

## 資料- 4 概略設計図

THE PROJECT  
FOR  
RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS

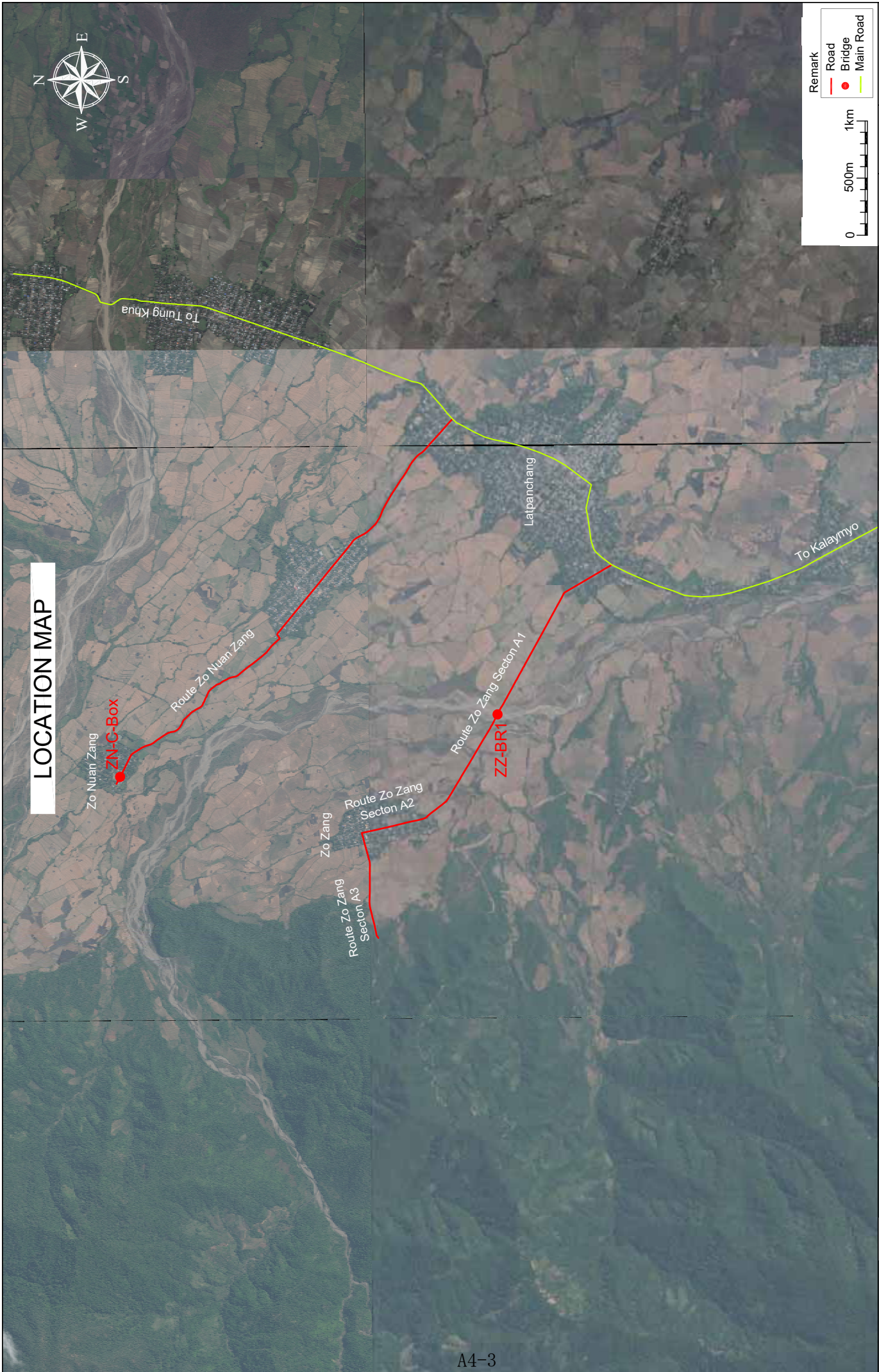
REFERENCE DRAWINGS  
CHIN STATE

OCTOBER 2020



JAPAN INTERNATIONAL COOPERATION AGENCY  
YACHIYO ENGINEERING CO., LTD.





**LOCATION MAP**

Remark	
—	Road
●	Bridge
—	Main Road
0 500m 1km	SCALE
S=1:30,000	SCALE
OCT. 2020	DATE
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SHEET CONTENTS	
LOCATION MAP	

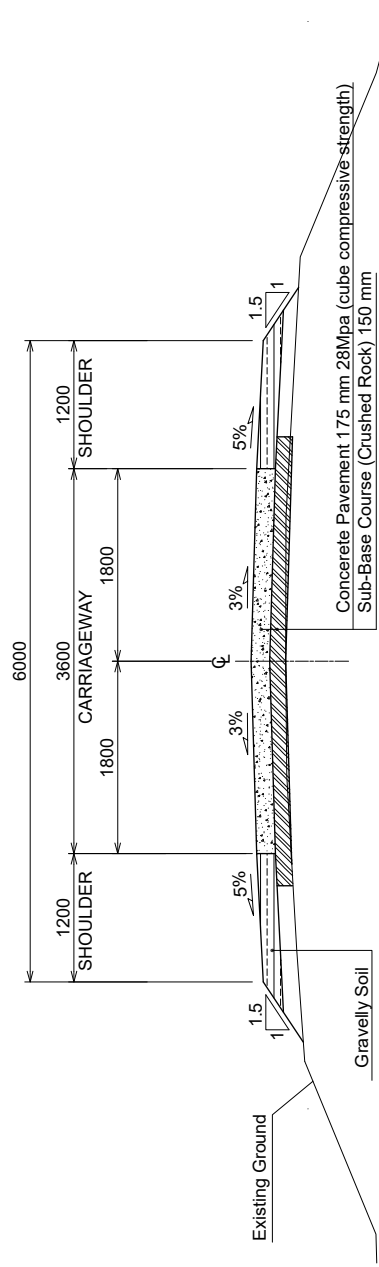
Dolluang Village Tract
Route Zo Zang Route Zo Nuan Zang

THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS
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JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.
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THE REPUBLIC OF THE UNION OF MYANMAR
CHIN STATE

# TYPICAL CROSS SECTION (1/2)



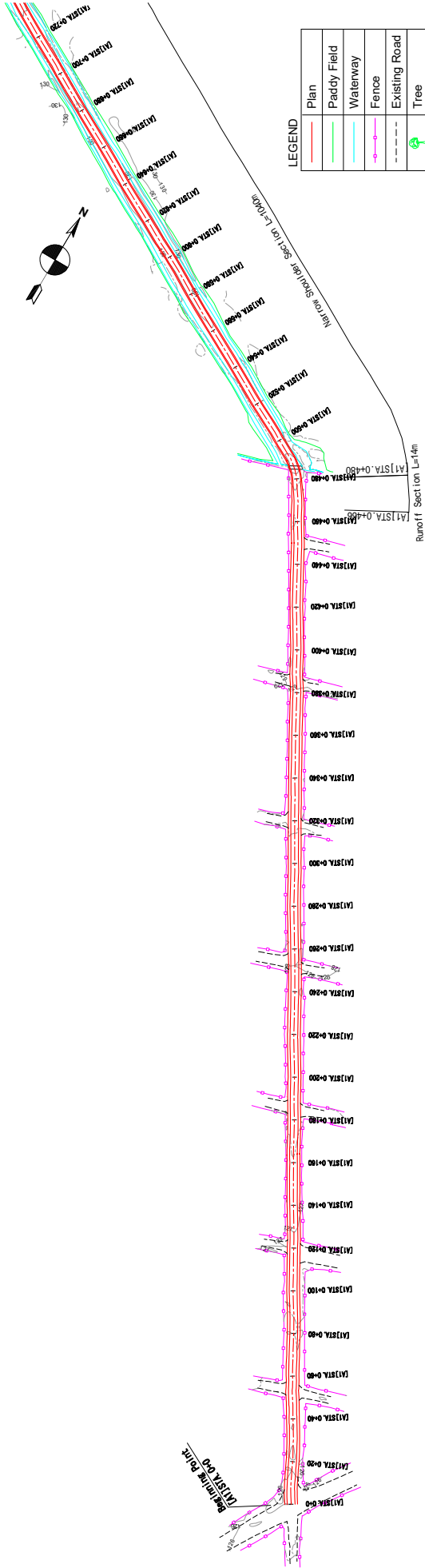
General Section  
(Route Zo Zang, Route Zo Naun Zang)

 THE REPUBLIC OF THE UNION OF MYANMAR  CHIN STATE	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Zo Zang Village Tract Zo Naun Zang Village Tract  Route Zo Zang Route Zo Naun Zang	SHEET CONTENTS	
				TYPICAL CROSS SECTION (1/2)	
				SCALE	S=1:50
		DATE	OCT. 2020		
		PAGE NO.	2 / 49		

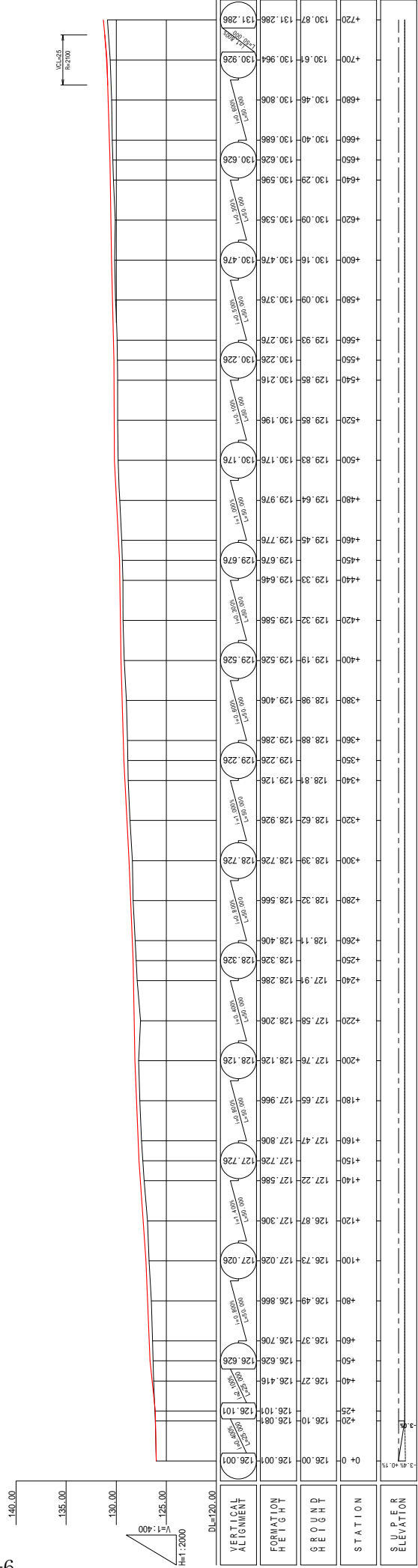


# PLAN & PROFILE (1/7)

PLAN S=1:2000



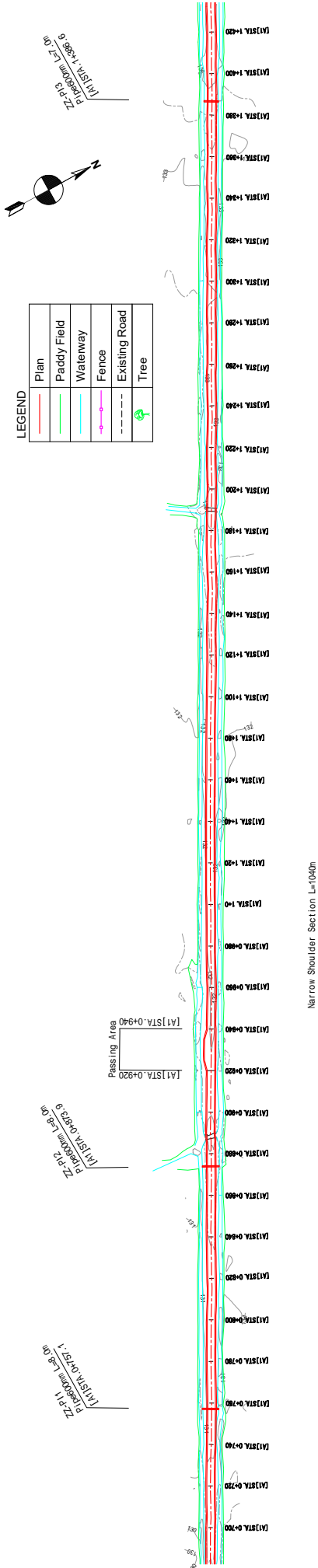
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H=1:2000



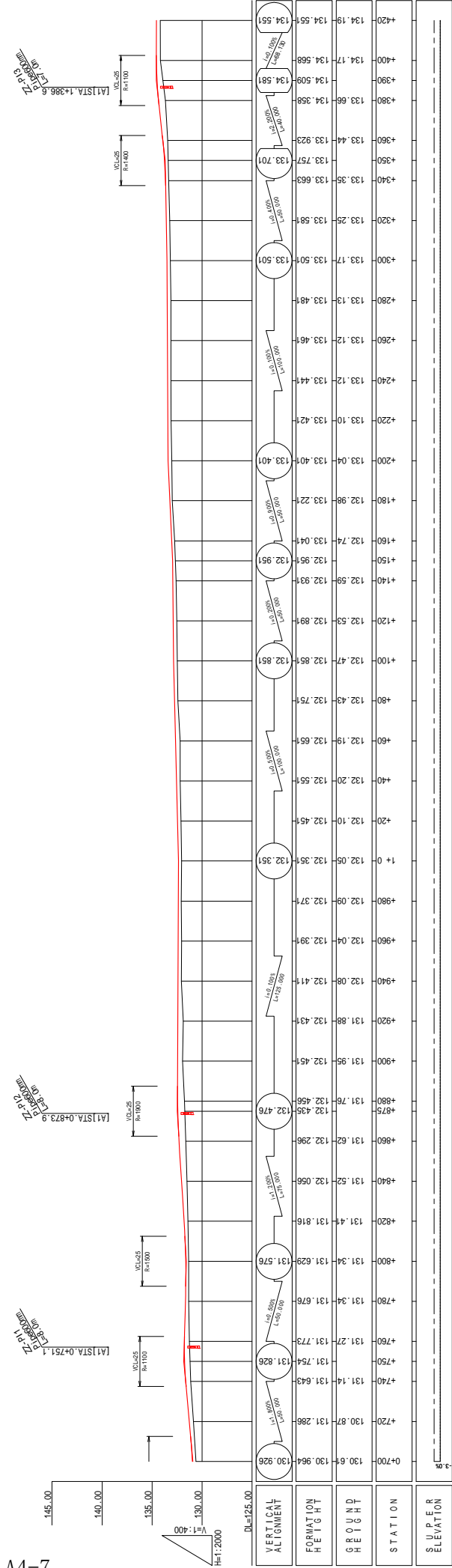
THE REPUBLIC OF THE UNION OF MYANMAR	JAPAN INTERNATIONAL COOPERATION AGENCY YACHYO ENGINEERING CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Doluang Village Tract Route Zo Zang Road A1		SHEET CONTENTS PLAN & PROFILE (1/7) STA.0+0 ~ STA.0+700		SCALE	As Shown
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# PLAN & PROFILE (2/7)

PLAN S=1:2000



PROFILE V=1:400 H=1:2000

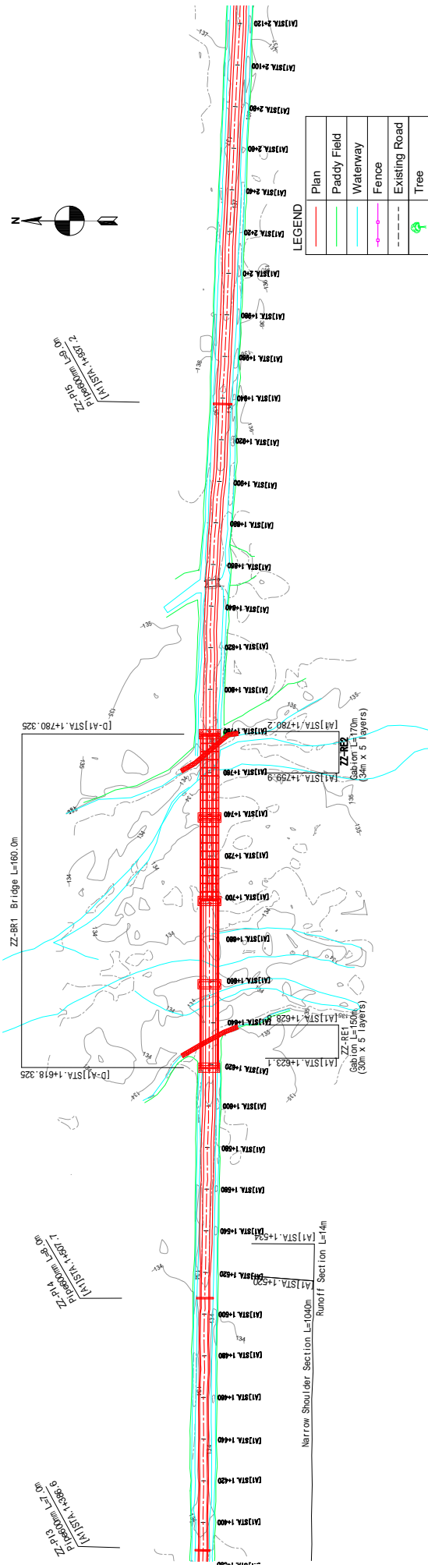


 THE REPUBLIC OF THE UNION OF MYANMAR	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHYO ENGINEERING CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		DOLLUANG VILLAGE TRACT Route Zo Zang Road A1		SHEET CONTENTS PLAN & PROFILE (2/7) STA.0+700 ~ STA.1+400		SCALE	As Shown
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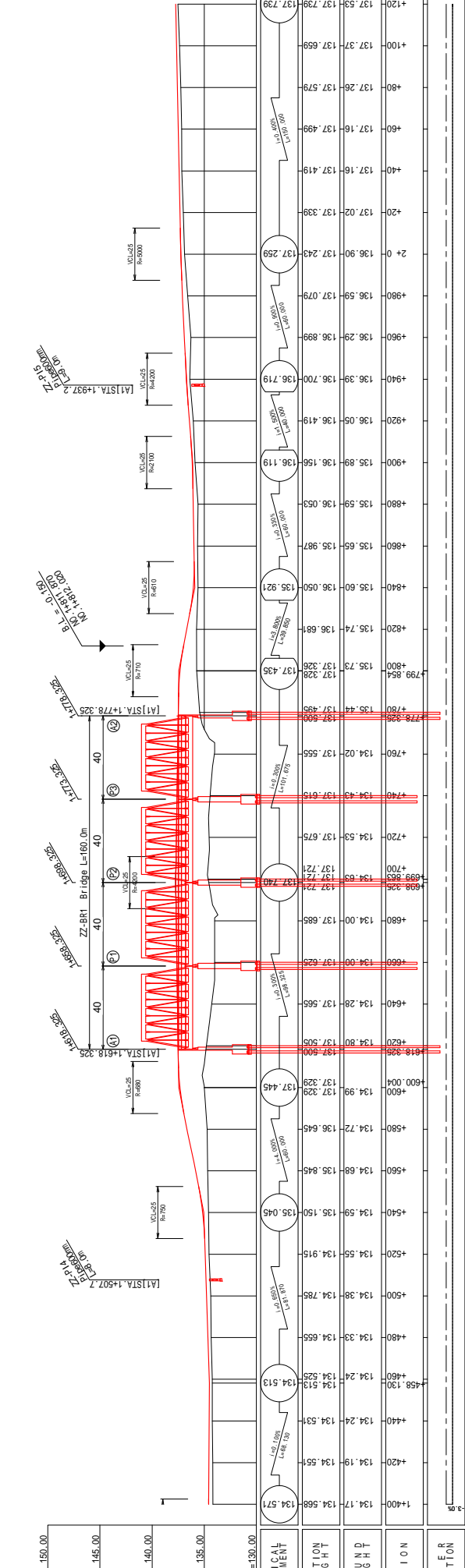


# PLAN & PROFILE (3/7)

PLAN S=1:2000



V=1:400  
H=1:2000



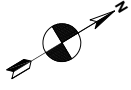
THE REPUBLIC OF THE UNION OF MYANMAR	JAPAN INTERNATIONAL COOPERATION AGENCY YACHYO ENGINEERING CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Doluang Village Tract Route Zo Zang Road A1		SHEET CONTENTS PLAN & PROFILE (3/7) STA.1+400 ~ STA.2+100		SCALE	As Shown
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# PLAN & PROFILE (4/7)

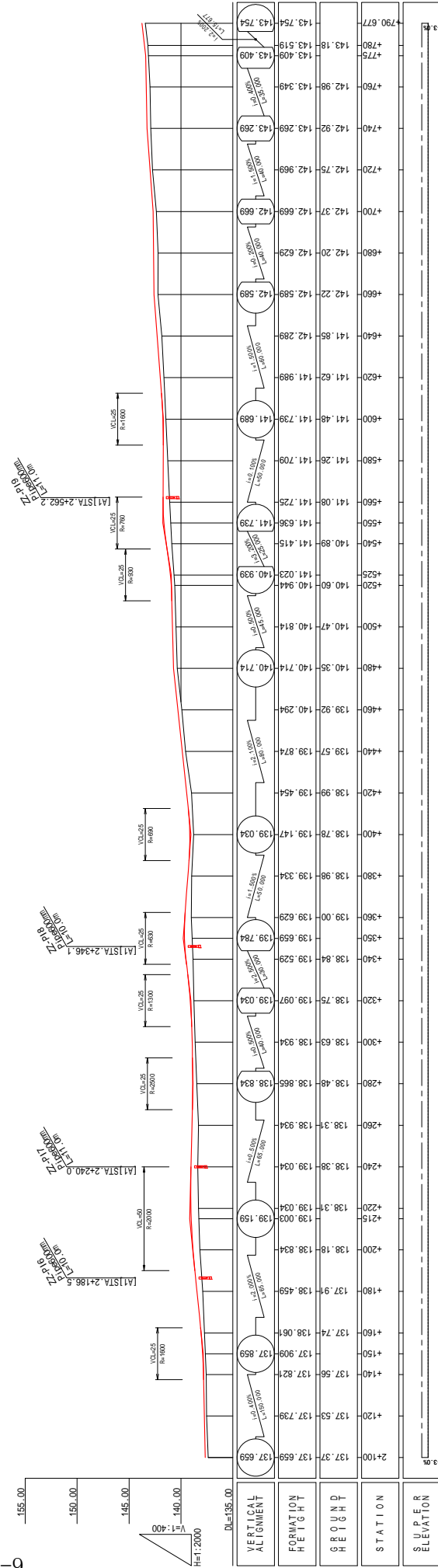
PLAN S=1:2000

LEGEND

	Plan
	Paddy Field
	Waterway
	Fence
	Existing Road
	Tree



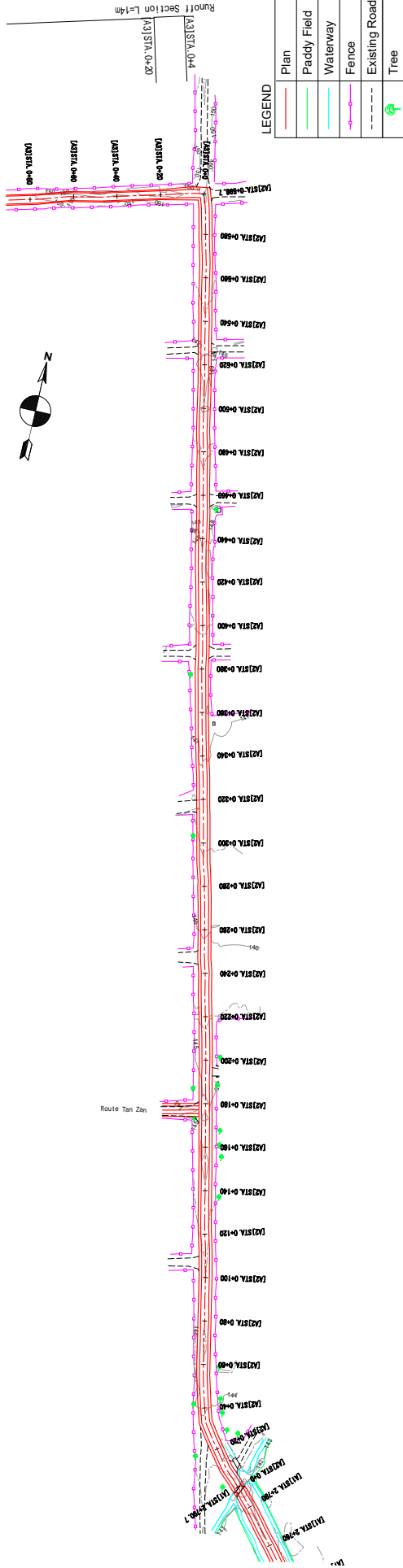
PROFILE V=1:400 H=1:2000



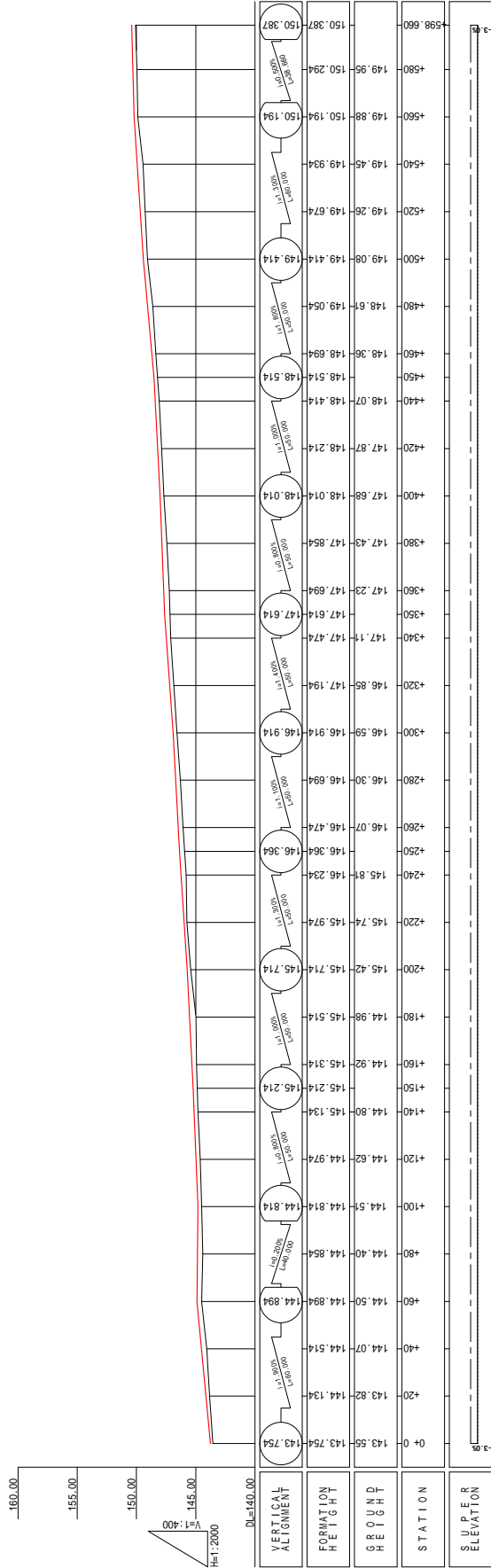
THE REPUBLIC OF THE UNION OF MYANMAR	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Doluang Village Tract Route Zo Zang Road A1		SHEET CONTENTS PLAN & PROFILE (4/7) STA.2+100 ~ STA.2+790.7		SCALE	As Shown	
	CHIN STATE								DATE	OCT. 2020	
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# PLAN & PROFILE (5/7)

PLAN S=1:2000



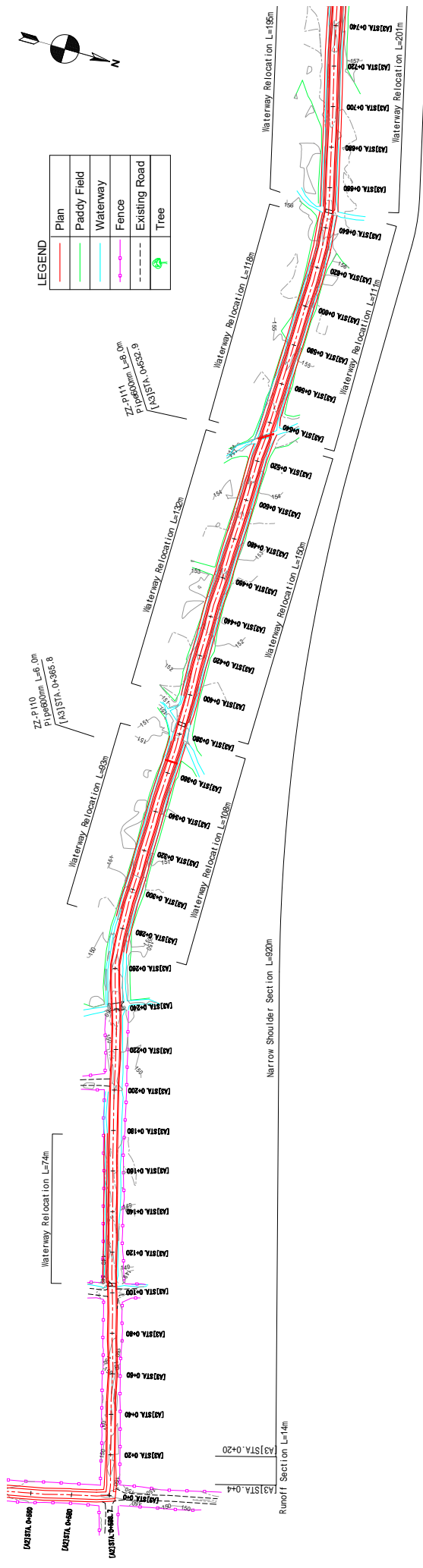
PROFILE V=1:400 H=1:2000



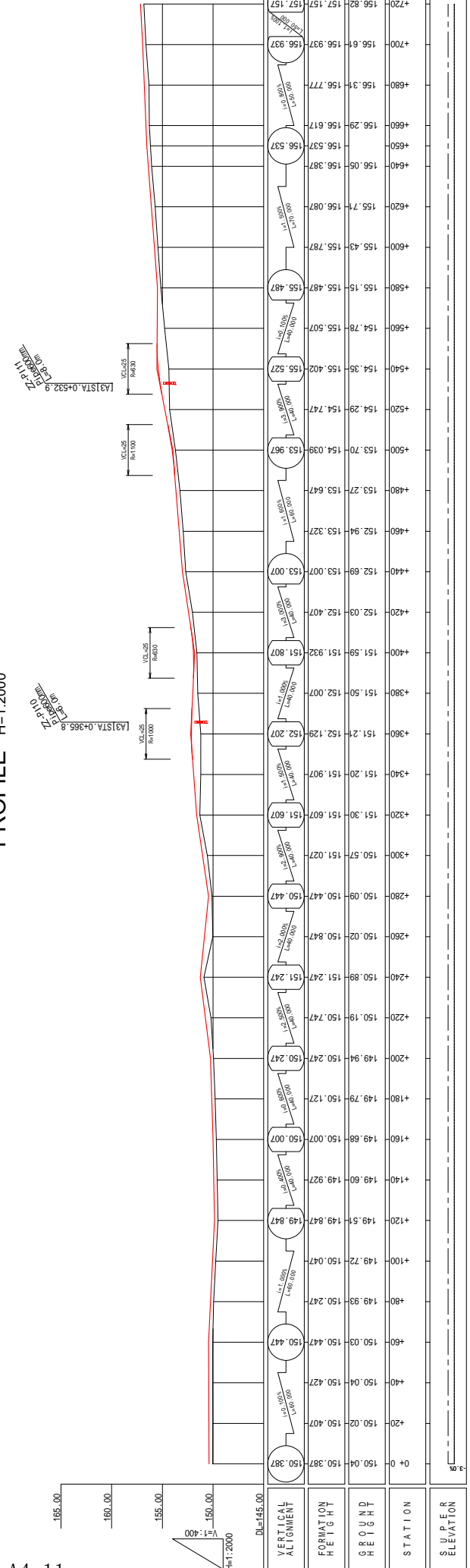
 THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	JAPAN INTERNATIONAL COOPERATION AGENCY  YACHIOI ENGINEERING CO., LTD.		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		DOLLUANG VILLAGE TRACT Route Zo Zang Road A2		SHEET CONTENTS PLAN & PROFILE (5/7) STA.0+0 ~ STA.0+598.7		SCALE	As Shown
		DATE	OCT. 2020	PAGE NO.	8 / 49						

