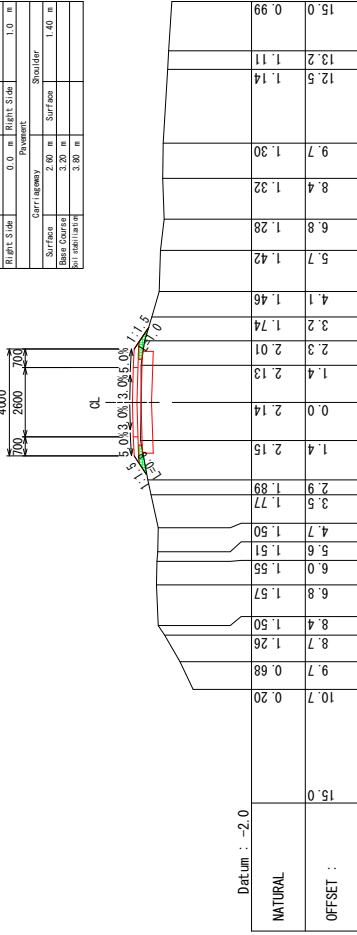
<b>STA. 4+100</b>	
Ground Height	2.70 m Form on Height 2.529 m
Earth Work	0.0 m <sup>3</sup> Embankment 0.3 m <sup>3</sup> cut
Out	0.0 m
Slope Protection	0.0 m
Left Side	0.0 m Left Side 0.9 m
Right Side	0.0 m Right Side 0.8 m
Surface	2.60 m Surface 1.40 m
Base Course	3.20 m
Bituminous	3.80 m
Carriageway	2.60 m
Shoulder	1.40 m

**STA. 4+100**  
GH=2.70  
FH=2.529



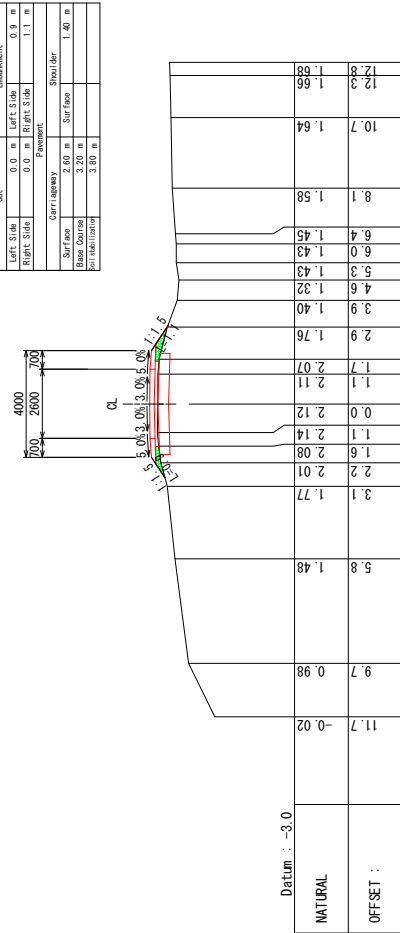
<b>STA. 4+200</b>	
Ground Height	2.14 m Form on Height 2.469 m
Earth Work	0.0 m <sup>3</sup> Embankment 0.3 m <sup>3</sup> cut
Out	0.0 m
Slope Protection	0.0 m
Left Side	0.0 m Left Side 0.8 m
Right Side	0.0 m Right Side 1.0 m
Surface	2.60 m Surface 1.40 m
Base Course	3.20 m
Bituminous	3.80 m
Carriageway	2.60 m
Shoulder	1.40 m

**STA. 4+200**  
GH=2.14  
FH=2.469



<b>STA. 4+000</b>	
Ground Height	2.12 m Form on Height 2.441 m
Earth Work	0.0 m <sup>3</sup> Embankment 0.4 m <sup>3</sup> cut
Out	0.0 m
Slope Protection	0.0 m
Left Side	0.0 m Left Side 0.9 m
Right Side	0.0 m Right Side 1.1 m
Surface	2.60 m Surface 1.40 m
Base Course	3.20 m
Bituminous	3.80 m
Carriageway	2.60 m
Shoulder	1.40 m

**STA. 4+000**  
GH=2.12  
FH=2.441



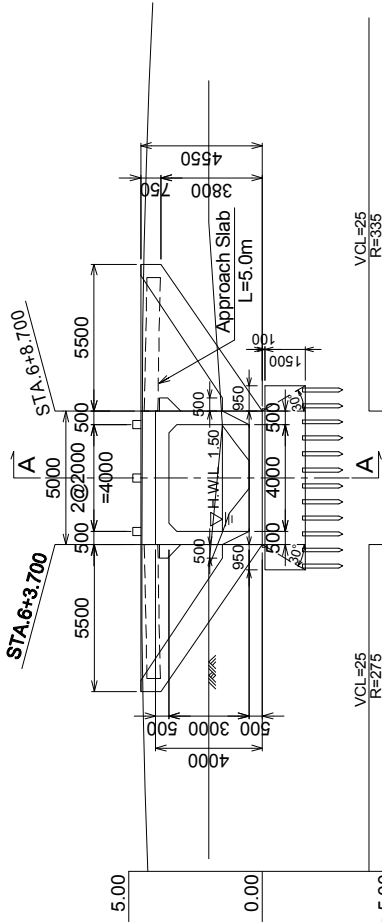
Scale Horizontal 1:200 Vertical 1:200

 THE REPUBLIC OF THE UNION OF MYANMAR  AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY  YACHIYO ENGINEERING CO., LTD.  NIPPON KOEI CO., LTD. 	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	The Kan Wa Village Tract  Route Tha Kan Wa	SHEET CONTENTS  CROSS SECTION STA.4+000 ~ STA.4+300	SCALE S=1:200	DATE DEC 2018	PAGE NO. 90 / 129
	CROSS SECTION STA.4+000 ~ STA.4+300						



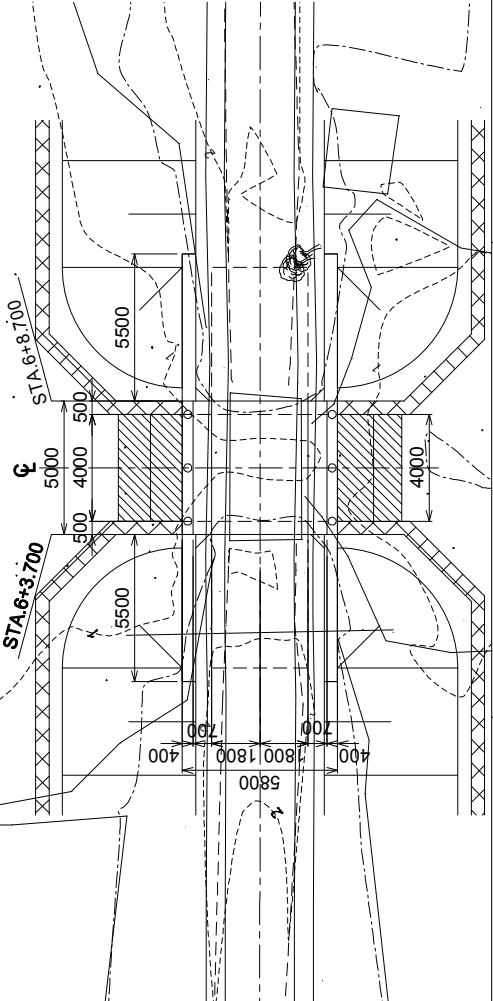
# GENERAL VIEW OF SS-BC1

PROFILE S=1:200



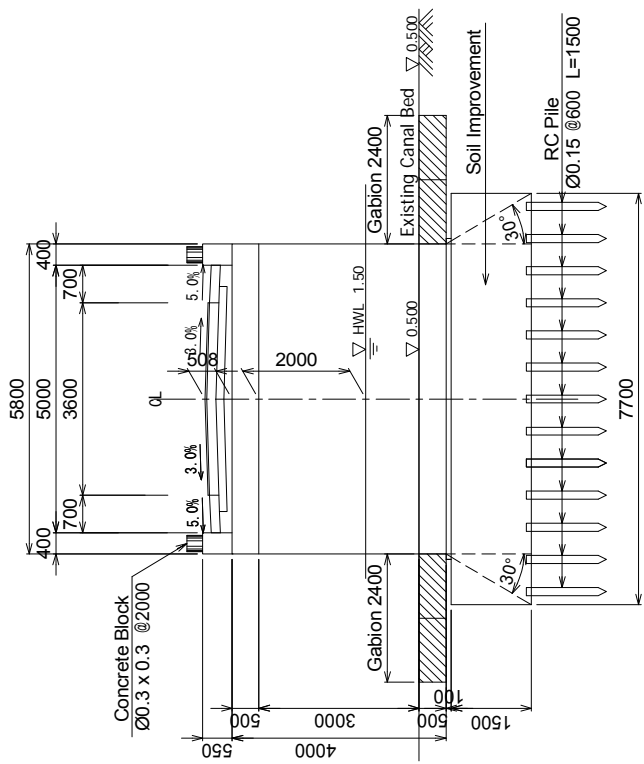
VERTICAL ALIGNMENT	4.482
FORMATION HEIGHT	4.231
GROUND HEIGHT	4.277
STATION	4.502
HORIZONTAL CURVATURE	R=∞
SUPER ELEVATION	-3.00%

PLAN VIEW S=1:200



CROSS SECTION S=1:100

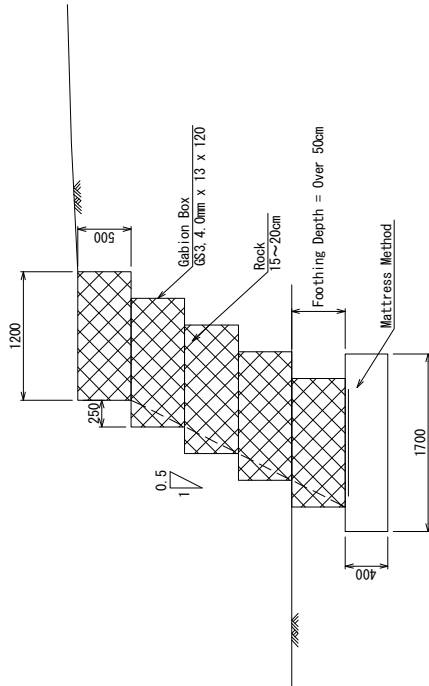
## A - A



 THE REPUBLIC OF THE UNION OF MYANMAR AYEAWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Sit Sali Htone Village Tract Route Sit Sali Htone	SHEET CONTENTS GENERAL VIEW OF SS-BC1	SCALE DATE PAGE NO.	As Shown DEC 2018 92 / 129

# STANDARD DRAWING OF REVETMENT

SECTION S=1:50



GABION LIST

Route	Station	Structure No.	Size	Installation Length (m)
Route Sit Sali Thone	STA. 0 + 14.8	SS-RE1	5 Layers	28.0
	STA. 0 + 25.4	SS-RE2	5 Layers	29.0
	STA. 5 + 993.3 ~ STA. 5 + 977.0	SS-RE3	3 Layers	4.0
	STA. 5 + 977.0 ~ STA. 6 + 4.5	SS-RE4	4 Layers	9.0
	STA. 5 + 993.3 ~ STA. 5 + 977.0	SS-RE5	3 Layers	4.0
	STA. 5 + 977.0 ~ STA. 6 + 4.5	SS-RE6	4 Layers	9.0
	STA. 6 + 7.8 ~ STA. 6 + 16.5	SS-RE7	4 Layers	9.0
	STA. 6 + 16.5 ~ STA. 6 + 19.1	SS-RE8	3 Layers	3.0
	STA. 6 + 16.5 ~ STA. 6 + 19.1	SS-RE9	4 Layers	9.0
	STA. 6 + 16.5 ~ STA. 6 + 19.1	SS-RE10	3 Layers	3.0
	STA. 8 + 380.0	SS-RE11	3 Layers	9.0
	STA. 8 + 383.3	SS-RE12	3 Layers	11.0
	STA. 8 + 382.8	SS-RE13	4 Layers	11.0
	STA. 8 + 386.9	SS-RE14	4 Layers	12.0
	STA. 8 + 386.6	SS-RE15	3 Layers	10.0
	STA. 8 + 390.4	SS-RE16	3 Layers	7.0
	STA. 11 + 369.4 ~ STA. 11 + 376.8	SS-RE17	5 Layers	30.0
	STA. 11 + 387.3 ~ STA. 11 + 382.3	SS-RE18	5 Layers	30.0
	STA. 11 + 488.7 ~ STA. 11 + 508.7	SS-RE19	4 Layers	10.0
	STA. 11 + 597.0 ~ STA. 11 + 612.0	SS-RE20	2 Layers	15.0
STA. 11 + 642.2 ~ STA. 11 + 662.2	SS-RE21	3 Layers	20.0	
STA. 11 + 667.9 ~ STA. 11 + 687.9	SS-RE22	3 Layers	20.0	
Route Tha Kan We	STA. 1 + 713.7 ~ STA. 1 + 723.3	TK-RE1	6 Layers	30.0
	STA. 1 + 730.8 ~ STA. 1 + 739.1	TK-RE2	6 Layers	30.0
	STA. 1 + 736.6 ~ STA. 1 + 744.4	TK-RE3	4 Layers	12.0
	STA. 1 + 736.6 ~ STA. 1 + 756.5	TK-RE4	4 Layers	20.0
	STA. 1 + 756.5 ~ STA. 1 + 786.7	TK-RE5	3 Layers	30.0
	STA. 2 + 695.1 ~ STA. 2 + 700.0	TK-RE6	3 Layers	5.0
	STA. 2 + 700.0 ~ STA. 2 + 714.0	TK-RE7	4 Layers	15.0
	STA. 2 + 714.0 ~ STA. 2 + 745.2	TK-RE8	5 Layers	30.0
	STA. 2 + 741.3 ~ STA. 2 + 750.4	TK-RE9	7 Layers	32.0
	STA. 2 + 770.4 ~ STA. 2 + 775.4	TK-RE10	7 Layers	30.0
	STA. 3 + 230.0 ~ STA. 3 + 320.0	TK-RE11	3 Layers	40.0

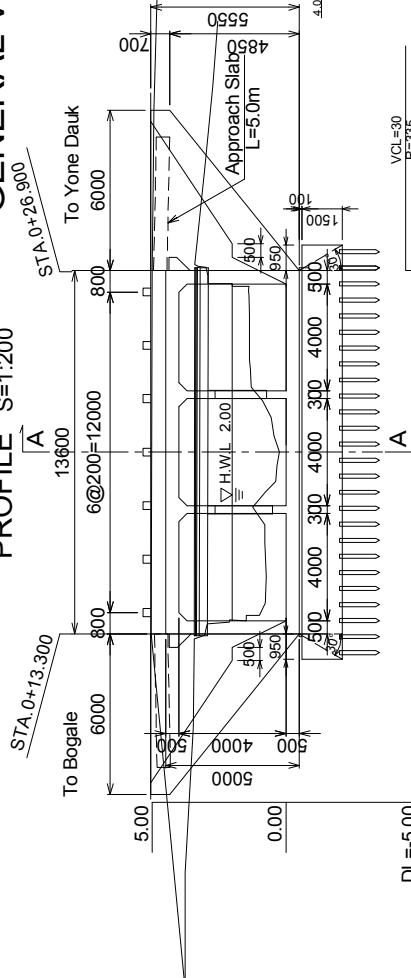
GABION LIST

Route	Station	Structure No.	Size	Installation Length (m)
Route Sa Bai Kone	STA. 0 + 147.2 ~ STA. 0 + 216.7	SB-RE1	4 Layers	74.0
	STA. 0 + 147.2 ~ STA. 0 + 164.2	SB-RE2	4 Layers	21.0
	STA. 0 + 164.2 ~ STA. 0 + 207.2	SB-RE3	7 Layers	43.0
	STA. 0 + 164.2 ~ STA. 0 + 207.2	SB-RE4	7 Layers	43.0
	STA. 0 + 164.2 ~ STA. 0 + 216.7	SB-RE5	5 Layers	53.0
	STA. 0 + 216.7 ~ STA. 0 + 218.4	SB-RE6	2 Layers	10.0
	STA. 0 + 216.7 ~ STA. 0 + 218.4	SB-RE7	2 Layers	10.0
	STA. 0 + 269.1 ~ STA. 0 + 317.4	SB-RE8	4 Layers	48.0
	STA. 0 + 269.1 ~ STA. 0 + 317.4	SB-RE9	5 Layers	48.0
	STA. 0 + 276.2 ~ STA. 0 + 317.4	SB-RE10	7 Layers	40.0
	STA. 0 + 276.2 ~ STA. 0 + 317.4	SB-RE11	7 Layers	40.0
	STA. 0 + 317.4 ~ STA. 0 + 331.2	SB-RE12	4 Layers	18.0
	STA. 0 + 317.4 ~ STA. 0 + 331.2	SB-RE13	4 Layers	18.0
	STA. 0 + 331.2 ~ STA. 0 + 419.6	SB-RE14	4 Layers	86.0
	STA. 2 + 455.3 ~ STA. 2 + 485.3	SB-RE15	3 Layers	10.0
	STA. 2 + 465.3 ~ STA. 2 + 479.3	SB-RE16	4 Layers	14.0
	STA. 2 + 479.3 ~ STA. 2 + 485.3	SB-RE17	5 Layers	6.0
	STA. 2 + 485.3 ~ STA. 2 + 491.3	SB-RE18	6 Layers	6.0
	STA. 2 + 491.3 ~ STA. 2 + 497.3	SB-RE19	7 Layers	6.0
	STA. 2 + 497.3 ~ STA. 2 + 515.3	SB-RE20	8 Layers	18.0
	STA. 2 + 515.3 ~ STA. 2 + 522.0	SB-RE21	4 Layers	7.0
	STA. 2 + 519.8 ~ STA. 2 + 522.8	SB-RE22	4 Layers	21.0
	STA. 2 + 537.8 ~ STA. 2 + 539.8	SB-RE23	4 Layers	2.0
	STA. 2 + 544.3 ~ STA. 2 + 544.3	SB-RE24	4 Layers	7.0
	STA. 2 + 544.3 ~ STA. 2 + 560.0	SB-RE25	7 Layers	16.0
	STA. 2 + 560.0 ~ STA. 2 + 566.1	SB-RE26	6 Layers	8.0
	STA. 2 + 568.1 ~ STA. 2 + 576.0	SB-RE27	5 Layers	8.0
	STA. 2 + 576.0 ~ STA. 2 + 588.3	SB-RE28	4 Layers	12.0
	STA. 2 + 589.4 ~ STA. 2 + 695.0	SB-RE29	5 Layers	105.0
	STA. 2 + 695.0 ~ STA. 2 + 855.0	SB-RE30	4 Layers	160.0
STA. 3 + 119.8 ~ STA. 3 + 125.0	SB-RE31	2 Layers	5.0	
STA. 3 + 125.0 ~ STA. 3 + 130.0	SB-RE32	3 Layers	5.0	
STA. 3 + 130.0 ~ STA. 3 + 140.0	SB-RE33	4 Layers	10.0	
STA. 3 + 140.0 ~ STA. 3 + 118.0	SB-RE34	5 Layers	8.0	
STA. 3 + 118.0 ~ STA. 3 + 156.2	SB-RE35	6 Layers	8.0	
STA. 3 + 156.2 ~ STA. 3 + 168.9	SB-RE36	7 Layers	13.0	
STA. 3 + 168.9 ~ STA. 3 + 175.6	SB-RE37	4 Layers	7.0	
STA. 3 + 174.9 ~ STA. 3 + 176.5	SB-RE38	4 Layers	23.0	
STA. 3 + 190.6 ~ STA. 3 + 192.5	SB-RE39	4 Layers	12.0	
STA. 3 + 191.3 ~ STA. 3 + 198.0	SB-RE40	4 Layers	7.0	
STA. 3 + 198.0 ~ STA. 3 + 212.7	SB-RE41	8 Layers	13.0	
STA. 3 + 212.7 ~ STA. 3 + 217.0	SB-RE42	7 Layers	4.0	
STA. 3 + 217.0 ~ STA. 3 + 221.0	SB-RE43	6 Layers	4.0	
STA. 3 + 221.0 ~ STA. 3 + 227.5	SB-RE44	5 Layers	7.0	
STA. 3 + 191.3 ~ STA. 3 + 196.0	SB-RE45	4 Layers	7.0	
STA. 3 + 198.0 ~ STA. 3 + 212.7	SB-RE46	8 Layers	13.0	
STA. 3 + 212.7 ~ STA. 3 + 217.0	SB-RE47	7 Layers	4.0	
STA. 3 + 217.0 ~ STA. 3 + 223.5	SB-RE48	6 Layers	6.0	
STA. 3 + 223.5 ~ STA. 3 + 224.4	SB-RE49	4 Layers	8.0	

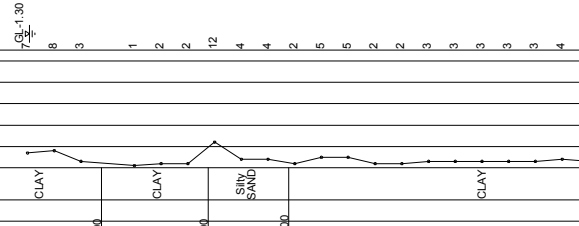
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				SCALE	S=1:50
<p>AYEYAWADY REGION</p>	<p>YACHIYO ENGINEERING CO., LTD.</p>	<p>NIPPON KOEI CO., LTD.</p>	STANDARD DRAWING OF REVETMENT		
			DATE	DEC 2018	PAGE NO.

# GENERAL VIEW OF SS-BR1

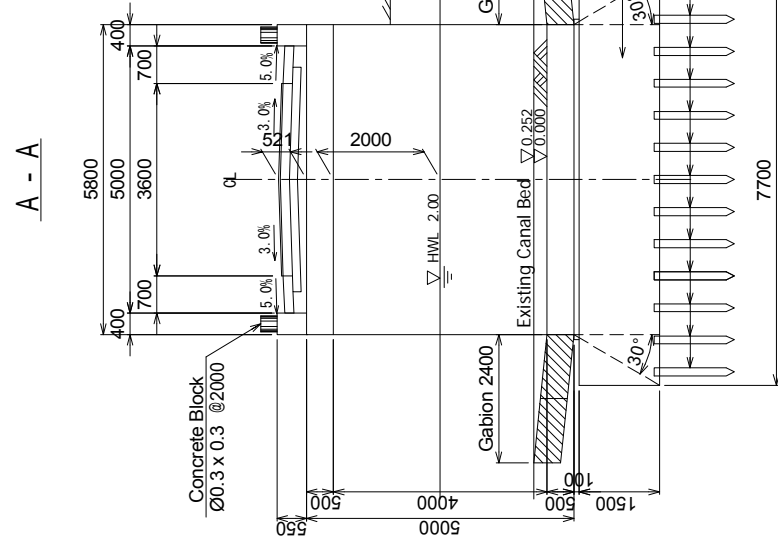
PROFILE S=1:200



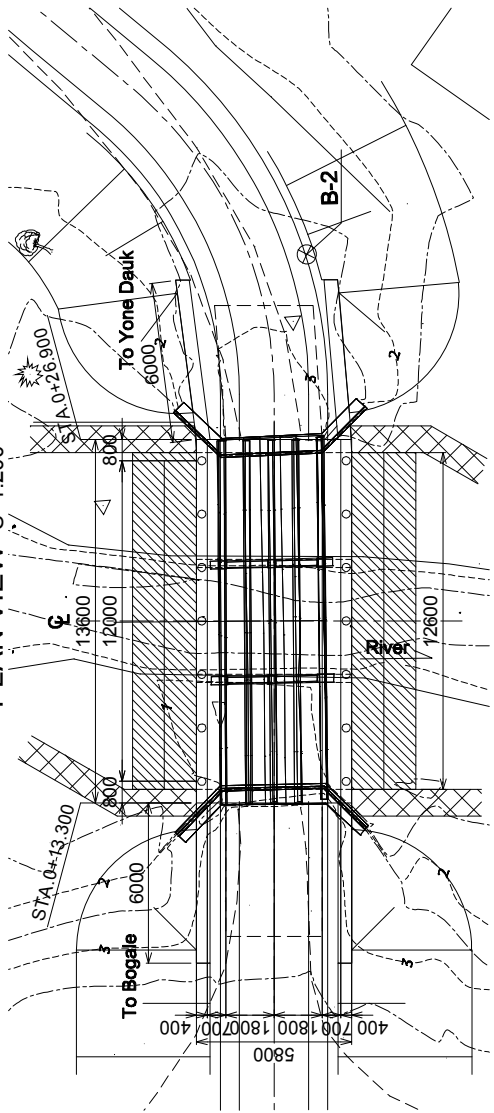
VERTICAL ALIGNMENT	FORMATION HEIGHT	GROUND HEIGHT	STATION	HORIZONTAL CURVATURE	SUPER ELEVATION
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	5.041	5.021	20.000	Re=∞	-3.00%
	5.000	5.000	26.900	Re=15 L=13.272	-3.00%
	4.990	4.990	32.600		
	4.976	4.976	30.000		



CROSS SECTION S=1:100



PLAN VIEW S=1:200

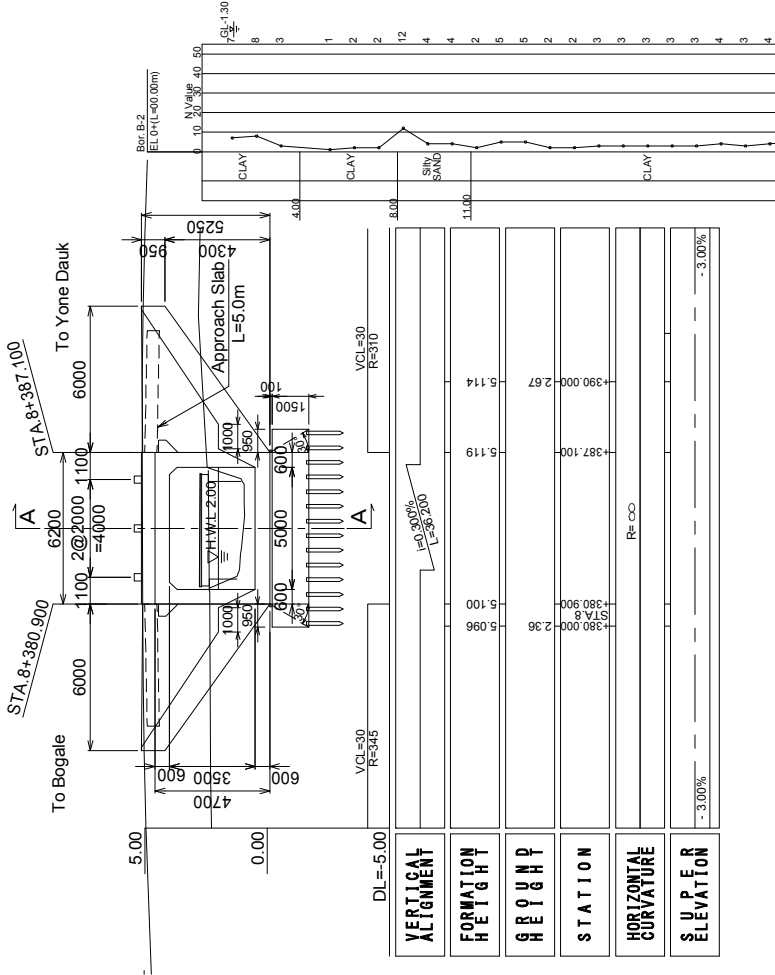


 THE REPUBLIC OF THE UNION OF MYANMAR AYEYAWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY 	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Sit Sali Htone Village Tract Route Sit Sali Htone	SHEET CONTENTS GENERAL VIEW OF SS-BR1	SCALE As Shown
	YACHIYO ENGINEERING CO., LTD.  NIPPON KOEI CO., LTD.	DEC 2018 DATE	94 / 129 PAGE NO.		