# PLAN & PROFILE (6/7)

PLAN S=1:2000



PROFILE V=1:400  
H=1:2000

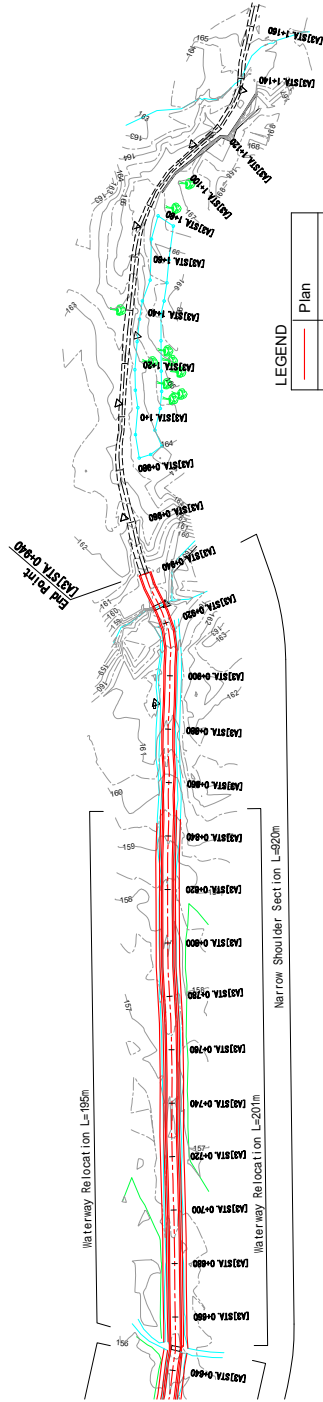


A4-11

 THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	JAPAN INTERNATIONAL COOPERATION AGENCY 		YACHYO ENGINEERING CO., LTD.		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract Route Zo Zang Road A3		SHEET CONTENTS PLAN & PROFILE (6/7) STA.0+0 ~ STA.0+700		SCALE As Shown
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# PLAN & PROFILE (7/7)

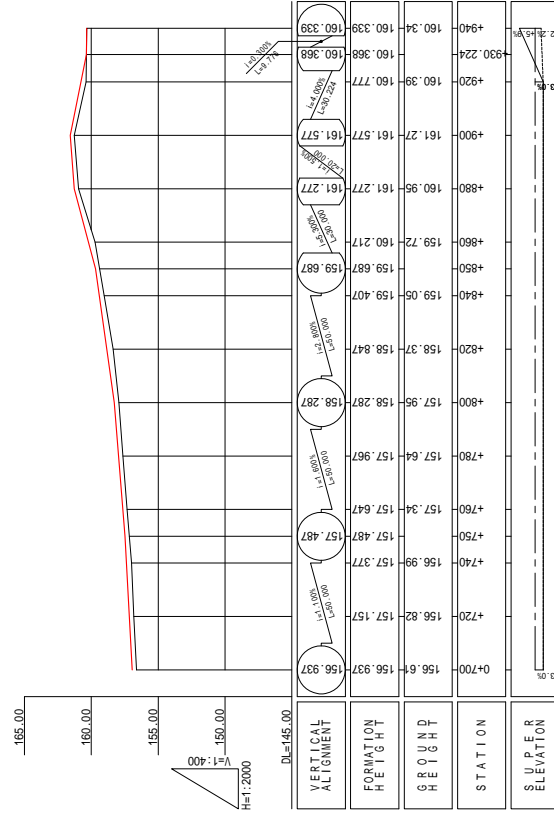
PLAN S=1:2000



**LEGEND**

	Plan
	Paddy Field
	Waterway
	Fence
	Existing Road
	Tree

PROFILE V=1:400  
H=1:2000

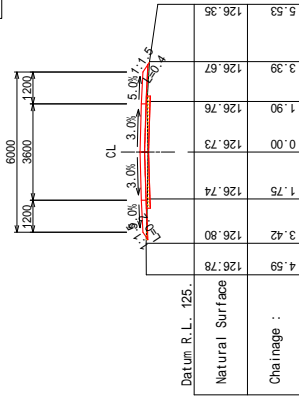


THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract		SHEET CONTENTS		SCALE	As Shown
		JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.		Route Zo Zang Road A3		PLAN & PROFILE (7/7) STA.0+700 ~ STA.0+940			
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# CROSS SECTION (1/12)

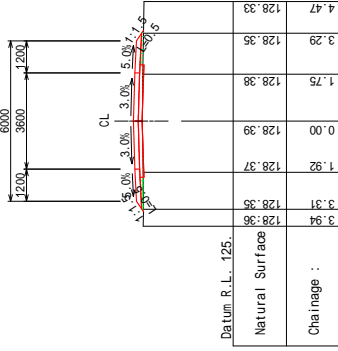
<b>[A1] STA. 0+100</b>	
Ground Height	126.75 n
Formation Height	127.026 n
Earth Work	0.0 m
Subgrade	0.0 m
Out	0.0 m
Shoulder	2.40 n
Surface	3.60 n
Base Course	4.20 n
Left Side	0.0 n
Right Side	0.0 n
Left Slope	0.0 n
Right Slope	0.0 n
Left Shoulder	0.0 n
Right Shoulder	0.0 n
Left Elevation	0.0 n
Right Elevation	0.0 n
Left Pavement	0.0 n
Right Pavement	0.0 n
Left Protection	0.0 n
Right Protection	0.0 n
Left Carriageway	3.60 n
Right Carriageway	3.60 n
Left Shoulder	0.0 n
Right Shoulder	0.0 n
Left Surface	3.60 n
Right Surface	3.60 n
Left Base Course	4.20 n
Right Base Course	4.20 n

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



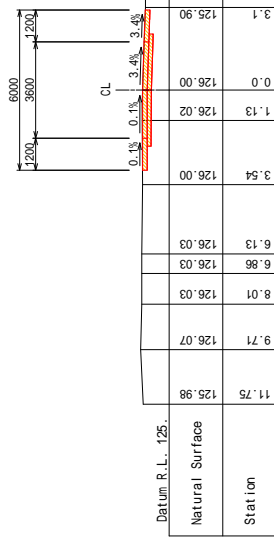
<b>[A1] STA. 0+300</b>	
Ground Height	128.39 n
Formation Height	128.726 n
Earth Work	0.0 m
Subgrade	0.0 m
Out	0.0 m
Shoulder	2.40 n
Surface	3.60 n
Base Course	4.20 n
Left Side	0.0 n
Right Side	0.0 n
Left Slope	0.0 n
Right Slope	0.0 n
Left Shoulder	0.0 n
Right Shoulder	0.0 n
Left Elevation	0.0 n
Right Elevation	0.0 n
Left Pavement	0.0 n
Right Pavement	0.0 n
Left Protection	0.0 n
Right Protection	0.0 n
Left Carriageway	3.60 n
Right Carriageway	3.60 n
Left Shoulder	0.0 n
Right Shoulder	0.0 n
Left Surface	3.60 n
Right Surface	3.60 n
Left Base Course	4.20 n
Right Base Course	4.20 n

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



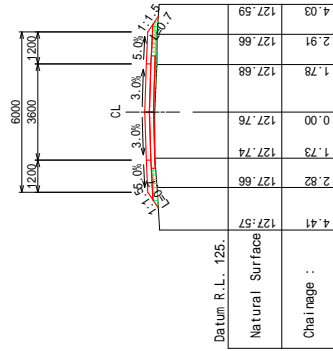
<b>[A1] STA. 0+0</b>	
Ground Height	126.00 n
Formation Height	126.00 n
Earth Work	0.0 m
Subgrade	0.0 m
Out	0.0 m
Shoulder	2.40 n
Surface	3.60 n
Base Course	4.20 n
Left Side	0.0 n
Right Side	0.0 n
Left Slope	0.0 n
Right Slope	0.0 n
Left Shoulder	0.0 n
Right Shoulder	0.0 n
Left Elevation	0.0 n
Right Elevation	0.0 n
Left Pavement	0.0 n
Right Pavement	0.0 n
Left Protection	0.0 n
Right Protection	0.0 n
Left Carriageway	3.60 n
Right Carriageway	3.60 n
Left Shoulder	0.0 n
Right Shoulder	0.0 n
Left Surface	3.60 n
Right Surface	3.60 n
Left Base Course	4.20 n
Right Base Course	4.20 n

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



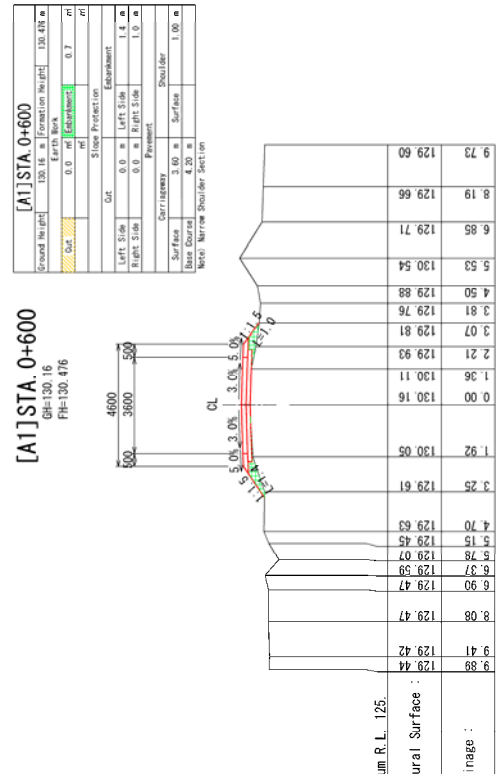
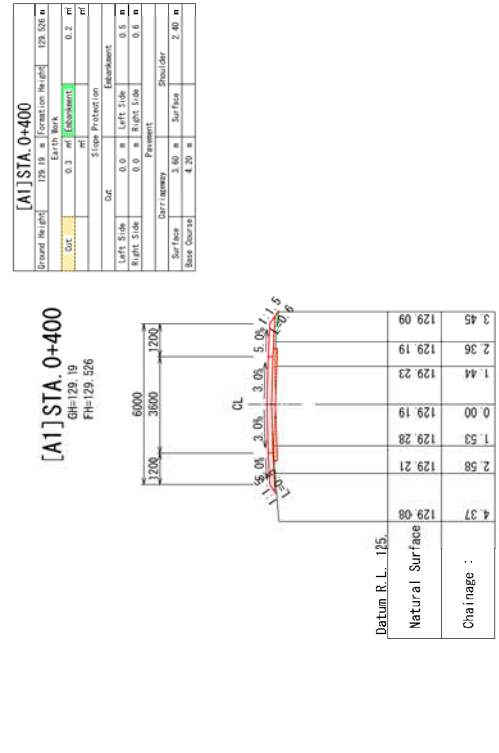
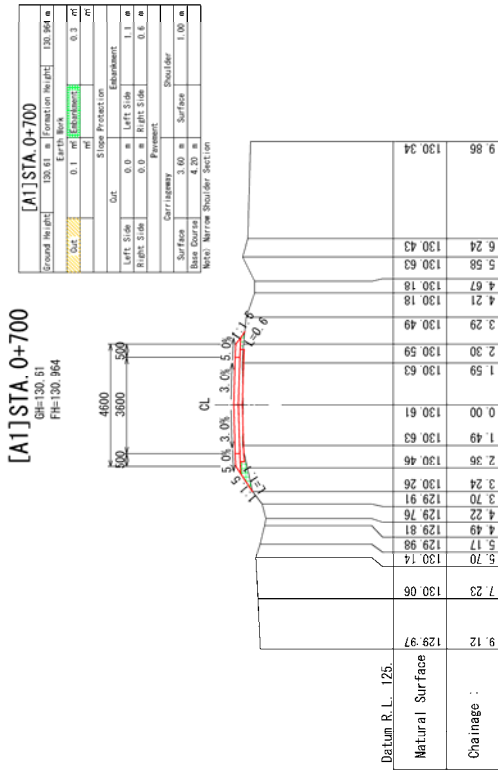
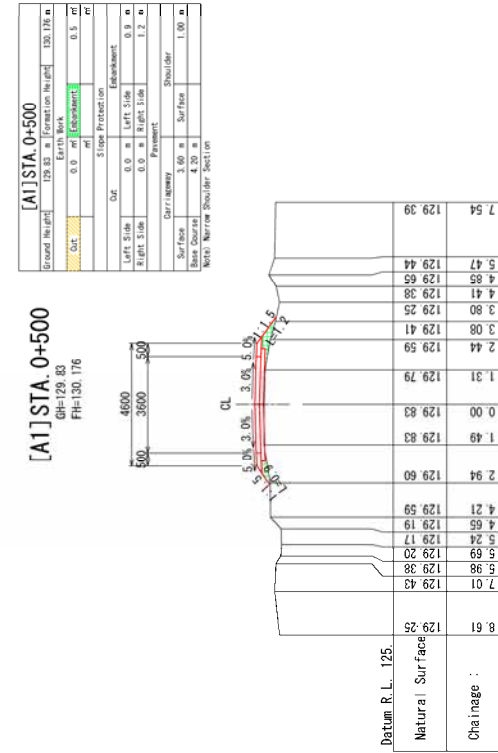
<b>[A1] STA. 0+200</b>	
Ground Height	127.76 n
Formation Height	128.126 n
Earth Work	0.0 m
Subgrade	0.0 m
Out	0.0 m
Shoulder	2.40 n
Surface	3.60 n
Base Course	4.20 n
Left Side	0.0 n
Right Side	0.0 n
Left Slope	0.0 n
Right Slope	0.0 n
Left Shoulder	0.0 n
Right Shoulder	0.0 n
Left Elevation	0.0 n
Right Elevation	0.0 n
Left Pavement	0.0 n
Right Pavement	0.0 n
Left Protection	0.0 n
Right Protection	0.0 n
Left Carriageway	3.60 n
Right Carriageway	3.60 n
Left Shoulder	0.0 n
Right Shoulder	0.0 n
Left Surface	3.60 n
Right Surface	3.60 n
Left Base Course	4.20 n
Right Base Course	4.20 n

**[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.		Route Zo Zang Road A1			DATE	OCT. 2020	
						CROSS SECTION (1/12)		PAGE NO.	11 / 49
						STA. 0+0 ~ STA. 0+300			

# CROSS SECTION (2/12)

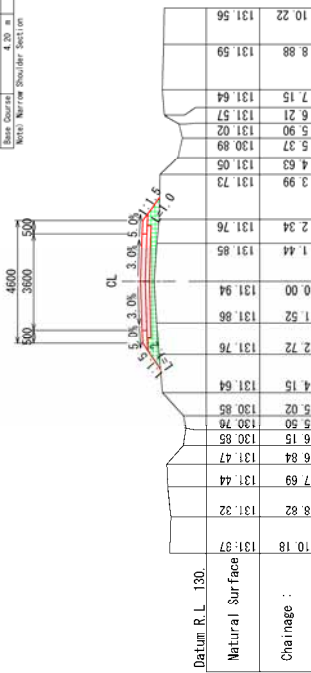


THE REPUBLIC OF THE UNION OF MYANMAR	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Dolluang Village Tract Route Zo Zang Road A1	SHEET CONTENTS		SCALE	S=1:200
				CROSS SECTION (2/12) STA.0+4000 ~ STA.0+700		DATE	OCT. 2020
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# CROSS SECTION (3/12)

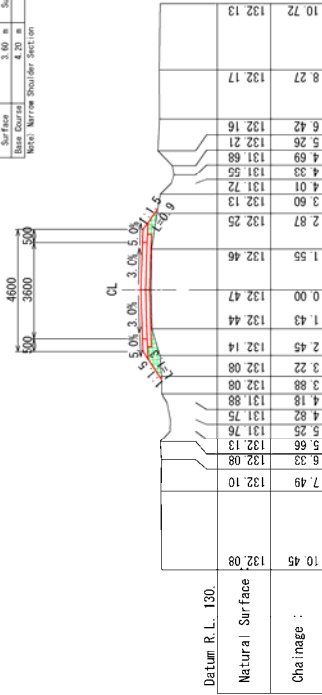
[A1] STA. 0+900	
Ground Height	131.95 m
Formation Height	132.451 m
Earth Work	1.5 m
Out	0.0 m
Earthwork	1.5 m
Slope Protection	1.5 m
Out	0.0 m
Left Side	1.2 m
Right Side	1.0 m
Prevent	1.0 m
Carriageway	5.60 m
Surface	4.20 m
Shoulder	1.00 m
Base Course	4.20 m
Note: Narrow Shoulder Section	

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



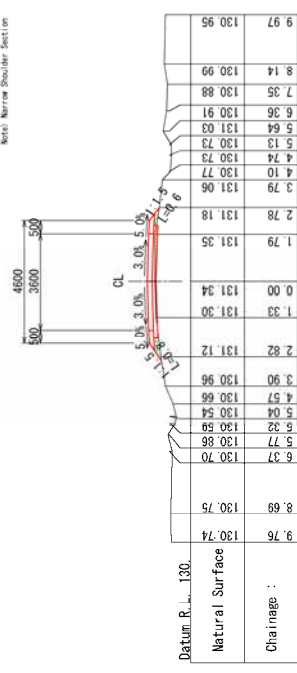
[A1] STA. 1+100	
Ground Height	132.47 m
Formation Height	132.951 m
Earth Work	0.8 m
Out	0.0 m
Earthwork	0.8 m
Slope Protection	0.8 m
Out	0.0 m
Left Side	1.3 m
Right Side	0.9 m
Prevent	0.9 m
Carriageway	5.60 m
Surface	4.20 m
Shoulder	1.00 m
Base Course	4.20 m
Note: Narrow Shoulder Section	

[A1] STA. 1+100  
GH=132.47  
FH=132.951



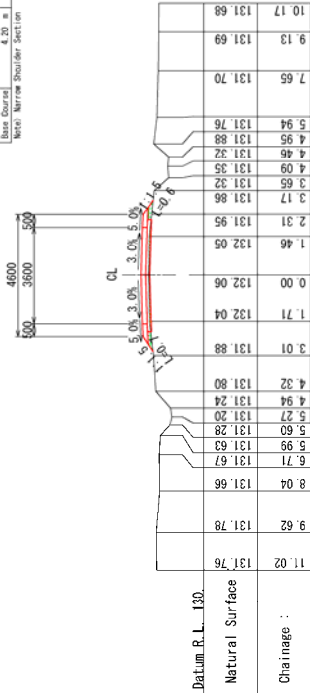
[A1] STA. 0+800	
Ground Height	131.34 m
Formation Height	131.629 m
Earth Work	0.2 m
Out	0.2 m
Earthwork	0.2 m
Slope Protection	0.2 m
Out	0.0 m
Left Side	0.8 m
Right Side	0.6 m
Prevent	0.6 m
Carriageway	5.60 m
Surface	4.20 m
Shoulder	1.00 m
Base Course	4.20 m
Note: Narrow Shoulder Section	

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



[A1] STA. 1+0	
Ground Height	132.06 m
Formation Height	132.351 m
Earth Work	0.2 m
Out	0.2 m
Earthwork	0.2 m
Slope Protection	0.2 m
Out	0.0 m
Left Side	0.7 m
Right Side	0.6 m
Prevent	0.6 m
Carriageway	5.60 m
Surface	4.20 m
Shoulder	1.00 m
Base Course	4.20 m
Note: Narrow Shoulder Section	

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



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		Route Zo Zang Road A1		Route Zo Zang Road A1		CROSS SECTION (3/12) STA.0+800 ~ STA.1+100		DATE	OCT. 2020
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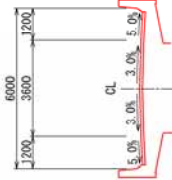


# CROSS SECTION (5/12)

[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	137.721 m
Earth Work	0.0 m <sup>3</sup>
Embankment	0.0 m <sup>3</sup>
Gut	0.0 m
Slope Protection	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Shoulder	0.00 m
Base Course	0.00 m

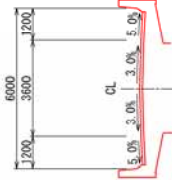


Datum R. L. 130.	10.52	8.84	5.83	3.23	0.00	3.37	4.67	11.91
Natural Surface	134.41	134.50	134.72	134.37	134.58	134.44	134.51	134.51
Chainage :								

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

[D-A1] STA. 1+699.863  
FH=137.721

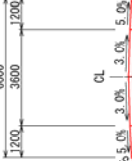
[A1] STA. 1+700	
Ground Height	134.58 m
Formation Height	137.721 m
Earth Work	0.0 m <sup>3</sup>
Embankment	0.0 m <sup>3</sup>
Gut	0.0 m
Slope Protection	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Shoulder	0.00 m
Base Course	0.00 m



Datum R. L. 130.	10.52	8.84	5.83	3.23	0.00	3.37	4.67	11.91
Natural Surface	134.41	134.50	134.72	134.37	134.58	134.44	134.51	134.51
Chainage :								

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

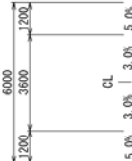
[A1] STA. 1+900	
Ground Height	135.89 m
Formation Height	136.156 m
Earth Work	0.2 m <sup>3</sup>
Embankment	0.5 m <sup>3</sup>
Gut	0.2 m
Slope Protection	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Shoulder	3.40 m
Base Course	4.20 m



Datum R. L. 130.	10.62	8.09	7.16	6.57	6.06	5.34	4.82	3.20	1.31	0.00	1.39	3.18	4.67	10.62
Natural Surface	135.82	135.79	135.83	135.03	134.90	135.08	135.65	135.73	135.82	135.89	135.84	135.64	135.34	135.61
Chainage :														

[A1] STA. 1+800  
GH=135.73  
FH=137.326

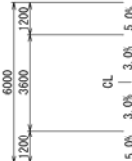
[A1] STA. 1+800	
Ground Height	135.73 m
Formation Height	137.326 m
Earth Work	0.5 m <sup>3</sup>
Embankment	14.5 m <sup>3</sup>
Gut	0.5 m
Slope Protection	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Shoulder	2.40 m
Base Course	4.20 m



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

[A1] STA. 1+800  
GH=135.73  
FH=137.326

[A1] STA. 1+800	
Ground Height	135.73 m
Formation Height	137.326 m
Earth Work	0.5 m <sup>3</sup>
Embankment	14.5 m <sup>3</sup>
Gut	0.5 m
Slope Protection	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Shoulder	2.40 m
Base Course	4.20 m



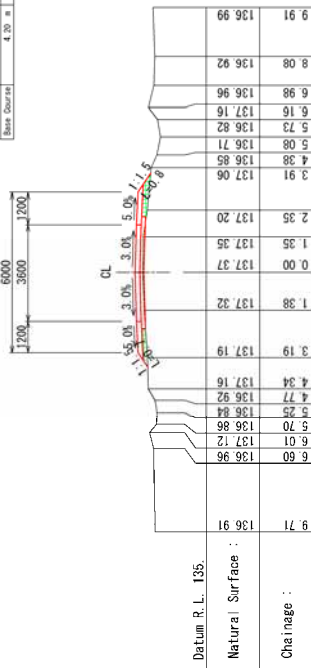
Datum R. L. 130.	10.63	1.56	3.79	1.50	2.97	4.66	10.63
Natural Surface	135.15	135.65	135.40	135.65	135.52	135.26	135.33
Chainage :							

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				CROSS SECTION (5/12) STA.1+600 ~ STA.1+900		DATE	OCT. 2020
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# CROSS SECTION (6/12)

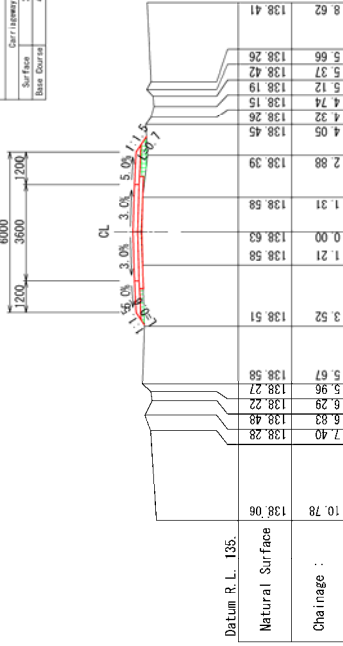
[A1] STA. 2+100	
Ground Height	137.37 m
Formation Height	137.659 m
Earth Work	0.0 m <sup>3</sup>
Excavation	0.5 m <sup>3</sup>
Fill	0.5 m <sup>3</sup>
Out	
Slope Protection	
Embankment	
Left Side	0.0 m
Right Side	0.0 m
Shoulder	2.40 m
Surface	4.20 m
Base Course	4.20 m

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



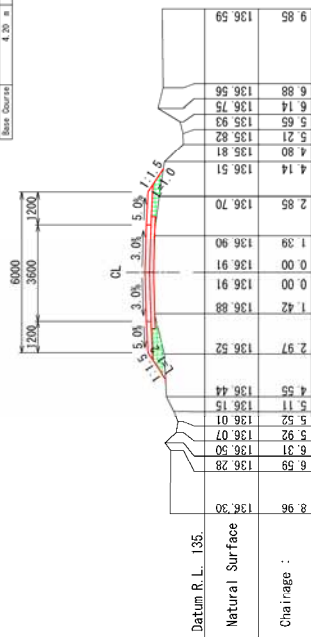
[A1] STA. 2+300	
Ground Height	138.63 m
Formation Height	138.924 m
Earth Work	0.0 m <sup>3</sup>
Excavation	0.5 m <sup>3</sup>
Fill	0.5 m <sup>3</sup>
Out	
Slope Protection	
Embankment	
Left Side	0.0 m
Right Side	0.0 m
Shoulder	2.40 m
Surface	4.20 m
Base Course	4.20 m

[A1] STA. 2+300  
GH=138.63  
FH=138.924



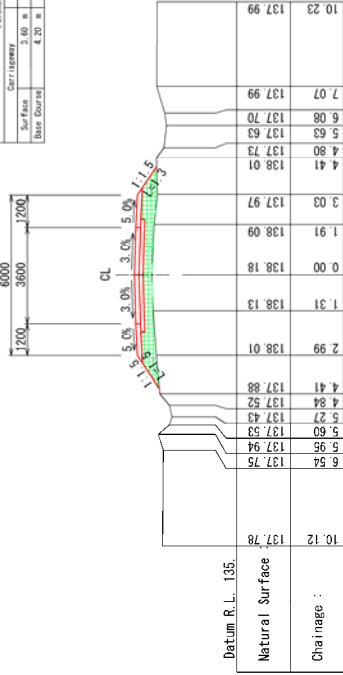
[A1] STA. 2+0	
Ground Height	136.91 m
Formation Height	137.243 m
Earth Work	0.0 m <sup>3</sup>
Excavation	1.0 m <sup>3</sup>
Fill	1.0 m <sup>3</sup>
Out	
Slope Protection	
Embankment	
Left Side	0.0 m
Right Side	0.0 m
Shoulder	2.40 m
Surface	4.20 m
Base Course	4.20 m

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



[A1] STA. 2+200	
Ground Height	138.18 m
Formation Height	138.524 m
Earth Work	0.0 m <sup>3</sup>
Excavation	3.2 m <sup>3</sup>
Fill	3.2 m <sup>3</sup>
Out	
Slope Protection	
Embankment	
Left Side	0.0 m
Right Side	0.0 m
Shoulder	2.40 m
Surface	4.20 m
Base Course	4.20 m

[A1] STA. 2+200  
GH=138.18  
FH=138.524



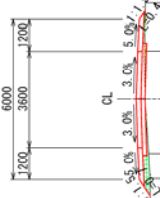
THE REPUBLIC OF THE UNION OF MYANMAR	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Dolluang Village Tract Route Zo Zang Road A1	SHEET CONTENTS		
				CROSS SECTION (6/12) STA. 2+0 ~ STA. 2+300	SCALE S=1:200	DATE OCT. 2020
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# CROSS SECTION (8/12)

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

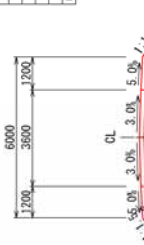
[A2] STA. 0+300	
Ground Height	146.59 m
Formation Height	146.914 m
Earth Work	0.1 m
Out	0.1 m
Earthwork	0.5 m
Earthwork	0.5 m
Out	0.1 m
Slope Protection	0.5 m
Out	0.1 m
Left Side	0.0 m
Right Side	0.0 m
Left Side	0.7 m
Right Side	0.4 m
Prevent	0.0 m
Carriageway	3.60 m
Shoulder	2.40 m
Surface	3.60 m
Base Course	4.20 m



Datum R.L.	140	146.40	146.40	146.45	146.59	146.60	146.57	146.55	146.50
Natural Surface		4.72	2.96	2.02	0.00	1.80	3.62	6.49	11.14
Chainage									

[A2] STA. 0+100	
Ground Height	144.51 m
Formation Height	144.814 m
Earth Work	0.0 m
Out	0.0 m
Earthwork	0.3 m
Earthwork	0.3 m
Out	0.0 m
Slope Protection	0.3 m
Out	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Left Side	0.6 m
Right Side	1.0 m
Prevent	0.0 m
Carriageway	3.60 m
Shoulder	2.40 m
Surface	3.60 m
Base Course	4.20 m

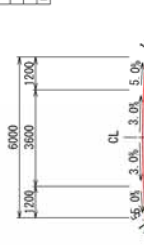
[A2] STA. 0+100  
 GH=144.51  
 FH=144.814



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

[A2] STA. 0+0	
Ground Height	143.55 m
Formation Height	143.754 m
Earth Work	0.6 m
Out	0.6 m
Earthwork	1.8 m
Earthwork	1.8 m
Out	0.6 m
Slope Protection	1.8 m
Out	0.6 m
Left Side	0.0 m
Right Side	0.0 m
Left Side	0.6 m
Right Side	1.3 m
Prevent	0.0 m
Carriageway	3.60 m
Shoulder	2.40 m
Surface	3.60 m
Base Course	4.20 m

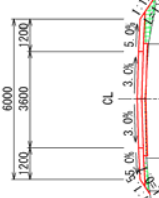
[A2] STA. 0  
 GH=143.55  
 FH=143.754



Datum R.L.	140	143.09	143.29	143.59	143.55	143.45	143.80	142.80	142.96	142.69	142.87	143.19	143.13	142.73	142.65	142.70	142.70	142.64	
Natural Surface		10.77	3.73	1.46	0.08	1.04	1.85	2.20	3.10	4.03	4.74	5.53	5.53	5.91	6.52	7.04	7.64	8.07	
Chainage																			

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

[A2] STA. 0+200	
Ground Height	145.42 m
Formation Height	145.714 m
Earth Work	0.1 m
Out	0.1 m
Earthwork	0.6 m
Earthwork	0.6 m
Out	0.1 m
Slope Protection	0.6 m
Out	0.1 m
Left Side	0.0 m
Right Side	0.0 m
Left Side	0.7 m
Right Side	1.0 m
Prevent	0.0 m
Carriageway	3.60 m
Shoulder	2.40 m
Surface	3.60 m
Base Course	4.20 m



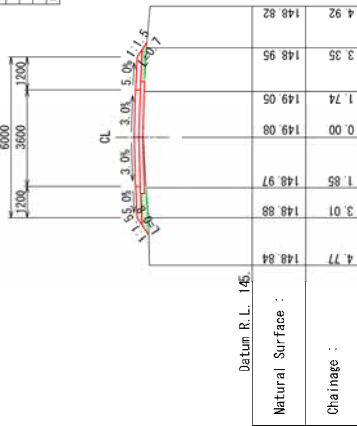
Datum R.L.	140	144.87	145.25	145.36	145.42	145.29	145.01	145.20	145.20
Natural Surface		5.64	3.43	2.20	0.00	2.09	3.56	4.99	4.99
Chainage									

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# CROSS SECTION (9/12)

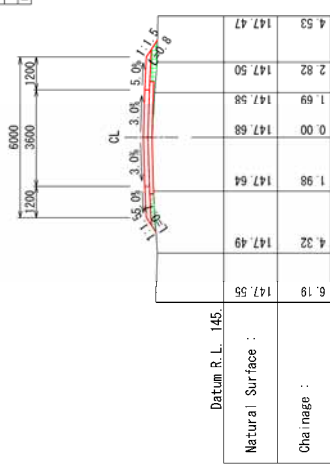
<b>[A2] STA. 0+500</b>	
Ground Height	149.05 m
Formation Height	150.294 m
Earth Work	0.0 m <sup>3</sup>
Excavation	0.0 m <sup>3</sup>
Fill	0.0 m <sup>3</sup>
Out	0.0 m
Slope Protection	0.0 m
Enbankment	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Prevent	0.0 m
Carriageway	3.60 m
Surface	4.20 m
Base Course	2.40 m

**[A2] STA. 0+500**  
 GH=149.05  
 FH=150.294



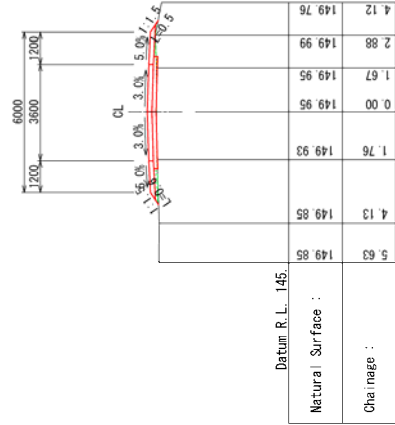
<b>[A2] STA. 0+400</b>	
Ground Height	147.66 m
Formation Height	150.294 m
Earth Work	0.0 m <sup>3</sup>
Excavation	0.0 m <sup>3</sup>
Fill	0.0 m <sup>3</sup>
Out	0.0 m
Slope Protection	0.0 m
Enbankment	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Prevent	0.0 m
Carriageway	3.60 m
Surface	4.20 m
Base Course	2.40 m

**[A2] STA. 0+400**  
 GH=147.66  
 FH=150.294



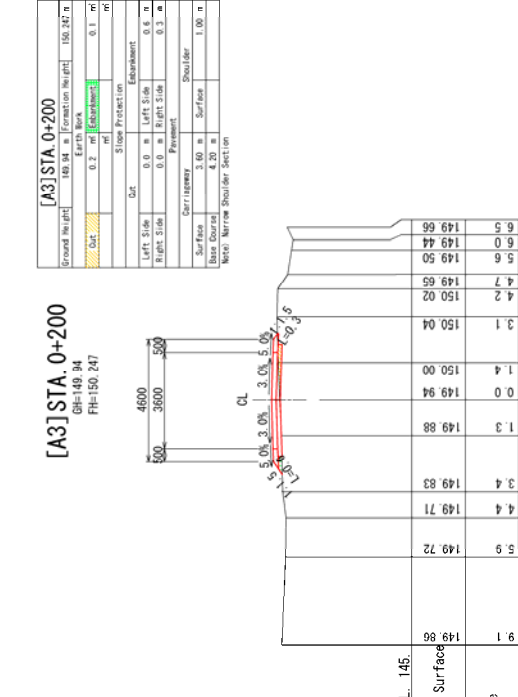
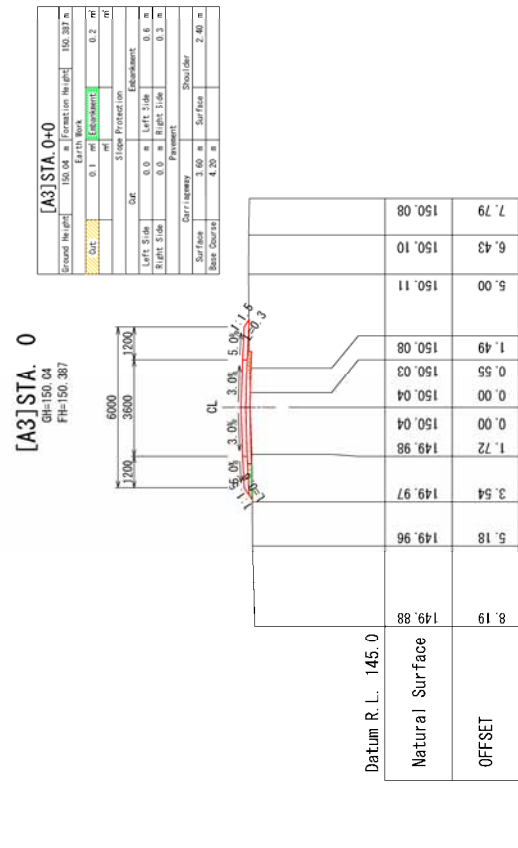
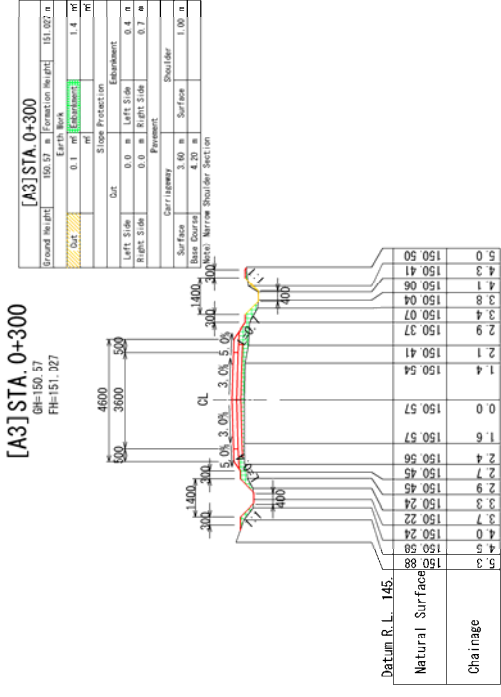
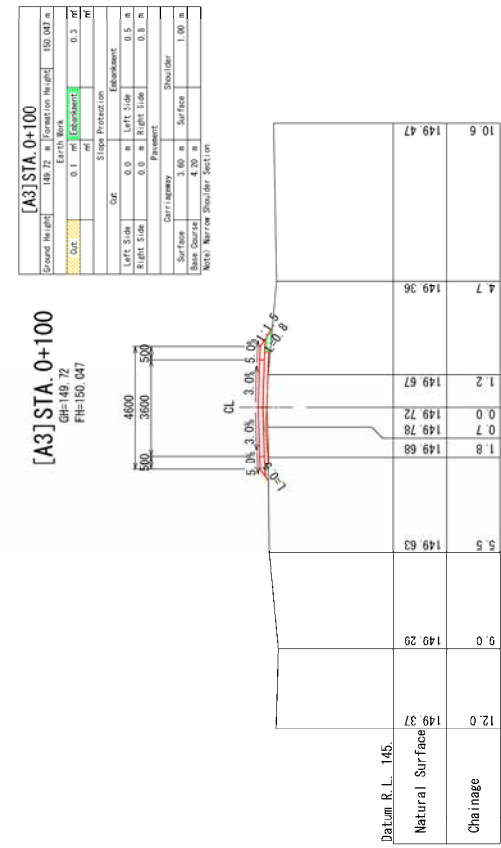
<b>[A2] STA. 0+580</b>	
Ground Height	149.95 m
Formation Height	150.294 m
Earth Work	0.0 m <sup>3</sup>
Excavation	0.0 m <sup>3</sup>
Fill	0.0 m <sup>3</sup>
Out	0.0 m
Slope Protection	0.0 m
Enbankment	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Prevent	0.0 m
Carriageway	3.60 m
Surface	4.20 m
Base Course	2.40 m

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



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				CROSS SECTION (9/12) STA.0+400 ~ STA.0+580		DATE	OCT. 2020	PAGE NO.	19 / 49		

# CROSS SECTION (10/12)

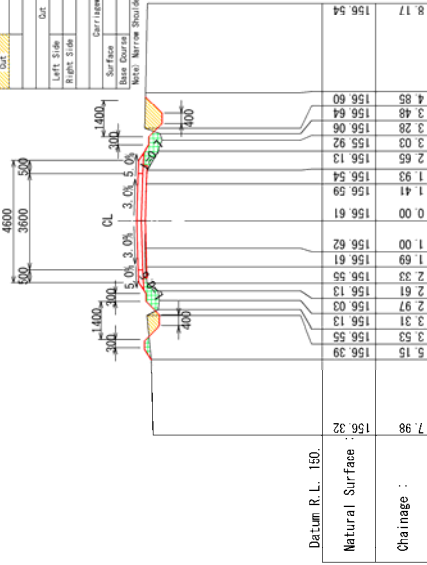


THE REPUBLIC OF THE UNION OF MYANMAR	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract		SHEET CONTENTS		SCALE	S=1:200
		CHIN STATE		Route Zo Zang Road A3		CROSS SECTION (10/12) STA. 0+0 ~ STA. 0+300		DATE	OCT. 2020
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# CROSS SECTION (11/12)

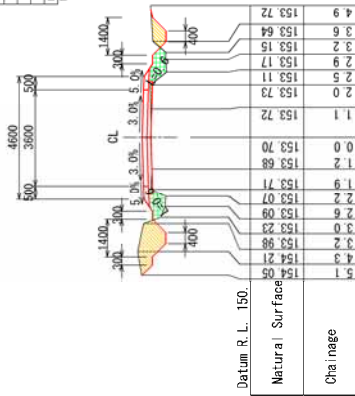
[A3] STA. 0+700  
GH=156.81  
FH=156.337

Ground Height	156.81 m	Formation Height	156.932 m
Earth Work	0.9 m	Embankment	1.8 m
Slope Protection			
Out			
Left Side	0.0 m	Left Side	0.5 m
Right Side	0.0 m	Right Side	0.7 m
Prevent			
Surface	3.60 m	Shoulder	1.00 m
Base Course	4.20 m	Surface	1.00 m
Note	Narrow Shoulder Section		



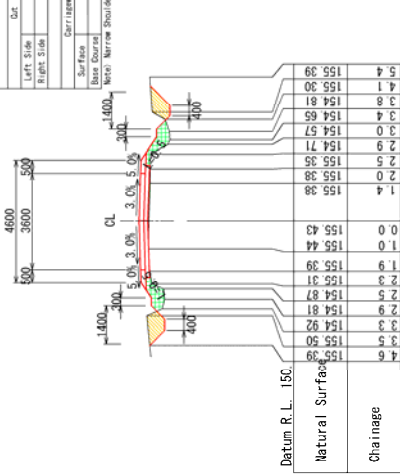
Ground Height	155.70 m	Formation Height	154.039 m
Earth Work	1.8 m	Embankment	1.1 m
Slope Protection			
Out			
Left Side	0.0 m	Left Side	0.6 m
Right Side	0.0 m	Right Side	0.6 m
Prevent			
Surface	3.60 m	Shoulder	1.00 m
Base Course	4.20 m	Surface	1.00 m
Note	Narrow Shoulder Section		

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



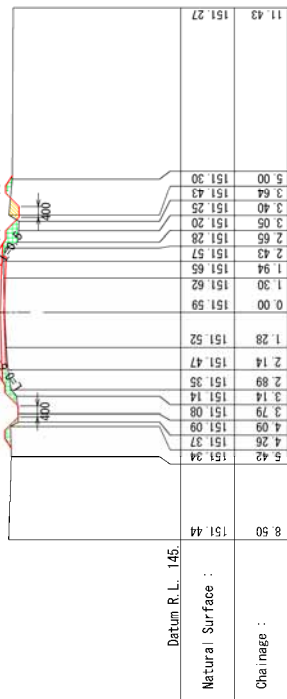
[A3] STA. 0+600  
GH=155.43  
FH=155.787

Ground Height	155.43 m	Formation Height	155.792 m
Earth Work	1.1 m	Embankment	1.2 m
Slope Protection			
Out			
Left Side	0.0 m	Left Side	0.6 m
Right Side	0.0 m	Right Side	1.1 m
Prevent			
Surface	3.60 m	Shoulder	1.00 m
Base Course	4.20 m	Surface	1.00 m
Note	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	Embankment	1.1 m
Slope Protection			
Out			
Left Side	0.0 m	Left Side	0.5 m
Right Side	0.0 m	Right Side	0.5 m
Prevent			
Surface	3.60 m	Shoulder	1.00 m
Base Course	4.20 m	Surface	1.00 m
Note	Narrow Shoulder Section		



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		Route Zo Zang Road A3		Route Zo Zang Road A3		CROSS SECTION (11/12) STA.0+400 ~ STA.0+700		DATE	OCT. 2020
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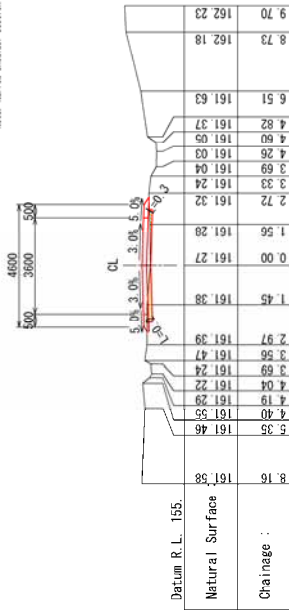


# CROSS SECTION (12/12)

[A3] STA. 0+900

GH=161.27  
FH=161.577

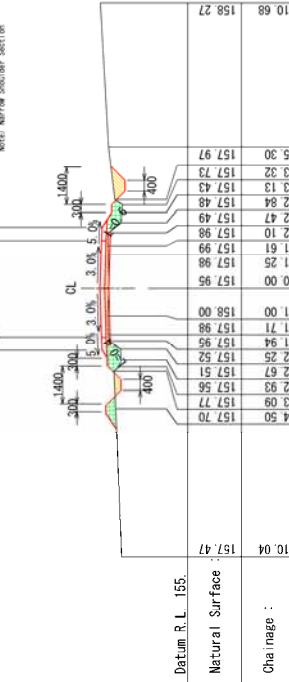
Ground Height	161.27 m	Formation Height	161.527 m
Earth Work	0.6 m	Excavation	0.0 m
Cut	0.6 m	Slope Protection	0.0 m
Left Side	0.0 m	Left Side	0.2 m
Right Side	0.0 m	Right Side	0.3 m
Shoulder	1.00 m	Shoulder	1.00 m
Base Course	4.20 m	Surface	4.20 m



[A3] STA. 0+800

GH=157.95  
FH=158.287

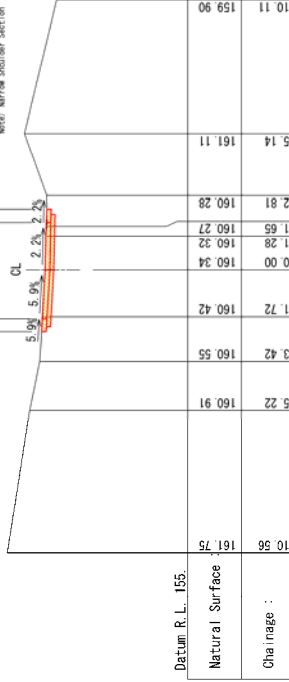
Ground Height	157.95 m	Formation Height	158.287 m
Earth Work	1.0 m	Excavation	1.2 m
Cut	1.0 m	Slope Protection	0.0 m
Left Side	0.0 m	Left Side	0.4 m
Right Side	0.0 m	Right Side	0.6 m
Shoulder	1.00 m	Shoulder	1.00 m
Base Course	4.20 m	Surface	4.20 m



[A3] STA. 0+940

GH=160.34  
FH=160.339

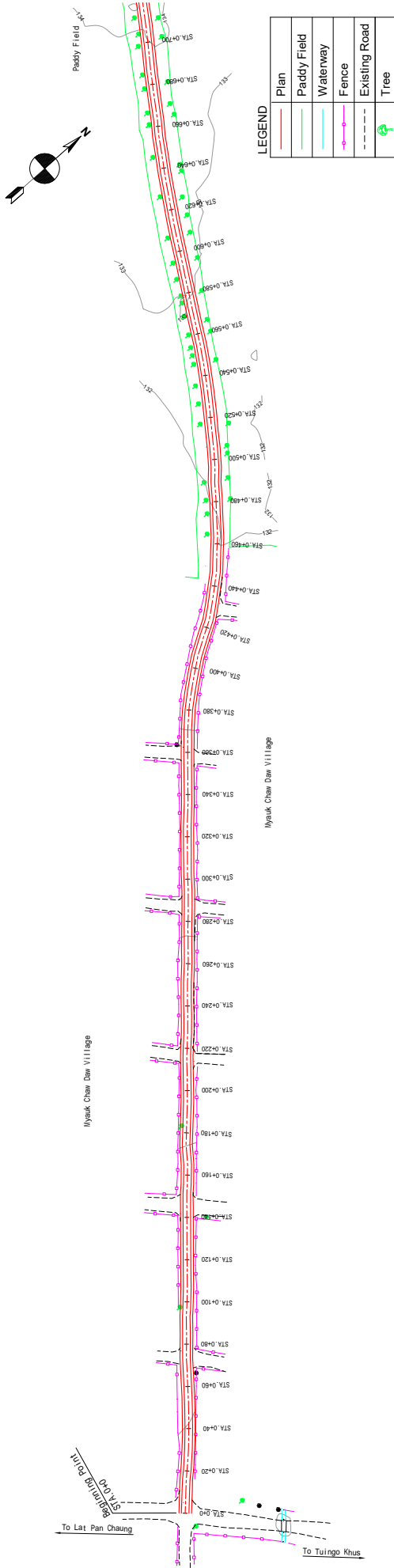
Ground Height	160.34 m	Formation Height	160.339 m
Earth Work	1.4 m	Excavation	0.0 m
Cut	1.4 m	Slope Protection	0.0 m
Left Side	0.0 m	Left Side	0.0 m
Right Side	0.0 m	Right Side	0.0 m
Shoulder	1.00 m	Shoulder	1.00 m
Base Course	4.20 m	Surface	4.20 m



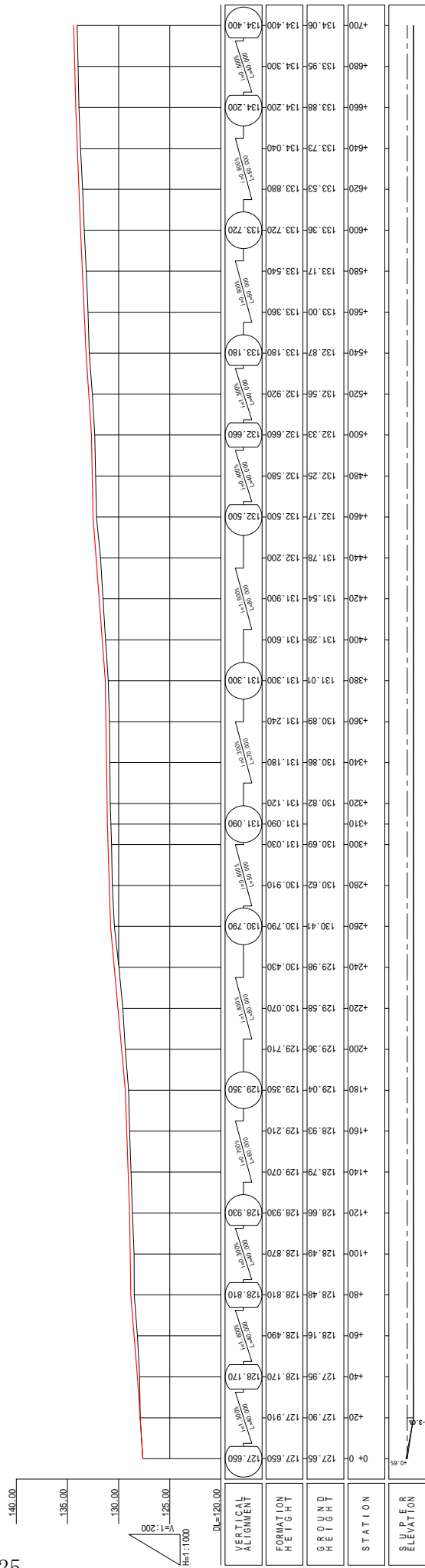
THE REPUBLIC OF THE UNION OF MYANMAR	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Dolluang Village Tract Route Zo Zang Road A3	SHEET CONTENTS		
				CROSS SECTION (12/12) STA.0+700 ~ STA.0+940	SCALE S=1:200	DATE OCT. 2020
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# PLAN & PROFILE (1/7)

PLAN S=1:1000



PROFILE V=1:200  
H=1:1000

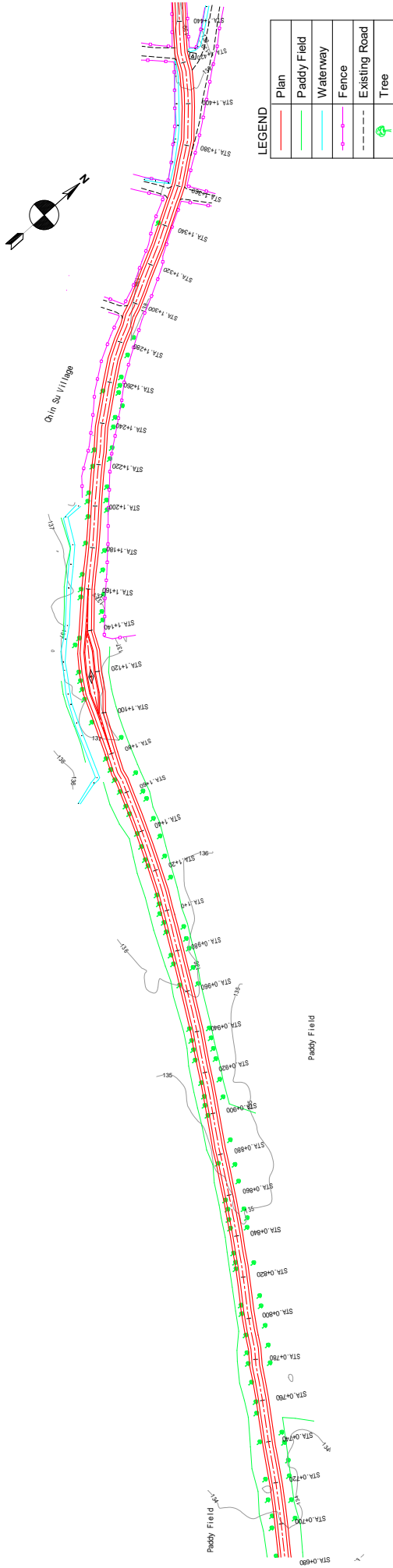


A4-25

	THE REPUBLIC OF THE UNION OF MYANMAR		JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Dolluang Village Tract Route Zo Nuan Zang	SHEET CONTENTS PLAN & PROFILE (1/7) STA.0+0 ~ STA.0+700	SCALE V=1:200 H=1:1000	V=1:200 H=1:1000
	CHIN STATE		PAGE NO. 23 / 49	DATE OCT. 2020				

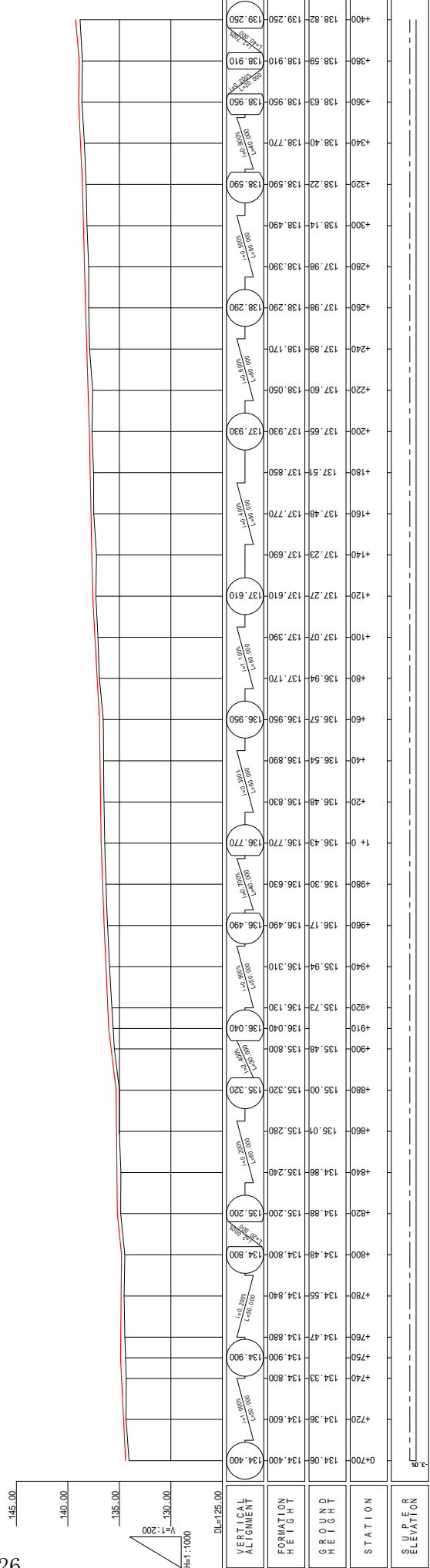
# PLAN & PROFILE (2/7)

PLAN S=1:1000



PROFILE V=1:200  
H=1:1000

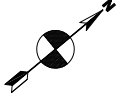
A4-26



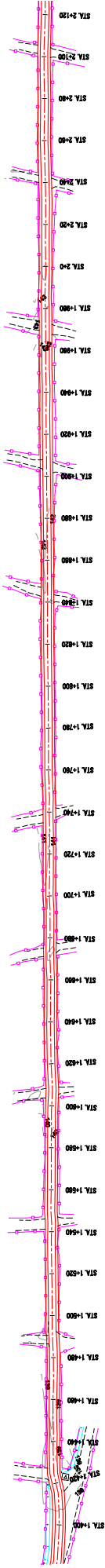
	THE REPUBLIC OF THE UNION OF MYANMAR		JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Dolluang Village Tract Route Zo Nuan Zang	SHEET CONTENTS PLAN & PROFILE (2/7) STA.0+700 ~ STA.1+400	SCALE DATE	V=1:200 H=1:1000 OCT. 2020
	CHIN STATE		PAGE NO. 24 / 49					