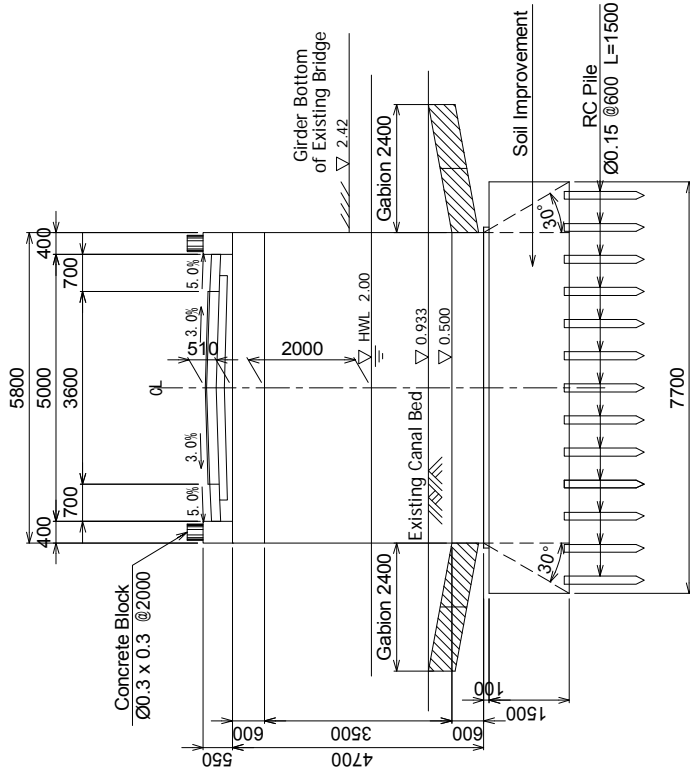
# GENERAL VIEW OF SS-BR2

PROFILE S=1:200

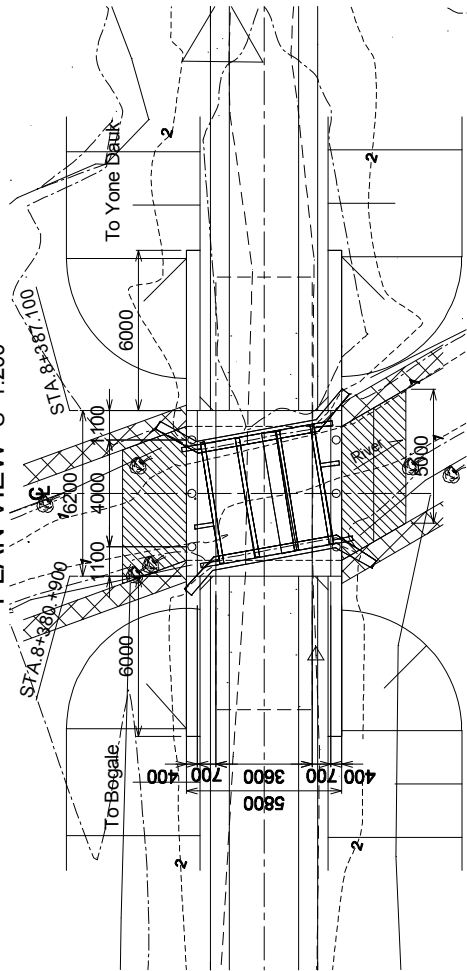


CROSS SECTION S=1:100

## A - A



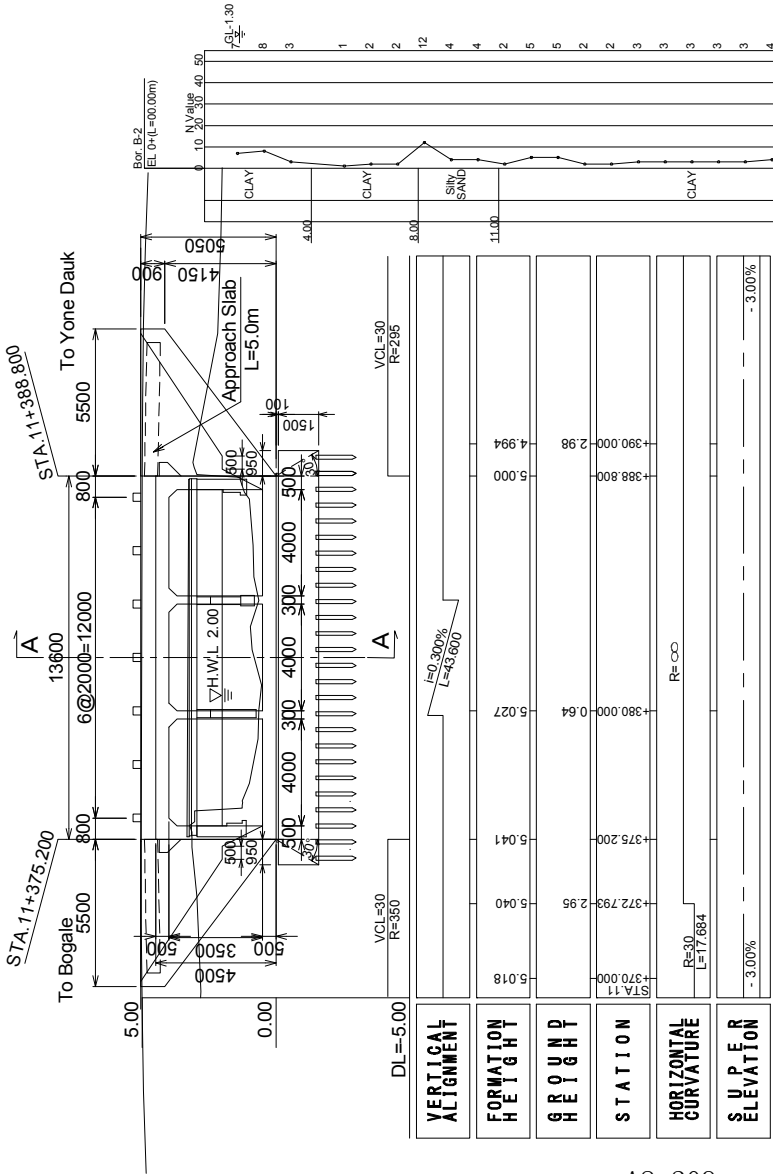
PLAN VIEW S=1:200



 THE REPUBLIC OF THE UNION OF MYANMAR AYEYAWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Sit Sali Htone Village Tract Route Sit Sali Htone	SHEET CONTENTS GENERAL VIEW OF SS-BR2	SCALE As Shown
		DATE DEC 2018	PAGE NO. 95 / 129			

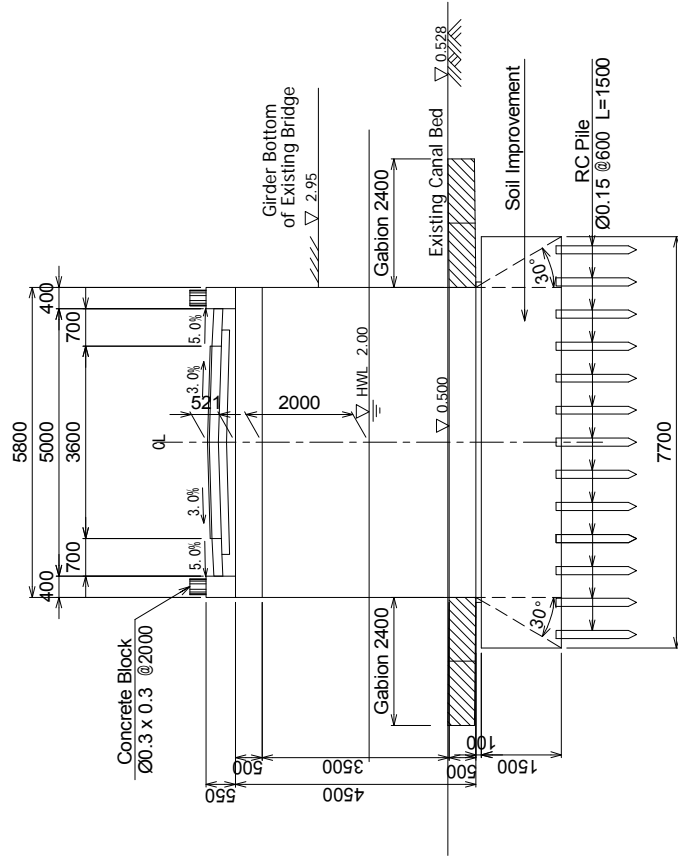
# GENERAL VIEW OF SS-BR3

PROFILE S=1:200

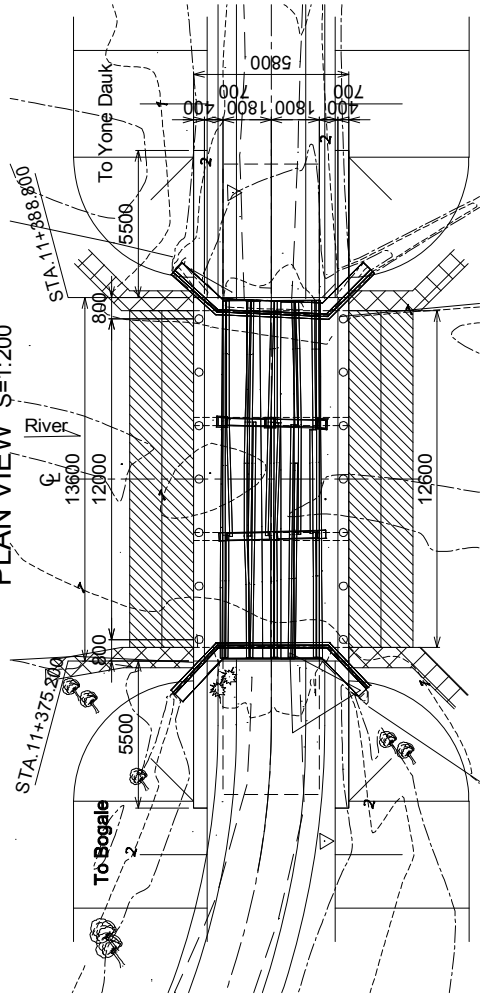


CROSS SECTION S=1:100

A - A



PLAN VIEW S=1:200



A8-209

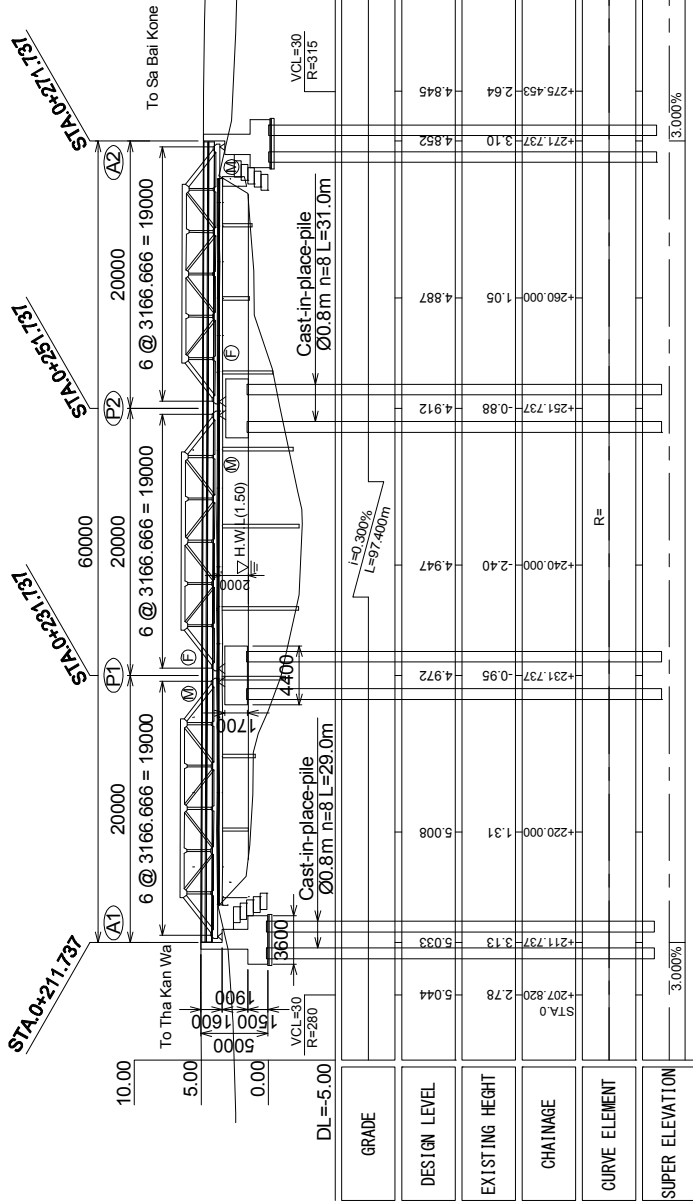
 THE REPUBLIC OF THE UNION OF MYANMAR AYEAWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY  YACHIYO ENGINEERING CO., LTD.  NIPPON KOEI CO., LTD. 	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Sit Sali Htone Village Tract Route Sit Sali Htone	SHEET CONTENTS GENERAL VIEW OF SS-BR3	SCALE DATE PAGE NO.	As Shown DEC 2018 96 / 129

# GENERAL VIEW OF SB-BR1

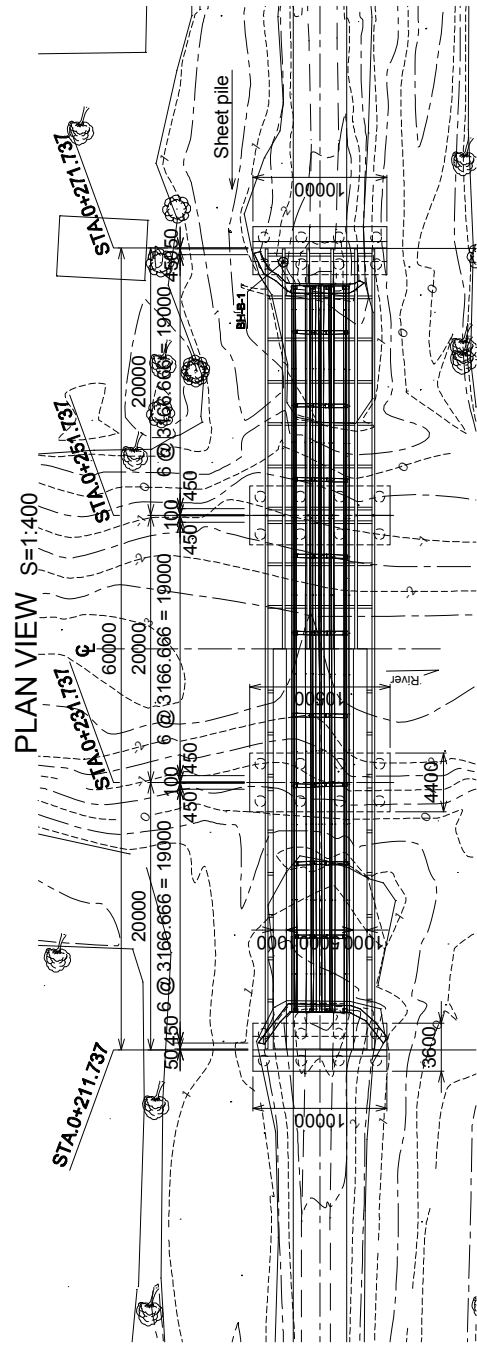
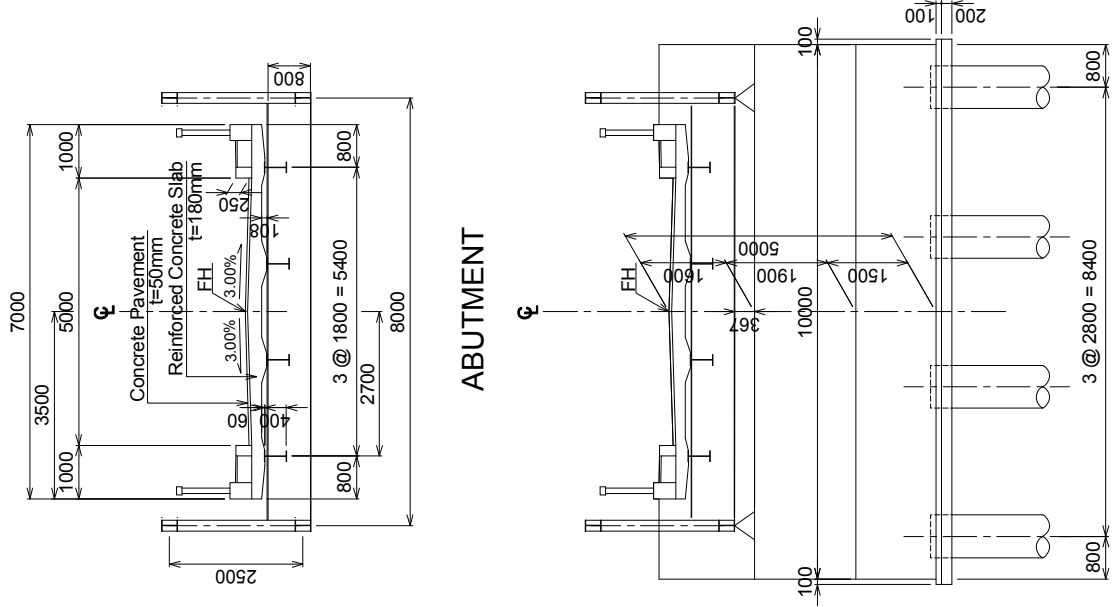
PROFILE S=1:400

CROSS SECTION S=1:100

## SUPERSTRUCTURE

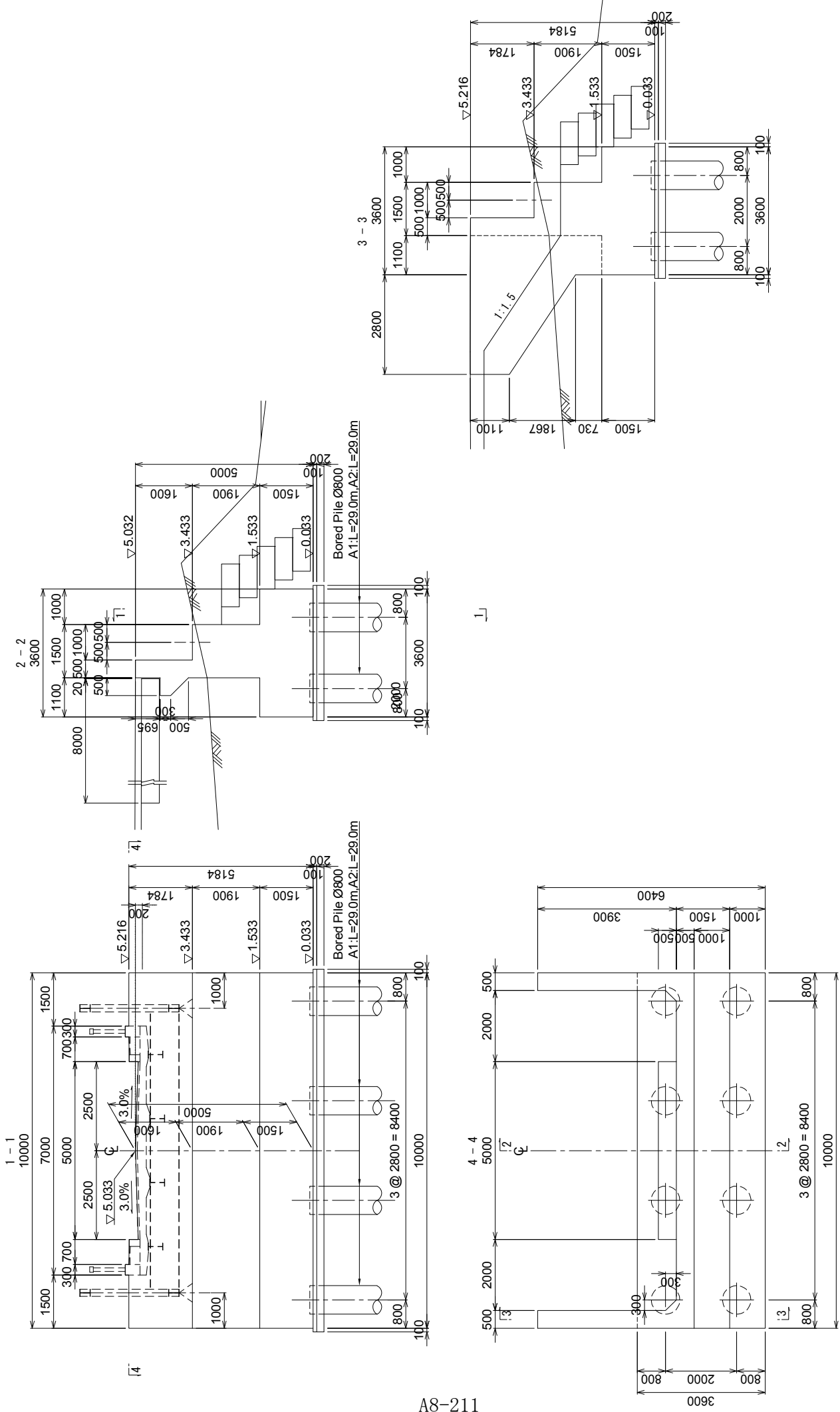


## ABUTMENT



 THE REPUBLIC OF THE UNION OF MYANMAR AYEAWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY  YACHIOY ENGINEERING CO., LTD.  NIPPON KOEI CO., LTD. 	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Sa Bai Kone Village Tract Route Sa Bai Kone	SHEET CONTENTS GENERAL VIEW OF SB-BR1	SCALE As Shown	DATE DEC 2018	PAGE NO. 97 / 129
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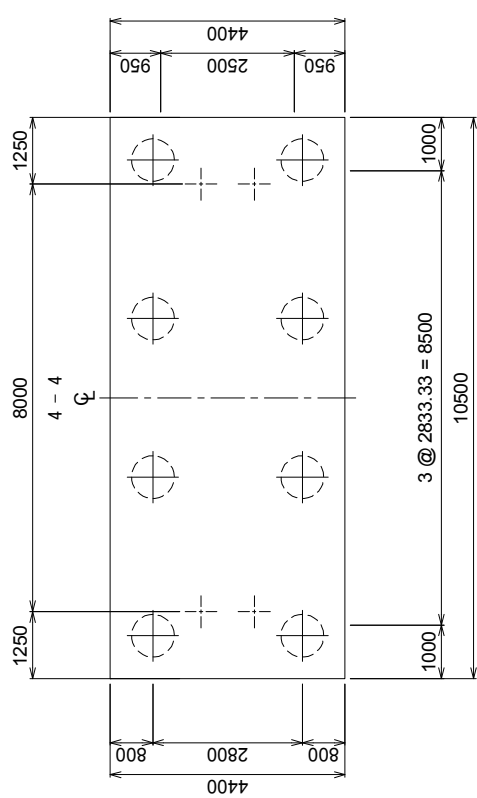
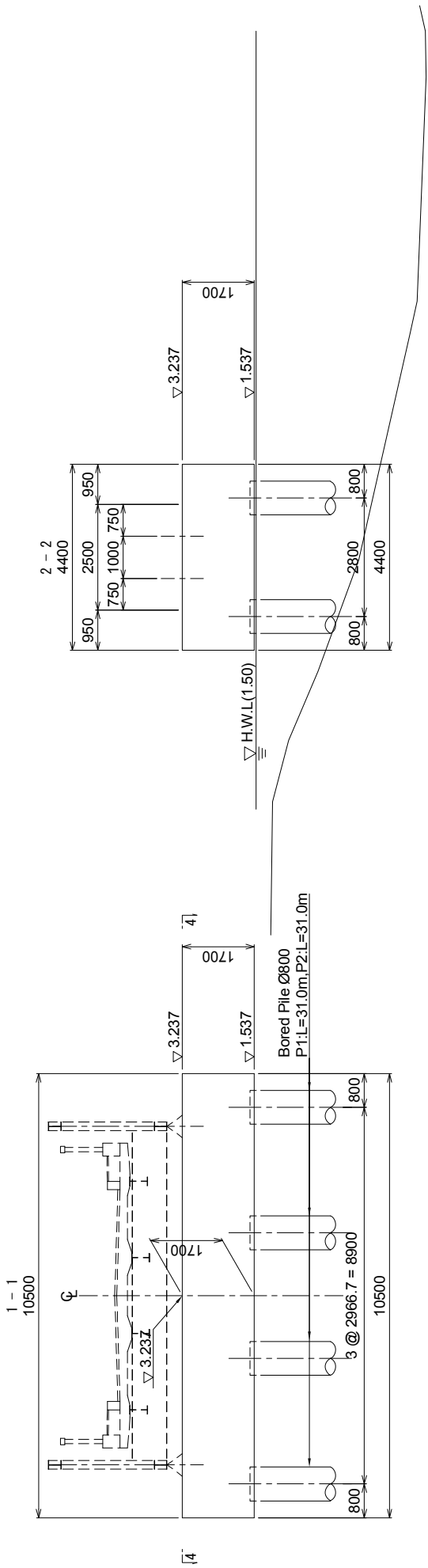
# GENERAL ARRANGEMENT OF ABUTMENT



A8-211

	THE REPUBLIC OF THE UNION OF MYANMAR  AYEYAWADY REGION	JICA YEA NIPPON KOEI CO., LTD.	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Sa Bai Kone Village Tract  Route Sa Bai Kone	SHEET CONTENTS  GENERAL ARRANGEMENT OF ABUTMENT (SB-BR1)	SCALE 1:100	DATE DEC 2018	PAGE NO. 98 / 129
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# GENERAL ARRANGEMENT OF PIER

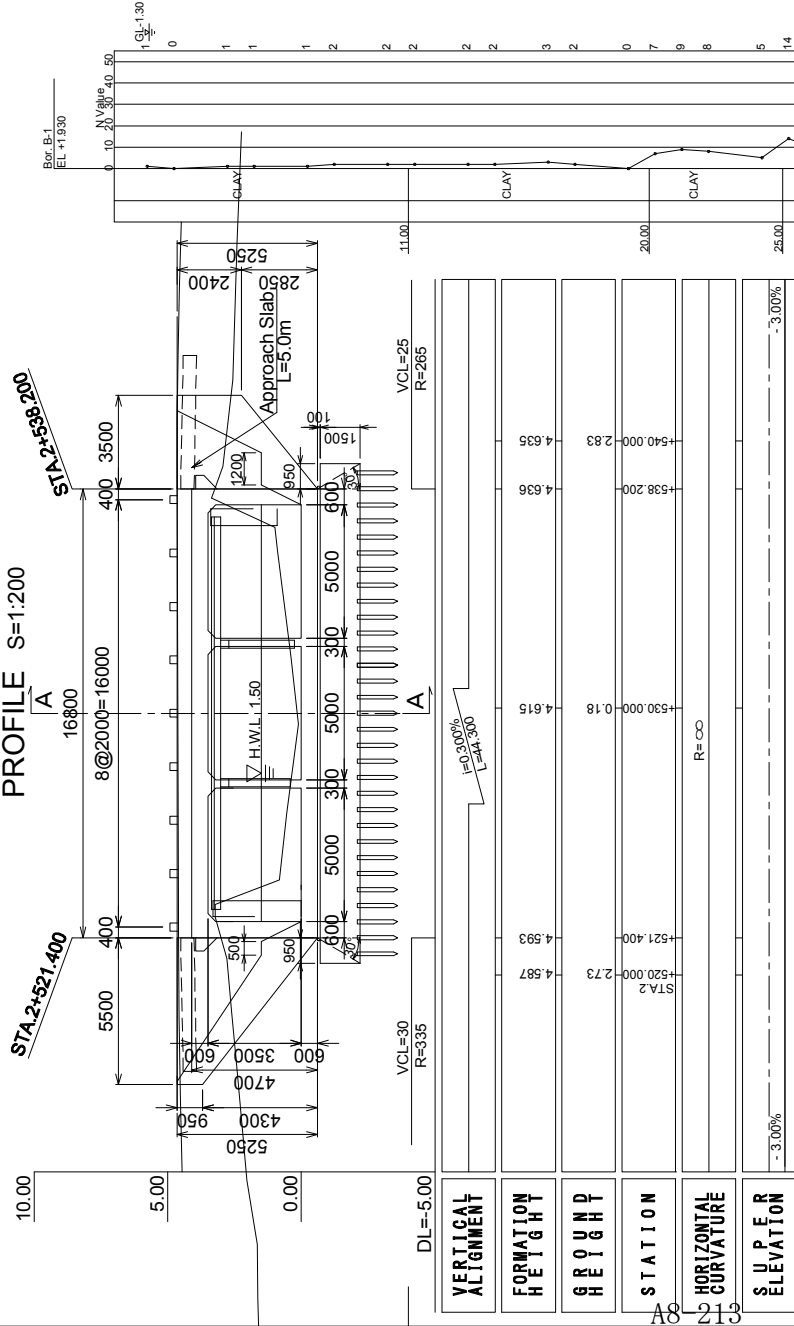


A8-212

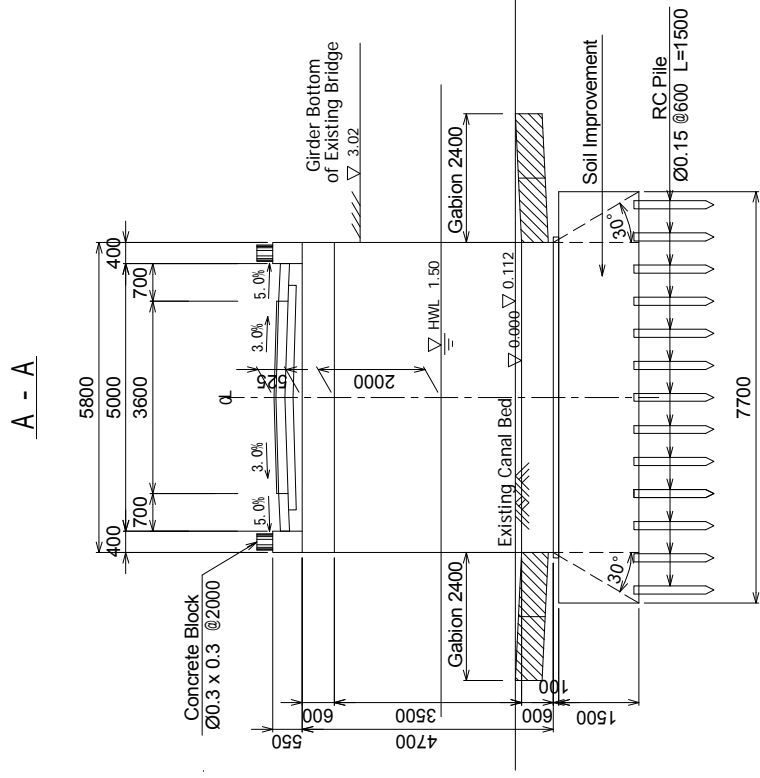
THE REPUBLIC OF THE UNION OF MYANMAR AYEYAWADY REGION	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Sa Bai Kone Village Tract		SHEET CONTENTS GENERAL ARRANGEMENT OF PIER (SB-BR1)	SCALE	1:100
			Route Sa Bai Kone			DATE	DEC 2018
						PAGE NO.	99 / 129

# GENERAL VIEW OF SB-BR2

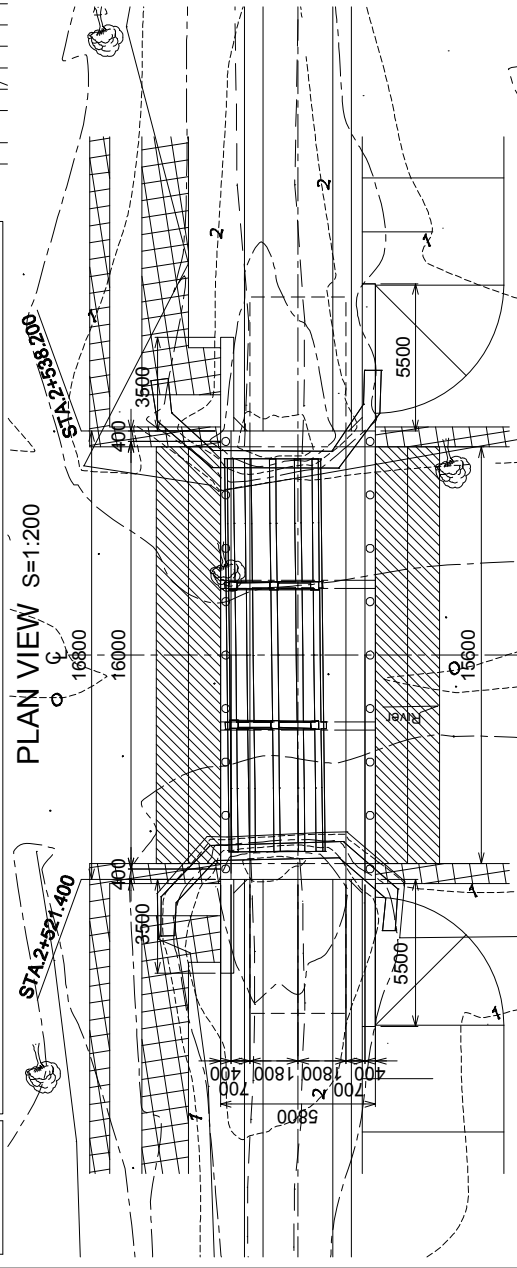
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CROSS SECTION S=1:100



PLAN VIEW S=1:200



THE REPUBLIC OF THE UNION OF MYANMAR

AYEYAWADY REGION

JAPAN INTERNATIONAL COOPERATION AGENCY  
 YACHIYO ENGINEERING CO., LTD.  
 NIPPON KOEI CO., LTD.

THE PROJECT FOR  
 RURAL INFRASTRUCTURE DEVELOPMENT  
 IN LOCAL AREAS

Sa Bai Kone Village Tract  
 Route Sa Bai Kone

SHEET CONTENTS  
 GENERAL VIEW OF SB-BR2

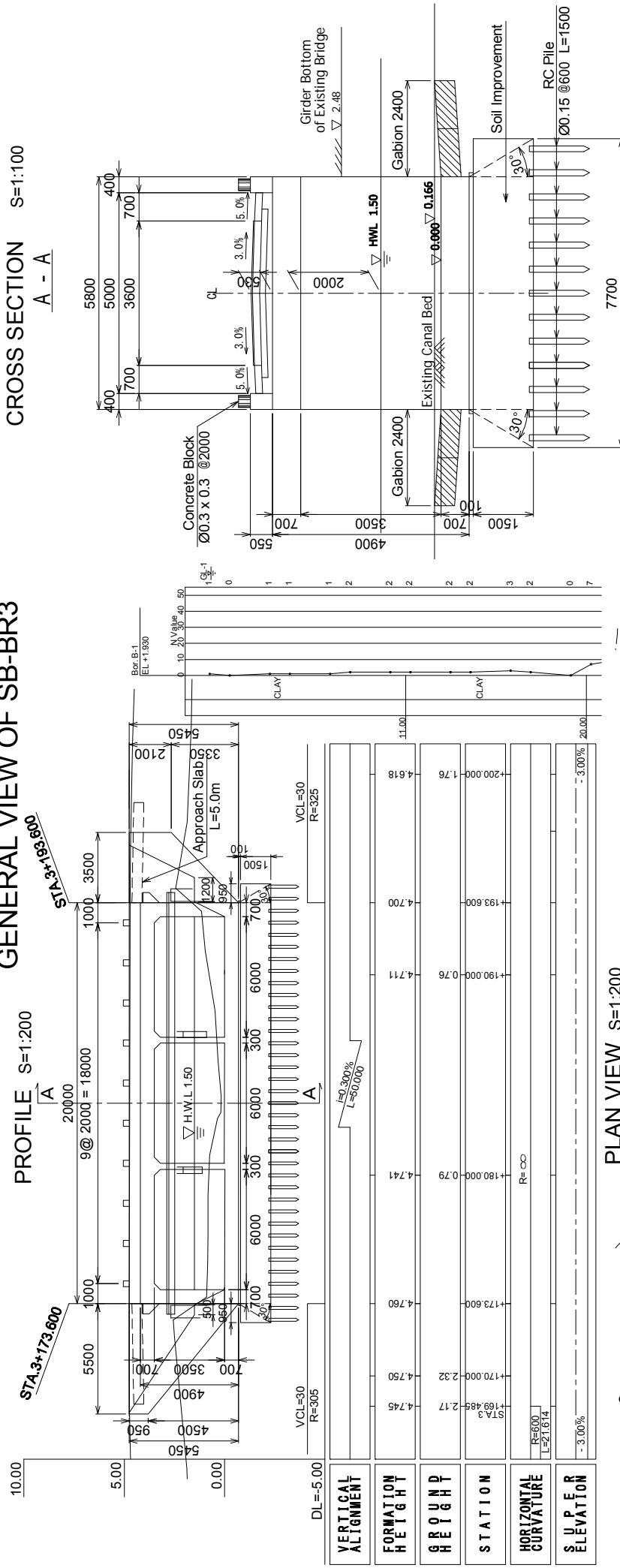
SCALE As Shown  
 DATE DEC 2018  
 PAGE NO. 100 / 129

# GENERAL VIEW OF SB-BR3

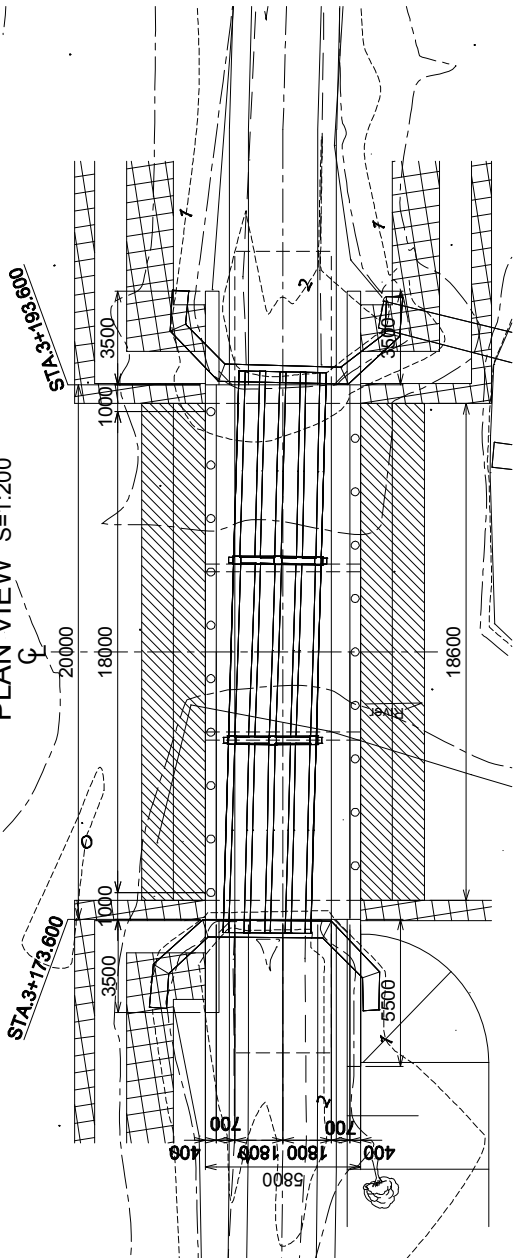
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CROSS SECTION S=1:100

A - A



PLAN VIEW S=1:200



A8-214

 THE REPUBLIC OF THE UNION OF MYANMAR AYEYAWADY REGION	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Sa Bai Kone Village Tract Route Sa Bai Kone	SHEET CONTENTS GENERAL VIEW OF SB-BR3	SCALE DATE PAGE NO.	As Shown DEC 2018 101 / 129
			Sa Bai Kone Village Tract Route Sa Bai Kone	SHEET CONTENTS GENERAL VIEW OF SB-BR3	SCALE DATE PAGE NO.	As Shown DEC 2018 101 / 129

# GENERAL VIEW OF TK-BR1

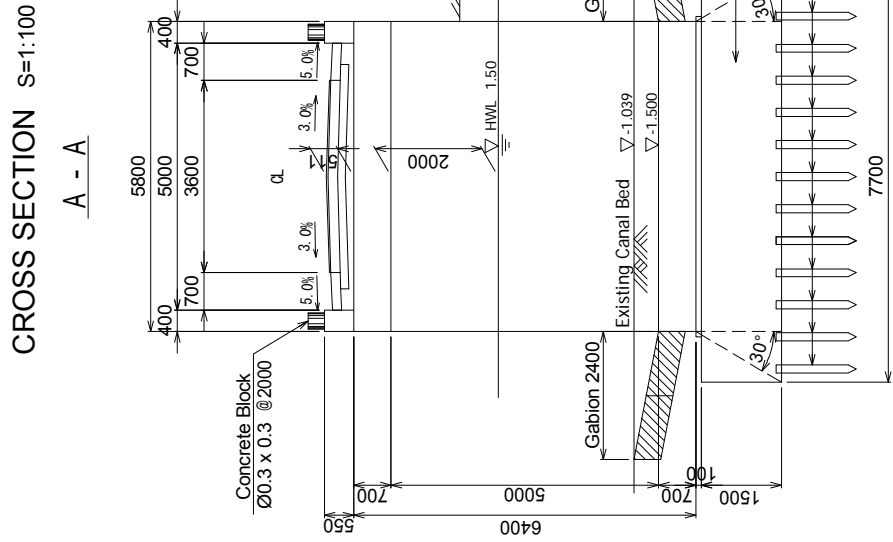
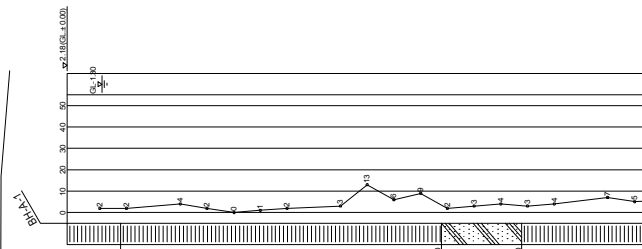
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STA.1+723.400

STA.1+730.800

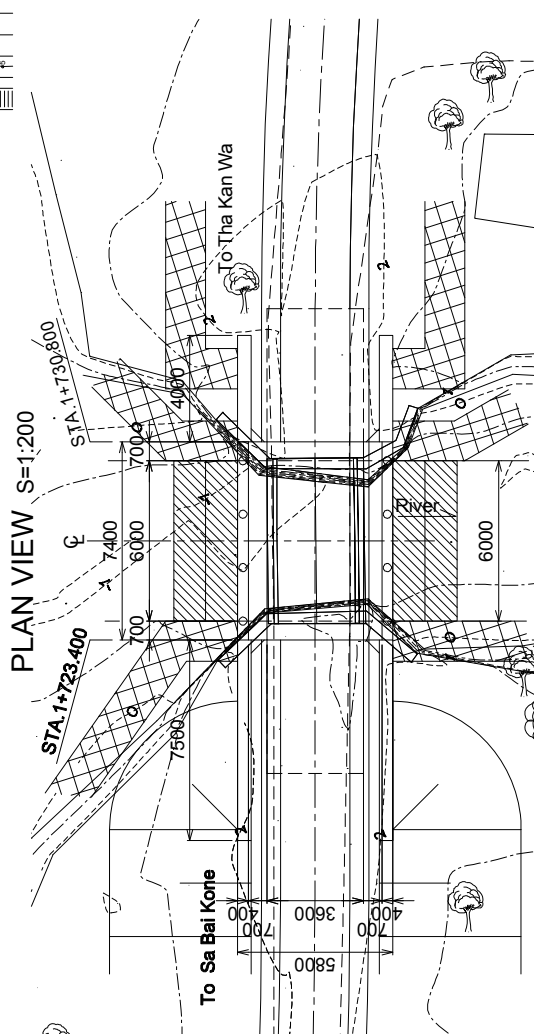
CROSS SECTION S=1:100

A - A



GRADE	DESIGN LEVEL	EXISTING HEIGHT	CHAINAGE	CURVE ELEMENT	SUPER ELEVATION
DL = -5.00					
	4.561	4.561	+740.000	R=∞	
	4.682	4.682	+736.792	R=70 L=15.978	
	4.702	4.702	+730.800		
	4.722	4.722	+723.400		
	4.716	4.716	+720.000		
					-3.00%

PLAN VIEW S=1:200

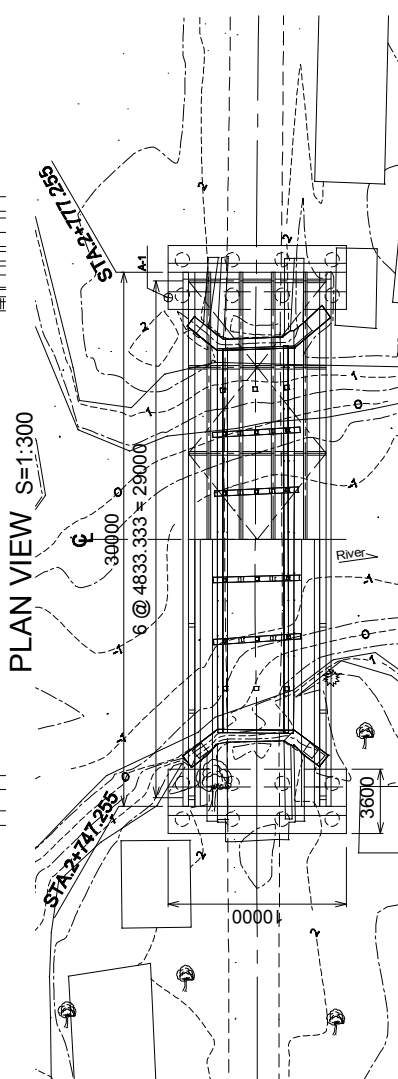
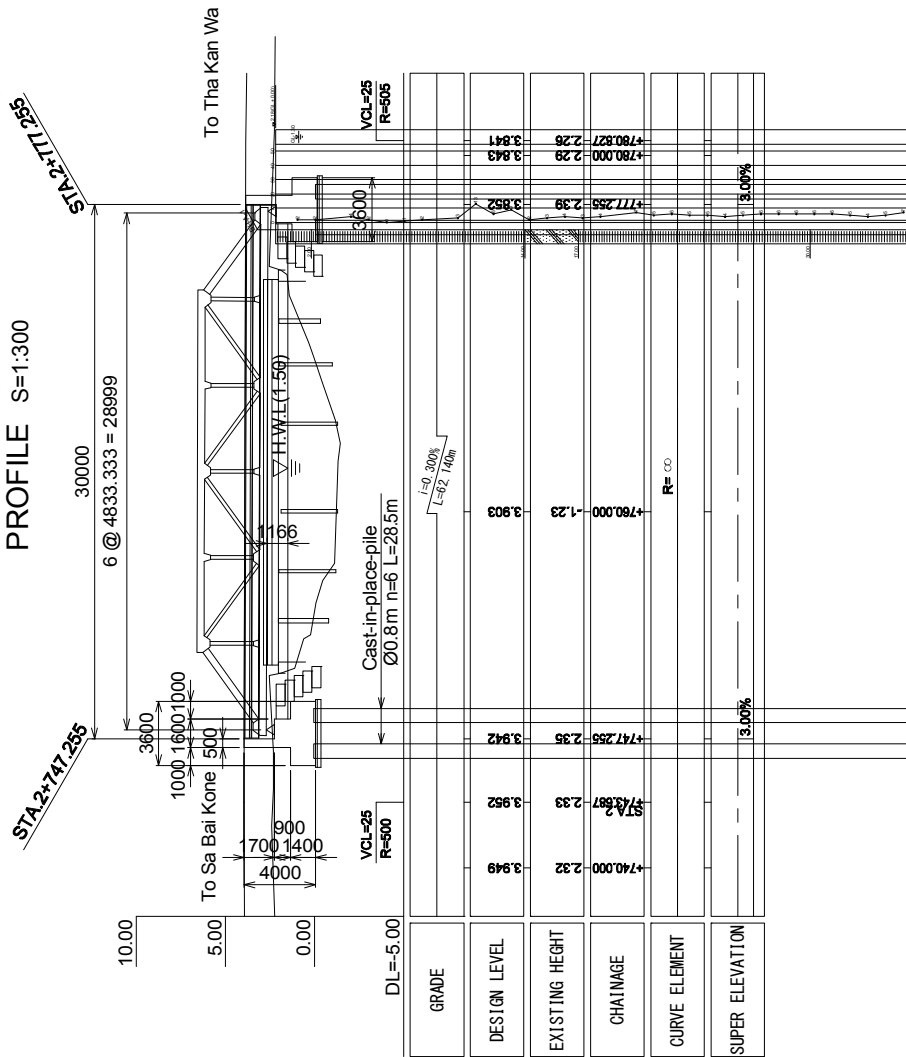


 <p>THE REPUBLIC OF THE UNION OF MYANMAR</p>	<p>AYEYAWADY REGION</p>	 <p>JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.</p>	<p>THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS</p>		<p>Tha Kan Wa Village Tract</p>	<p>SHEET CONTENTS</p>	<p>SCALE</p>	<p>As Shown</p>
			<p>Route Tha Kan Wa</p>	<p>GENERAL VIEW OF TK-BR1</p>	<p>DATE</p>	<p>DEC 2018</p>	<p>PAGE NO.</p>	<p>102 / 129</p>