# PLAN & PROFILE (3/7)

PLAN S=1:1000



Chin Su Village

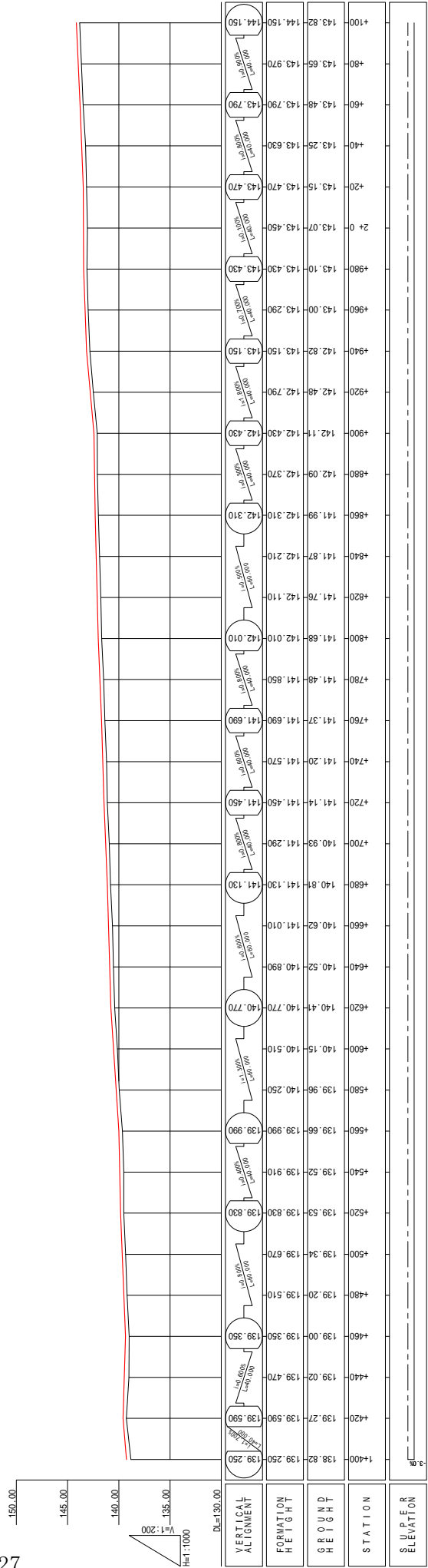


LEGEND

	Plan
	Paddy Field
	Waterway
	Fence
	Existing Road
	Tree

Chin Su Village

PROFILE V=1:200  
H=1:1000

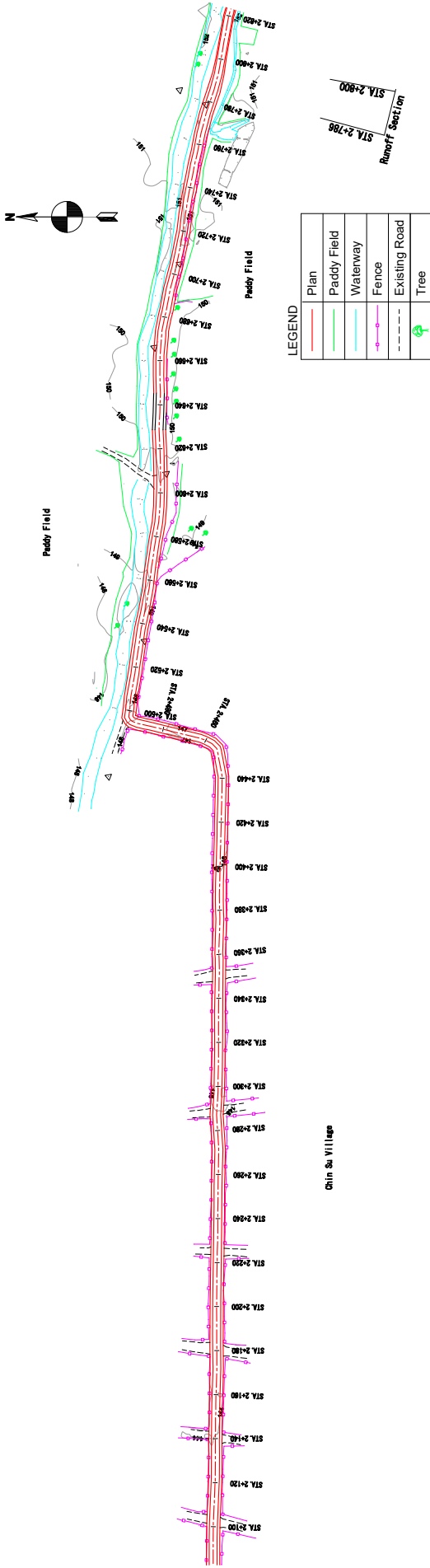


A4-27

THE REPUBLIC OF THE UNION OF MYANMAR  CHIN STATE	JAPAN INTERNATIONAL COOPERATION AGENCY YACHYOI ENGINEERING CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Dollyuang Village Tract  Route Zo Nuan Zang	SHEET CONTENTS	
				PLAN & PROFILE (3/7) STA.2+100 ~ STA.2+800	SCALE DATE PAGE NO.
				V=1:200 H=1:1000	OCT. 2020 25 / 49

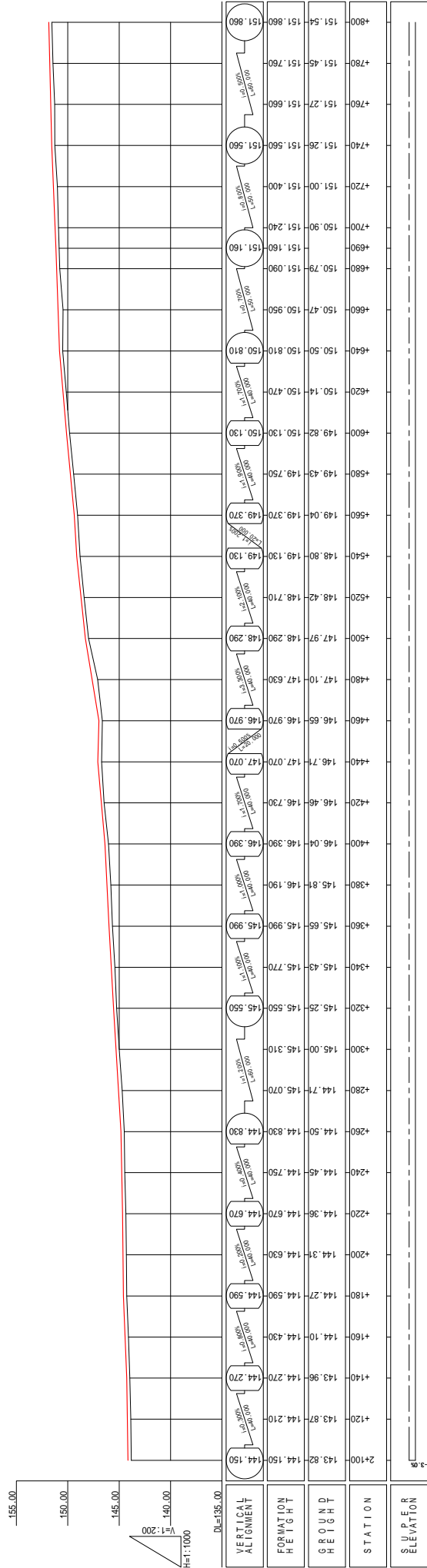
# PLAN & PROFILE (4/7)

PLAN S=1:1000



# PROFILE

V=1:200  
H=1:1000

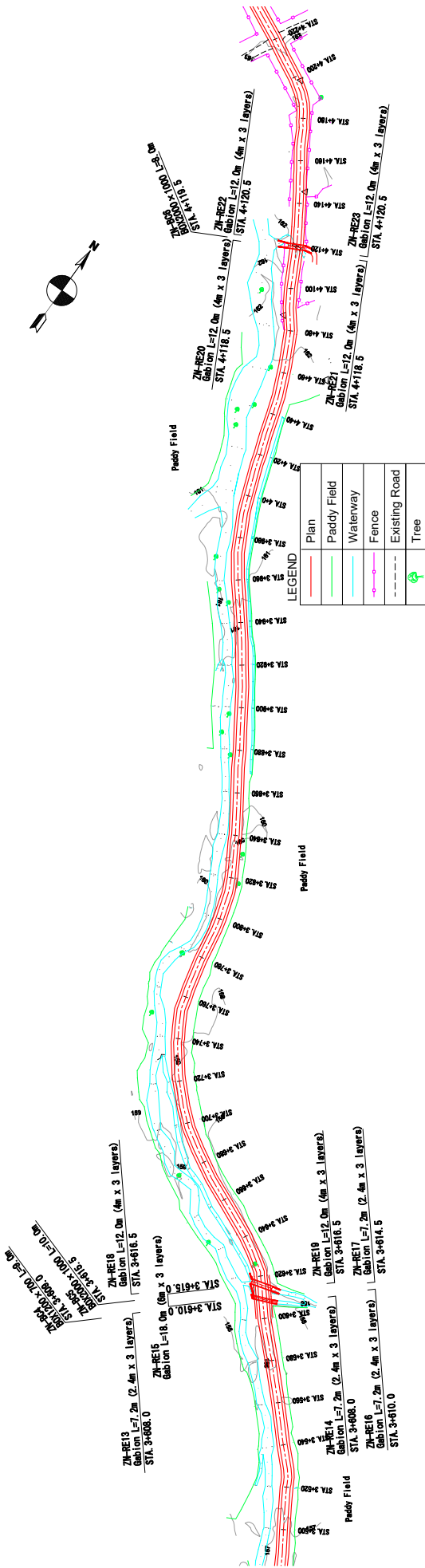


	THE REPUBLIC OF THE UNION OF MYANMAR		JAPAN INTERNATIONAL COOPERATION AGENCY YACHYO ENGINEERING CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Dolluang Village Tract Route Zo Nuan Zang	SHEET CONTENTS PLAN & PROFILE (4/7) STA.2+800 ~ STA.3+500	SCALE V=1:200 H=1:1000	DATE OCT. 2020	PAGE NO. 26 / 49
	CHIN STATE								



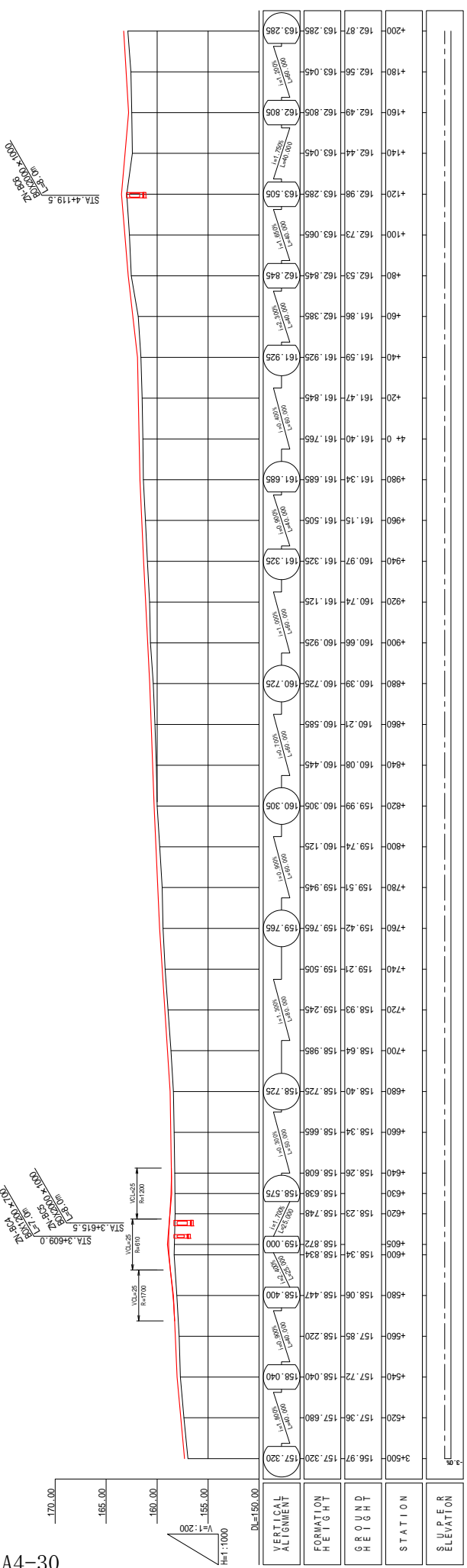
# PLAN & PROFILE (6/7)

PLAN S=1:1000



# PROFILE

V=1:200  
H=1:1000



	THE REPUBLIC OF THE UNION OF MYANMAR	 	JAPAN INTERNATIONAL COOPERATION AGENCY YACHYOI ENGINEERING CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Dolluang Village Tract Route Zo Nuan Zang	SHEET CONTENTS PLAN & PROFILE (6/7) STA.3+500 ~ STA.4+200	SCALE V=1:200 H=1:1000	DATE OCT. 2020	PAGE NO. 28 / 49
	CHIN STATE								

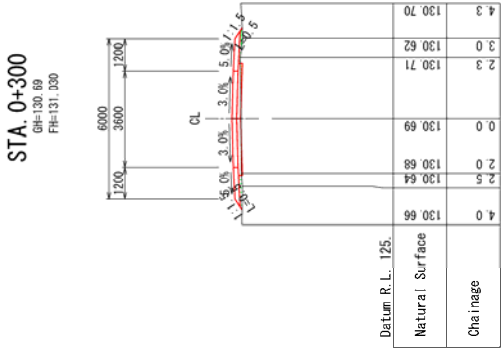




# CROSS SECTION (1/12)

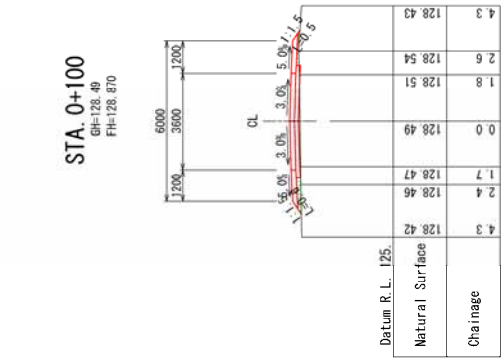
**STA. 0+100**  
GH=128.49  
FH=128.870

Ground Height	128.49 m	Formation Height	128.870 m
Earth Work	0.0 m <sup>3</sup>	Embankment	0.8 m <sup>3</sup>
Out	0.1 m	Protection	0.2 m
Out	0.1 m	Protection	0.2 m
Left Side	0.0 m	Left Side	0.6 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



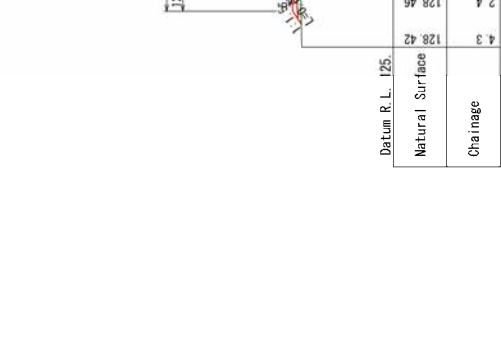
**STA. 0+200**  
GH=129.36  
FH=129.710

Ground Height	129.36 m	Formation Height	129.710 m
Earth Work	0.0 m <sup>3</sup>	Embankment	0.5 m <sup>3</sup>
Out	0.1 m	Protection	0.2 m
Out	0.1 m	Protection	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	Shoulder	2.40 m



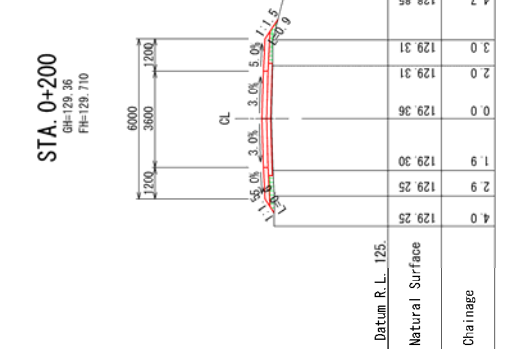
**STA. 0+300**  
GH=130.69  
FH=131.100

Ground Height	130.69 m	Formation Height	131.020 m
Earth Work	0.0 m <sup>3</sup>	Embankment	0.8 m <sup>3</sup>
Out	0.1 m	Protection	0.2 m
Out	0.1 m	Protection	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	Shoulder	2.40 m



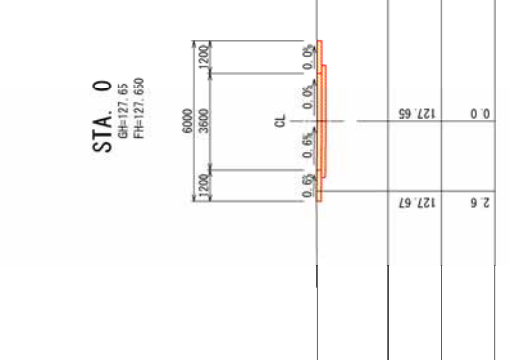
**STA. 0+0**  
GH=127.65  
FH=127.650

Ground Height	127.65 m	Formation Height	127.650 m
Earth Work	1.7 m <sup>3</sup>	Embankment	0.0 m <sup>3</sup>
Out	1.7 m	Protection	0.0 m
Out	1.7 m	Protection	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	Shoulder	2.40 m



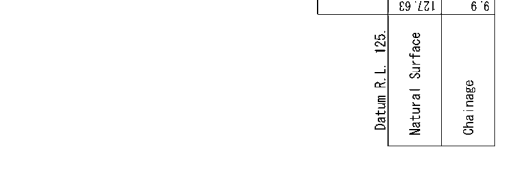
**STA. 0+100**  
GH=128.49  
FH=128.870

Ground Height	128.49 m	Formation Height	128.870 m
Earth Work	0.0 m <sup>3</sup>	Embankment	0.8 m <sup>3</sup>
Out	0.1 m	Protection	0.2 m
Out	0.1 m	Protection	0.2 m
Left Side	0.0 m	Left Side	0.6 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. 0+200**  
GH=129.36  
FH=129.710

Ground Height	129.36 m	Formation Height	129.710 m
Earth Work	0.0 m <sup>3</sup>	Embankment	0.5 m <sup>3</sup>
Out	0.1 m	Protection	0.2 m
Out	0.1 m	Protection	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	Shoulder	2.40 m

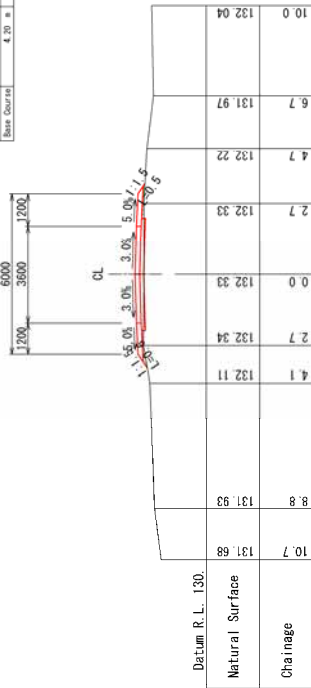


THE REPUBLIC OF THE UNION OF MYANMAR	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract		SCALE S=1:200
		FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Zo Nuan Zang Route		
CHIN STATE		SHEET CONTENTS		CROSS SECTION (1/12) STA.0+0 ~ STA.0+300		PAGE NO. 30 / 49

# CROSS SECTION (2/12)

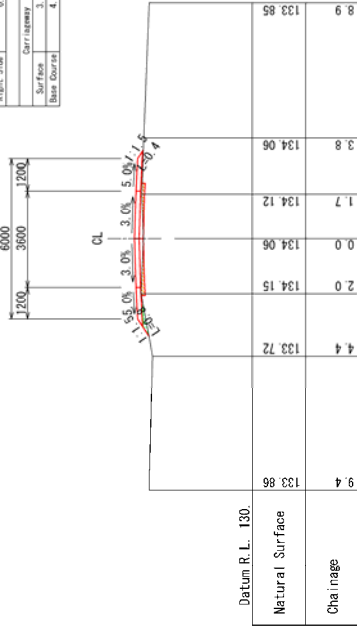
<b>STA. 0+500</b>	
Ground Height	132.33 m
Formation Height	132.600 m
Earth Work	0.27 m <sup>3</sup>
Out	0.2 m <sup>3</sup>
Earthwork	0.2 m <sup>3</sup>
Out	0.2 m <sup>3</sup>
Left Side	0.0 m
Right Side	0.0 m
Left Side	0.6 m
Right Side	0.5 m
Surface	3.60 m
Shoulder	2.40 m
Base Course	4.20 m

**STA. 0+500**  
GH=132.33  
FH=132.600



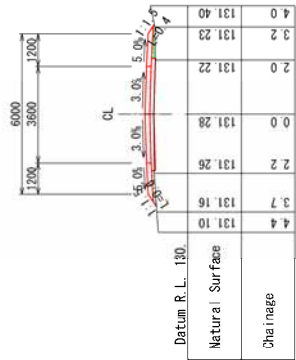
<b>STA. 0+700</b>	
Ground Height	134.06 m
Formation Height	134.400 m
Earth Work	0.2 m <sup>3</sup>
Out	0.2 m <sup>3</sup>
Earthwork	0.1 m <sup>3</sup>
Out	0.1 m <sup>3</sup>
Left Side	0.0 m
Right Side	0.0 m
Left Side	0.8 m
Right Side	0.4 m
Surface	3.60 m
Shoulder	2.40 m
Base Course	4.20 m

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



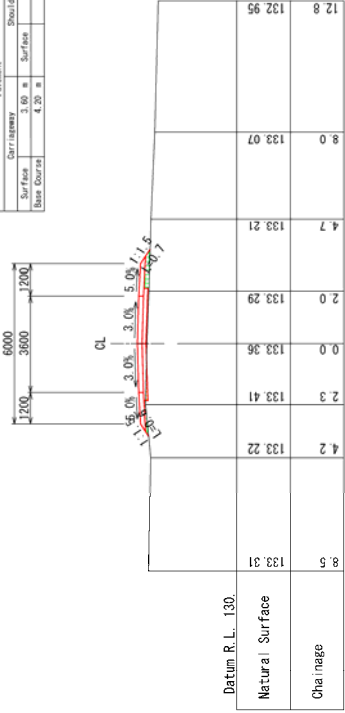
<b>STA. 0+400</b>	
Ground Height	131.28 m
Formation Height	131.600 m
Earth Work	0.1 m <sup>3</sup>
Out	0.1 m <sup>3</sup>
Earthwork	0.4 m <sup>3</sup>
Out	0.4 m <sup>3</sup>
Left Side	0.0 m
Right Side	0.0 m
Left Side	0.6 m
Right Side	0.4 m
Surface	3.60 m
Shoulder	2.40 m
Base Course	4.20 m

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



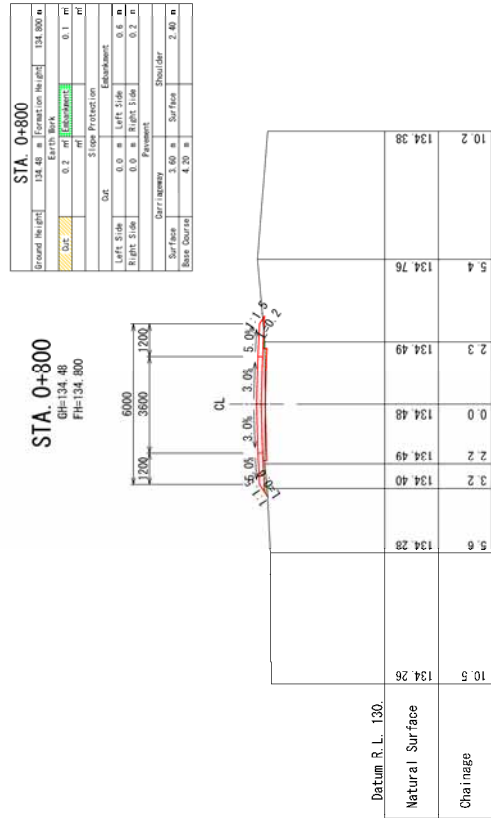
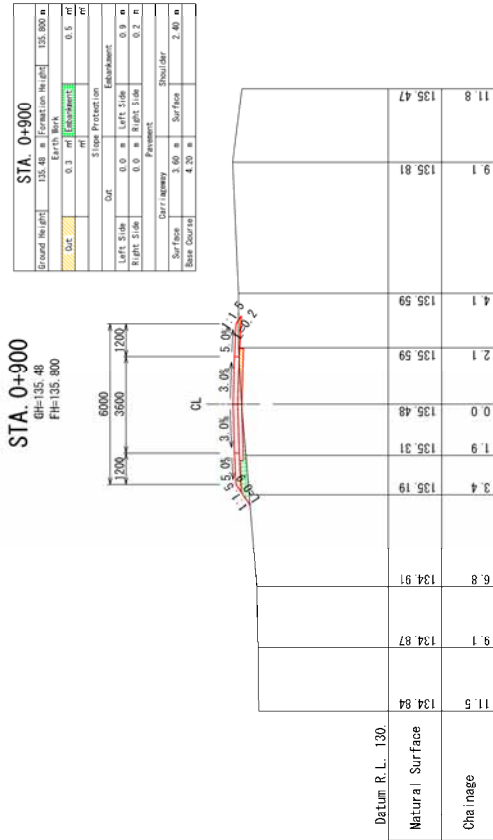
<b>STA. 0+600</b>	
Ground Height	133.36 m
Formation Height	133.700 m
Earth Work	0.1 m <sup>3</sup>
Out	0.1 m <sup>3</sup>
Earthwork	0.4 m <sup>3</sup>
Out	0.4 m <sup>3</sup>
Left Side	0.0 m
Right Side	0.0 m
Left Side	0.6 m
Right Side	0.7 m
Surface	3.60 m
Shoulder	2.40 m
Base Course	4.20 m

**STA. 0+600**  
GH=133.36  
FH=133.700



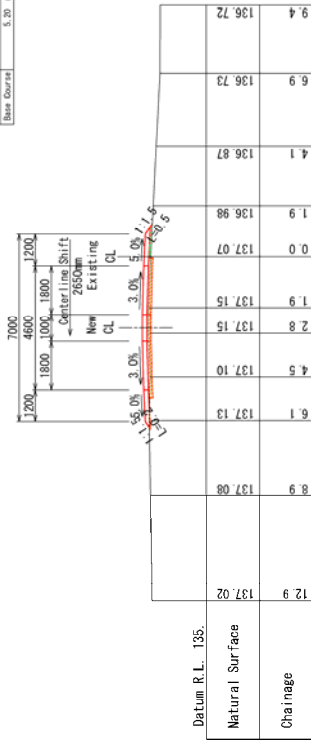
THE REPUBLIC OF THE UNION OF MYANMAR	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract		SCALE S=1:200
		RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Route Zo Nuan Zang		
CHIN STATE		SHEET CONTENTS		CROSS SECTION (2/12) STA.0+400 ~ STA.0+700		DATE OCT. 2020
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# CROSS SECTION (3/12)



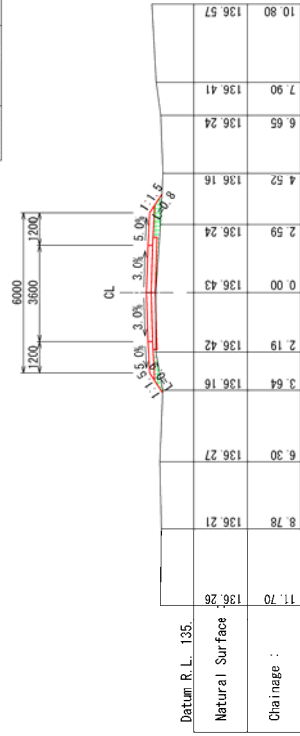
**STA. 1+100**  
 GH=137.07  
 FH=137.390

Ground Height	137.07 m	Formation Height	137.390 m
Earth Bank	0.4 m	Excavation	0.3 m
Out		Slope Protection	0.3 m
Left Side	0.0 m	Left Side	0.2 m
Right Side	0.0 m	Right Side	0.5 m
Shoulder	3.40 m		
Surface	5.20 m	Surface	3.40 m
Base Course	5.20 m	Base Course	3.40 m



**STA. 1+0**  
 GH=136.43  
 FH=136.770

Ground Height	136.43 m	Formation Height	136.770 m
Earth Bank	0.0 m	Excavation	0.3 m
Out		Slope Protection	0.3 m
Left Side	0.0 m	Left Side	0.9 m
Right Side	0.0 m	Right Side	0.8 m
Shoulder	2.40 m		
Surface	3.60 m	Surface	2.40 m
Base Course	4.20 m	Base Course	2.40 m



THE PROJECT FOR		SHEET CONTENTS		SCALE	
RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		CROSS SECTION (3/12)		DATE	
JAPAN INTERNATIONAL COOPERATION AGENCY		STA.0+800 ~ STA.1+100		OCT. 2020	
YACHIYO ENGINEERING CO., LTD.		Route Zo Nuan Zang		PAGE NO.	
THE REPUBLIC OF THE UNION OF MYANMAR		Dolluang Village Tract		S=1:200	
CHIN STATE		Route Zo Nuan Zang		32 / 49	

# CROSS SECTION (4/12)

<b>STA. 1+300</b>	
Ground Height	138.14 m
Formation Height	138.400 m
Earth Work	0.0 m
Excavation	0.0 m
Fill	0.0 m
Out	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Shoulder	2.40 m
Base Course	4.20 m

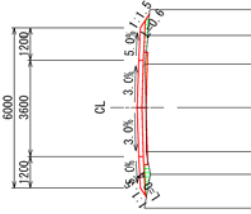
**STA. 1+300**  
 GH=138.14  
 FH=138.490



Datum R. L. 135.	
Natural Surface	5.8
Chainage	137.75
	3.4
	1.9
	1.9
	0.0
	1.9
	1.9
	3.8
	4.8

<b>STA. 1+500</b>	
Ground Height	139.34 m
Formation Height	139.679 m
Earth Work	0.1 m
Excavation	0.0 m
Fill	0.1 m
Out	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Shoulder	2.40 m
Base Course	4.20 m

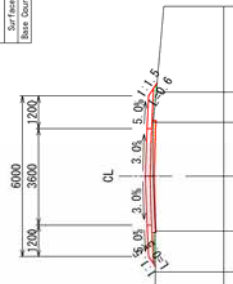
**STA. 1+500**  
 GH=139.34  
 FH=139.570



Datum R. L. 135.	
Natural Surface	3.7
Chainage	139.20
	2.7
	1.6
	1.6
	0.0
	1.6
	1.6
	2.5
	3.8

<b>STA. 1+200</b>	
Ground Height	137.65 m
Formation Height	137.930 m
Earth Work	0.2 m
Excavation	0.0 m
Fill	0.2 m
Out	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Shoulder	2.40 m
Base Course	4.20 m

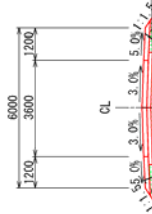
**STA. 1+200**  
 GH=137.65  
 FH=137.930



Datum R. L. 135.	
Natural Surface	6.3
Chainage	137.25
	3.1
	2.0
	2.0
	0.0
	2.0
	2.0
	3.58
	6.00
	6.66
	8.03
	8.72
	9.38

<b>STA. 1+400</b>	
Ground Height	138.82 m
Formation Height	139.259 m
Earth Work	0.0 m
Excavation	0.0 m
Fill	0.0 m
Out	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Shoulder	2.40 m
Base Course	4.20 m

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



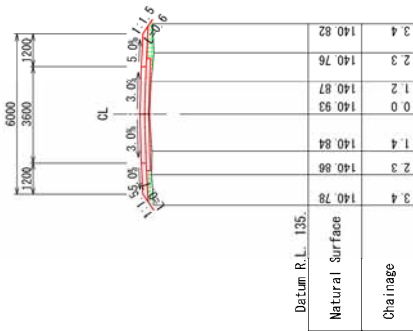
Datum R. L. 135.	
Natural Surface	7.9
Chainage	138.81
	6.6
	4.1
	2.5
	1.3
	1.3
	0.0
	2.4
	3.9
	4.4
	5.1
	5.6
	6.0
	6.4

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		DATE	OCT. 2020			PAGE NO.	33 / 49

# CROSS SECTION (5/12)

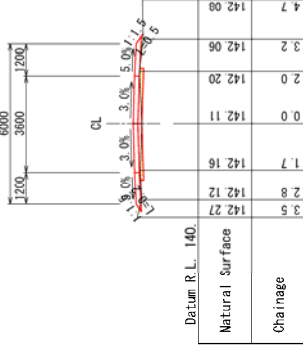
**STA. 1+700**  
 GH=140.53  
 FH=141.290

Ground Height	140.53 m	Formation Height	141.290 m
Earth Work	0.0 m	Excavation	0.0 m
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	0.6 m
Surface	3.60 m	Shoulder	2.40 m
Base Course	4.20 m		



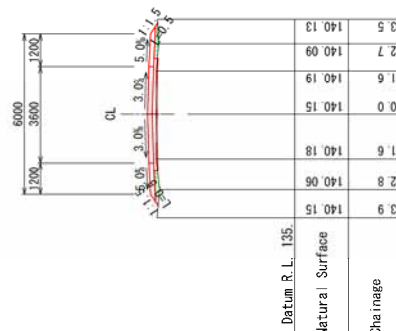
**STA. 1+900**  
 GH=142.11  
 FH=142.430

Ground Height	142.11 m	Formation Height	142.430 m
Earth Work	0.3 m	Excavation	0.1 m
Out	0.0 m	Slope Protection	0.0 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	Shoulder	2.40 m
Base Course	4.20 m		



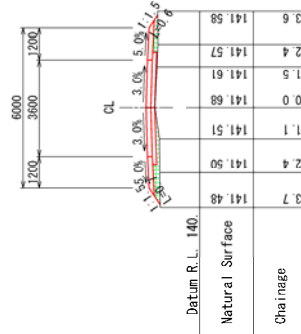
**STA. 1+600**  
 GH=140.15  
 FH=140.510

Ground Height	140.15 m	Formation Height	140.510 m
Earth Work	0.0 m	Excavation	0.0 m
Out	0.0 m	Slope Protection	0.0 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	Shoulder	2.40 m
Base Course	4.20 m		



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

Ground Height	141.68 m	Formation Height	142.010 m
Earth Work	0.0 m	Excavation	0.0 m
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	0.6 m
Surface	3.60 m	Shoulder	2.40 m
Base Course	4.20 m		

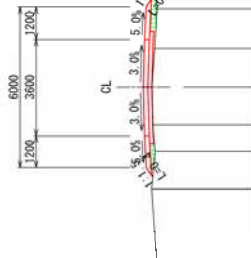


THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		SHEET CONTENTS		SCALE	S=1:200
		Dolluang Village Tract		CROSS SECTION (5/12)		DATE	OCT. 2020
		Route Zo Nuan Zang		STA.1+600 ~ STA.1+900		PAGE NO.	34 / 49

# CROSS SECTION (6/12)

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

Ground Height	143.82 m	Formation Height	144.150 m
Earth Bank	0.0 m	Earthwork	0.3 m
Out	0.3 m	Slope Protection	0.0 m
Out	0.0 m	Embankment	0.4 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	Shoulder	2.40 m

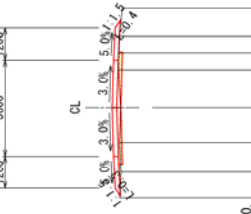


Datum R. L. 140.