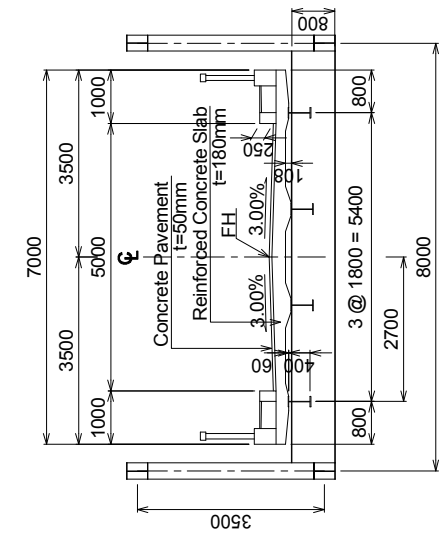


# GENERAL VIEW OF TK-BR2

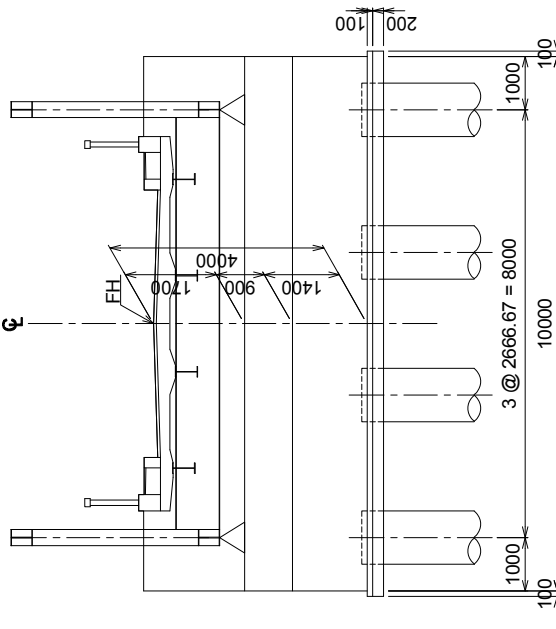
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# CROSS SECTION S=1:100 SUPERSTRUCTURE



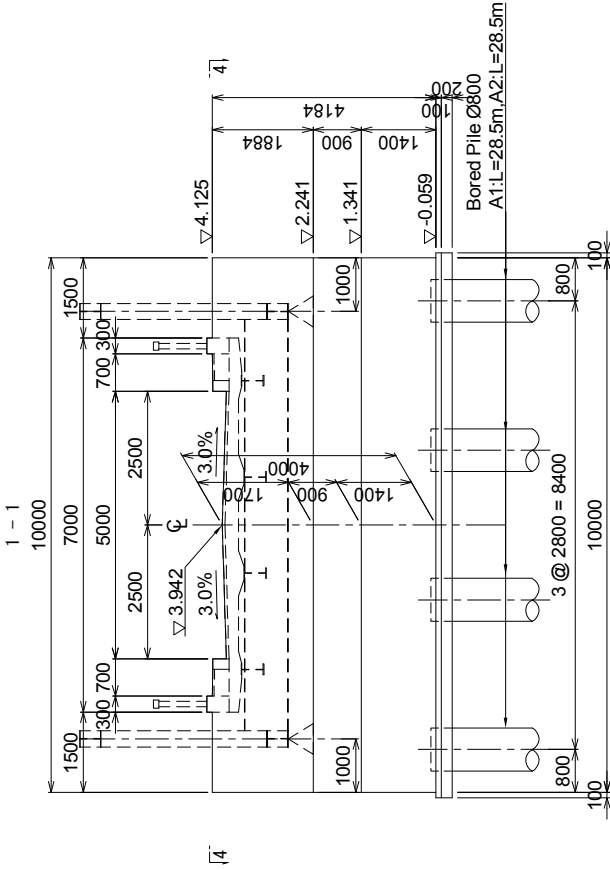
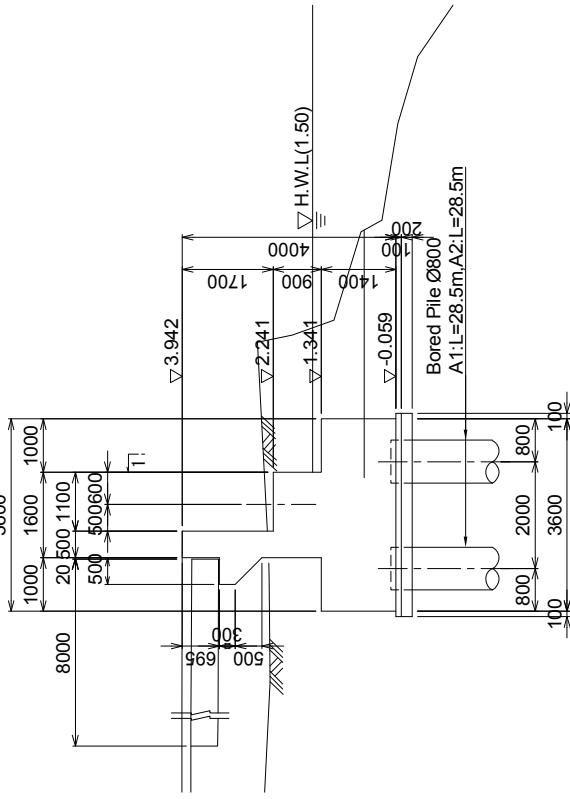
# ABUTMENT



THE REPUBLIC OF THE UNION OF MYANMAR AYEYAWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY  YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Tha Kan Wa Village Tract	SCALE As Shown
		GENERAL VIEW OF TK-BR2		Route Tha Kan Wa	DATE DEC 2018

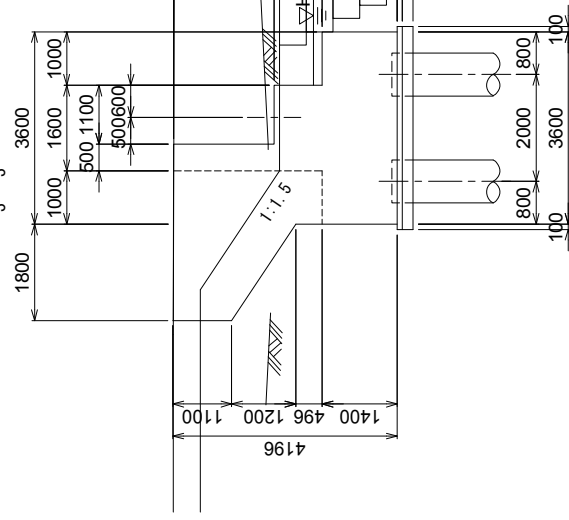
# GENERAL ARRANGEMENT OF ABUTMENT

2 - 2

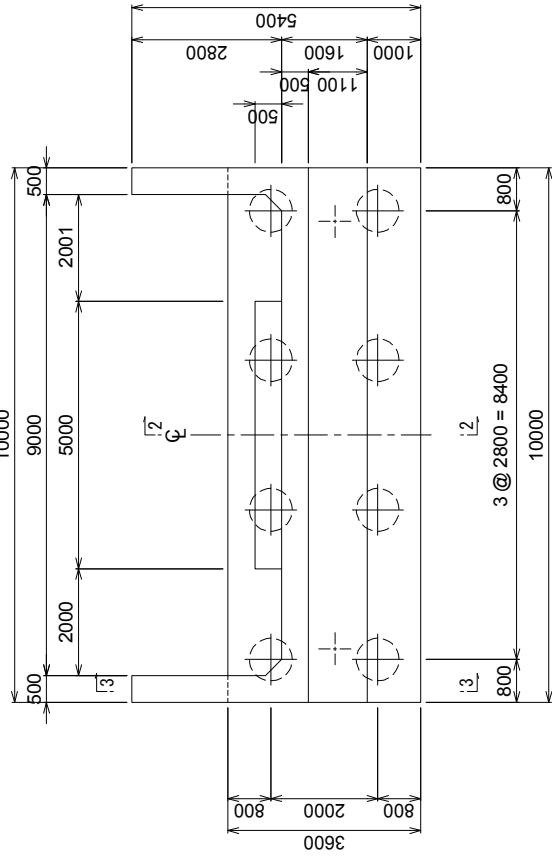


1-1

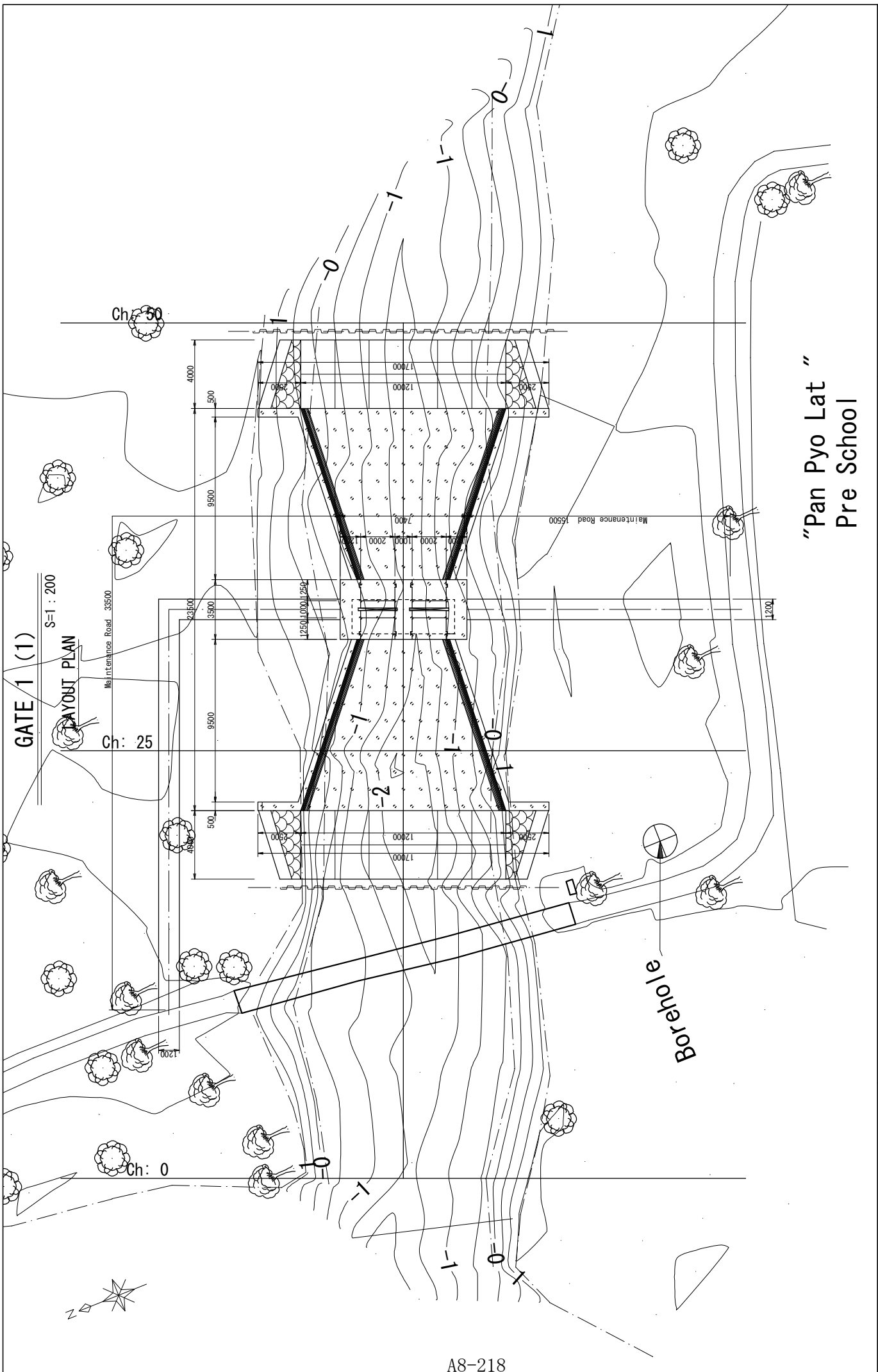
3 - 3



4 - 4



 THE REPUBLIC OF THE UNION OF MYANMAR  AYEAWADY REGION	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Tha Kan Wa Village Tract  Route Tha Kan Wa		SHEET CONTENTS GENERAL ARRANGEMENT OF ABUTMENT (TK-BR2)		SCALE	1:100	
									DATE	DEC 2018	
										PAGE NO.	104 / 129



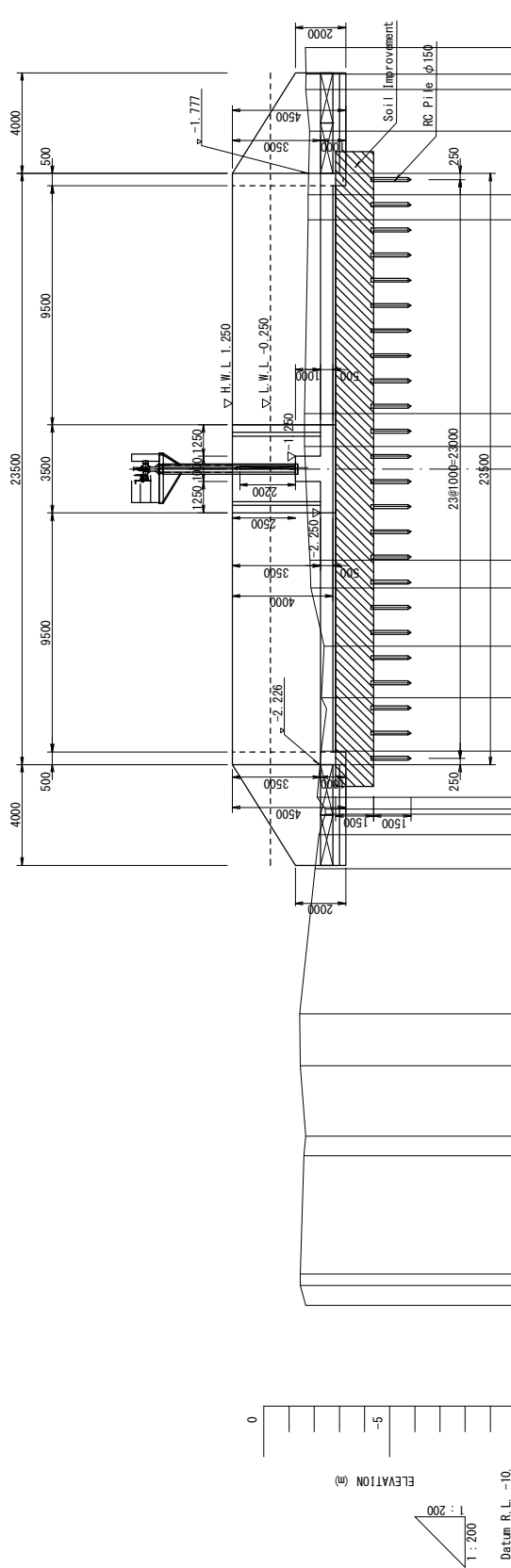
"Pan Pyo Lat "  
Pre School

 THE REPUBLIC OF THE UNION OF MYANMAR  AYEAWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY 		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Pa Mun Chaung Village	SHEET CONTENTS GATE 1 (1) LAYOUT PLAN	SCALE	S=1:200
	YACHIYO ENGINEERING CO., LTD. 		NIPPON KOEI CO., LTD. 		GATE 1		DATE	DEC 2018

# GATE 1 (2)

H=1:200 V=1:200

## LONGITUDINAL PLAN



Design Level	Existing River Bed Elevation	Accumulated Distance	Distance	Station No
-1.64	-1.68	50.00		0.00
-1.67	-1.67	48.33	1.66	0.00
-1.81	-1.81	46.67	2.52	1.05
-1.76	-1.76	44.15	0.99	43.16
-1.76	-1.76	43.16	7.72	43.16
-1.62	-1.62	35.44	1.30	35.44
-1.62	-1.62	34.14	3.32	34.14
-1.77	-1.77	30.82	1.19	30.82
-1.83	-1.83	29.63	1.10	29.63
-1.87	-1.87	28.53	2.32	28.53
-2.39	-2.39	26.21	2.06	26.21
-2.29	-2.29	24.16	0.44	24.16
-2.50	-2.50	23.72	1.69	23.72
-2.27	-2.27	22.03	1.82	22.03
-2.12	-2.12	20.21	0.47	20.21
-2.44	-2.44	19.74	0.81	19.74
-2.19	-2.19	18.72	1.35	18.72
-2.03	-2.03	17.37	5.76	17.37
-1.43	-1.43	11.61	2.07	11.61
-1.44	-1.44	9.54	2.82	9.54
-1.67	-1.67	6.72	0.77	6.72
-1.59	-1.59	5.95	4.69	5.95
-1.44	-1.44	1.26	0.46	1.26
-1.66	-1.66	0.00	0.80	0.00
			0.80	0.80
			1.26	1.26
			0.77	2.03
			4.69	6.72
			2.82	9.54
			2.07	11.61
			5.76	17.37
			1.35	18.72
			0.81	19.74
			0.47	20.21
			1.82	22.03
			1.69	23.72
			0.44	24.16
			2.06	26.21
			2.32	28.53
			1.10	29.63
			1.19	30.82
			3.32	34.14
			1.30	35.44
			7.72	43.16
			0.99	44.15
			2.52	46.67
			1.66	48.33
			0.62	48.95
			1.05	50.00



THE REPUBLIC OF THE UNION OF MYANMAR

AYEAWADY REGION

JICA

YACHYO ENGINEERING CO., LTD.

NIPPON KOEI CO., LTD.

THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS

Pa Mun Chaung Village

GATE 1

SHEET CONTENTS

GATE 1(2)

LONGITUDINAL PLAN

SCALE: S=1:200

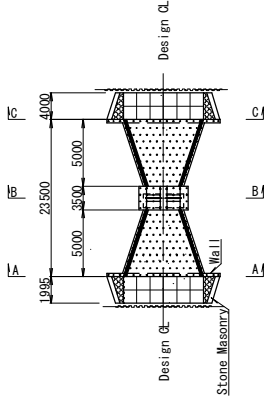
DATE: DEC 2018

PAGE NO.: 106 / 129

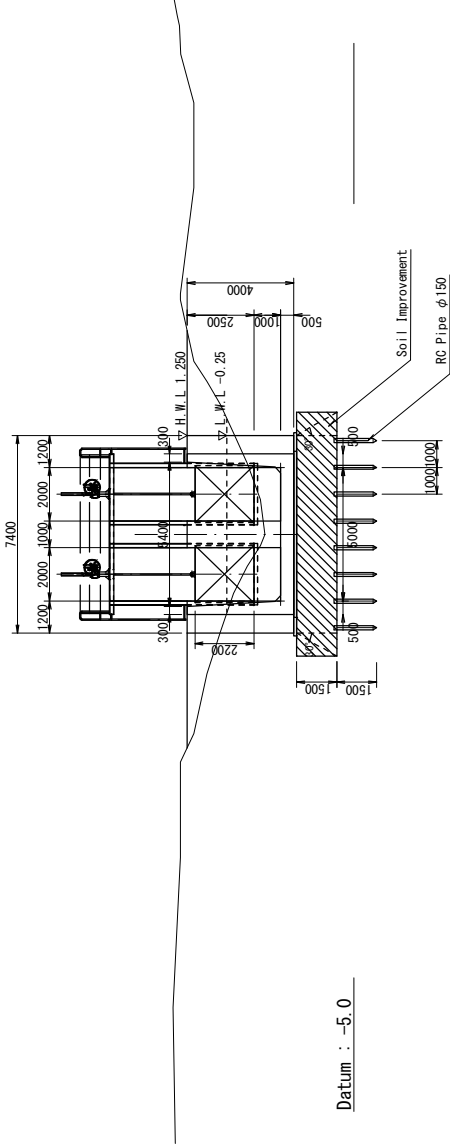
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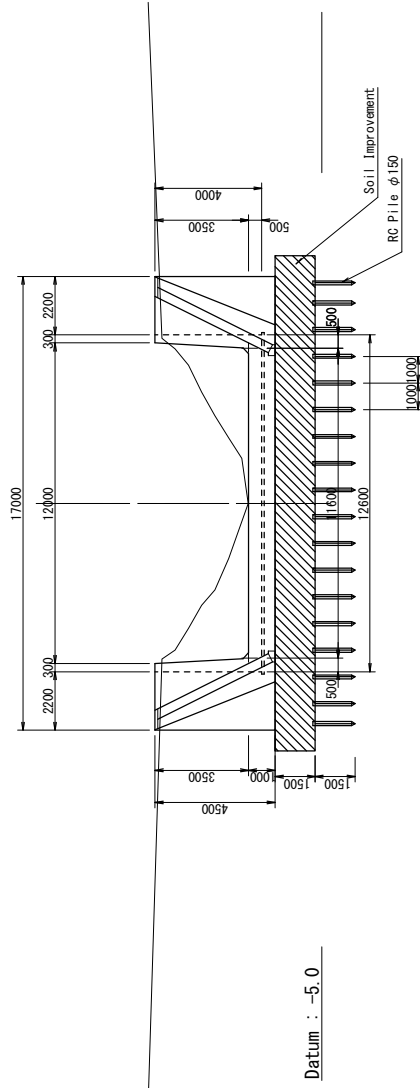
# LAYOUT PLAN



## GATE 33.25 SECTION B-B



## GATE 21.50 SECTION A-A

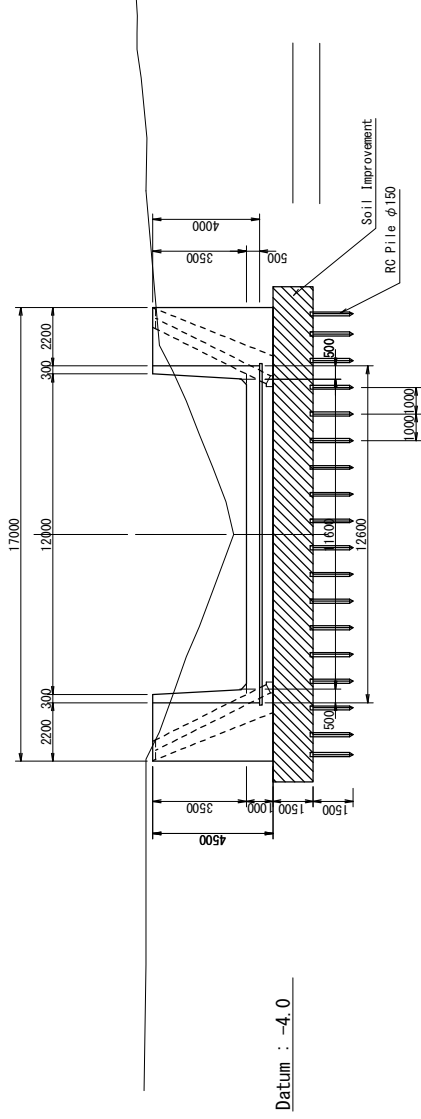


 THE REPUBLIC OF THE UNION OF MYANMAR  AYEYAWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY  YACHIYO ENGINEERING CO., LTD.  NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Pa Mun Chaung Village  GATE 1	SHEET CONTENTS GATE 1(3) CROSS SECTION 1	SCALE S=1:200	DATE DEC 2018	PAGE NO. 107 / 129

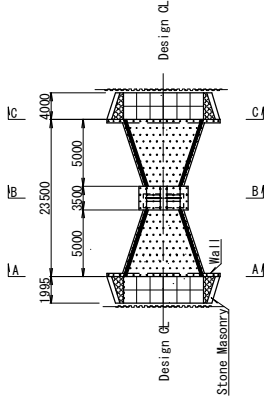
# GATE 1 (4)

S=1:200

## GATE 44.00 SECTION C-C



# LAYOUT PLAN



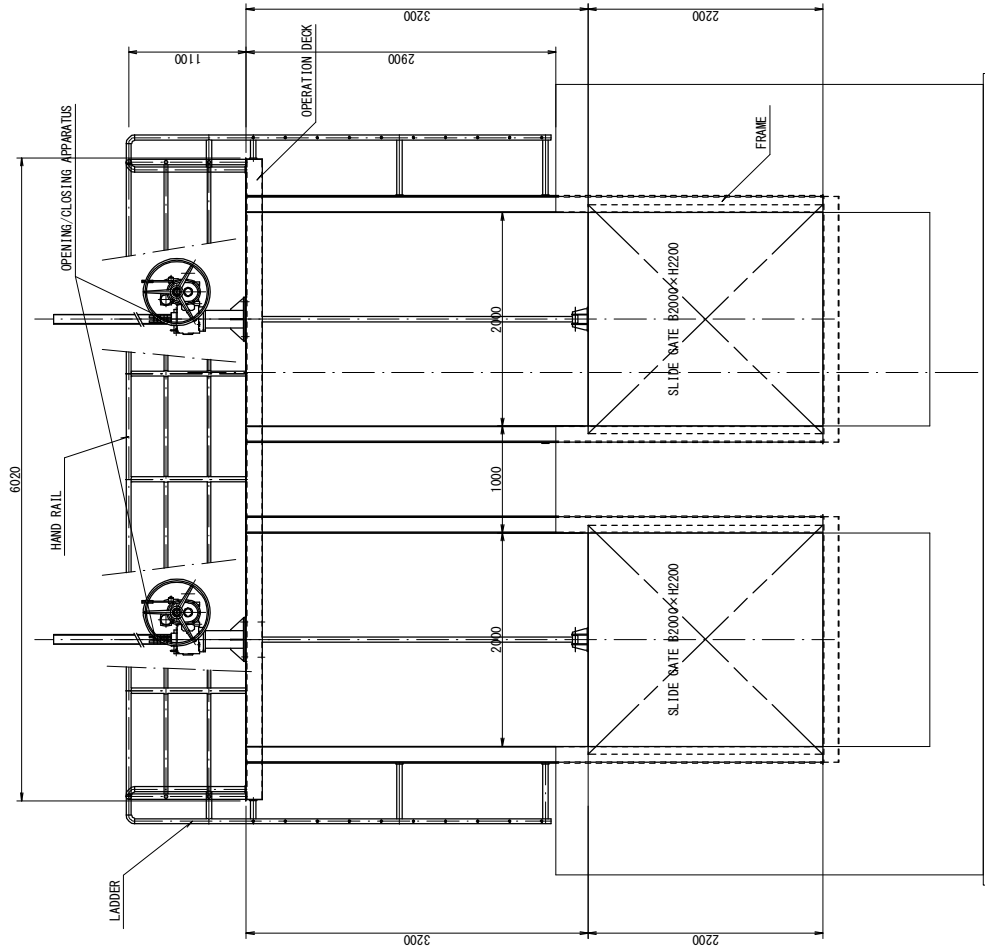
 THE REPUBLIC OF THE UNION OF MYANMAR  AYEYAWADY REGION	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Pa Mun Chaung Village  GATE 1	SHEET CONTENTS	
				GATE 1(4) CROSS SECTION 2	
			SCALE	S=1:200	
			DATE	DEC 2018	
			PAGE NO.	108 / 129	