Natural Surface	143.64	143.71	143.82	143.82	143.82	143.80	143.70	143.84	143.84	143.64
Chainage	6.5	6.0	2.9	0.0	0.0	1.4	2.4	3.8	3.8	10.2

**STA. 2+300**  
 GH=145.30  
 FH=145.310

Ground Height	145.00 m	Formation Height	145.310 m
Earth Bank	0.0 m	Earthwork	0.3 m
Out	0.3 m	Slope Protection	0.0 m
Out	0.0 m	Embankment	0.3 m
Left Side	0.0 m	Left Side	0.3 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

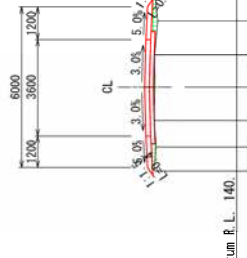


Datum R. L. 140.

Natural Surface	145.00	145.04	145.07	145.07	145.07	145.07	145.07	145.07	145.07	144.93
Chainage	3.4	2.4	1.3	0.0	0.0	1.4	2.1	2.7	3.7	

**STA. 2+0**  
 GH=143.07  
 FH=143.450

Ground Height	143.07 m	Formation Height	143.450 m
Earth Bank	0.0 m	Earthwork	0.3 m
Out	0.3 m	Slope Protection	0.0 m
Out	0.0 m	Embankment	0.4 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	Shoulder	2.40 m

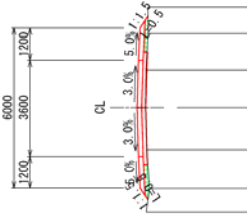


Datum R. L. 140.

Natural Surface	143.09	143.02	143.10	143.07	143.07	142.96	143.08	143.08	143.08	143.08
Chainage	3.1	2.2	1.2	1.2	0.0	2.5	3.6	3.6	3.6	

**STA. 2+200**  
 GH=144.31  
 FH=144.530

Ground Height	144.31 m	Formation Height	144.530 m
Earth Bank	0.1 m	Earthwork	0.4 m
Out	0.4 m	Slope Protection	0.0 m
Out	0.0 m	Embankment	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



Datum R. L. 140.

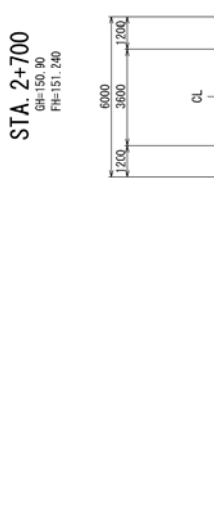
Natural Surface	144.29	144.16	144.27	144.31	144.30	144.22	144.22	144.22	144.22
Chainage	3.9	3.0	1.5	0.0	1.4	2.8	3.8	3.8	

THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Dolluang Village Tract Route Zo Nuan Zang	SHEET CONTENTS		SCALE	S=1:200
					CROSS SECTION (6/12) STA.2+0 ~ STA.2+300		DATE	OCT. 2020
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# CROSS SECTION (7/12)

**STA. 2+500**  
GH=147.57  
FH=148.290

Ground Height	147.97 m	Formation Height	148.290 m
Earth Work	0.0 m	Excavation	0.2 m
Out	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



Datum R.L. 145.

Natural Surface	11.0	148.74	9.1	148.65	7.8	147.18	7.2	147.58	6.6	148.01	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
Chainage																								

**STA. 2+500**  
GH=147.57  
FH=148.290

Ground Height	147.97 m	Formation Height	148.290 m
Earth Work	0.0 m	Excavation	0.2 m
Out	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

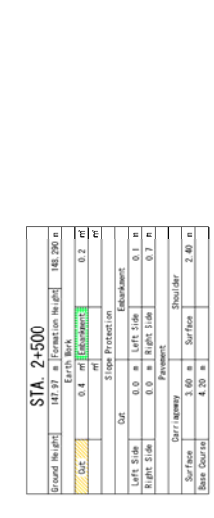


Datum R.L. 145.

Natural Surface	11.0	148.74	9.1	148.65	7.8	147.18	7.2	147.58	6.6	148.01	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
Chainage																								

**STA. 2+700**  
GH=150.90  
FH=151.240

Ground Height	150.90 m	Formation Height	151.240 m
Earth Work	0.0 m	Excavation	1.5 m
Out	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
Chainage																														

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

Ground Height	146.04 m	Formation Height	146.390 m
Earth Work	0.1 m	Excavation	0.8 m
Out	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



Datum R.L. 145.

Natural Surface	3.1	145.90	2.9	145.98	1.5	146.01	0.0	146.04	1.4	146.10	2.2	146.00	3.1	145.90	3.1	145.90	3.1	145.90	3.1	145.90	3.1	145.90	3.1	145.90	3.1	145.90	3.1	145.90	3.1	145.90	3.1	145.90
Chainage																																

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

Ground Height	149.82 m	Formation Height	150.130 m
Earth Work	0.0 m	Excavation	0.6 m
Out	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	8.2	149.64	13.9	149.51
Chainage																																

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

Ground Height	149.82 m	Formation Height	150.130 m
Earth Work	0.0 m	Excavation	0.6 m
Out	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.

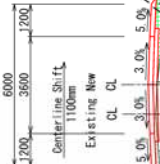
Natural Surface	14.4	149.51	12.6	149.52	11.2	147.74	9.1	147.71	7.6	147.91	6.2	149.61	3.4	149.77	2.7	149.65	1.1	149.78	0.0	149.82	1.5	149.66	3.4	149.60	5.7	149.76	7.5	150.19	8.2	149.64	13.9	149.51
Chainage																																

THE REPUBLIC OF THE UNION OF MYANMAR	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Dolluang Village Tract Route Zo Nuan Zang	SHEET CONTENTS		SCALE S=1:200
				CROSS SECTION (7/12) STA.2+400 ~ STA.2+700		
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# CROSS SECTION (8/12)

<b>STA. 2+900</b>	
Ground Height	152.72 m
Formation Height	153.000 m
Earth Work	0.0 m
Out	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Surface	3.60 m
Base Course	4.20 m

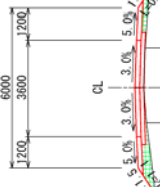
**STA. 2+900**  
 GH=152.73  
 FH=153.000



Datum R.L. 150.	10.2	152.42	7.2	152.44	6.5	152.53	6.7	151.73	5.0	151.65	4.2	151.63	3.4	152.36	2.4	152.59	1.4	152.69	0.0	152.78	1.2	152.73	3.1	152.50	5.6	152.71	9.6	152.64	13.0	152.66
Natural Surface																														
Chainage																														

<b>STA. 3+100</b>	
Ground Height	154.36 m
Formation Height	154.000 m
Earth Work	0.0 m
Out	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Surface	3.60 m
Base Course	4.20 m

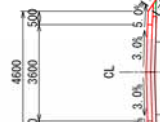
**STA. 3+100**  
 GH=154.36  
 FH=154.000



Datum R.L. 150.	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	6.6	153.80	7.0	154.15	7.2	154.47	8.9	153.90	11.2	153.85
Natural Surface																																
Chainage																																

<b>STA. 2+800</b>	
Ground Height	151.54 m
Formation Height	151.000 m
Earth Work	0.0 m
Out	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Surface	3.60 m
Base Course	4.20 m

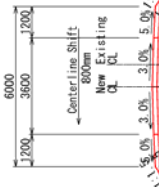
**STA. 2+800**  
 GH=151.54  
 FH=151.000



Datum R.L. 150.	11.7	151.86	9.9	151.47	9.0	150.54	6.2	150.87	5.0	151.76	3.5	151.45	1.6	151.49	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
Natural Surface																												
Chainage																												

<b>STA. 3+0</b>	
Ground Height	153.74 m
Formation Height	154.000 m
Earth Work	0.1 m
Out	0.1 m
Left Side	0.0 m
Right Side	0.0 m
Surface	3.60 m
Base Course	4.20 m

**STA. 3**  
 GH=153.74  
 FH=154.000

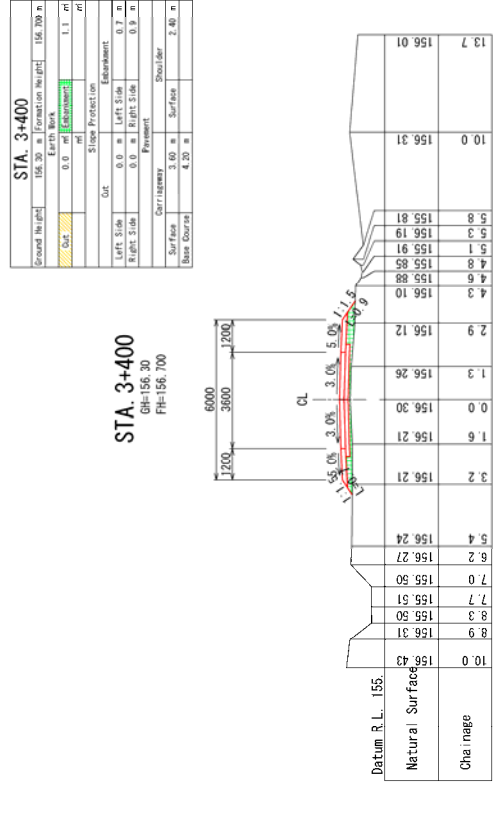
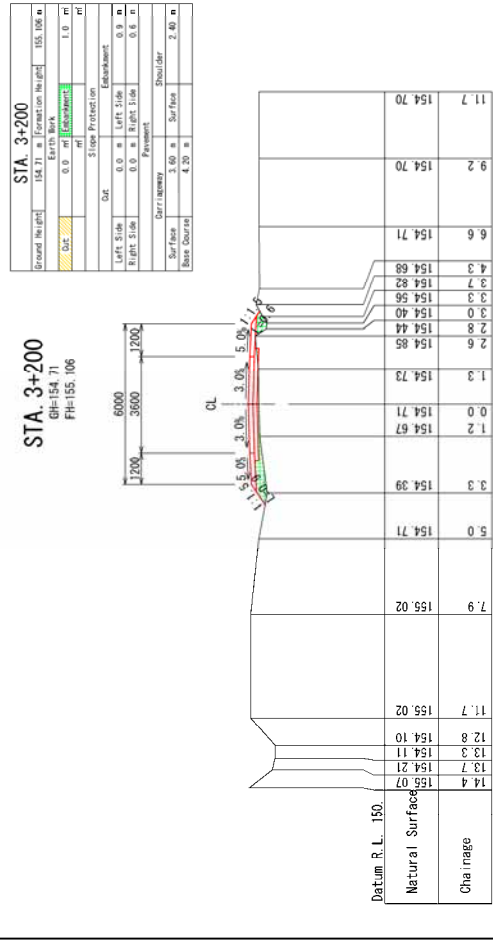
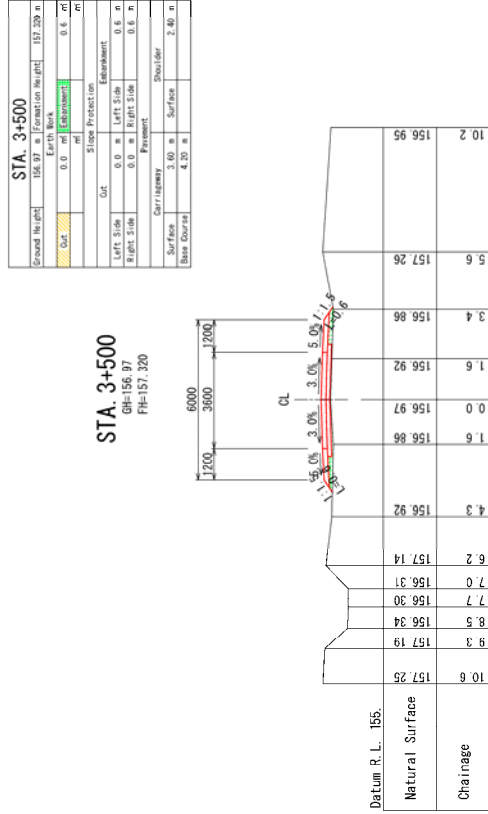
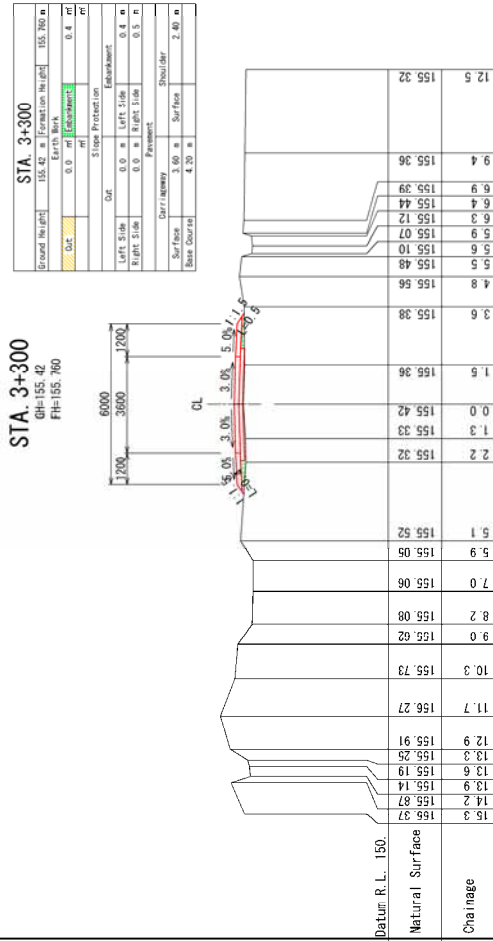


Datum R.L. 150.	13.0	153.85	11.9	153.91	10.7	153.44	9.4	152.37	8.4	152.32	7.4	152.40	6.5	153.51	4.2	153.68	1.2	153.74	0.0	153.75	1.6	153.68	2.7	153.67	4.4	153.69	5.6	153.72	7.5	153.46	12.6	153.65
Natural Surface																																
Chainage																																

THE REPUBLIC OF THE UNION OF MYANMAR	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract Route Zo Nuan Zang		SHEET CONTENTS CROSS SECTION (8/12) STA.2+800 ~ STA.3+100		SCALE	S=1:200
		CHIN STATE				DATE	OCT. 2020	PAGE NO.	37 / 49



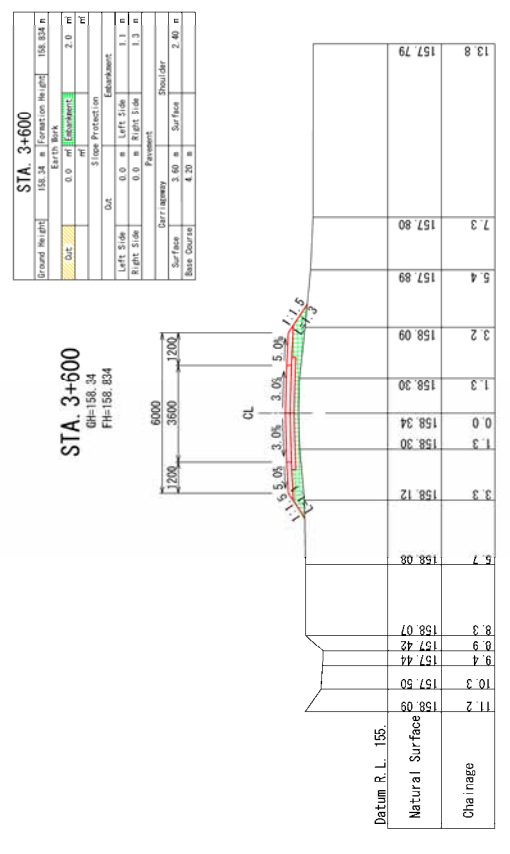
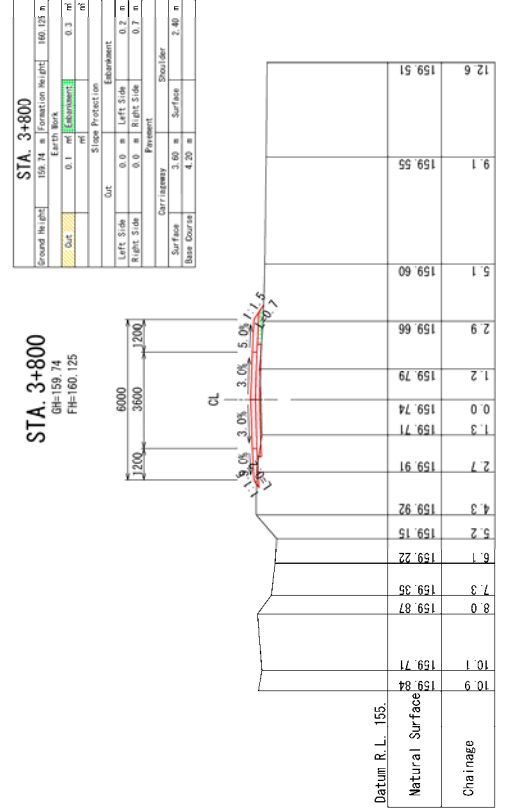
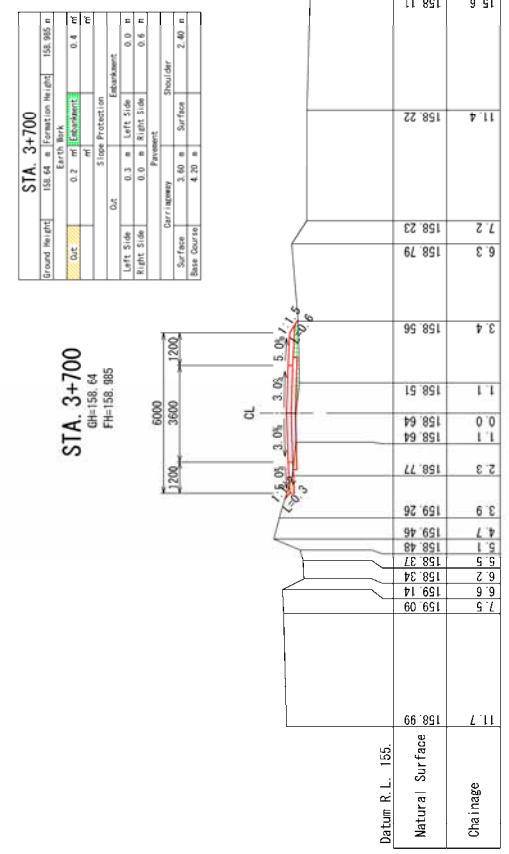
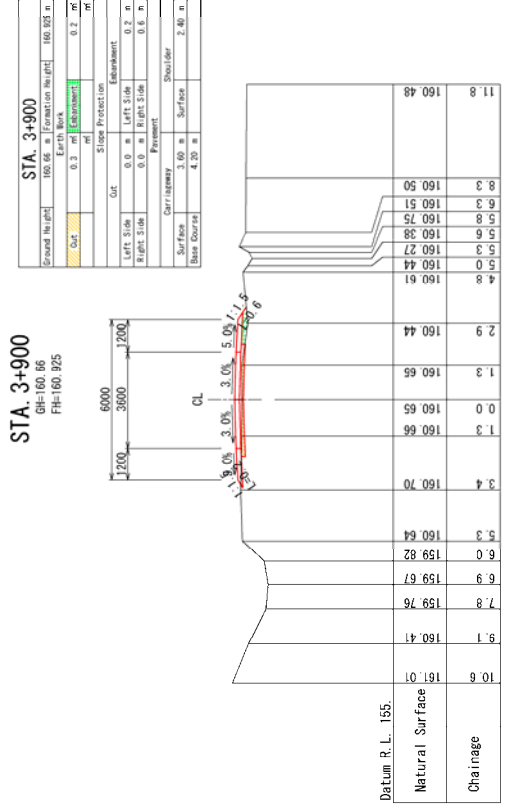
# CROSS SECTION (9/12)



A4-40

THE REPUBLIC OF THE UNION OF MYANMAR	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract		SHEET CONTENTS	SCALE	S=1:200
		Route Zo Nuan Zang		CROSS SECTION (9/12) STA.3+200 ~ STA.3+500	DATE		OCT. 2020	
CHIN STATE							PAGE NO.	38 / 49

# CROSS SECTION (10/12)

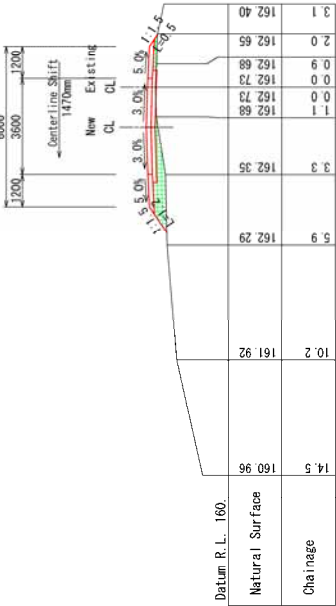


THE REPUBLIC OF THE UNION OF MYANMAR	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract Route Zo Nuan Zang		SHEET CONTENTS CROSS SECTION (10/12) STA.3+600 ~ STA.3+900		SCALE	S=1:200
		CHIN STATE	YACHIYO ENGINEERING CO., LTD.	DATE	OCT. 2020	PAGE NO.	39 / 49		

# CROSS SECTION (11/12)

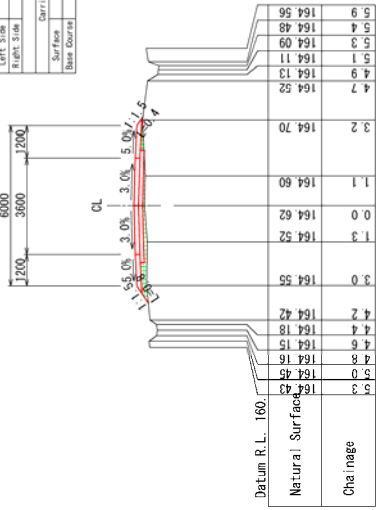
**STA. 4+100**  
 GH=162.63  
 FH=163.065

Ground Height	162.63 m	Formation Height	163.065 m
Earth Work	0.0 m <sup>3</sup> Excavation / 0.0 m <sup>3</sup> Fill		
Out	0.0 m <sup>2</sup> Excavation / 0.0 m <sup>2</sup> Fill		
Slope Protection	Easement		
Left Side	0.0 m	Left Side	1.2 m
Right Side	0.0 m	Right Side	0.5 m
Shoulder	2.40 m		
Surface	3.60 m		
Base Course	4.20 m		



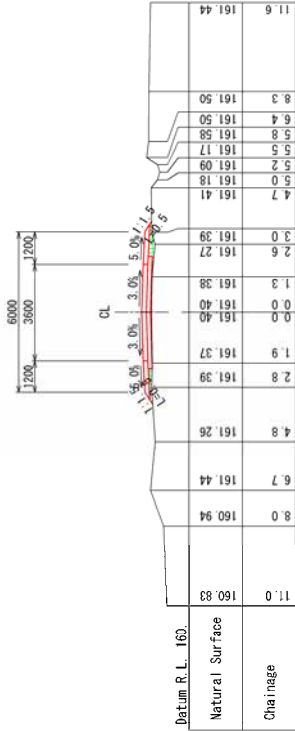
**STA. 4+300**  
 GH=164.82  
 FH=165.025

Ground Height	164.82 m	Formation Height	165.025 m
Earth Work	0.0 m <sup>3</sup> Excavation / 0.0 m <sup>3</sup> Fill		
Out	0.0 m <sup>2</sup> Excavation / 0.0 m <sup>2</sup> Fill		
Slope Protection	Easement		
Left Side	0.0 m	Left Side	0.8 m
Right Side	0.0 m	Right Side	0.4 m
Shoulder	2.40 m		
Surface	3.60 m		
Base Course	4.20 m		



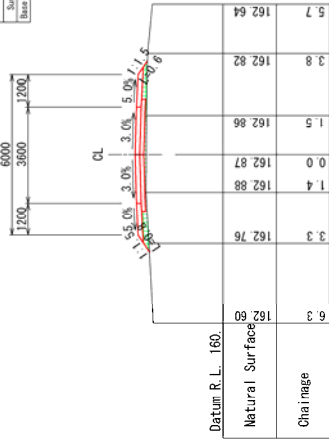
**STA. 4+0**  
 GH=161.40  
 FH=161.755

Ground Height	161.40 m	Formation Height	161.755 m
Earth Work	0.0 m <sup>3</sup> Excavation / 0.0 m <sup>3</sup> Fill		
Out	0.0 m <sup>2</sup> Excavation / 0.0 m <sup>2</sup> Fill		
Slope Protection	Easement		
Left Side	0.0 m	Left Side	0.5 m
Right Side	0.0 m	Right Side	0.5 m
Shoulder	2.40 m		
Surface	3.60 m		
Base Course	4.20 m		



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

Ground Height	162.87 m	Formation Height	163.285 m
Earth Work	0.0 m <sup>3</sup> Excavation / 0.0 m <sup>3</sup> Fill		
Out	0.0 m <sup>2</sup> Excavation / 0.0 m <sup>2</sup> Fill		
Slope Protection	Easement		
Left Side	0.0 m	Left Side	0.8 m
Right Side	0.0 m	Right Side	0.6 m
Shoulder	2.40 m		
Surface	3.60 m		
Base Course	4.20 m		



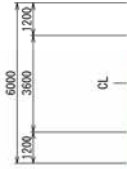
THE REPUBLIC OF THE UNION OF MYANMAR		JAPAN INTERNATIONAL COOPERATION AGENCY		THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract		SCALE		S=1:200	
CHIN STATE		YACHIYO ENGINEERING CO., LTD.		RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Route Zo Nuan Zang		DATE		OCT. 2020	
								SHEET CONTENTS		PAGE NO.	
								CROSS SECTION (11/12)		40 / 49	
								STA. 4+0 ~ STA. 4+300			

# CROSS SECTION (12/12)

GH=165.50  
FH=165.500

## STA. 4+480

<b>STA. 4+480</b>	
Ground Height	165.50 m
Formation Height	165.50 m
Earth Work	0.00 m <sup>3</sup>
Cut	1.4 m
Embankment	0.00 m
Slope Protection	
Left Side	0.00 m
Right Side	0.00 m
Pavement	
Corriway	4.00 m
Shoulder	2.00 m
Base Course	4.00 m

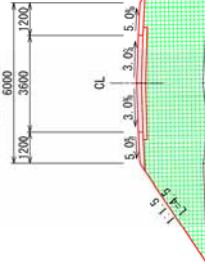


Datum R.L. 160.	5.5	165.39	3.0	165.48	1.5	165.30	0.0	165.50	2.9	165.34	6.4	165.23	10.3	165.17
Natural Surface														
Chaining														

GH=165.00  
FH=167.467

## STA. 4+400

<b>STA. 4+400</b>	
Ground Height	165.00 m
Formation Height	167.467 m
Earth Work	22.4 m <sup>3</sup>
Cut	0.0 m
Embankment	22.4 m
Slope Protection	
Left Side	0.00 m
Right Side	0.00 m
Pavement	
Corriway	4.00 m
Shoulder	2.00 m
Base Course	4.00 m



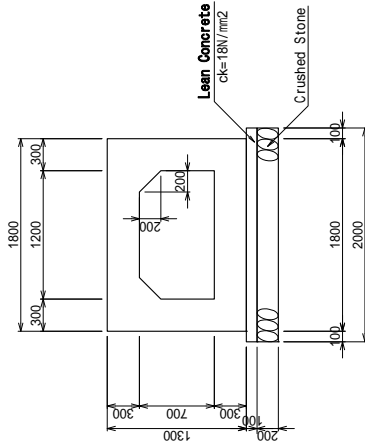
Datum R.L. 160.	8.9	164.77	5.5	164.89	3.0	164.98	0.0	165.00	2.9	164.84	6.4	164.89	10.3	164.67
Natural Surface														
Chaining														

THE REPUBLIC OF THE UNION OF MYANMAR  CHIN STATE	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Dolluang Village Tract  Route Zo Nuan Zang	SHEET CONTENTS  CROSS SECTION (12/12) STA.4+360	SCALE DATE PAGE NO.	S=1:200 OCT. 2020 41 / 49
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# TYPE OF BOX CULVERT

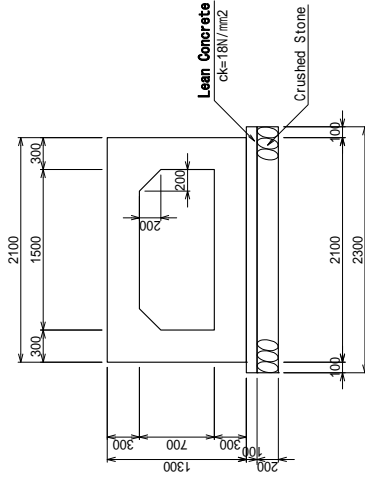
BOX CULVERT S=1:50

BOX1200 x 700



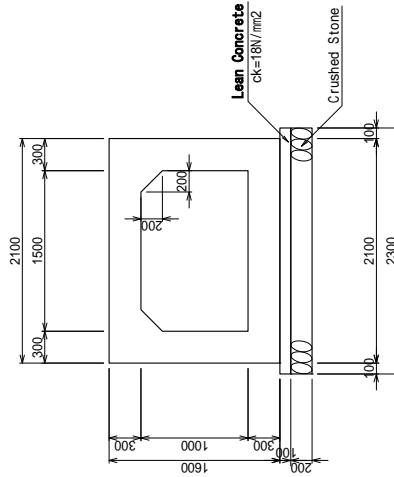
Size	Material List ( Per 10.0m)			
	Concrete (m <sup>3</sup> )	Formwork (m <sup>2</sup> )	Crushed Stone (m <sup>2</sup> )	Lean Concrete (m <sup>3</sup> )
BOX1200 x 700	15.400	42.657	20.000	2.000
				Formwork for Lean Concrete (m <sup>2</sup> )
				2.000

BOX1500 x 700



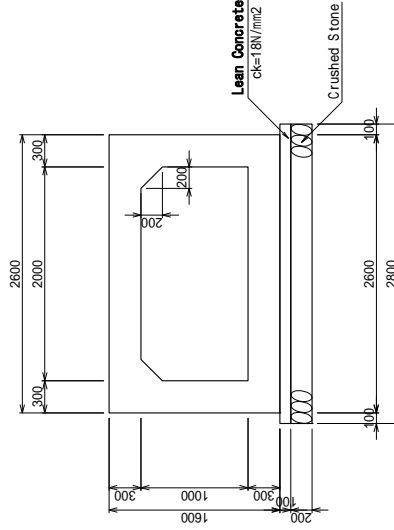
Size	Material List ( Per 10.0m)			
	Concrete (m <sup>3</sup> )	Formwork (m <sup>2</sup> )	Crushed Stone (m <sup>2</sup> )	Lean Concrete (m <sup>3</sup> )
BOX1500 x 700	17.200	52.657	23.000	2.300
				Formwork for Lean Concrete (m <sup>2</sup> )
				2.000

BOX1500 x 1000



Size	Material List ( Per 10.0m)			
	Concrete (m <sup>3</sup> )	Formwork (m <sup>2</sup> )	Crushed Stone (m <sup>2</sup> )	Lean Concrete (m <sup>3</sup> )
BOX1500 x 1000	19.000	64.657	23.000	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>2</sup> )	Lean Concrete (m <sup>3</sup> )
BOX2000 x 1000	22.000	69.657	26.000	2.300
				Formwork for Lean Concrete (m <sup>2</sup> )
				2.000

## BOX LIST

Route	Station	Structure No.	Size (Wide*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
	STA.3+615.5	ZN-BC5	2*1	10.0
	STA.4+119.5	ZN-BC6	2*1	8.0



THE REPUBLIC OF THE UNION OF MYANMAR

JAPAN INTERNATIONAL COOPERATION AGENCY  
YACHIYO ENGINEERING CO., LTD.

THE PROJECT FOR  
RURAL INFRASTRUCTURE DEVELOPMENT  
IN LOCAL AREAS

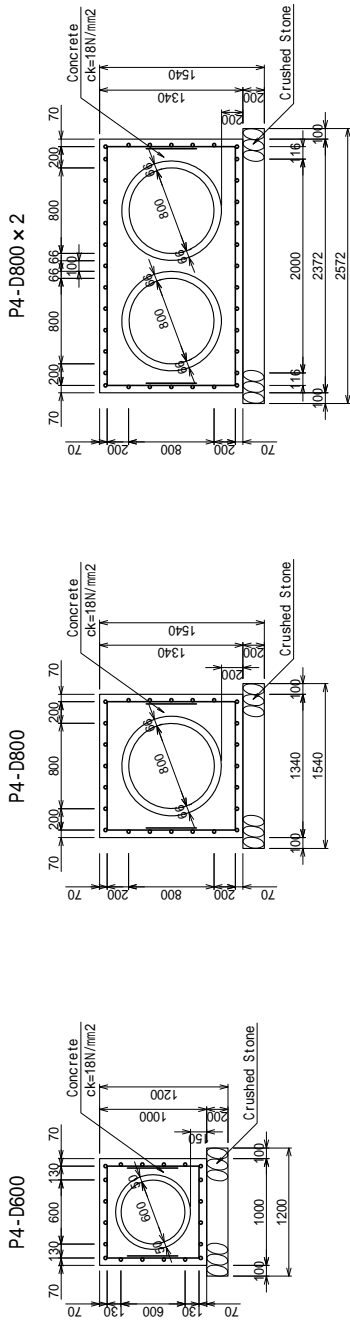
Chin State

SHEET CONTENTS  
TYPE OF BOX CULVERT

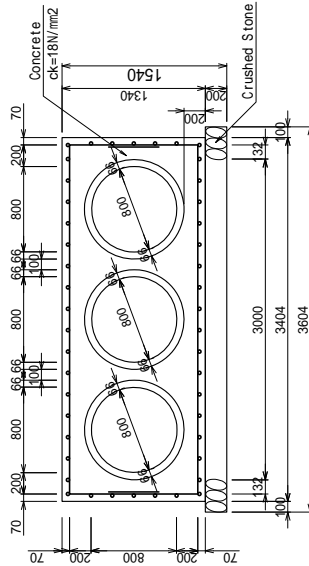
SCALE S=1:50  
DATE OCT. 2020  
PAGE NO. 42 / 49

# TYPE OF DITCH AND PIPE CULVERT

## PIPE CULVERT S=1:50



P4-D800 x 3



Size	Material List (Per 10.0m)	
	Concrete (m <sup>3</sup> )	Crushed Stone (m <sup>2</sup> )
P4-D600	6.152	20.000
P4-D800	11.134	26.800
P4-D800 x 2	18.140	26.800
P4-D800 x 3	25.147	26.800

Size	Longitudinal Direction Rebar (Per 1m)			Cross Direction Rebar (Per 1m)			Total Weight (kg)
	Unit Weight of Rebar (kg/m)	Length (Piece/m)	Dia	Unit Weight of Rebar (kg/m)	Length (Piece/m)	Dia	
P4-D600	0.985	19.900	D13	0.985	21.791	D13	41.691
P4-D800 x 2	1.560	37.440	D13	0.985	28.557	D13	65.997
P4-D800 x 2	1.560	56.160	D13	0.985	38.825	D13	94.985
P4-D800 x 3	1.560	71.760	D13	0.985	49.093	D13	120.853

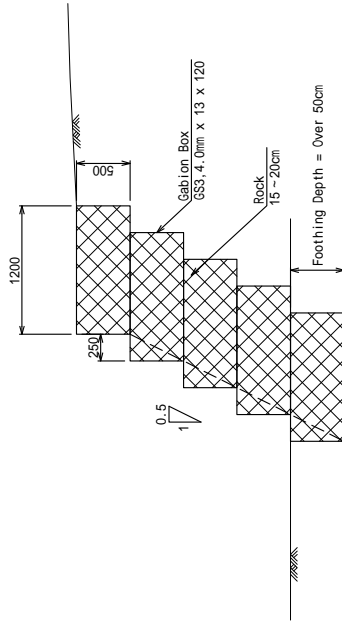
## PIPE LIST

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
Route Tan Zan	STA. 0+103.5	TZ-P11	P4-D800	8
	STA. 0+121.0	TZ-P12	P4-D800 x 3	8
	STA. 0+499.0	TZ-P13	P4-D800 x 3	8
	STA. 0+766.5	TZ-P14	P4-D600	8
	STA. 0+936.5	TZ-P15	P4-D800 x 2	8
	STA. 1+5.5	TZ-P16	P4-D800 x 2	8
	STA. 1+290.5	TZ-P17	P4-D800 x 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
Route Zo Nuan Zang Route Pamuncharng (down stream)	-	-	-	-
	-	-	-	-



# 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 + 760.2	ZZ-RE2	5 Layers	34.0
Route Zo Nuan Zang	STA.2 + 888.0	ZN-RE1	3 Layers	3.0
	STA.2 + 888.0	ZN-RE2	3 Layers	3.0
	STA.2 + 889.5	ZN-RE3	3 Layers	3.0
	STA.2 + 889.5	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 + 180.0	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 + 389.6 ~ STA.4 + 411.7	ZN-RE24	5 Layers	30.0
	STA.4 + 408.3 ~ STA.4 + 422.2	ZN-RE25	5 Layers	30.0



THE REPUBLIC OF THE UNION OF MYANMAR

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THE PROJECT FOR  
RURAL INFRASTRUCTURE DEVELOPMENT  
IN LOCAL AREAS

Chin State

SHEET CONTENTS

STANDARD DRAWING  
OF REVETMENT

SCALE

DATE

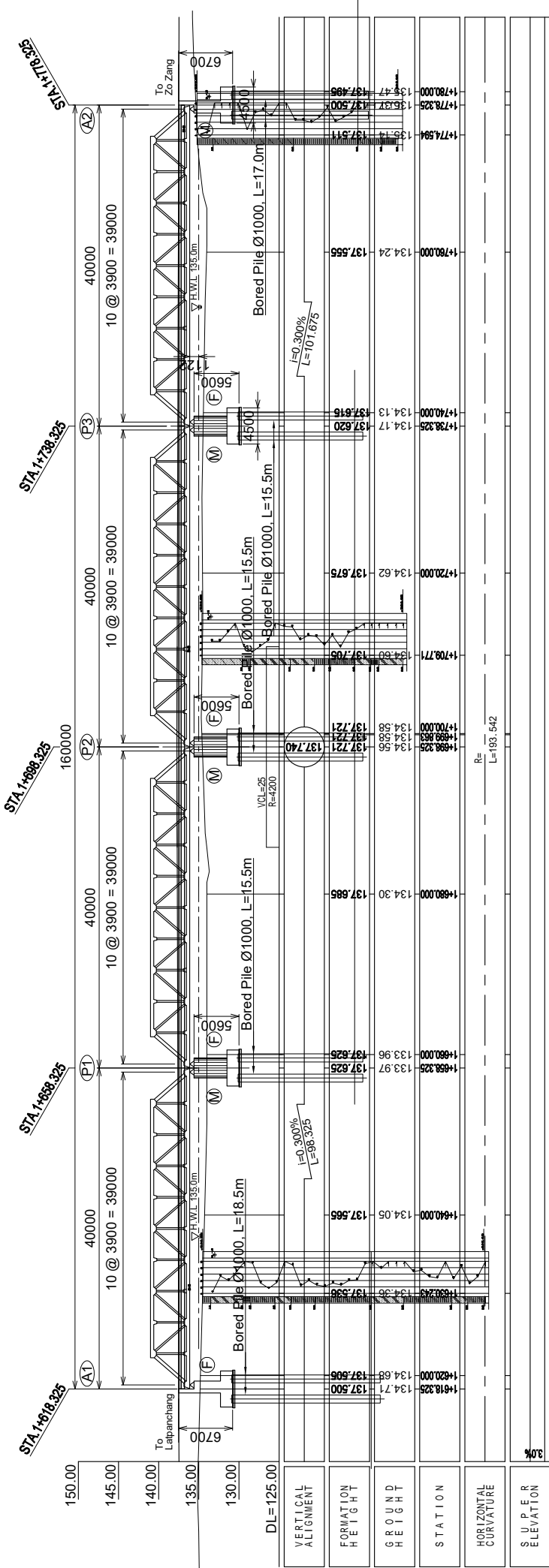
PAGE NO.

S=1:50

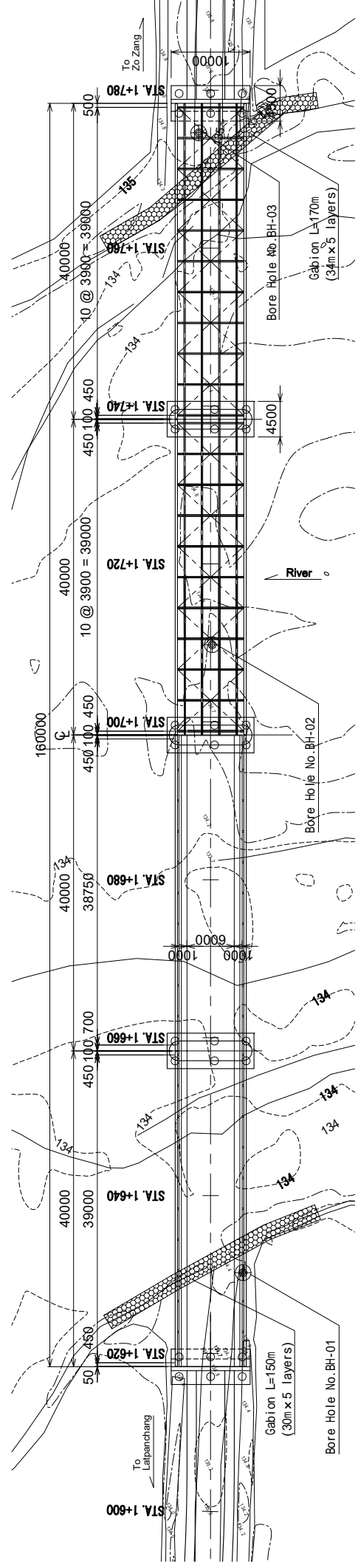
OCT. 2020

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



PLAN VIEW S=1:500



A4-47

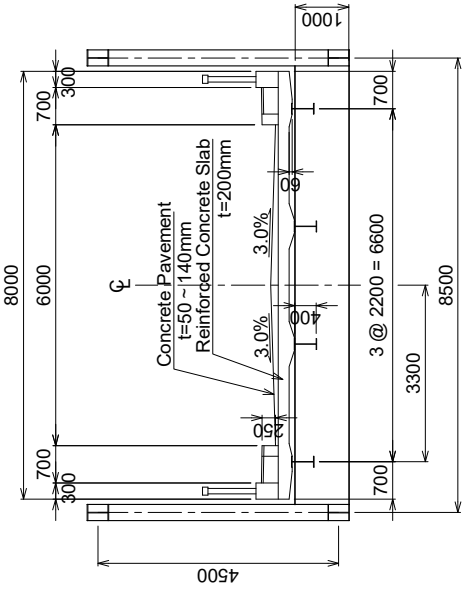
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# GENERAL VIEW OF ZZ-BR1 (2)

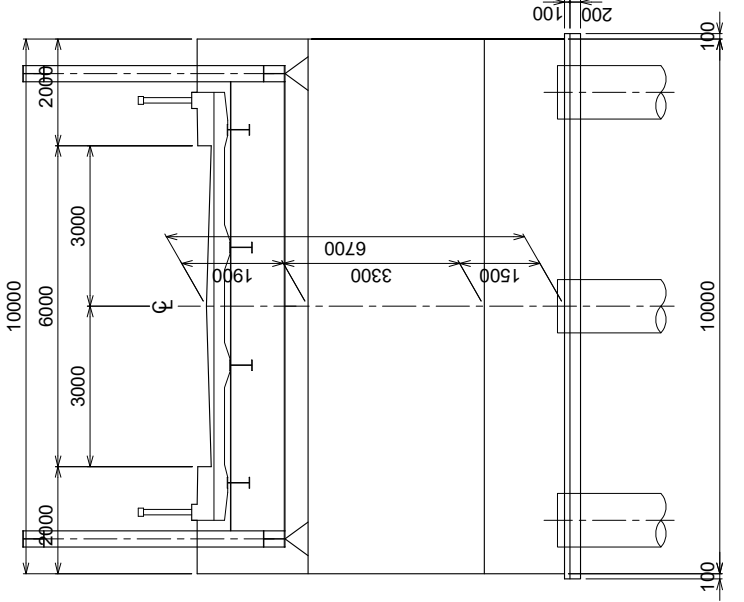
CROSS SECTION S=1:100

## SUPERSTRUCTURE

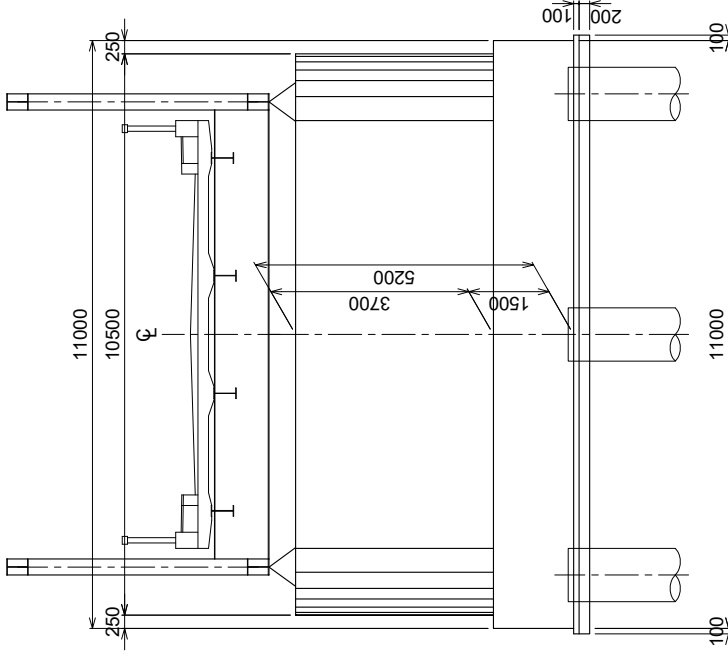


## SUBSTRUCTURE

### ABUTMENT



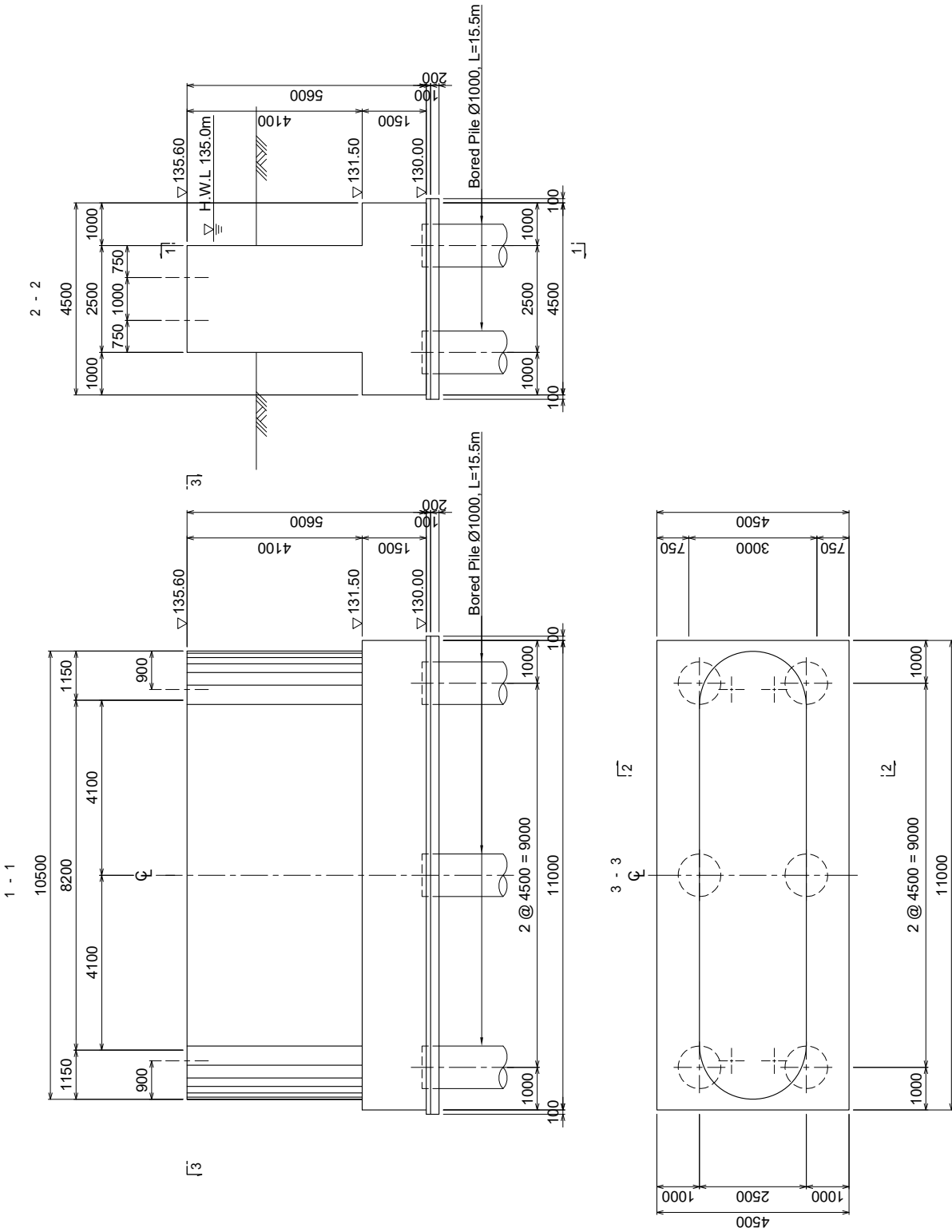
### PIER



 THE REPUBLIC OF THE UNION OF MYANMAR  CHIN STATE	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.	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	As Shown  OCT. 2020
		PAGE NO.		46 / 49			



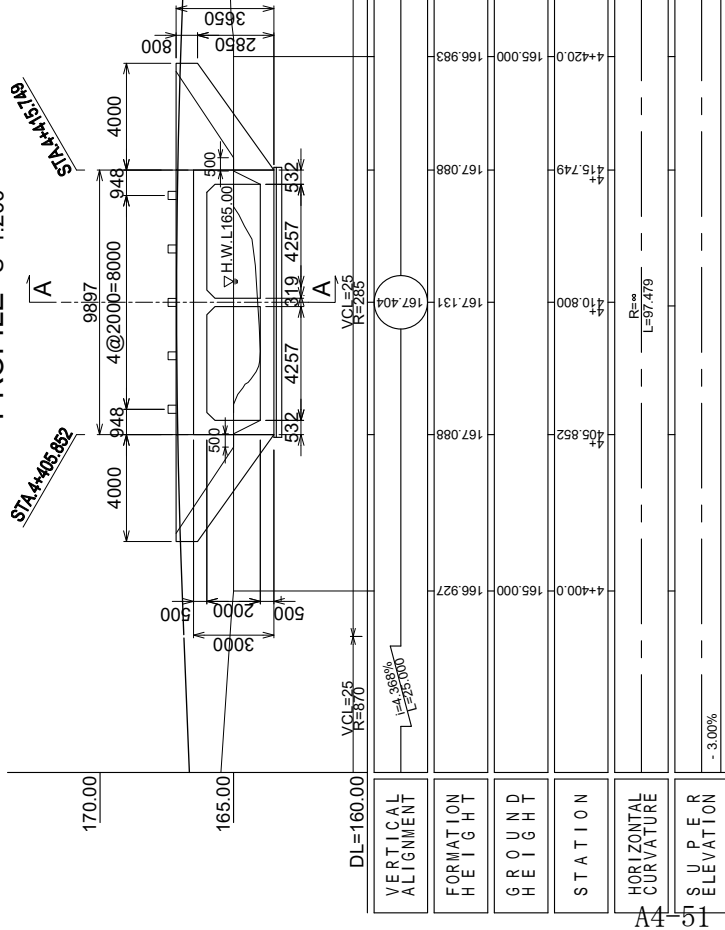
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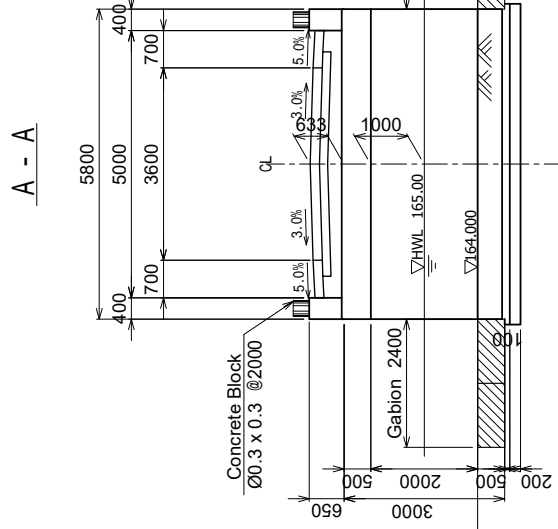
THE REPUBLIC OF THE UNION OF MYANMAR	CHIN STATE	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		Dolluang Village Tract Route Zo Zang	SHEET CONTENTS GENERAL ARRANGEMENT OF PIER		SCALE 1:100
			RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS			DATE OCT. 2020	PAGE NO. 48 / 49	

# GENERAL VIEW OF ZN-C-Box

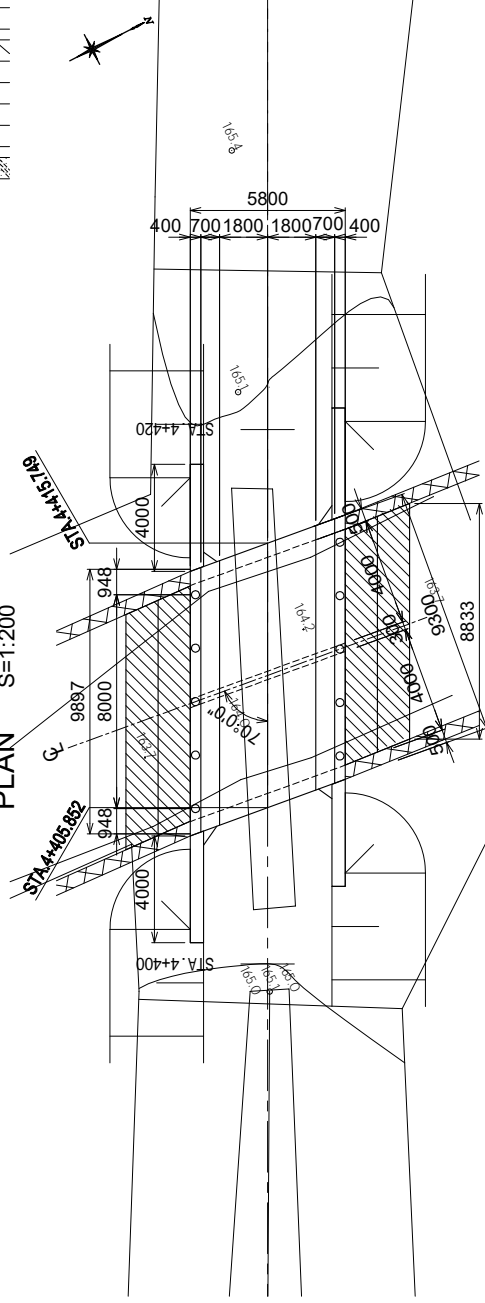
PROFILE S=1:200



CROSS SECTION S=1:100



PLAN S=1:200



THE REPUBLIC OF THE UNION OF MYANMAR

CHIN STATE

JAPAN INTERNATIONAL COOPERATION AGENCY  
YACHIOI ENGINEERING CO., LTD.