# GATE 1 (5)

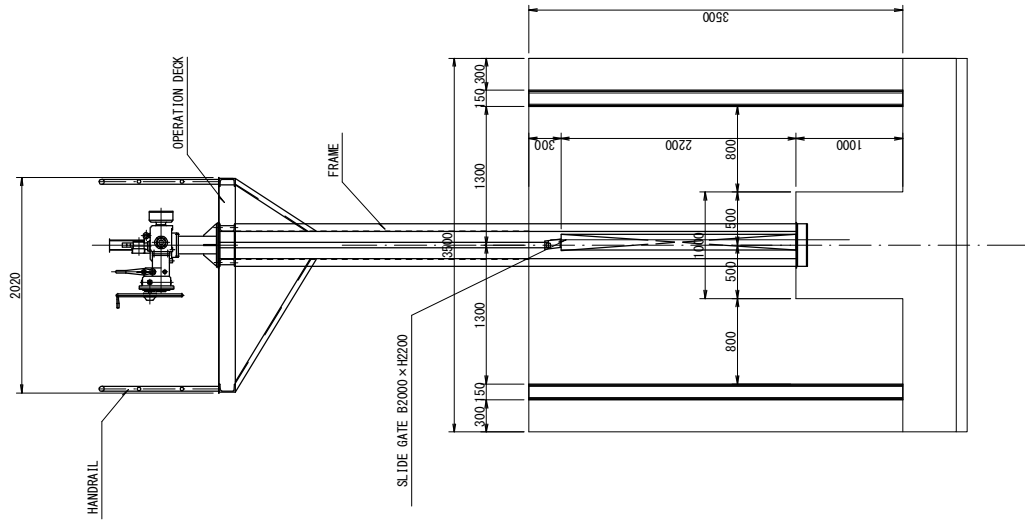
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## SLIDE GATE

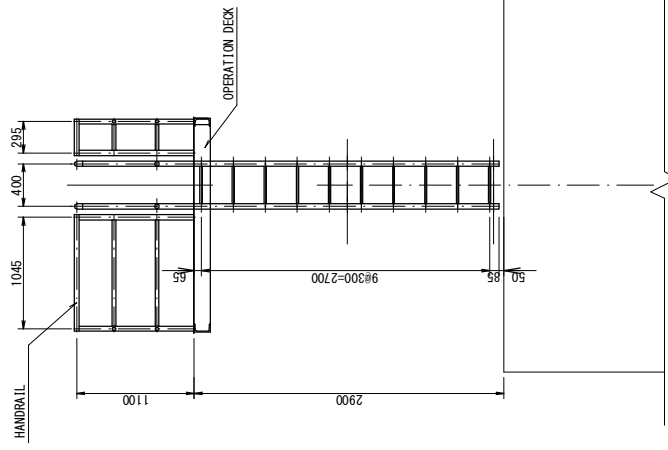
FRONT VIEW



SIDE VIEW



LADDER

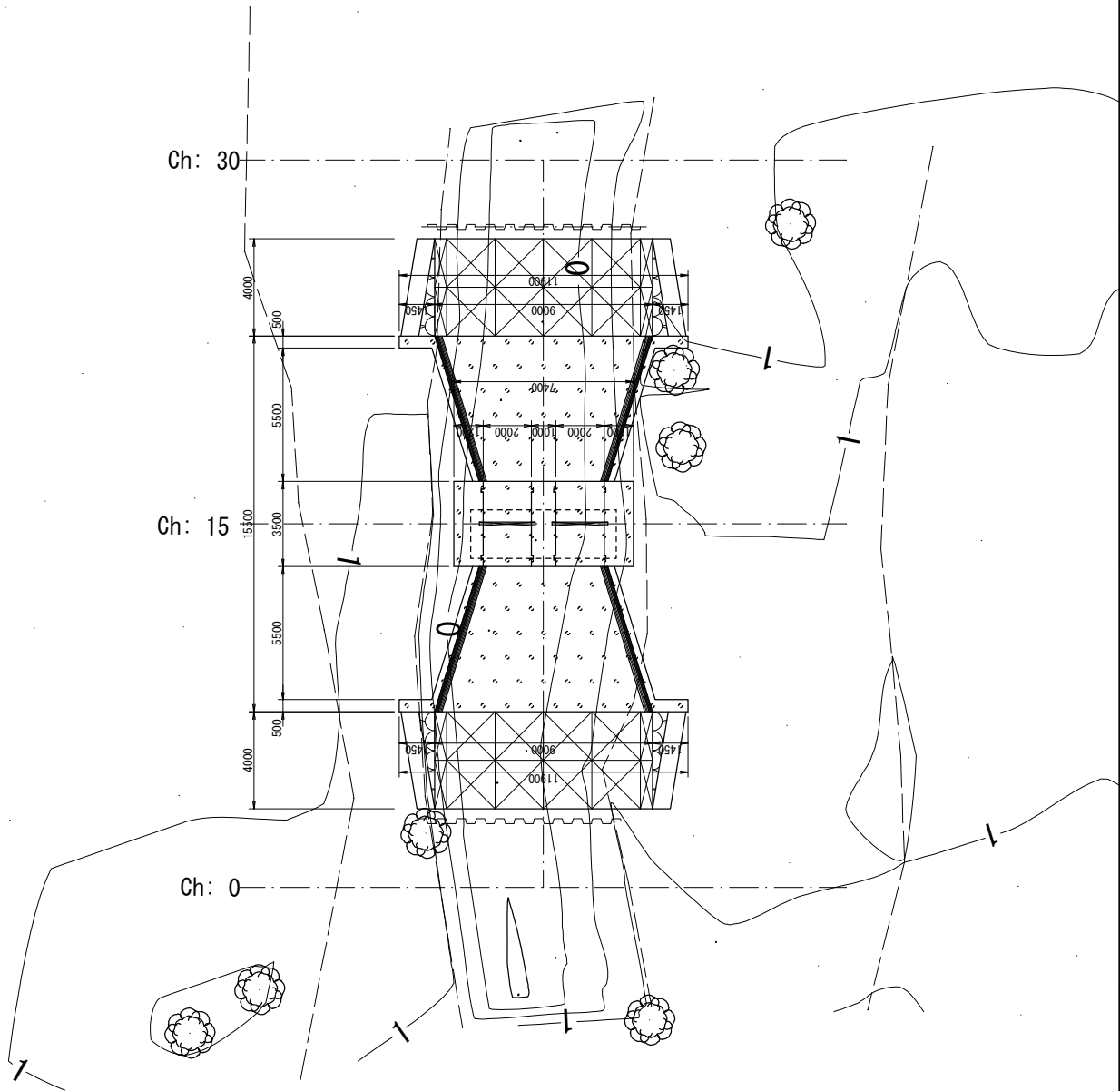


 THE REPUBLIC OF THE UNION OF MYANMAR AYEYAWADY REGION	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Pa Mun Chaung Village	SHEET CONTENTS GATE 1(5) SLIDE GATE		SCALE	S=1:50
		GATE 1		DATE	DEC 2018	PAGE NO.	109 / 129	

# GATE 2 (1)

S=1:200

## LAYOUT PLAN



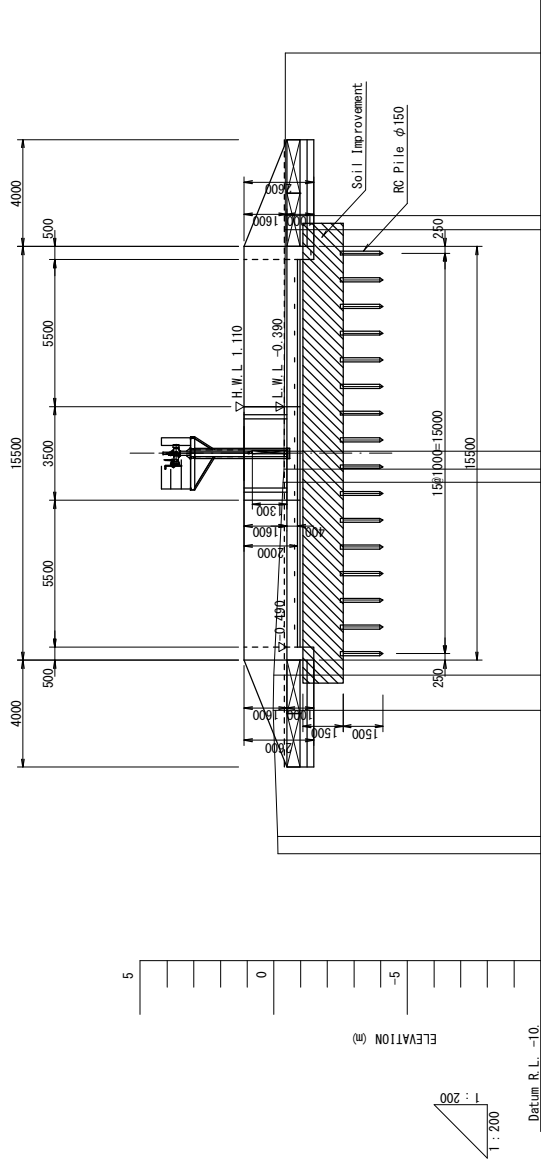
THE REPUBLIC OF THE UNION OF MYANMAR AYEYAWADY REGION	<p>JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.</p>	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Pa Mun Chaung Village GATE 2	SHEET CONTENTS		
				GATE 2 (1) LAYOUT PLAN	SCALE DATE PAGE NO.	
				S=1:200	DEC 2018	110 / 129



# GATE 2 (2)

H=1:200 V=1:200

## LONGITUDINAL PLAN



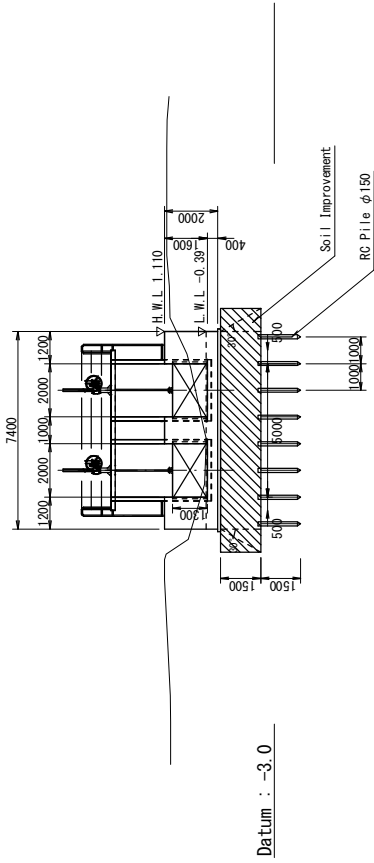
Design Level	-0.43	-0.43	-0.43	-0.43	-0.43	-0.43	-0.43
Existing River Bed Elevation	30.00	23.89	23.40	23.38	23.38	23.38	23.38
Accumulated Distance	6.11	0.49	8.31	15.07	14.41	13.92	13.92
Distance	30.00	6.69	1.32	6.69	5.37	4.73	5.37
Station No	0.00	0.64	0.00	6.69	12.06	16.79	21.46

 THE REPUBLIC OF THE UNION OF MYANMAR	AYEAWADY REGION	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Pa Mun Chaung Village  GATE 2	SCALE	S=1:200
					DATE	DEC 2018
SHEET CONTENTS					GATE 2(2)	PAGE NO.
					LONGITUDINAL PLAN	111 / 129

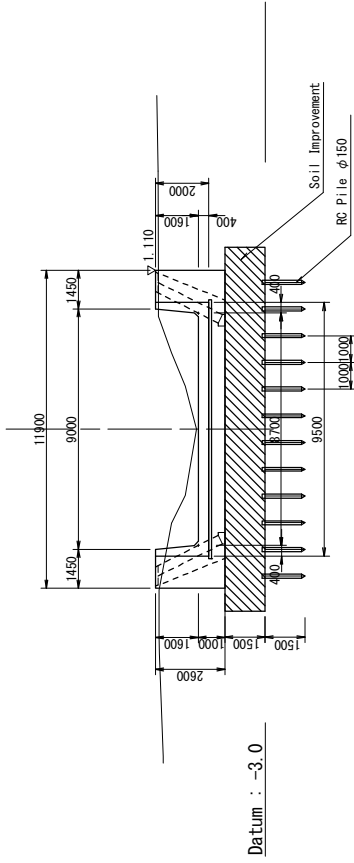
# GATE 2 (3)

H=1:200 V=1:200  
CROSS SECTION

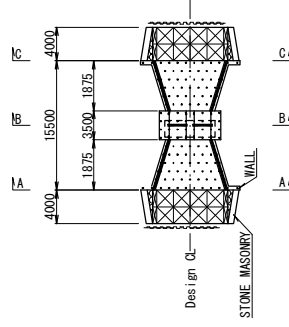
## GATE 15.00 SECTION B-B



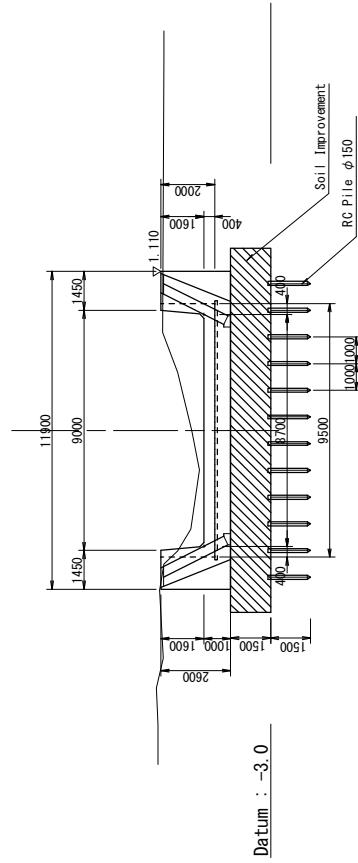
## GATE 22.75 SECTION C-C



## LAYOUT PLAN



## GATE 7.25 SECTION A-A

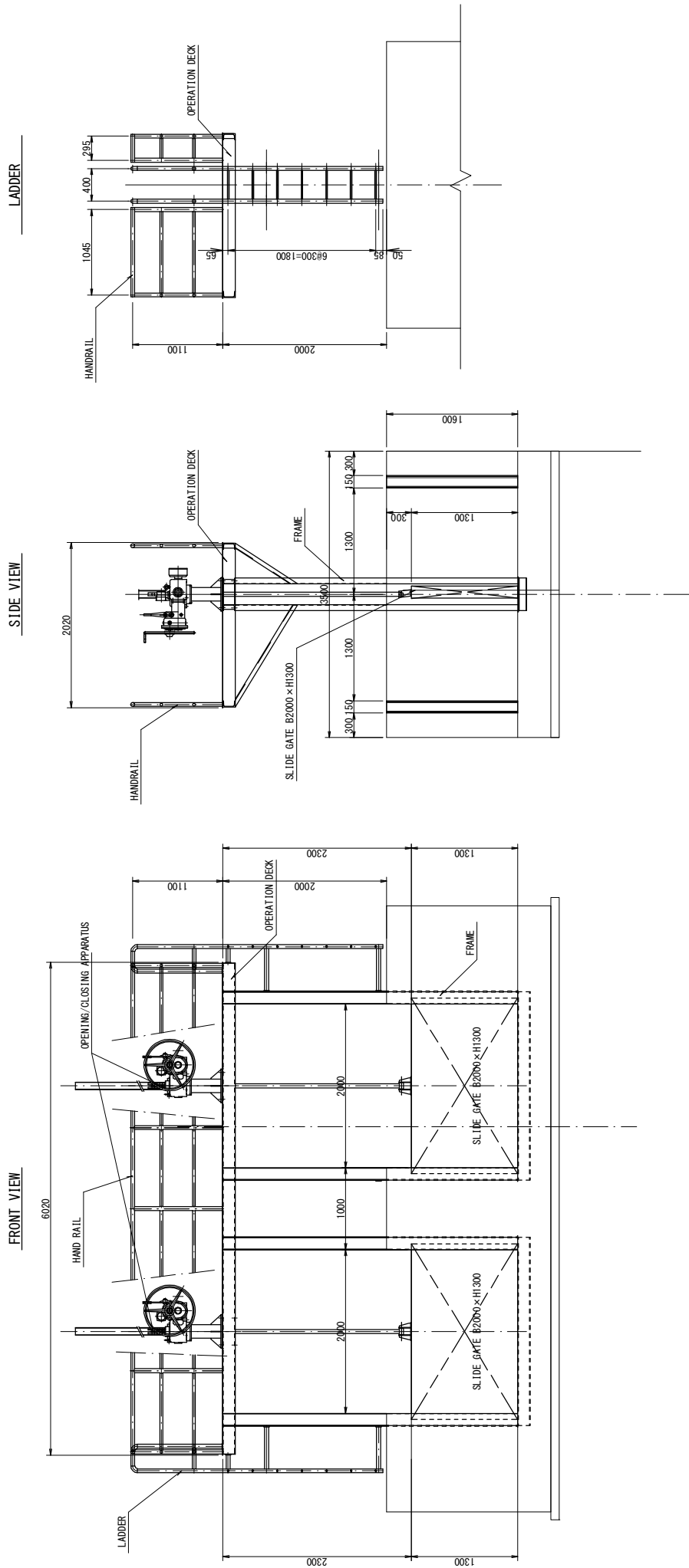


 THE REPUBLIC OF THE UNION OF MYANMAR  AYEAWADY REGION	JICA YCO NIPPON KOEI CO., LTD.	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Pa Mun Chaung Village  GATE 2	SHEET CONTENTS  GATE 2(3) CROSS SECTION	SCALE S=1:200	DATE DEC 2018	PAGE NO. 112 / 129

# GATE 2 (4)

S=1:50

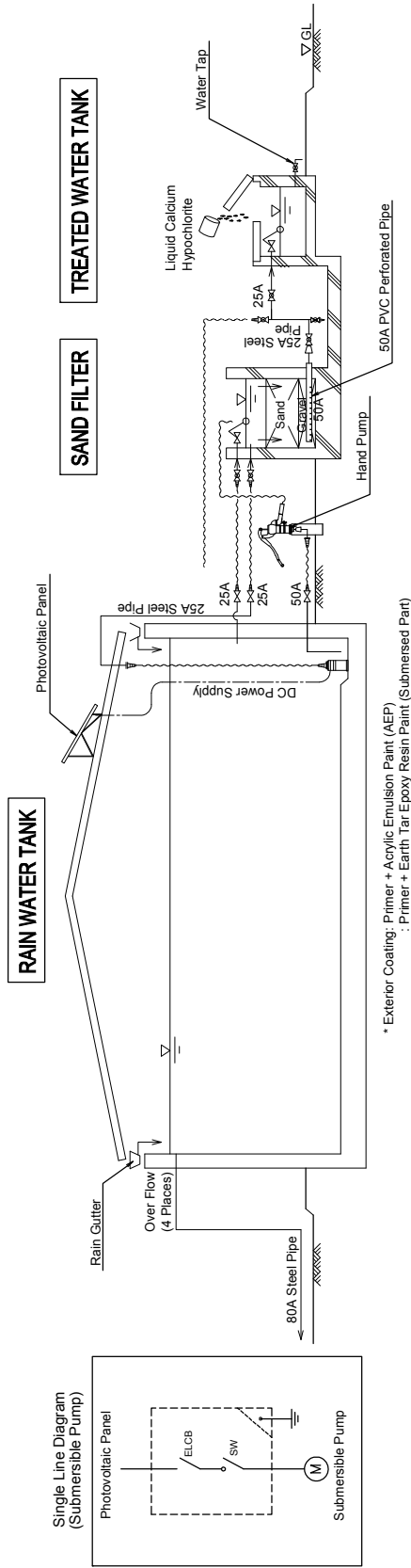
## SLIDE GATE



A8-226

 THE REPUBLIC OF THE UNION OF MYANMAR AYEYAWADY REGION	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Pa Mun Chaung Village GATE 2		SHEET CONTENTS GATE 2 (4) SLIDE GATE		SCALE	S=1:50	
									DATE	DEC 2018	
										PAGE NO.	113 / 129

# RAIN WATER COLLECTION SYSTEM FLOW DIAGRAM



\* Exterior Coating: Primer + Acrylic Emulsion Paint (AEP)  
 ; Primer + Earth Tar Epoxy Resin Paint (Submersed Part)

Facility Specification (Type-1)

NO.	Rain Water Tank Capacity	Sand Filter Filtration Area	Treated Water Tank Effective Capacity
	40,000Gallon (180m <sup>3</sup> )	1.5m <sup>2</sup> (1.5mWx1.0mL)	220Gallon (1.00m <sup>3</sup> )
Structure	RC Structure	RC Structure	RC Structure
Dimension *1	11.2mWx6.0mLx3.0mH	1.5mWx1.0mLx1.0mH	2.3mWx1.0mLx0.6mH
Qty	2	2	2
Remarks	—	Sand: 1Layer Gravel: 2Layers	with 5 Water Taps

Facility Specification (Type-2)

NO.	Rain Water Tank Capacity	Sand Filter Filtration Area	Treated Water Tank Effective Capacity
	100,000Gallon (450m <sup>3</sup> )	1.5m <sup>2</sup> (1.5mWx1.0mL)	550Gallon (2.5m <sup>3</sup> )
Structure	RC Structure	RC Structure	RC Structure
Dimension *1	17.2mWx9.7mLx3.0mH	1.5mWx1.0mLx1.0mH	5.6mWx1.0mLx0.6mH
Qty	3	3	3
Remarks	—	Sand: 1Layer Gravel: 2Layers	with 11 Water Taps

Facility Specification (Type-3)

NO.	Rain Water Tank Capacity	Sand Filter Filtration Area	Treated Water Tank Effective Capacity
	100,000Gallon (450m <sup>3</sup> )	1.5m <sup>2</sup> (1.5mWx1.0mL)	550Gallon (2.5m <sup>3</sup> )
Structure	RC Structure	RC Structure	RC Structure
Dimension *1	15.2mWx11.0mLx3.0mH	1.5mWx1.0mLx1.0mH	5.6mWx1.0mLx0.6mH
Qty	7	7	7
Remarks	—	Sand: 1Layer Gravel: 2Layers	with 11 Water Taps

Facility Specification (Type-4)

NO.	Rain Water Tank Capacity	Sand Filter Filtration Area	Treated Water Tank Effective Capacity
	130,000Gallon (585m <sup>3</sup> )	1.5m <sup>2</sup> (1.5mWx1.0mL)	720Gallon (3.25m <sup>3</sup> )
Structure	RC Structure	RC Structure	RC Structure
Dimension *1	17.2mWx12.6mLx3.0mH	1.5mWx1.0mLx1.0mH	7.3mWx1.0mLx0.6mH
Qty	6	6	6
Remarks	—	Sand: 1Layer Gravel: 2Layers	with 13 Water Taps

Chlorine Dosing (Type-1)

Dosing Rate (mg/l)	Dosing Volume (ml)
0.2	20

Treated Water Tank Capacity : 1.00m<sup>3</sup>  
 Effective Chlorine Concentration : 1%

Chlorine Dosing (Type-2 and Type-3)

Dosing Rate (mg/l)	Dosing Volume (ml)
0.2	50

Treated Water Tank Capacity : 2.5m<sup>3</sup>  
 Effective Chlorine Concentration : 1%

Chlorine Dosing (Type-4)