THE PROJECT FOR  
RURAL INFRASTRUCTURE DEVELOPMENT  
IN LOCAL AREAS

Dolluang Village Tract  
Route Zo Nuan Zang

SHEET CONTENTS  
GENERAL VIEW OF  
ZN-C-Box

SCALE As Shown  
DATE OCT. 2020  
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THE PROJECT  
FOR  
RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS

REFERENCE DRAWINGS  
AYEYARWADY REGION

OCTOBER 2020



JAPAN INTERNATIONAL COOPERATION AGENCY  
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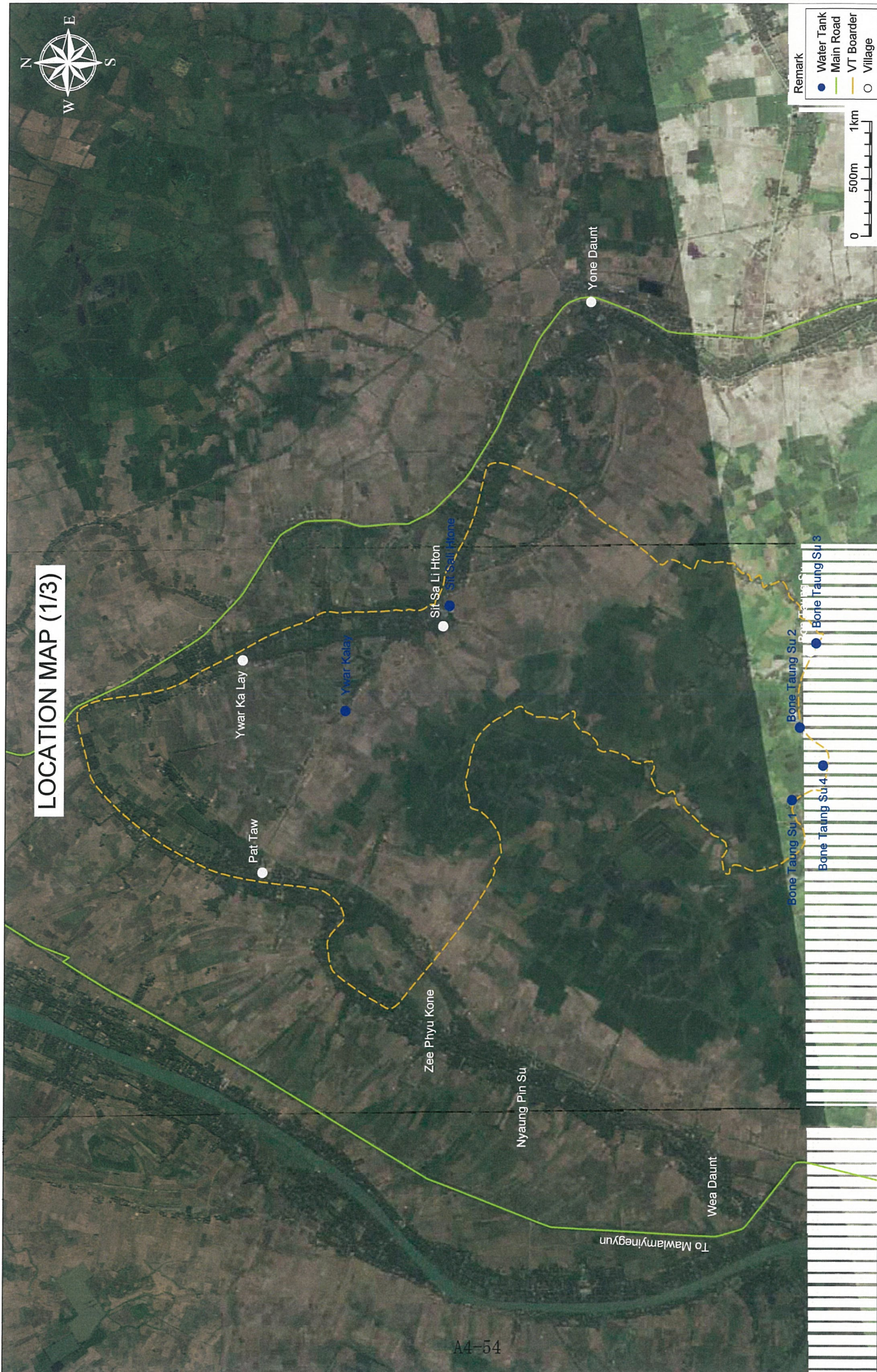
# DRAWINGS LIST

## WATER SUPPLY

No.	DRAWING TITLE
1	LOCATION MAP ( 1 )
2	LOCATION MAP ( 2 )
3	LOCATION MAP ( 3 )
4	RAIN WATER COLLECTION SYSTEM FLOW DIAGRAM
5	SECTION OF WATER SUPPLY FACILITY (TYPE-1) ( 1 )
6	SECTION OF WATER SUPPLY FACILITY (TYPE-1) ( 2 )
7	SECTION OF WATER SUPPLY FACILITY (TYPE-1) ( 3 )
8	SECTION OF WATER SUPPLY FACILITY (TYPE-2) ( 1 )
9	SECTION OF WATER SUPPLY FACILITY (TYPE-2) ( 2 )
10	SECTION OF WATER SUPPLY FACILITY (TYPE-2) ( 3 )
11	SECTION OF WATER SUPPLY FACILITY (TYPE-2) ( 4 )
12	SECTION OF WATER SUPPLY FACILITY (TYPE-3) ( 1 )
13	SECTION OF WATER SUPPLY FACILITY (TYPE-3) ( 2 )
14	SECTION OF WATER SUPPLY FACILITY (TYPE-3) ( 3 )
15	SECTION OF WATER SUPPLY FACILITY (TYPE-3) ( 4 )
16	SECTION OF WATER SUPPLY FACILITY (TYPE-4) ( 1 )
17	SECTION OF WATER SUPPLY FACILITY (TYPE-4) ( 2 )
18	SECTION OF WATER SUPPLY FACILITY (TYPE-4) ( 3 )
19	SECTION OF WATER SUPPLY FACILITY (TYPE-4) ( 4 )



LOCATION MAP (1/3)



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



THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	Sit Sali Htone Village Tract	SHEET CONTENTS LOCATION MAP (1/3)	SCALE	S=1:30,000
			Route Sit Sali Htone		DATE	OCT. 2020
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# LOCATION MAP (2/3)



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



THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	  JAPAN INTERNATIONAL COOPERATION AGENCY YACHYO ENGINEERING 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
		DATE	OCT. 2020	PAGE NO.	2 / 19				



# LOCATION MAP (3/3)



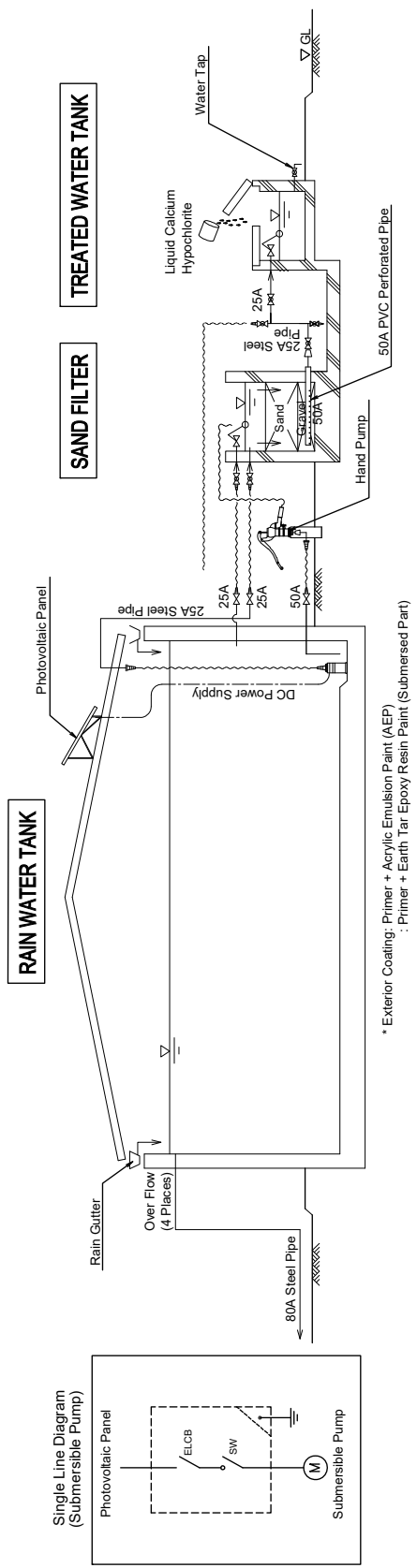
Remark	
●	Water Tank
—	Main Road
—	VT Boarder
○	Village



THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	The Kan Wa Village Tract Route Tha Kan Wa	SHEET CONTENTS	
				LOCATION MAP (3/3)	
		SCALE	S=1:30,000	DATE	OCT. 2020
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# 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

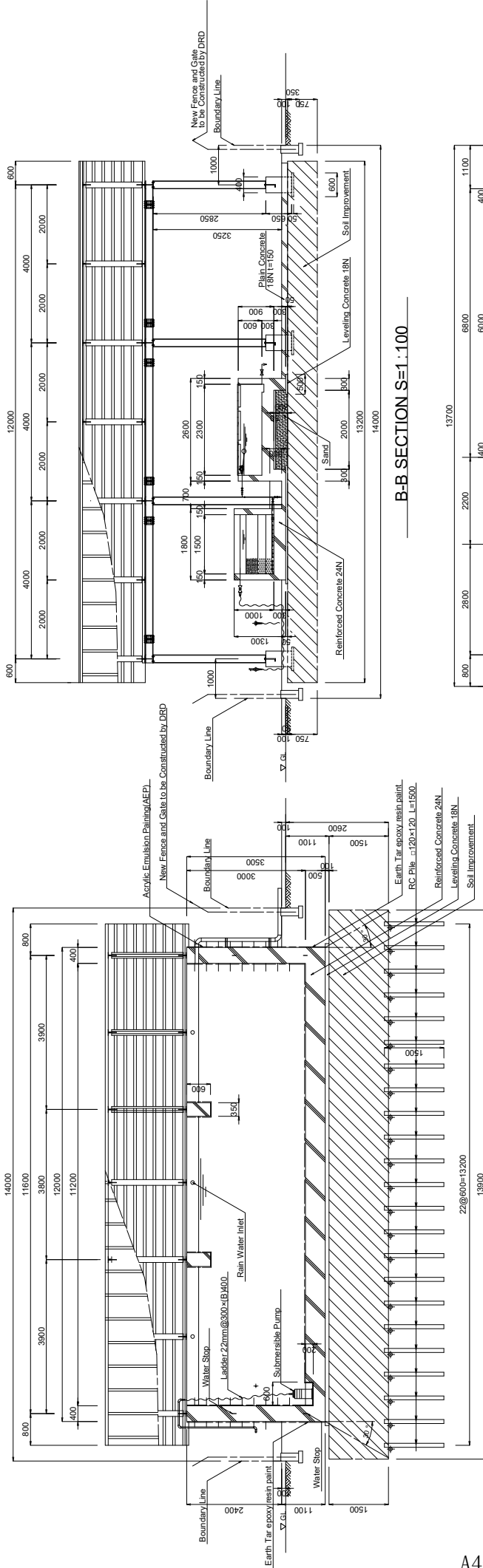
Treated Water Tank Capacity : 3.25m<sup>3</sup>  
 Effective Chlorine Concentration : 1%

LEGEND

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

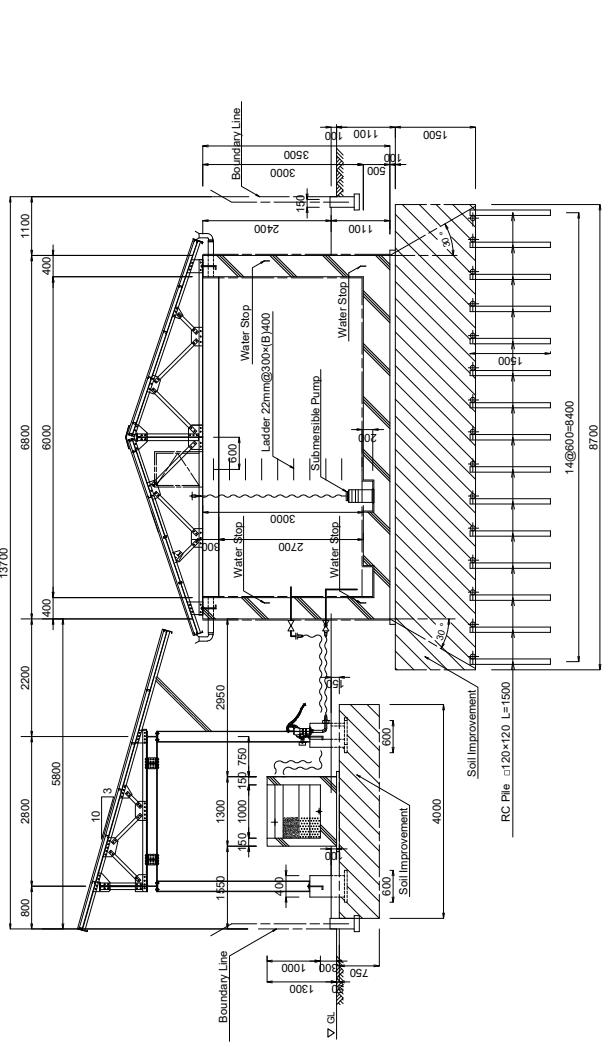


# SECTION (1) OF WATER SUPPLY FACILITY (TYPE-1: 40,000 GALLON / 180m3)



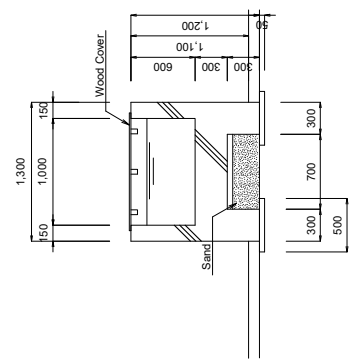
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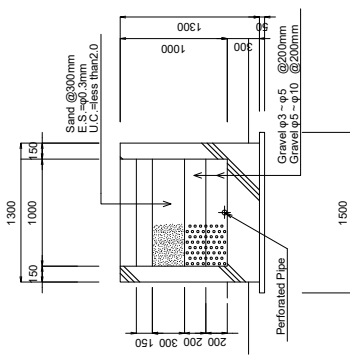
C-C SECTION S=1:100

## TREATED WATER TANK



SECTION S=1:50

## SAND FILTER

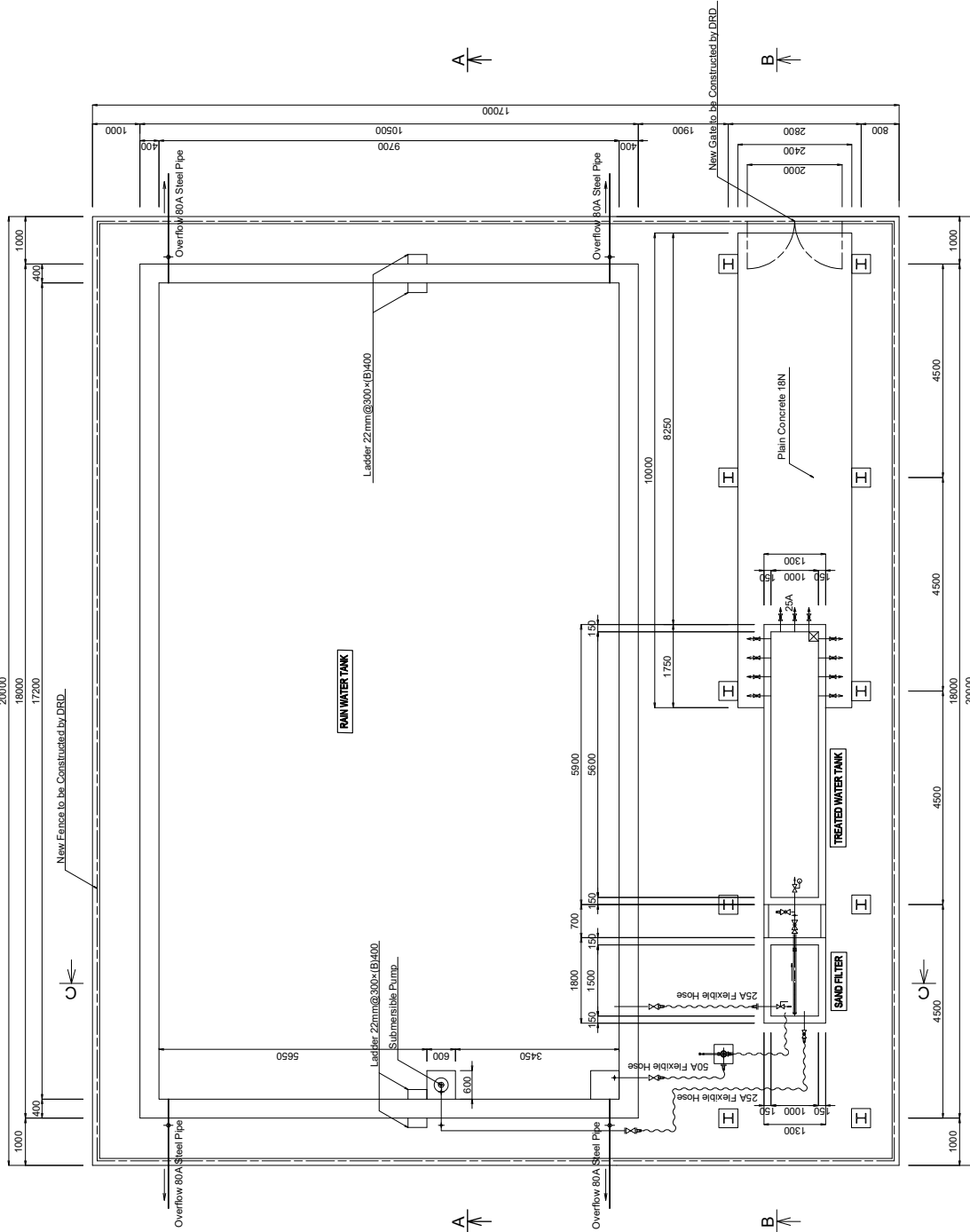


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	AYEYARWADY REGION		WATER SUPPLY FACILITY	DATE		OCT. 2020	PAGE NO.



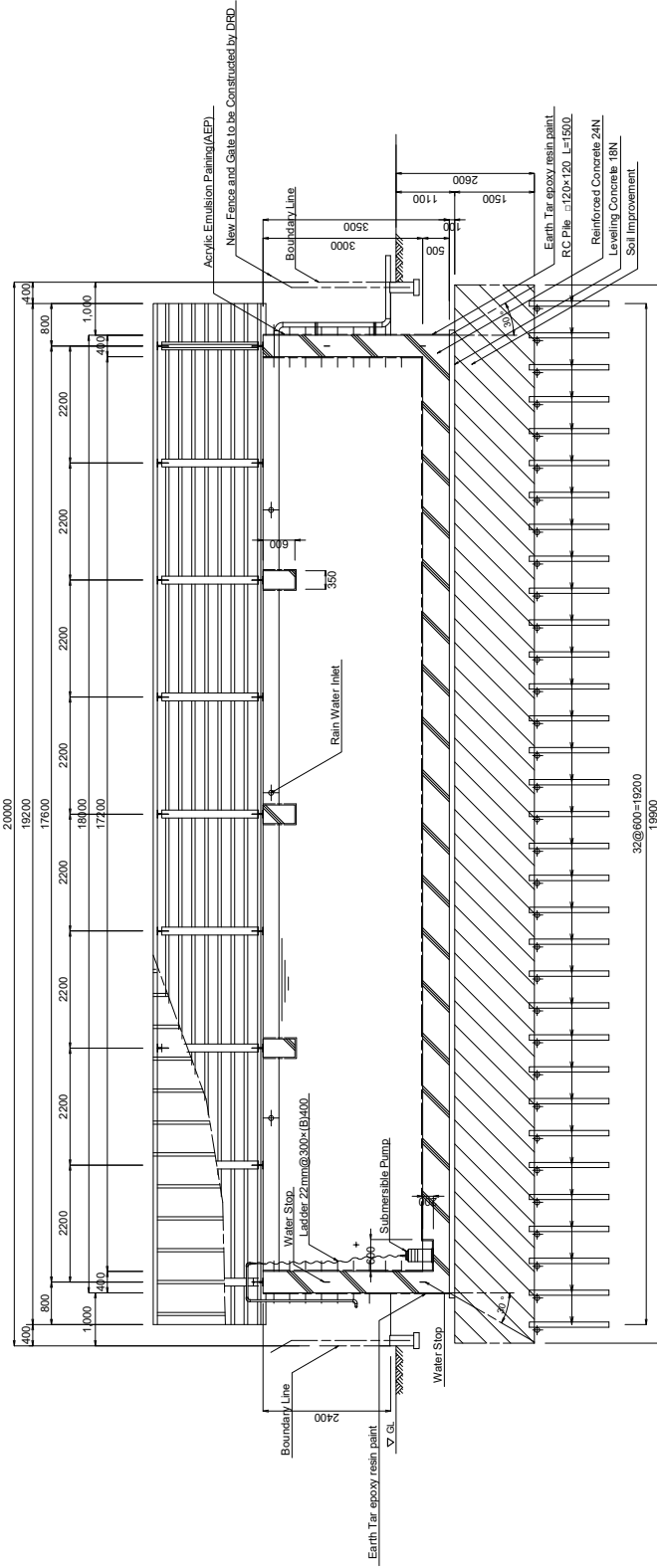
# GENERAL LAYOUT AND PLAN OF WATER SUPPLY FACILITY (TYPE-2: 100,000 GALLON / 450m<sup>3</sup>)



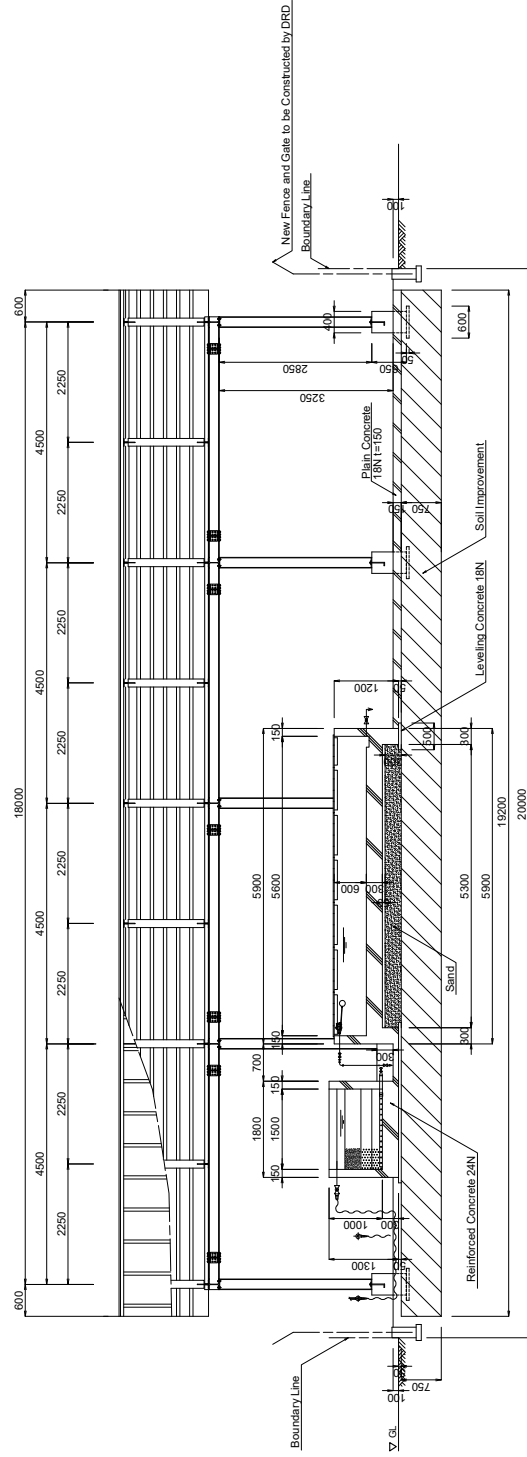
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 THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHYO ENGINEERING CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS		AYEYARWADY REGION WATER SUPPLY FACILITY	SHEET CONTENTS GENERAL LAYOUT AND PLAN OF WATER SUPPLY FACILITY (TYPE-2: 100,000 GALLON)		SCALE DATE PAGE NO.	As Shown OCT. 2020 8 / 19

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



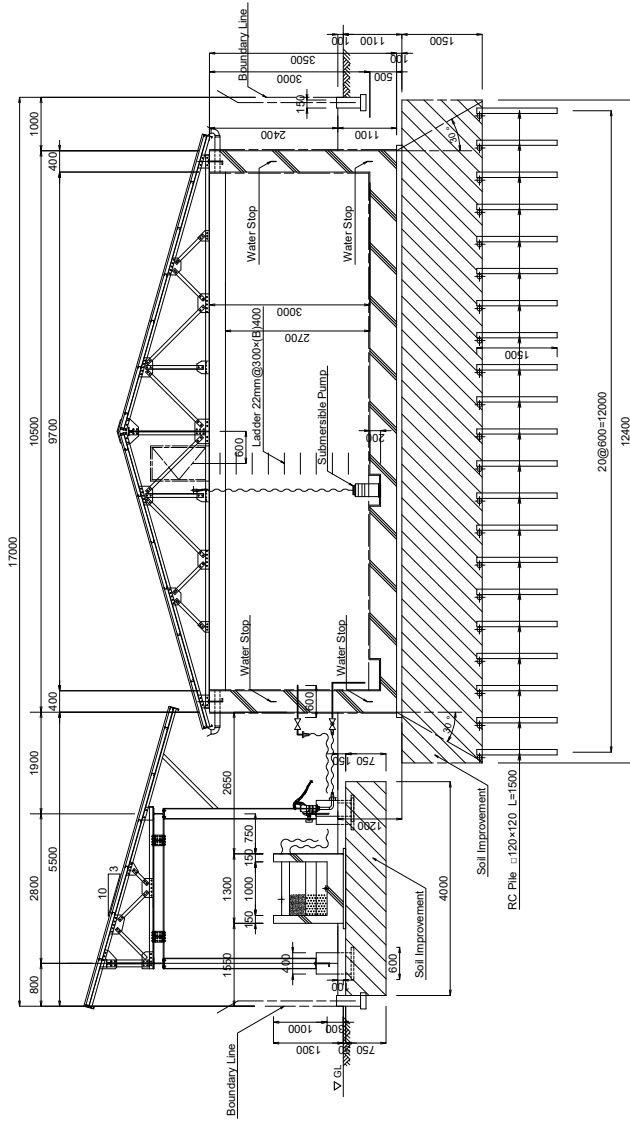
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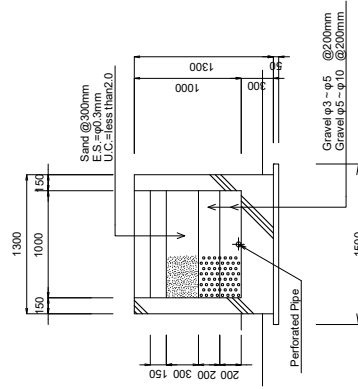
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				SECTION (1) OF WATER SUPPLY FACILITY (TYPE-2: 100,000 GALLON)	
				SCALE	As Shown
				DATE	OCT. 2020
				PAGE NO.	9 / 19

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



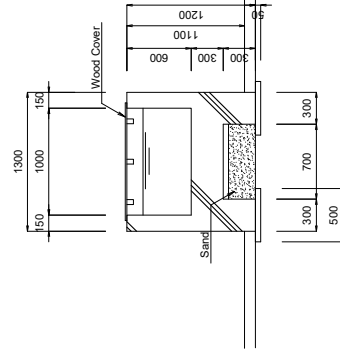
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## SAND FILTER



SECTION S=1:50

## TREATED WATER TANK



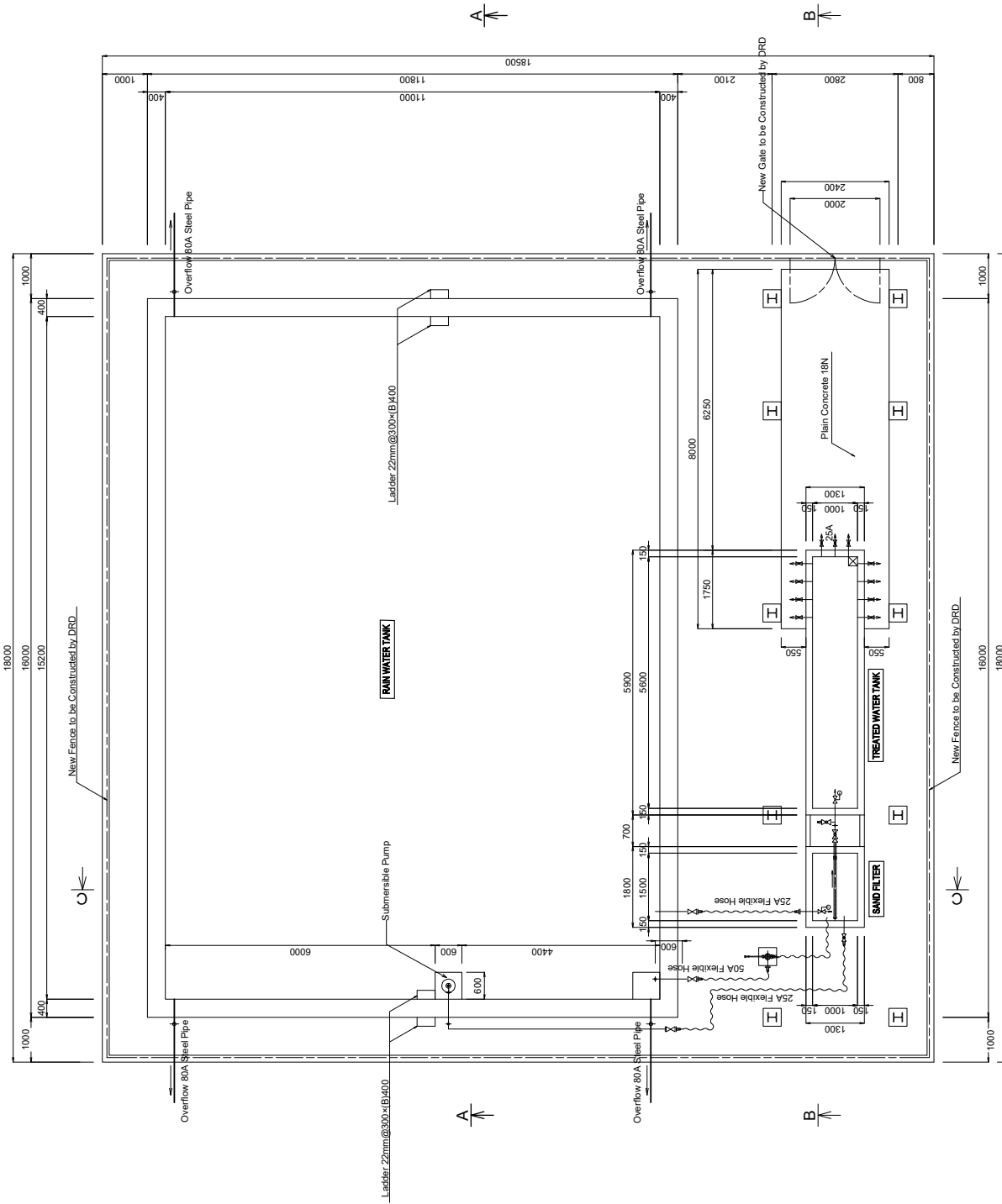
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				DATE OCT. 2020	PAGE NO. 10 / 19	