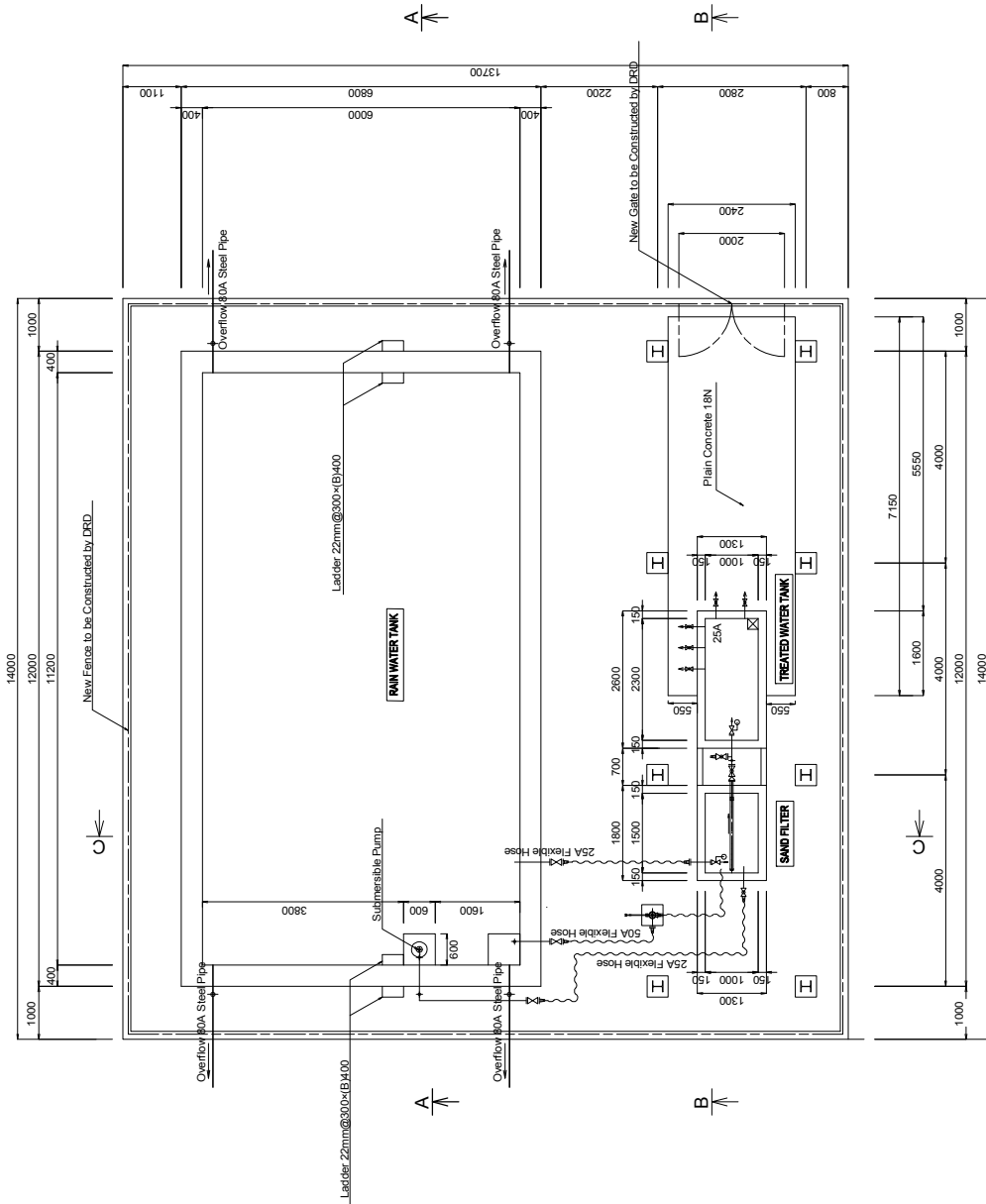
Dosing Rate (mg/l)	Dosing Volume (ml)
0.2	65

Treated Water Tank Capacity : 3.25m<sup>3</sup>  
 Effective Chlorine Concentration : 1%

LEGEND

SYMBOL	NAME
—X—	Sluice Valve
—B—	Ball Valve
—T—	Water Tap
—F—	Float Valve
—H—	Flexible Hose
—J—	Hose Joint

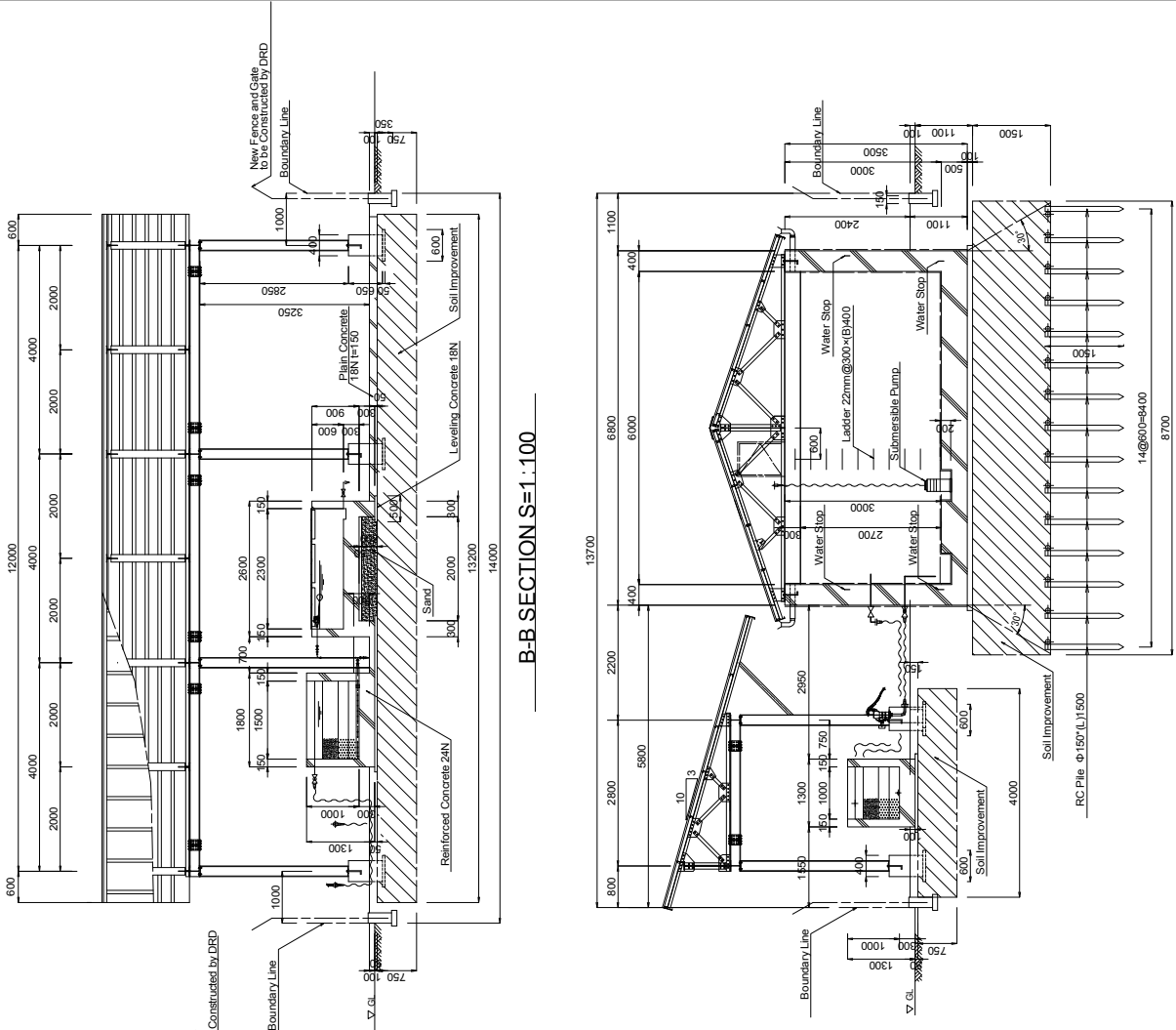
# GENERAL LAYOUT AND PLAN OF WATER SUPPLY FACILITY (TYPE-1: 40,000 GALLON / 180m3)



PLAN S=1:100

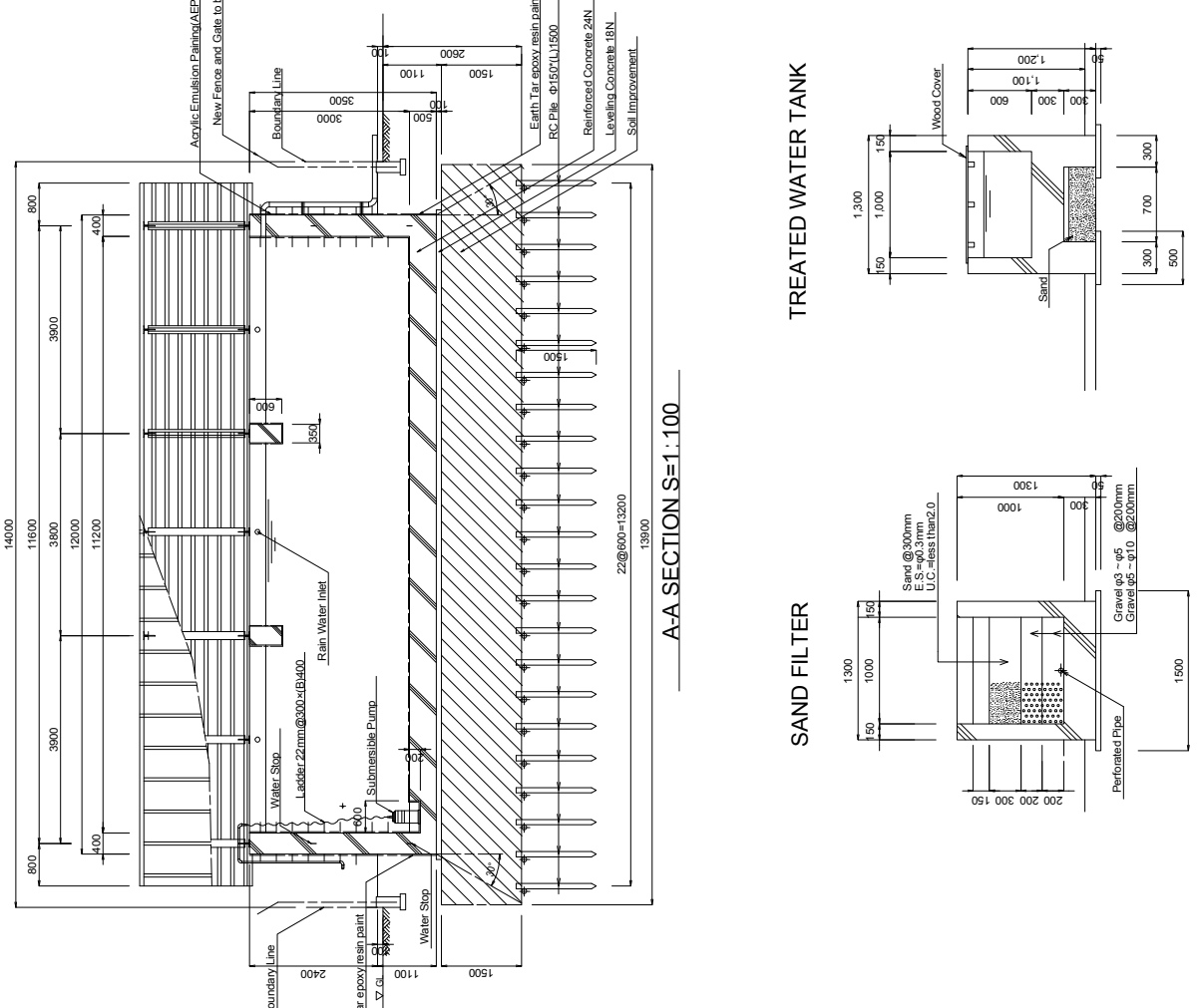
 THE REPUBLIC OF THE UNION OF MYANMAR  AYEYARWADY REGION	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		AYEYARWADY REGION  WATER SUPPLY FACILITY	SHEET CONTENTS GENERAL LAYOUT AND PLAN OF WATER SUPPLY FACILITY (TYPE-1: 40,000 GALLON)		SCALE DATE PAGE NO.	As Shown DEC 2018 115 / 129

# SECTION (1) OF WATER SUPPLY FACILITY (TYPE-1: 40,000 GALLON / 180m3)



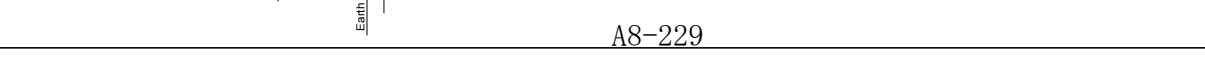
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C-C SECTION S=1:100



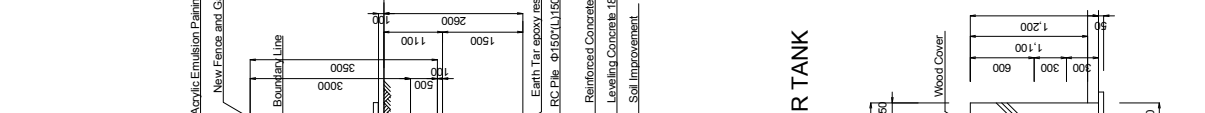
A-A SECTION S=1:100

SECTION S=1:50



SAND FILTER

SECTION S=1:50

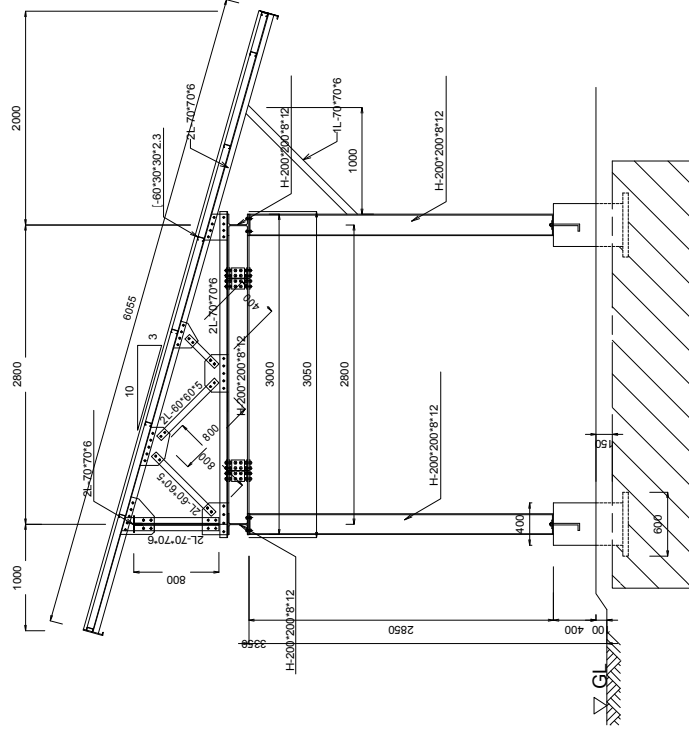


TREATED WATER TANK

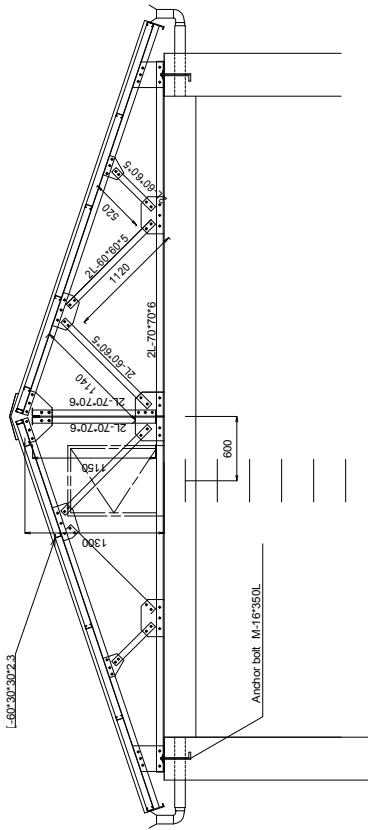
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THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR	SHEET CONTENTS		SCALE	As Shown
		RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	AYEYARWADY REGION	SECTION (1) OF WATER SUPPLY FACILITY (TYPE-1: 40,000 GALLON)		DATE
		WATER SUPPLY FACILITY			PAGE NO.	116 / 129

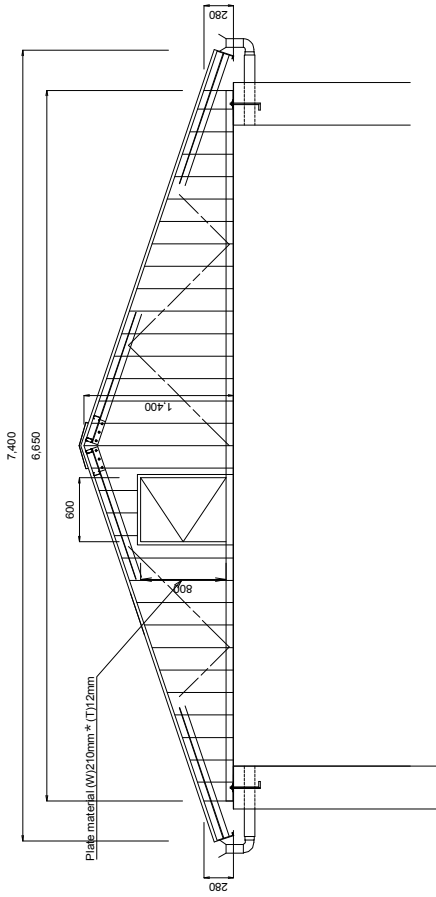
SECTION (2) OF WATER SUPPLY FACILITY (TYPE-1: 40,000 GALLON / 180m3)



ROOF SECTION S=1:50

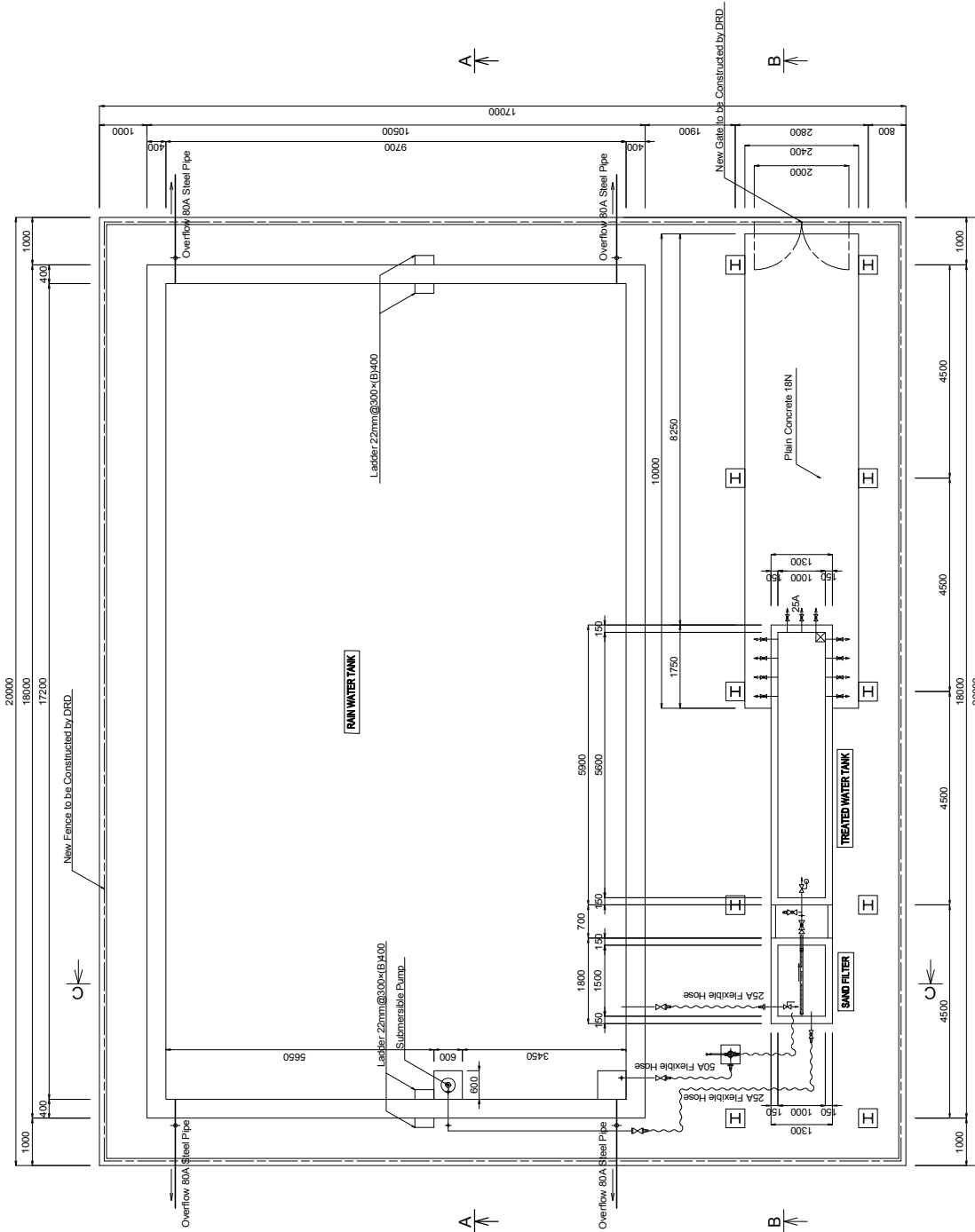


ROOF SECTION S=1:50



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		AYEYARWADY REGION WATER SUPPLY FACILITY		DATE		DEC 2018	PAGE NO.	117 / 129

# GENERAL LAYOUT AND PLAN OF WATER SUPPLY FACILITY (TYPE-2: 100,000 GALLON / 450m3)

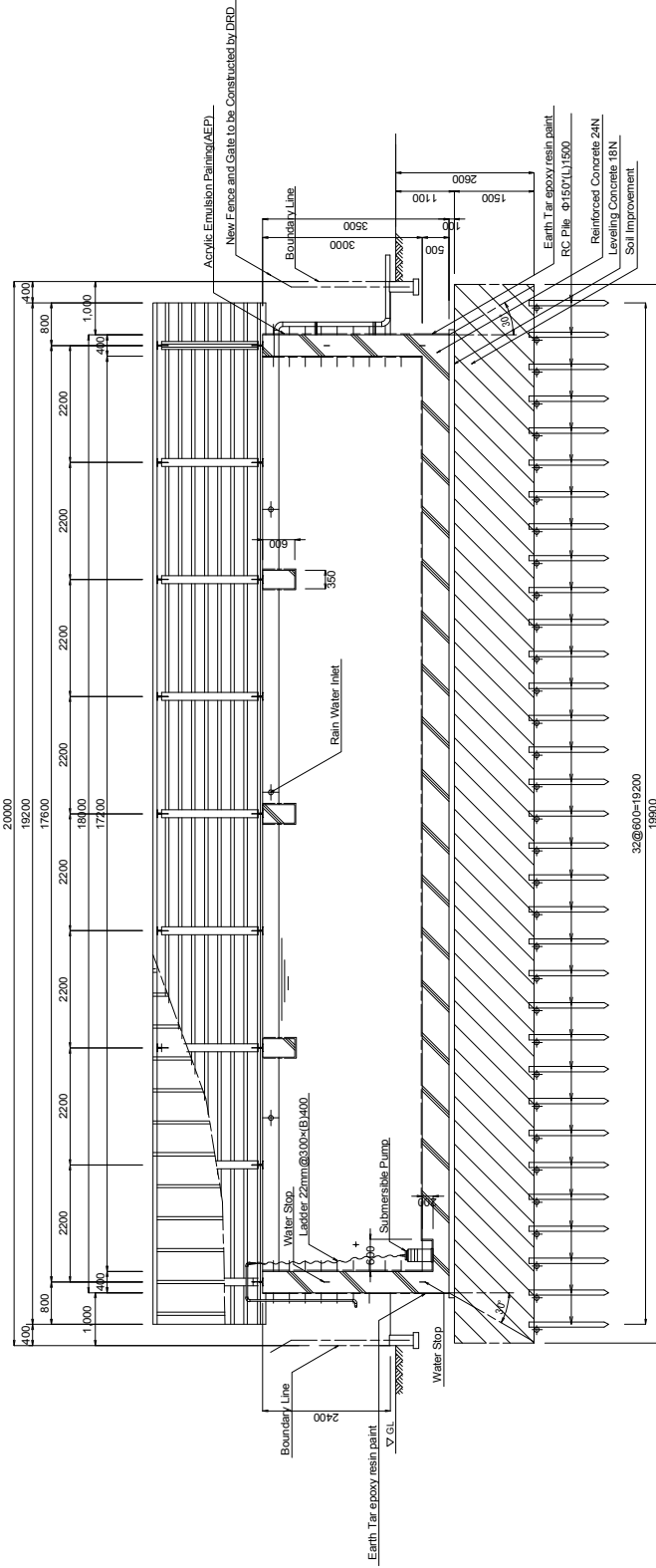


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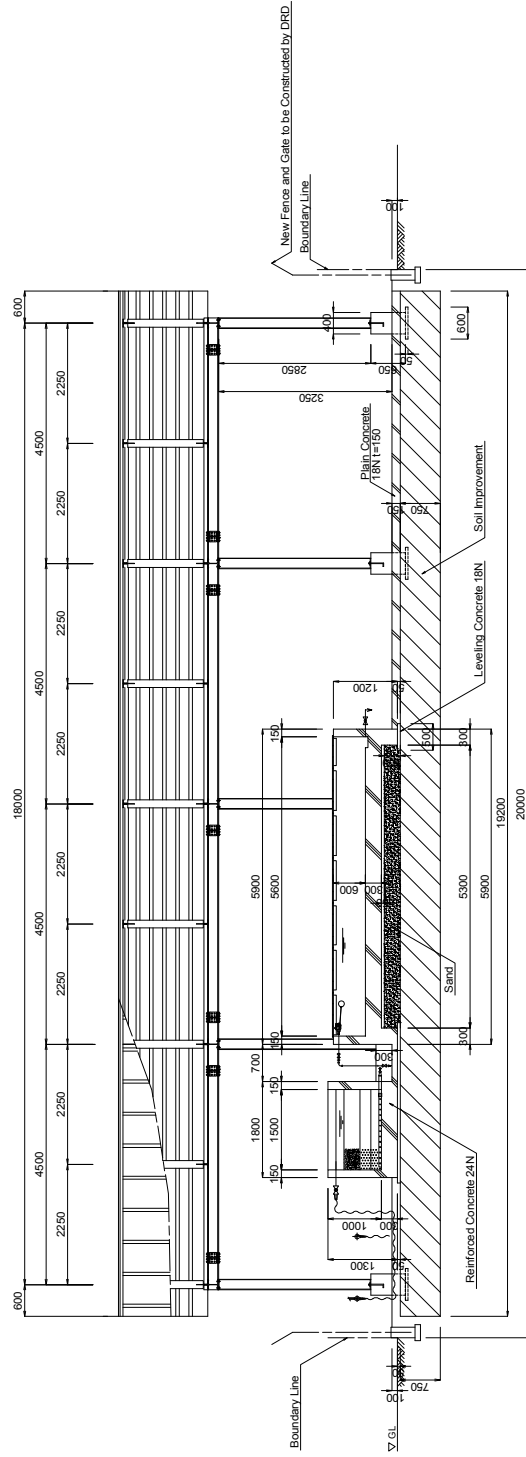
 THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	AYEYARWADY REGION WATER SUPPLY FACILITY	SHEET CONTENTS	
				GENERAL LAYOUT AND PLAN OF WATER SUPPLY FACILITY (TYPE-2: 100,000 GALLON)	
		SCALE	As Shown		
		DATE	DEC 2018		
		PAGE NO.	118 / 129		



# SECTION (1) OF WATER SUPPLY FACILITY (TYPE-2: 100,000 GALLON / 450m<sup>3</sup>)



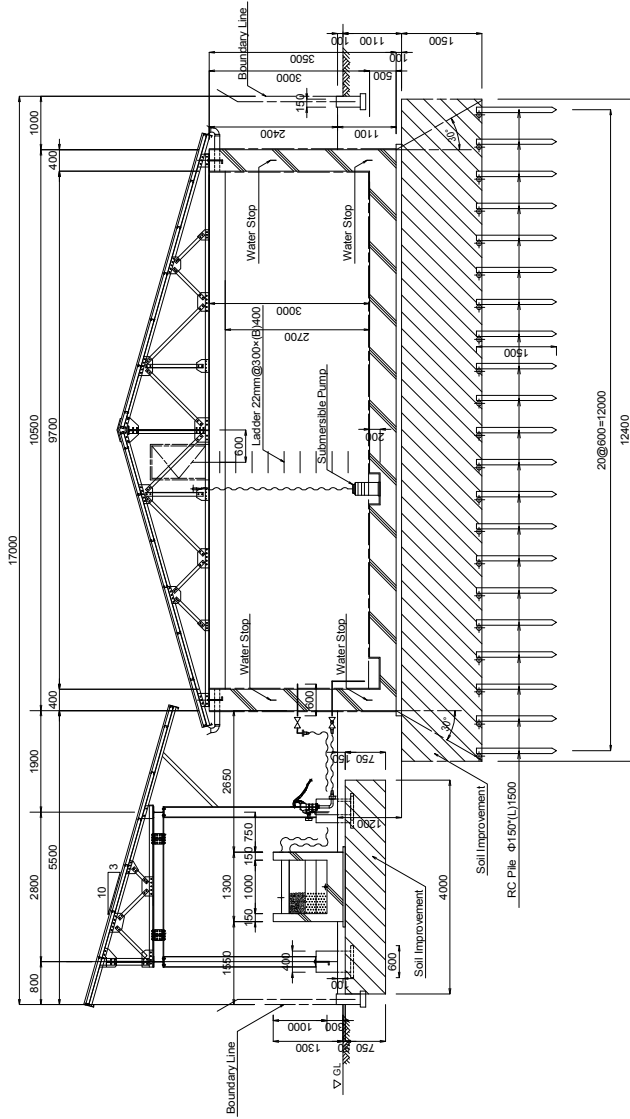
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B-B SECTION S=1:100

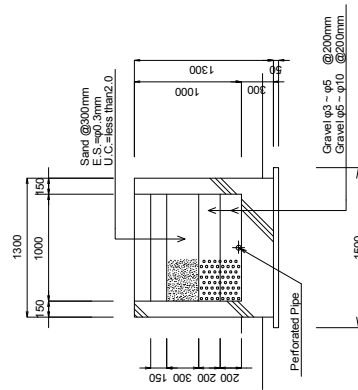
 THE REPUBLIC OF THE UNION OF MYANMAR  AYEYARWADY REGION	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	AYEYARWADY REGION  WATER SUPPLY FACILITY	SHEET CONTENTS SECTION (1) OF WATER SUPPLY FACILITY (TYPE-2: 100,000 GALLON)		SCALE As Shown
			DATE DEC 2018	PAGE NO. 119 / 129		

# SECTION (2) OF WATER SUPPLY FACILITY (TYPE-2: 100,000 GALLON/ 450m3)



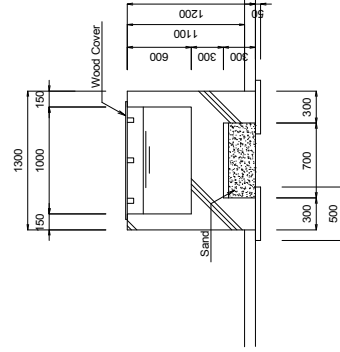
C-C SECTION S=1:100

## SAND FILTER



SECTION S=1:50

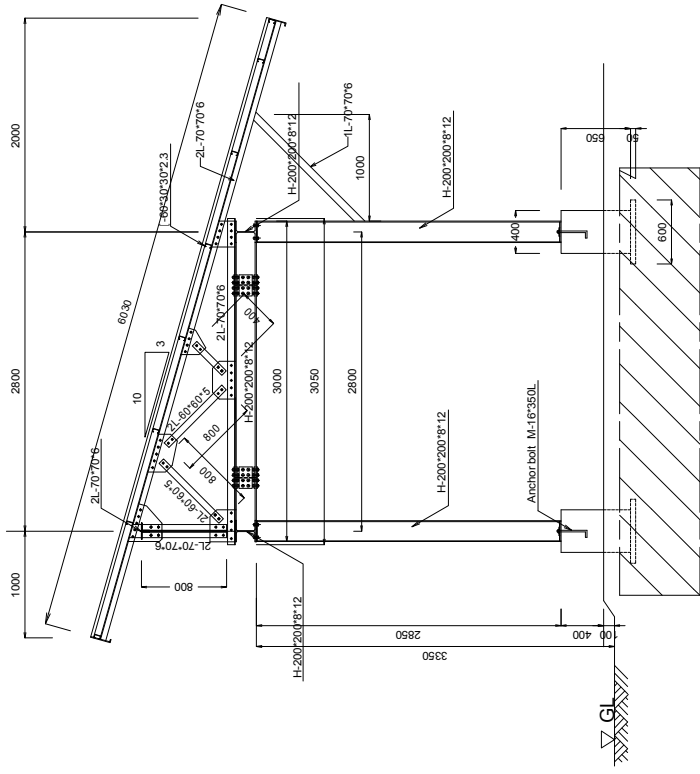
## TREATED WATER TANK



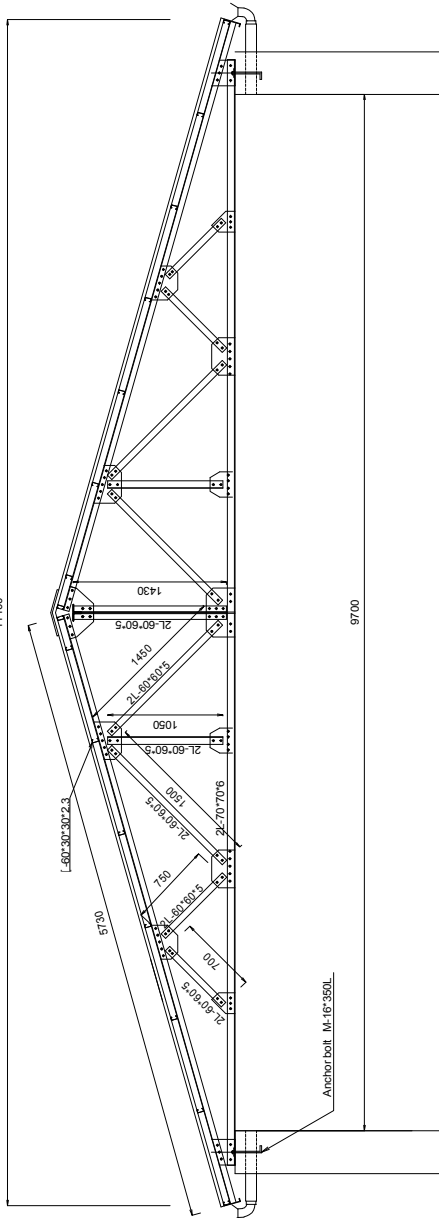
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 THE REPUBLIC OF THE UNION OF MYANMAR  AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY  YACHIYO ENGINEERING CO., LTD.  NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	AYEYARWADY REGION	SHEET CONTENTS		SCALE	As Shown
		WATER SUPPLY FACILITY	SECTION (2) OF WATER SUPPLY FACILITY (TYPE-2: 100,000 GALLON)	DATE	DEC 2018	PAGE NO.	120 / 129

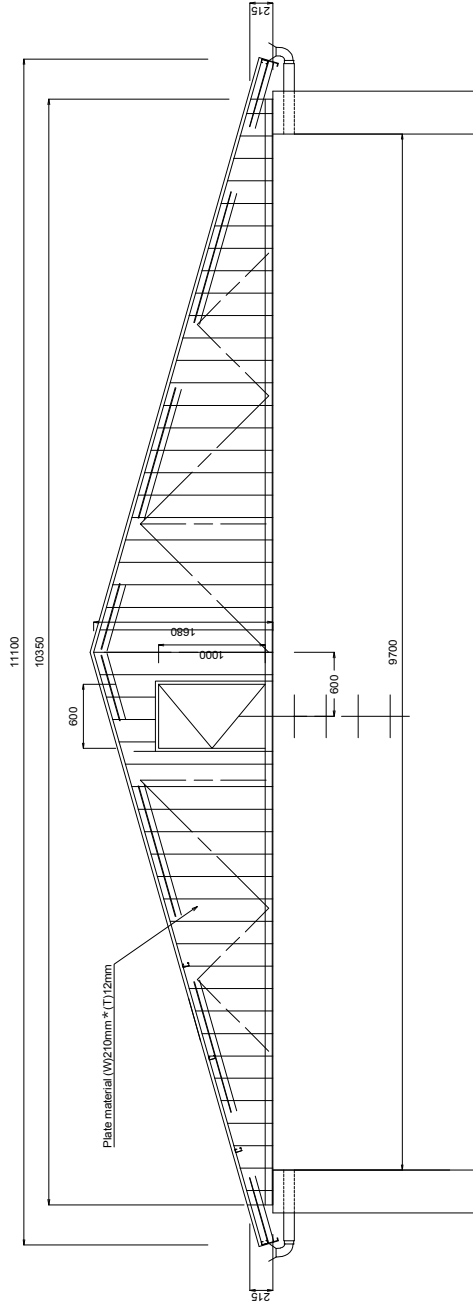
# SECTION (3) OF WATER SUPPLY FACILITY (TYPE-2: 100,000 GALLON/ 450m3)



ROOF SECTION S=1:50



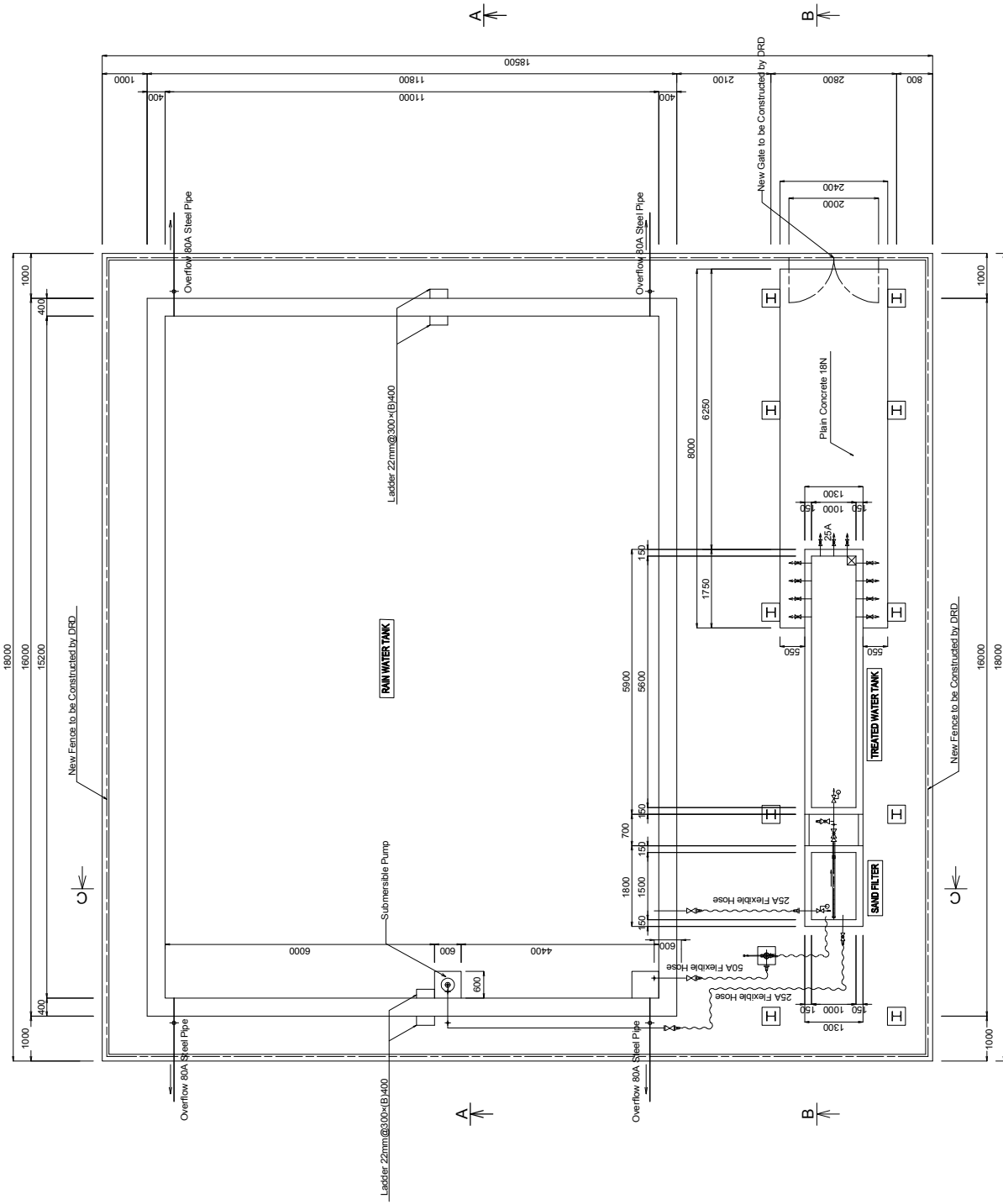
ROOF SECTION S=1:50



ROOF SECTION S=1:50

THE REPUBLIC OF THE UNION OF MYANMAR  AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY YACHYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	SHEET CONTENTS SECTION (3) OF WATER SUPPLY FACILITY (TYPE-2: 100,000 GALLON)	SCALE	As Shown
			WATER SUPPLY FACILITY	DATE	DEC 2018
			PAGE NO.	121 / 129	

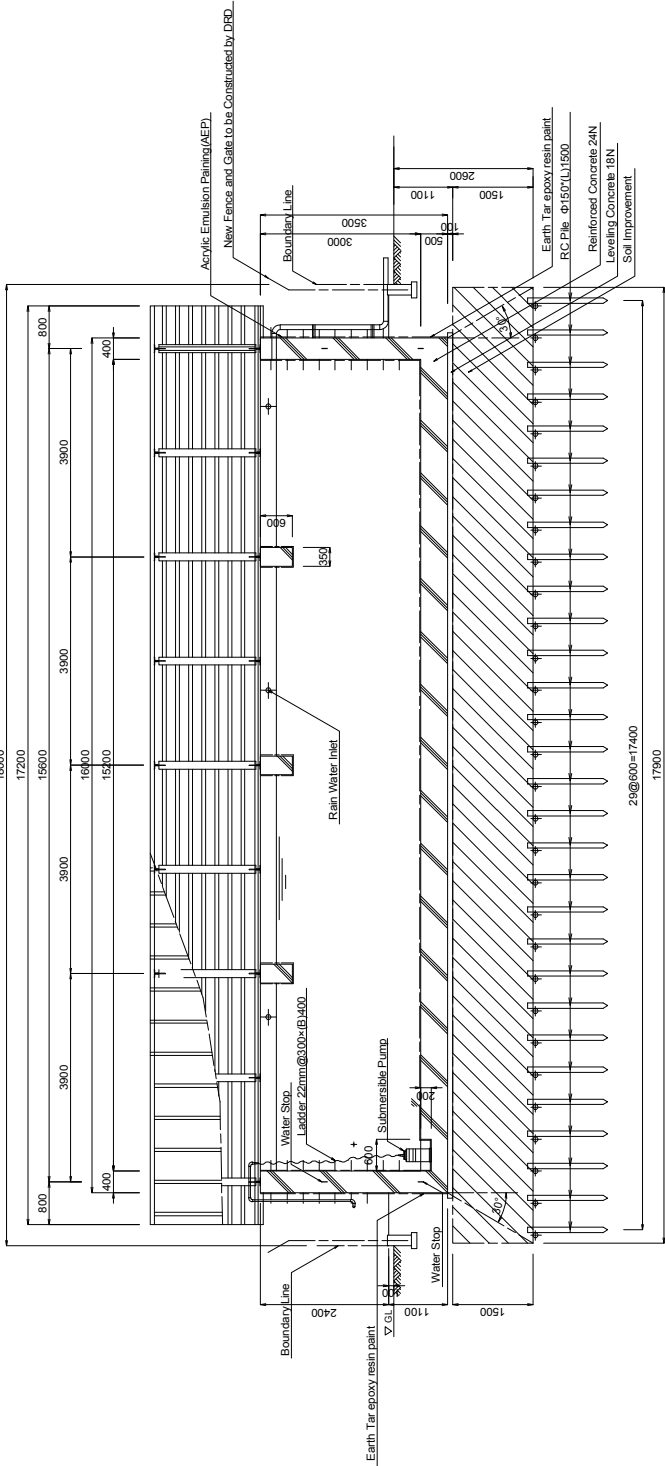
# GENERAL LAYOUT AND PLAN OF WATER SUPPLY FACILITY (TYPE-3: 100,000 GALLON / 450m<sup>3</sup>)



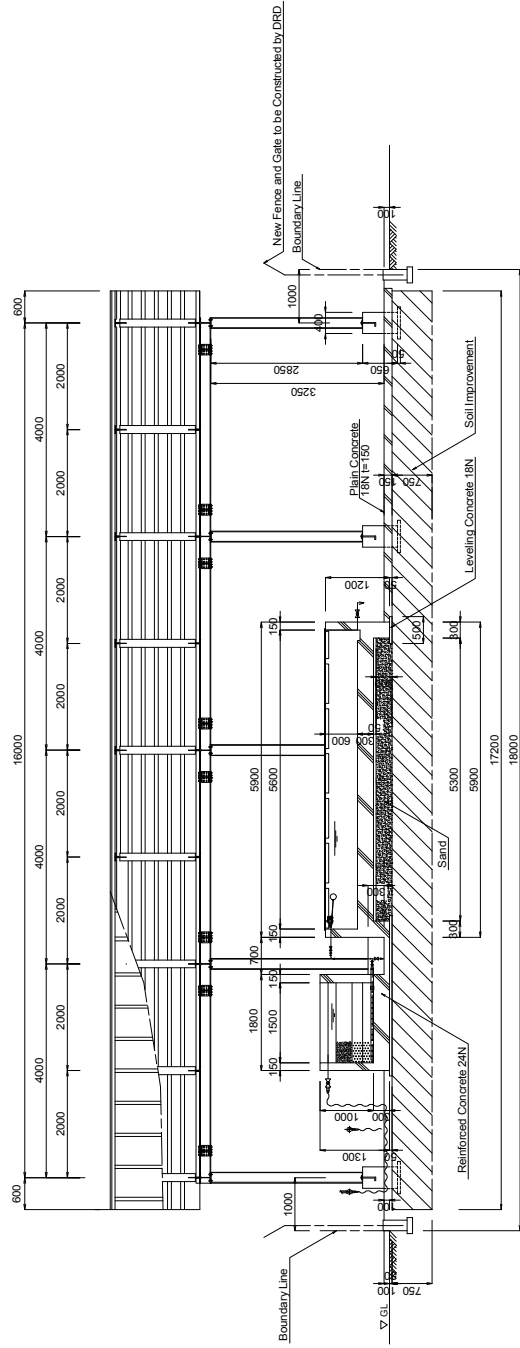
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 THE REPUBLIC OF THE UNION OF MYANMAR  AYEYARWADY REGION	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	AYEYARWADY REGION  WATER SUPPLY FACILITY	SHEET CONTENTS GENERAL LAYOUT AND PLAN OF WATER SUPPLY FACILITY (TYPE-3: 100,000 GALLON)		SCALE As Shown
				DATE DEC 2018	PAGE NO. 122 / 129	

# SECTION (1) OF WATER SUPPLY FACILITY (TYPE-3: 100,000 GALLON / 450m3)



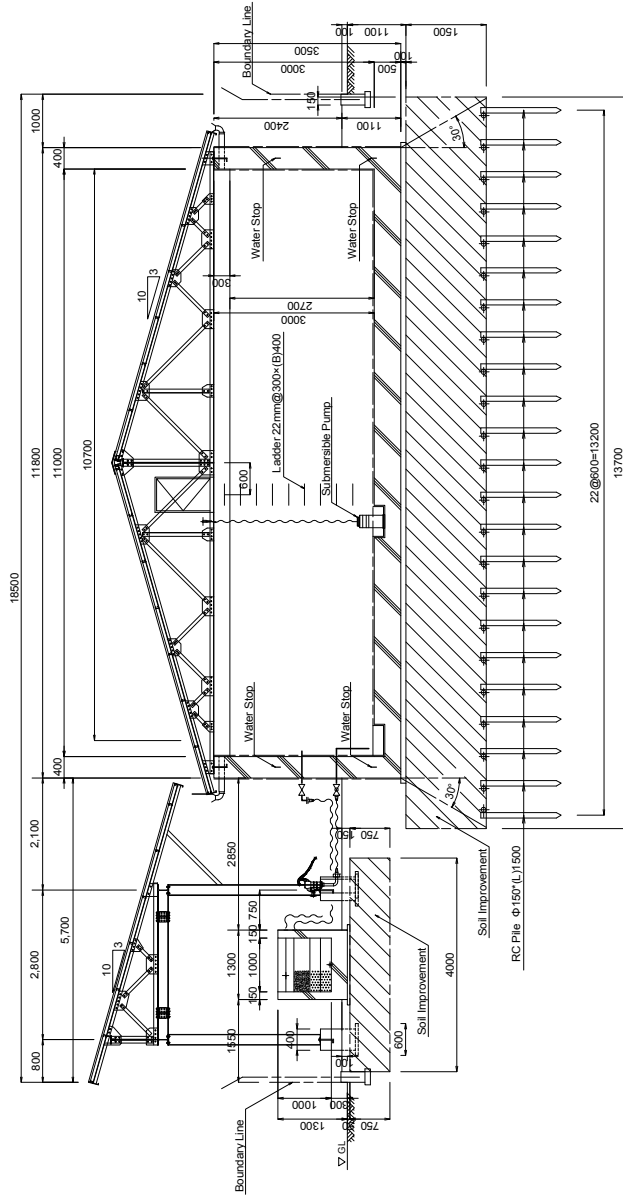
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B-B SECTION S=1:100

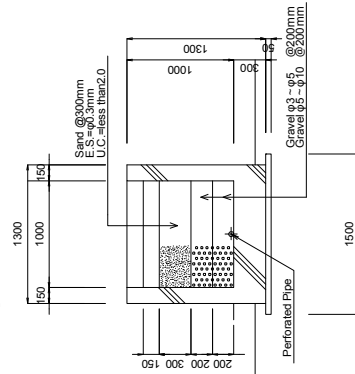
 THE REPUBLIC OF THE UNION OF MYANMAR  AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY  YACHIYO ENGINEERING CO., LTD.  NIPPON KOEI CO., LTD. 	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		AYEYARWADY REGION  WATER SUPPLY FACILITY	SHEET CONTENTS SECTION (1) OF WATER SUPPLY FACILITY (TYPE-3: 100,000 GALLON)	SCALE  DATE	As Shown  DEC 2018
		PAGE NO.		123 / 129			