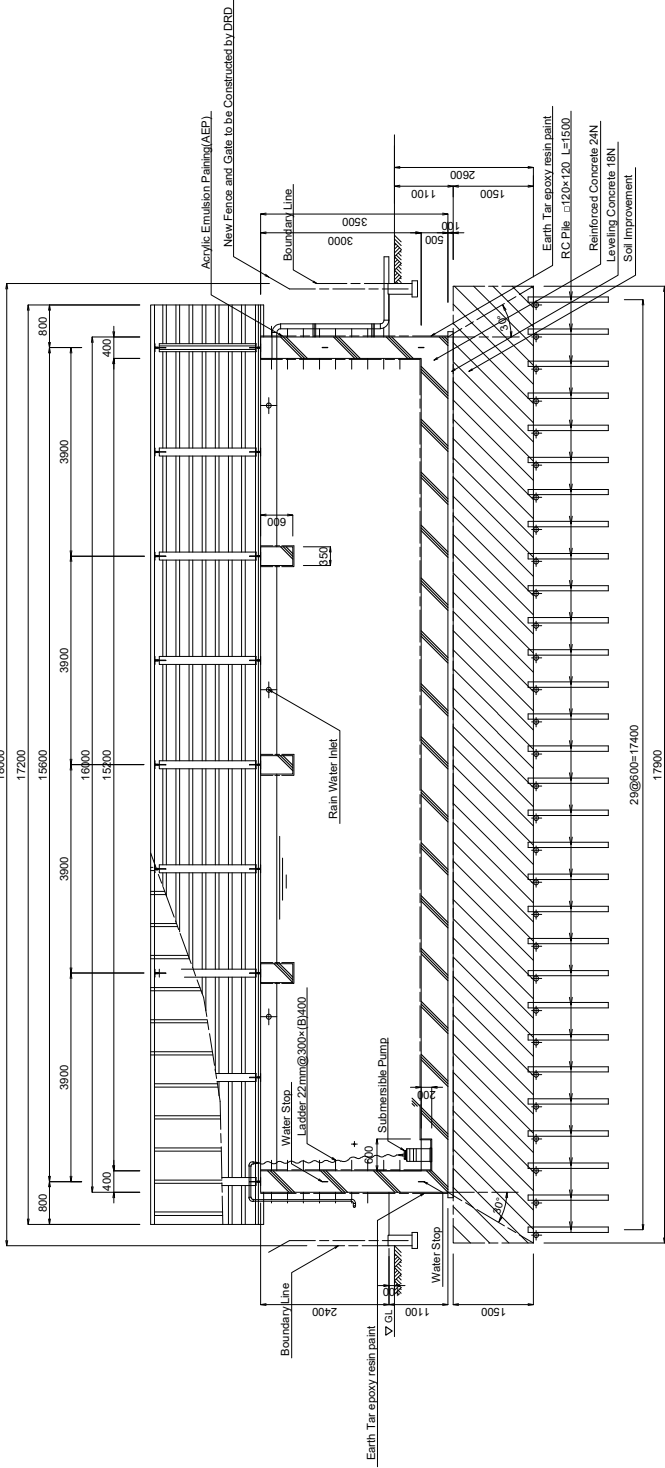
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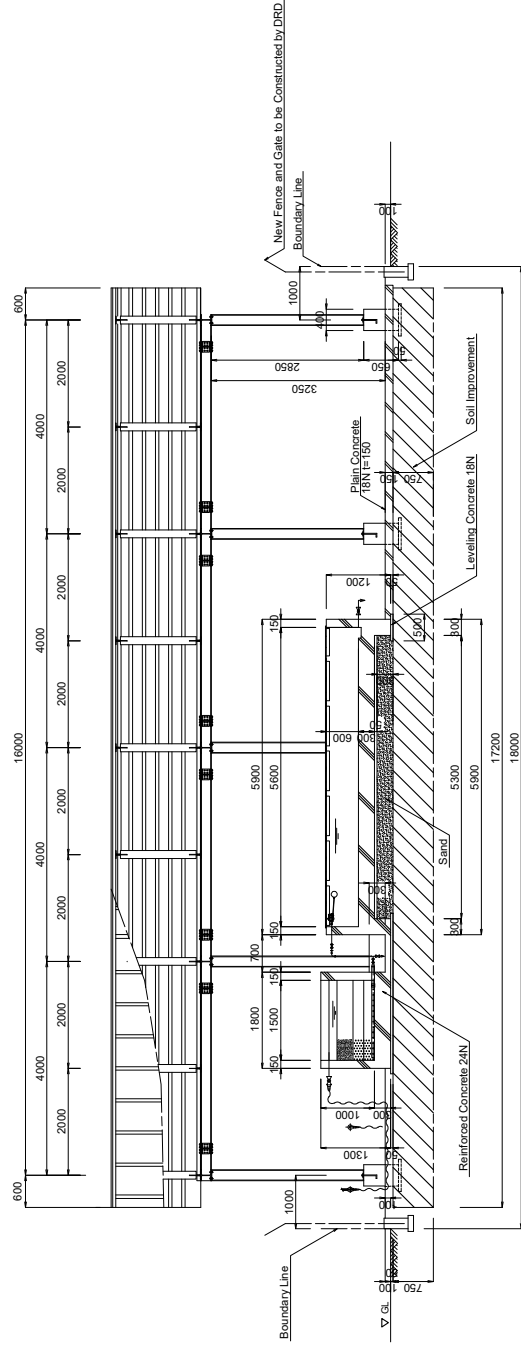
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 THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIO ENGINEERING CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	AYEYARWADY REGION WATER SUPPLY FACILITY	SHEET CONTENTS	
				GENERAL LAYOUT AND PLAN OF WATER SUPPLY FACILITY (TYPE-3: 100,000 GALLON)	
			SCALE	As Shown	
			DATE	OCT. 2020	
			PAGE NO.	12 / 19	

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



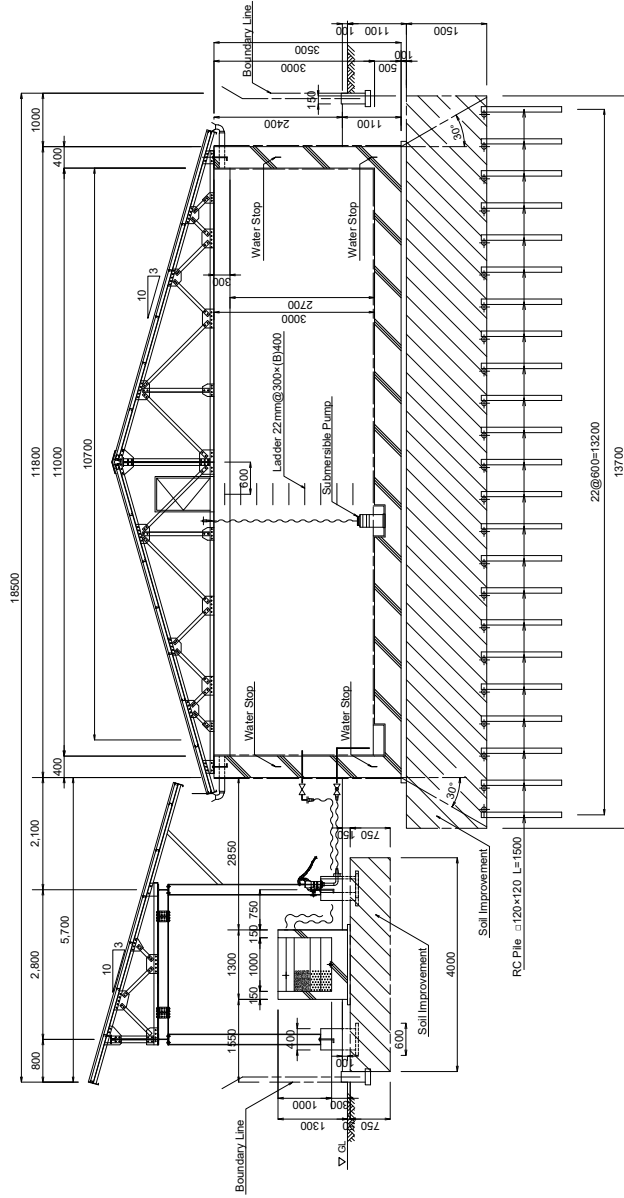
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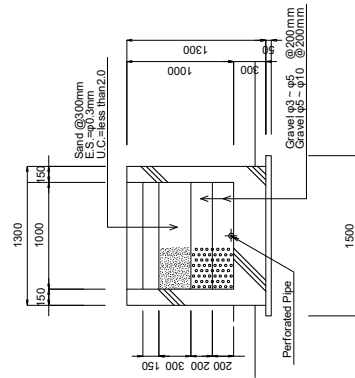
 THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	AYEYARWADY REGION WATER SUPPLY FACILITY	SHEET CONTENTS SECTION (1) OF WATER SUPPLY FACILITY (TYPE-3: 100,000 GALLON)		SCALE As Shown
				DATE OCT. 2020	PAGE NO. 13 / 19	

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



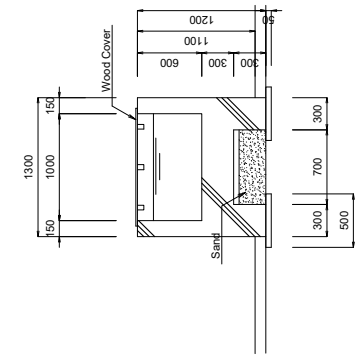
C-C SECTION S=1:100

## SAND FILTER



SECTION S=1:50

## TREATED WATER TANK



SECTION S=1:50



THE REPUBLIC OF THE UNION OF MYANMAR



JAPAN INTERNATIONAL COOPERATION AGENCY  
YACHYO ENGINEERING CO., LTD.

THE PROJECT FOR  
RURAL INFRASTRUCTURE DEVELOPMENT  
IN LOCAL AREAS

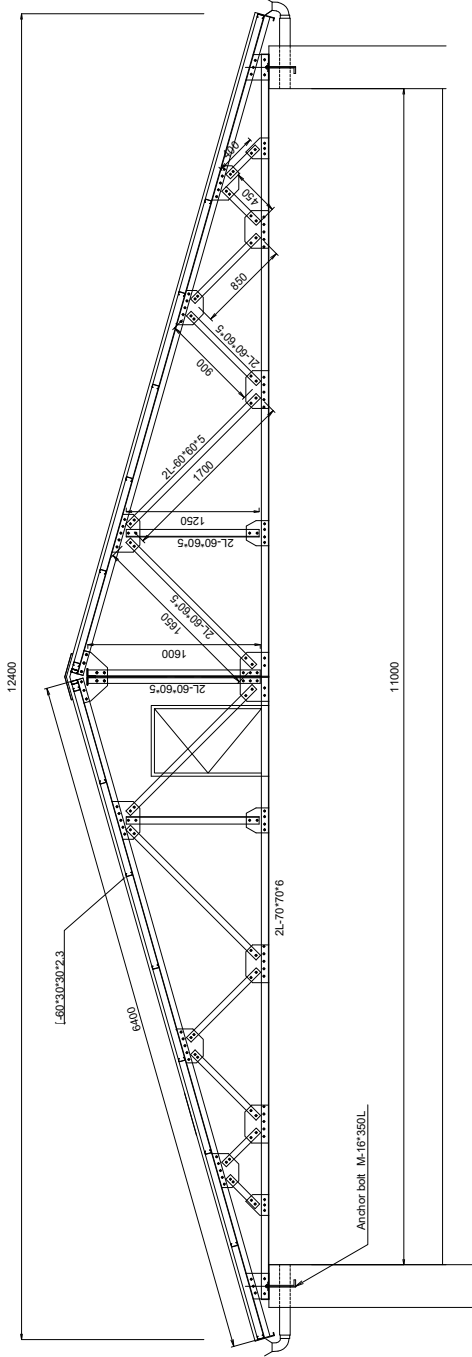
AYEYARWADY REGION  
WATER SUPPLY FACILITY

SHEET CONTENTS  
SECTION (2)  
OF WATER SUPPLY FACILITY  
(TYPE-3: 100,000 GALLON)

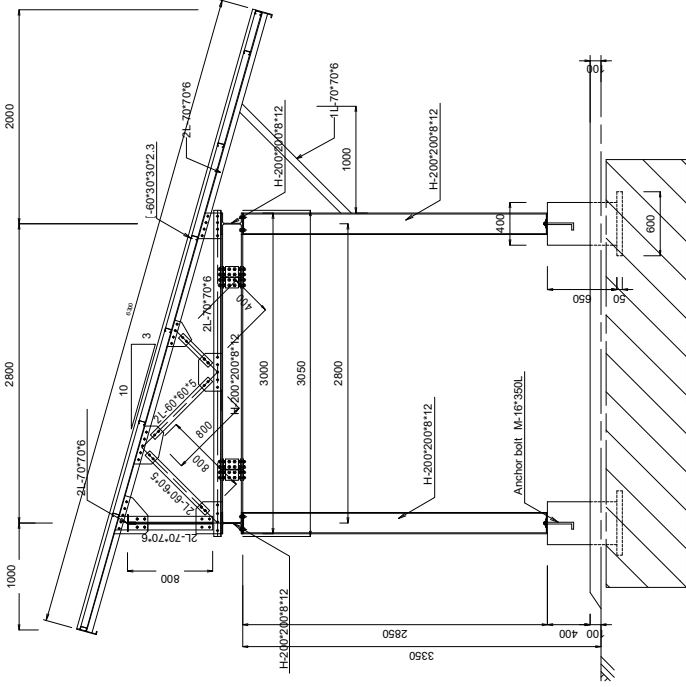
SCALE  
DATE  
PAGE NO.

As Shown  
OCT. 2020  
14 / 19

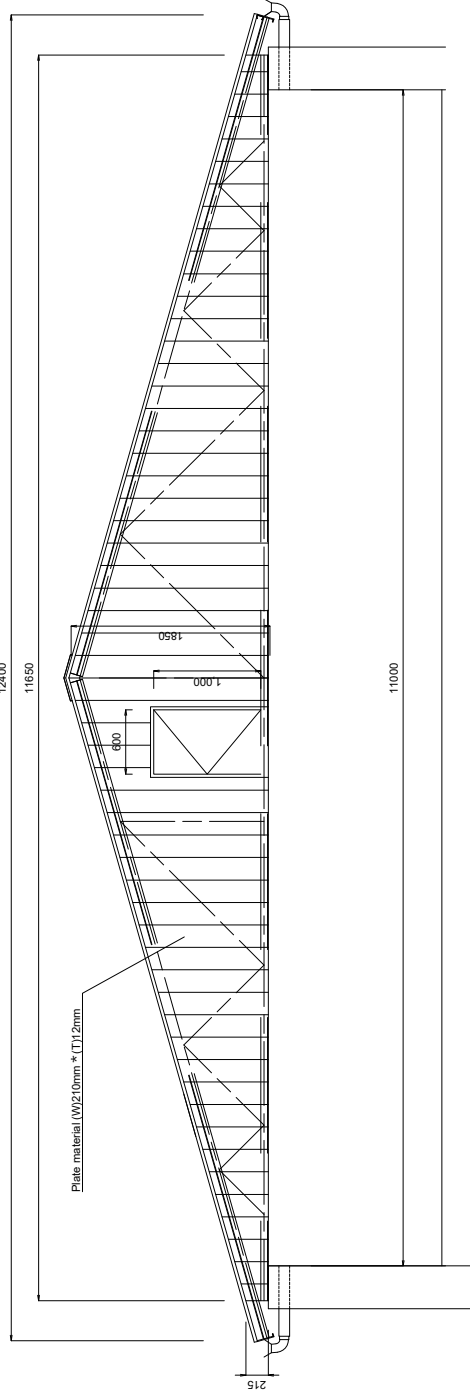
# SECTION (3) OF WATER SUPPLY FACILITY (TYPE-3: 100,000 GALLON / 450m3)



ROOF SECTION S=1:50



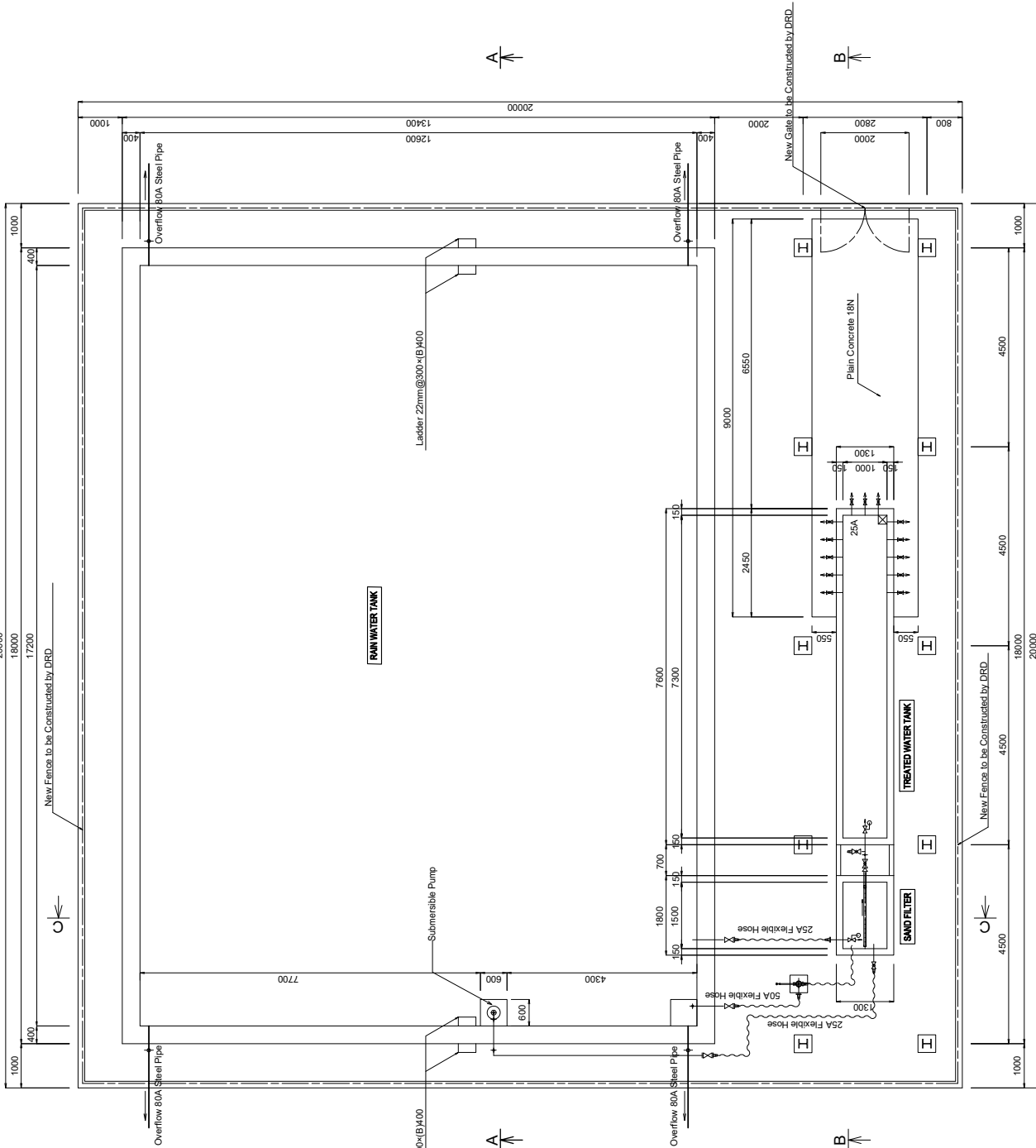
ROOF SECTION S=1:50



ROOF SECTION S=1:50

 THE REPUBLIC OF THE UNION OF MYANMAR AYEYARWADY REGION	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING 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 OCT. 2020	PAGE NO. 15 / 19	

# GENERAL LAYOUT AND PLAN OF WATER SUPPLY FACILITY (TYPE-4: 130,000 GALLON / 585m<sup>3</sup>)

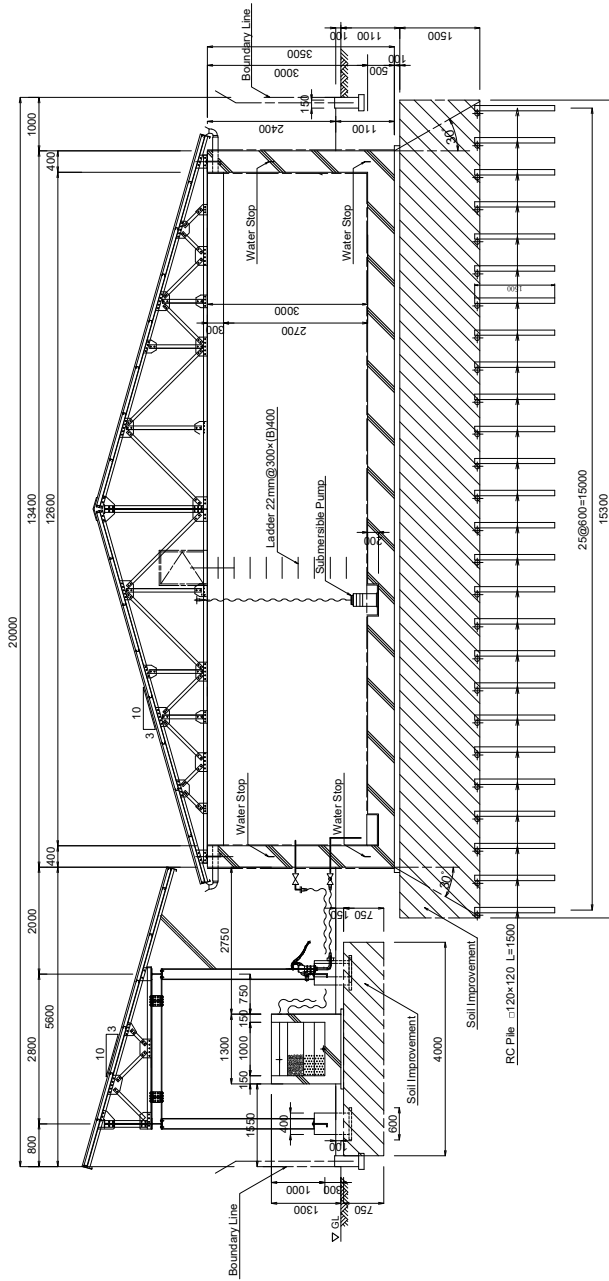


A4-69

 THE REPUBLIC OF THE UNION OF MYANMAR  AYEYARWADY REGION	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIO ENGINEERING 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 OCT. 2020	PAGE NO. 16 / 19	

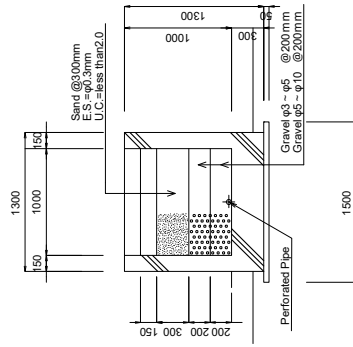


# SECTION (2) OF WATER SUPPLY FACILITY (TYPE-4: 130,000 GALLON / 585m<sup>3</sup>)



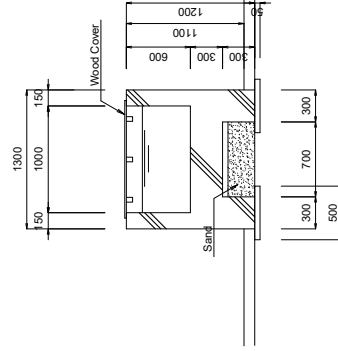
C-C SECTION S=1:100

SAND FILTER



SECTION S=1:50

TREATED WATER TANK

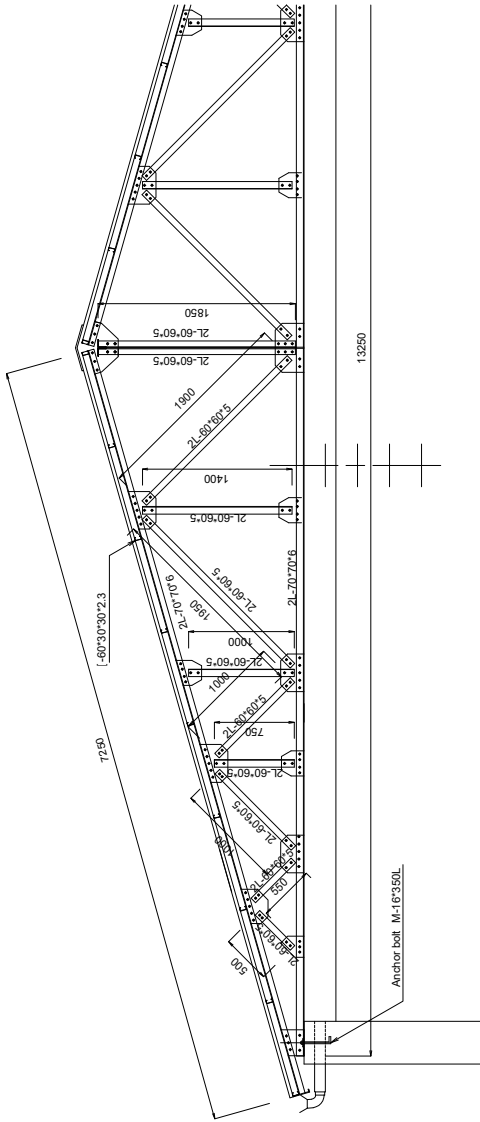


SECTION S=1:50

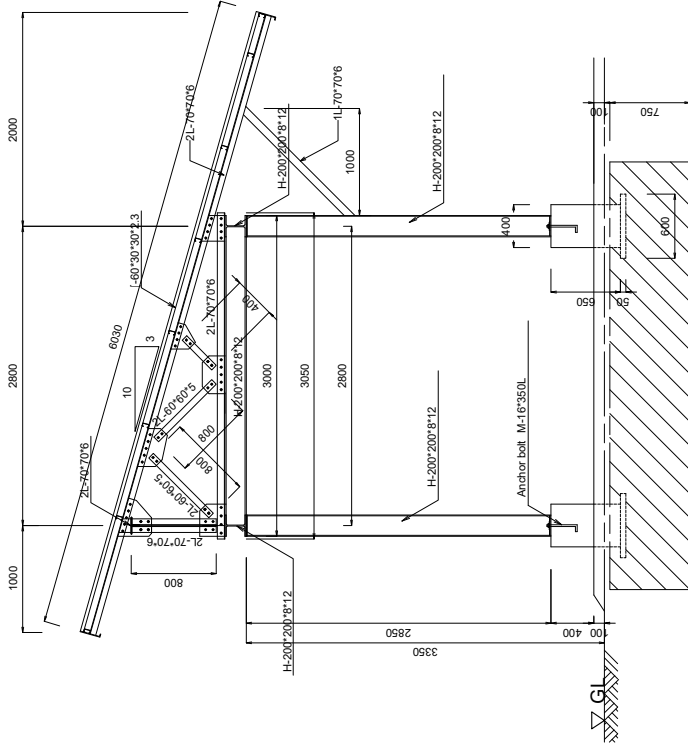
 THE REPUBLIC OF THE UNION OF MYANMAR  AYEYARWADY REGION	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHYO ENGINEERING CO., LTD.	THE PROJECT FOR RURAL INFRASTRUCTURE DEVELOPMENT IN LOCAL AREAS	AYEYARWADY REGION	SHEET CONTENTS SECTION (2) OF WATER SUPPLY FACILITY (TYPE-4: 130,000 GALLON)		SCALE As Shown
			WATER SUPPLY FACILITY	DATE OCT. 2020	PAGE NO. 18 / 19	



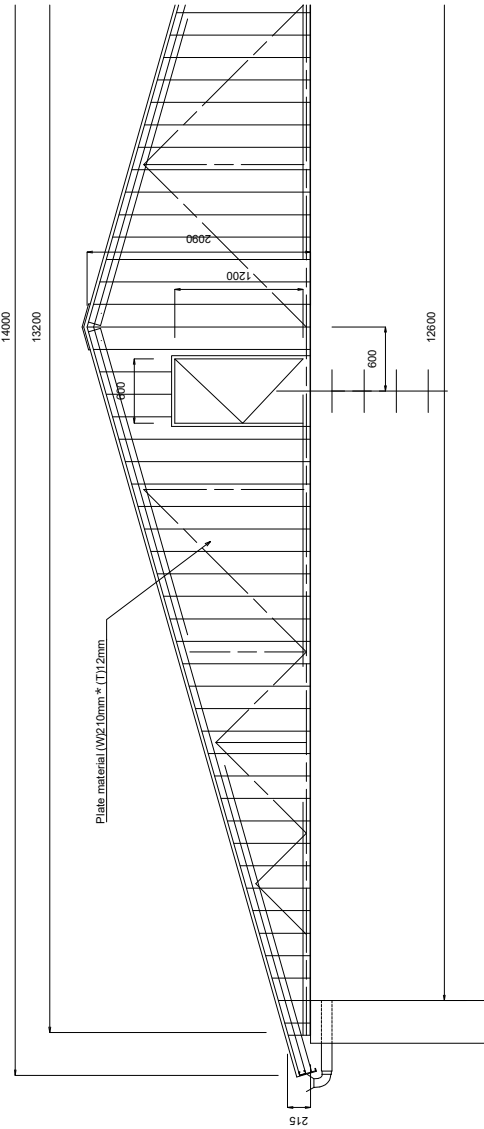
# SECTION (3) OF WATER SUPPLY FACILITY (TYPE-4: 130,000 GALLON / 585m<sup>3</sup>)



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.	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 PAGE NO.	As Shown OCT. 2020 19 / 19