# SECTION (2) OF WATER SUPPLY FACILITY (TYPE-3: 100,000 GALLON / 450m3)



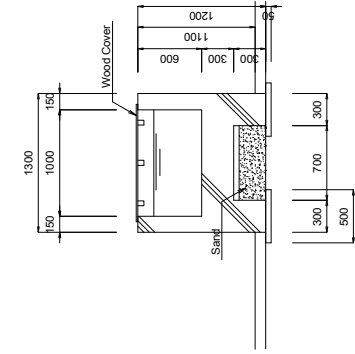
C-C SECTION S=1:100

## SAND FILTER



SECTION S=1:50

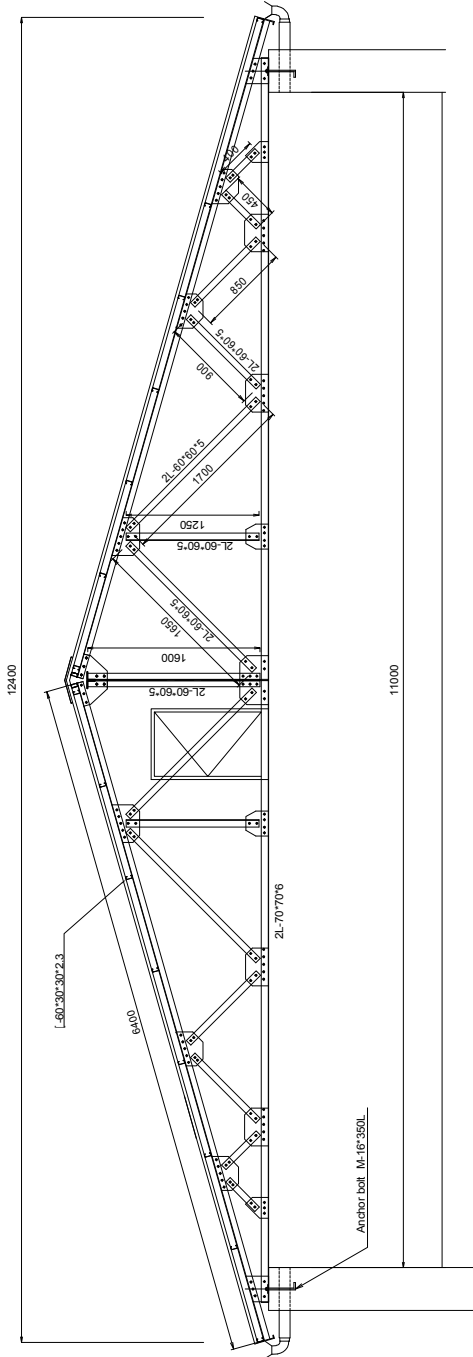
## TREATED WATER TANK



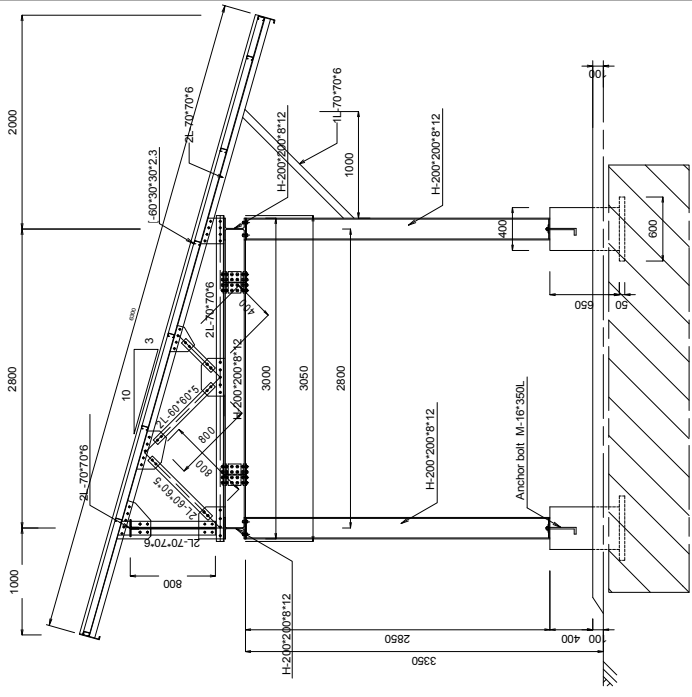
SECTION S=1:50

 THE REPUBLIC OF THE UNION OF MYANMAR  AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY   YACHIYO ENGINEERING CO., LTD.  NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		AYEYARWADY REGION  WATER SUPPLY FACILITY	SHEET CONTENTS  SECTION (2) OF WATER SUPPLY FACILITY (TYPE-3: 100,000 GALLON)	SCALE  DATE  PAGE NO.	As Shown  DEC 2018  124 / 129

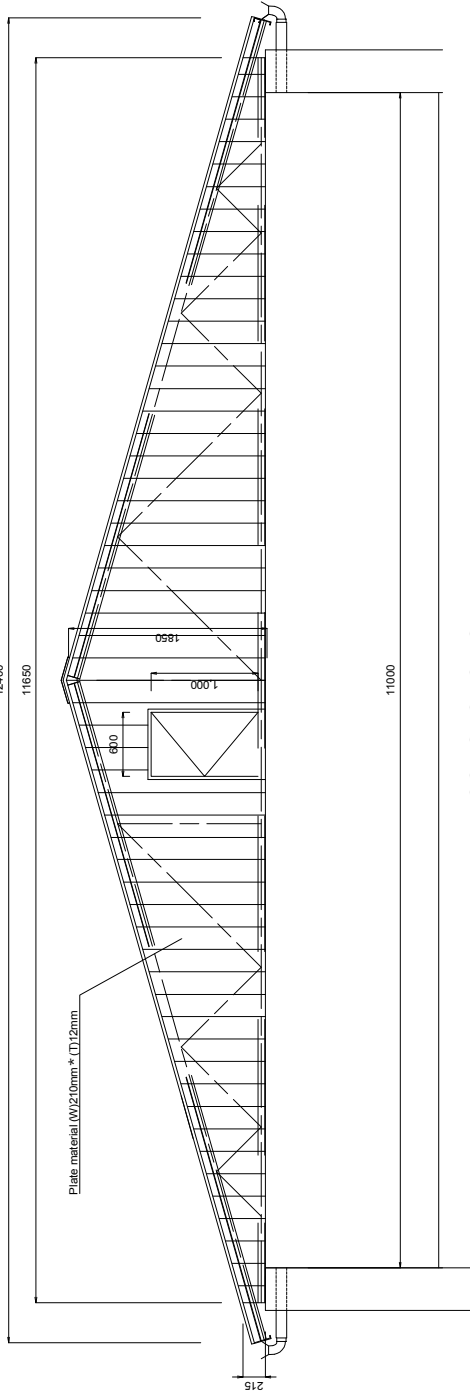
# SECTION (3) OF WATER SUPPLY FACILITY (TYPE-3: 100,000 GALLON / 450m3)



ROOF SECTION S=1:50



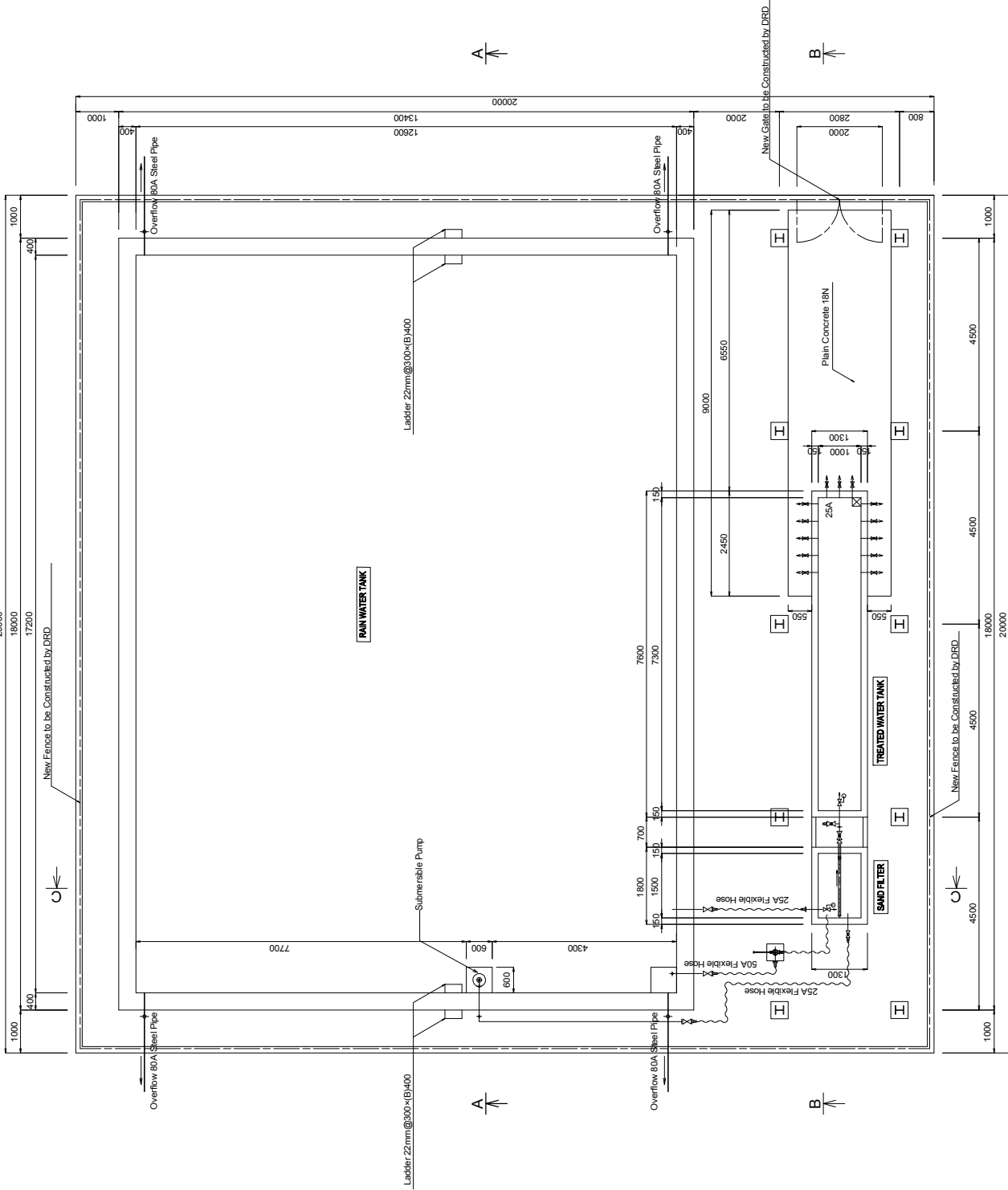
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ROOF SECTION S=1:50

 THE REPUBLIC OF THE UNION OF MYANMAR  AYEYARWADY REGION	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	AYEYARWADY REGION  WATER SUPPLY FACILITY	SHEET CONTENTS SECTION (3) OF WATER SUPPLY FACILITY (TYPE-3: 100,000 GALLON)		SCALE As Shown
				DATE DEC 2018	PAGE NO. 125 / 129	

# GENERAL LAYOUT AND PLAN OF WATER SUPPLY FACILITY (TYPE-4: 130,000 GALLON / 585m<sup>3</sup>)

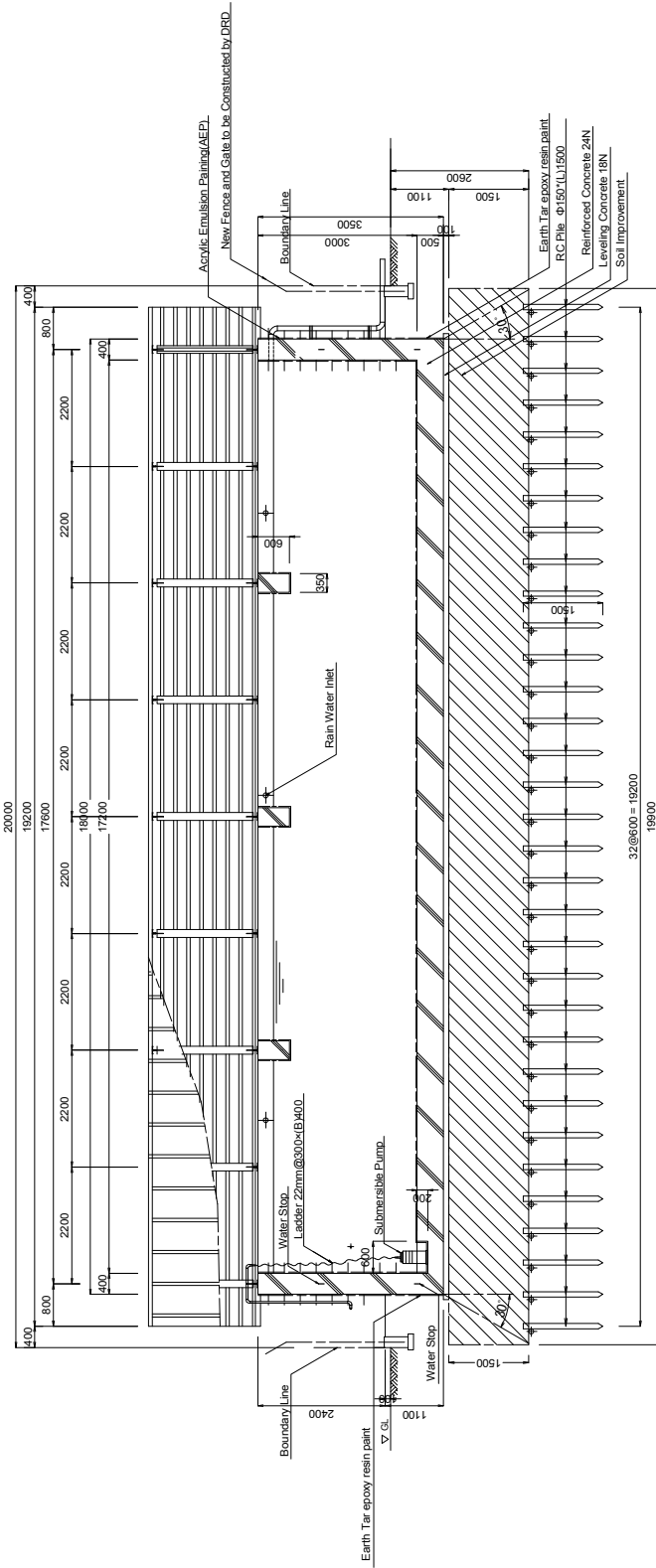


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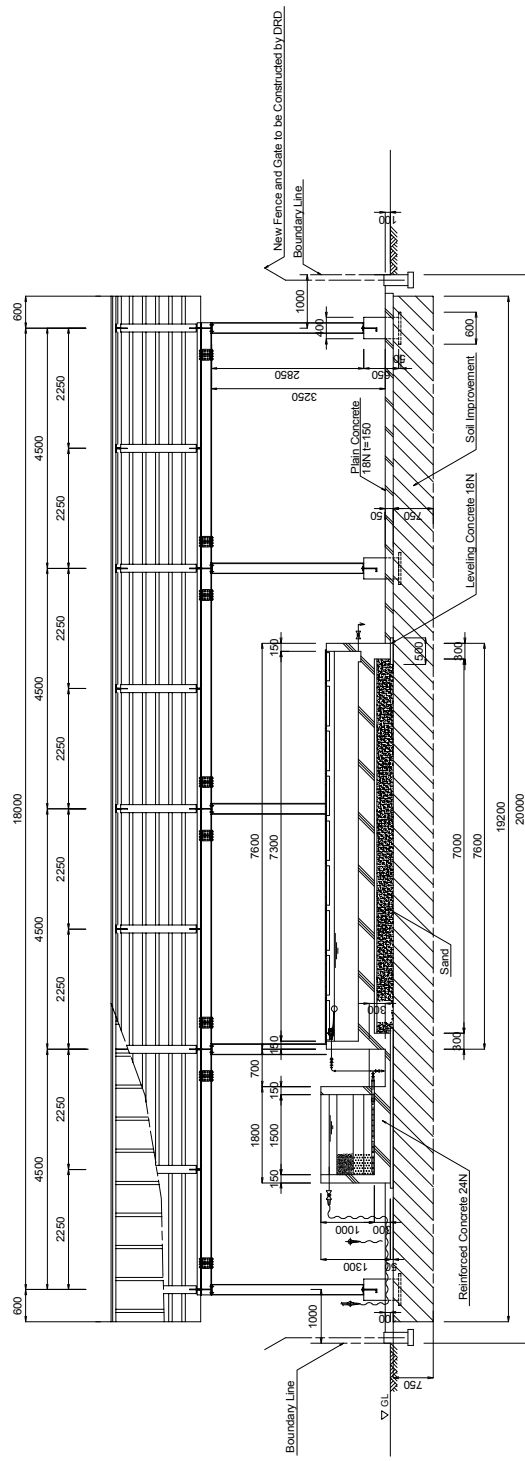
 THE REPUBLIC OF THE UNION OF MYANMAR  AYEYARWADY REGION	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD. NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	AYEYARWADY REGION  WATER SUPPLY FACILITY	SHEET CONTENTS	
				GENERAL LAYOUT AND PLAN OF WATER SUPPLY FACILITY (TYPE-4: 130,000 GALLON)	
				SCALE	As Shown
				DATE	DEC 2018
				PAGE NO.	126 / 129



# SECTION (1) OF WATER SUPPLY FACILITY (TYPE-4: 130,000 GALLON / 585m3)



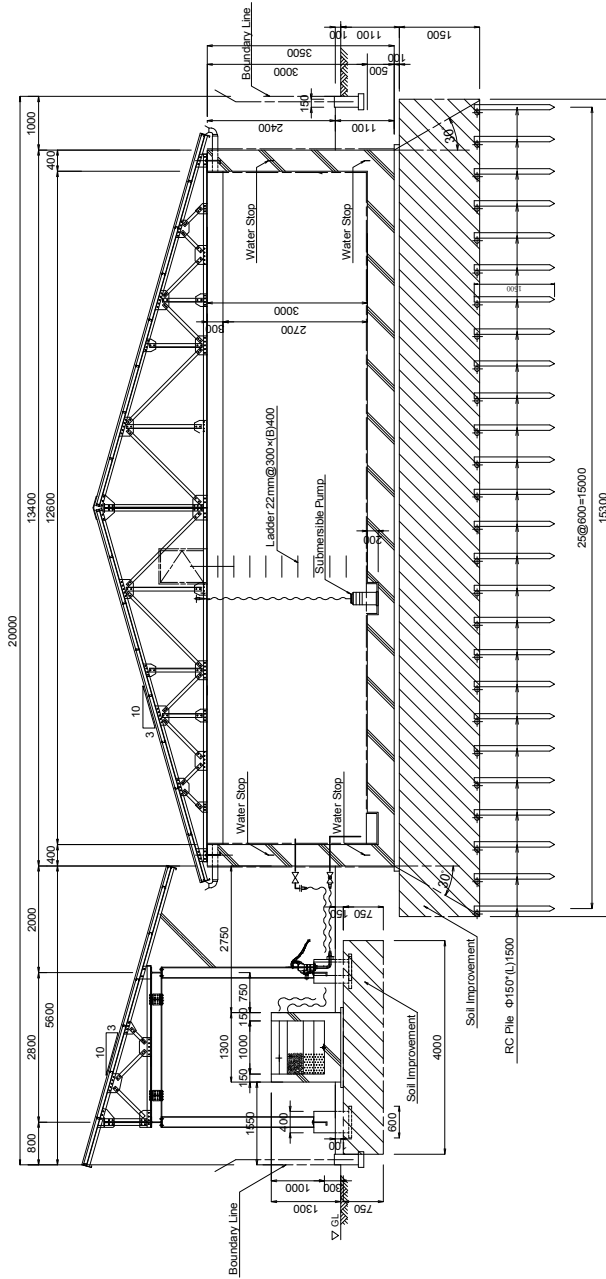
A-A SECTION S=1:100



B-B SECTION S=1:100

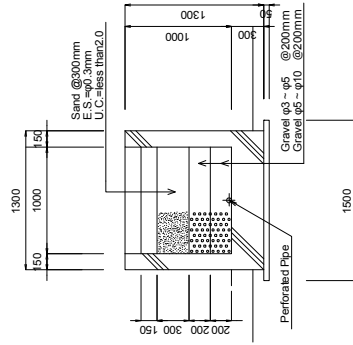
 THE REPUBLIC OF THE UNION OF MYANMAR  AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY  YACHIO ENGINEERING CO., LTD.  NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		AYEYARWADY REGION WATER SUPPLY FACILITY	SHEET CONTENTS SECTION (1) OF WATER SUPPLY FACILITY (TYPE-4: 130,000 GALLON)	SCALE DATE PAGE NO.	As Shown DEC 2018 127 / 129

# SECTION (2) OF WATER SUPPLY FACILITY (TYPE-4: 130,000 GALLON / 585m<sup>3</sup>)



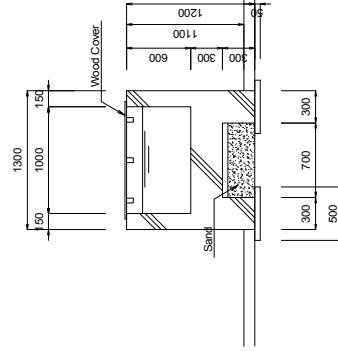
C-C SECTION S=1:100

## SAND FILTER



SECTION S=1:50

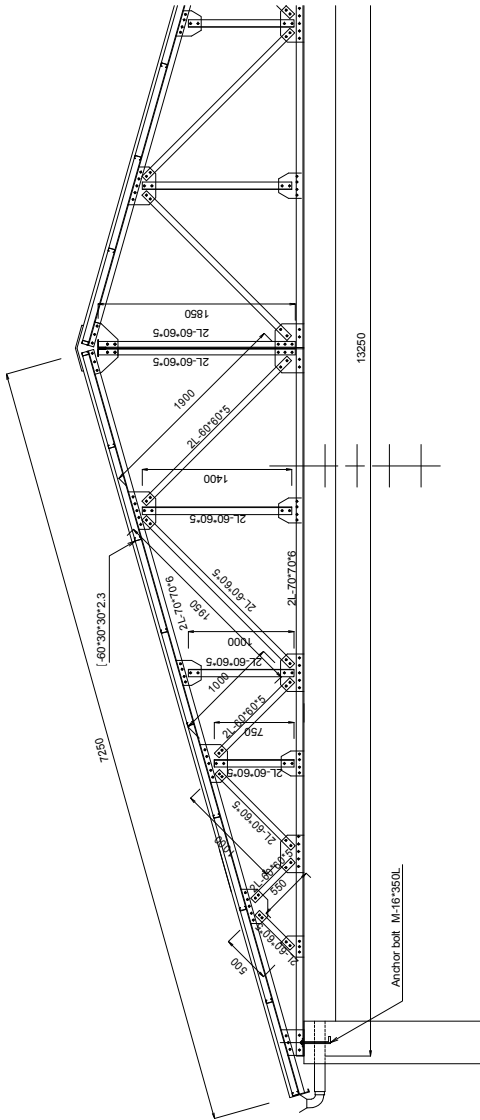
## TREATED WATER TANK



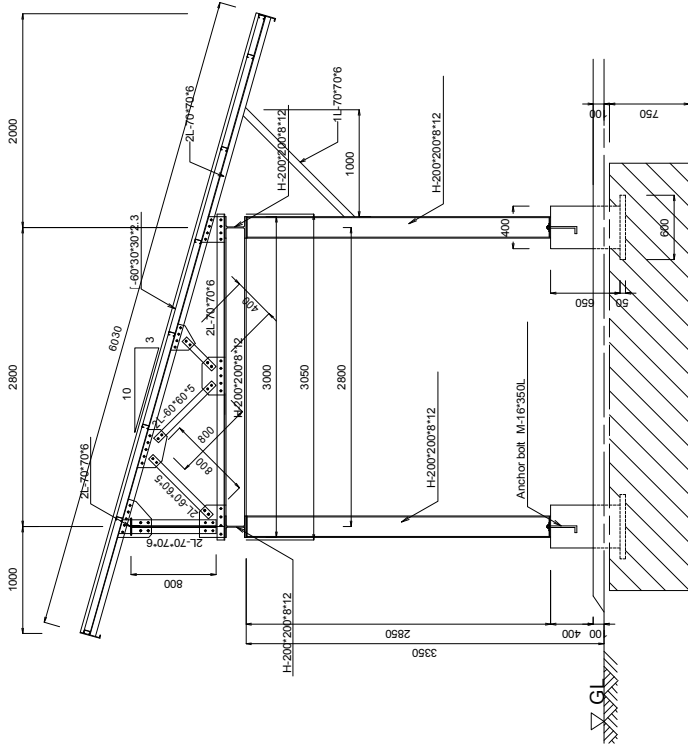
SECTION S=1:50

 THE REPUBLIC OF THE UNION OF MYANMAR  AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY  YACHIO ENGINEERING CO., LTD.  NIPPON KOEI CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		AYEYARWADY REGION  WATER SUPPLY FACILITY	SHEET CONTENTS SECTION (2) OF WATER SUPPLY FACILITY (TYPE-4: 130,000 GALLON)	SCALE DATE PAGE NO.	As Shown DEC 2018 128 / 129

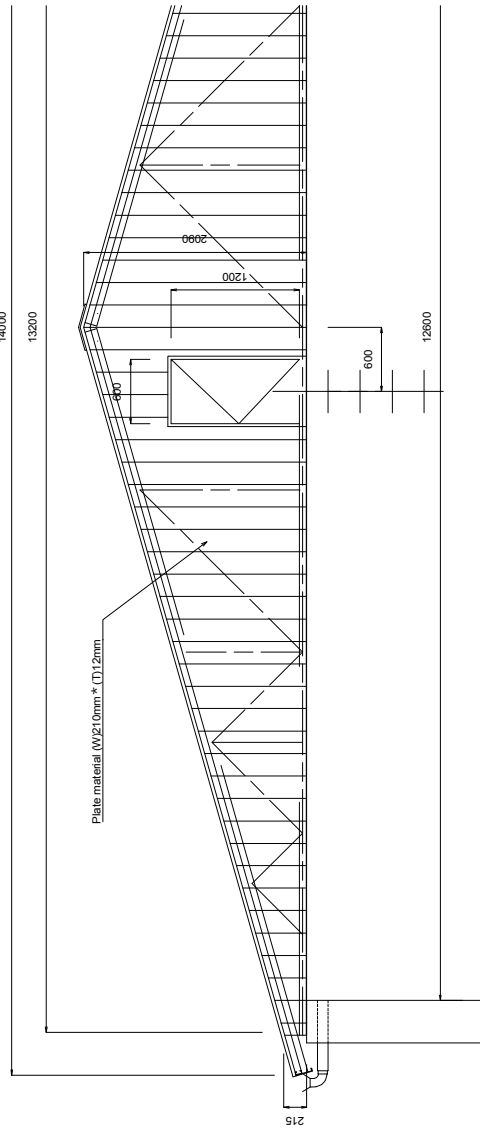
# SECTION (3) OF WATER SUPPLY FACILITY (TYPE-4: 130,000 GALLON / 585m<sup>3</sup>)



ROOF SECTION S=1:50



ROOF SECTION S=1:50



WALL SECTION S=1:50

 THE REPUBLIC OF THE UNION OF MYANMAR  AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY  YACHIYO ENGINEERING CO., LTD.  NIPPON KOEI CO., LTD.		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		AYEYARWADY REGION  WATER SUPPLY FACILITY	SHEET CONTENTS  SECTION (3) OF WATER SUPPLY FACILITY (TYPE-4: 130,000 GALLON)	SCALE  DATE	As Shown  DEC 2018
				PAGE NO.  129 / 129				