

## 資料- 8 概略設計図

The Project  
for  
Upgrading of National Road Route 1  
in the Republic of Djibouti

REFERENCE DRAWING

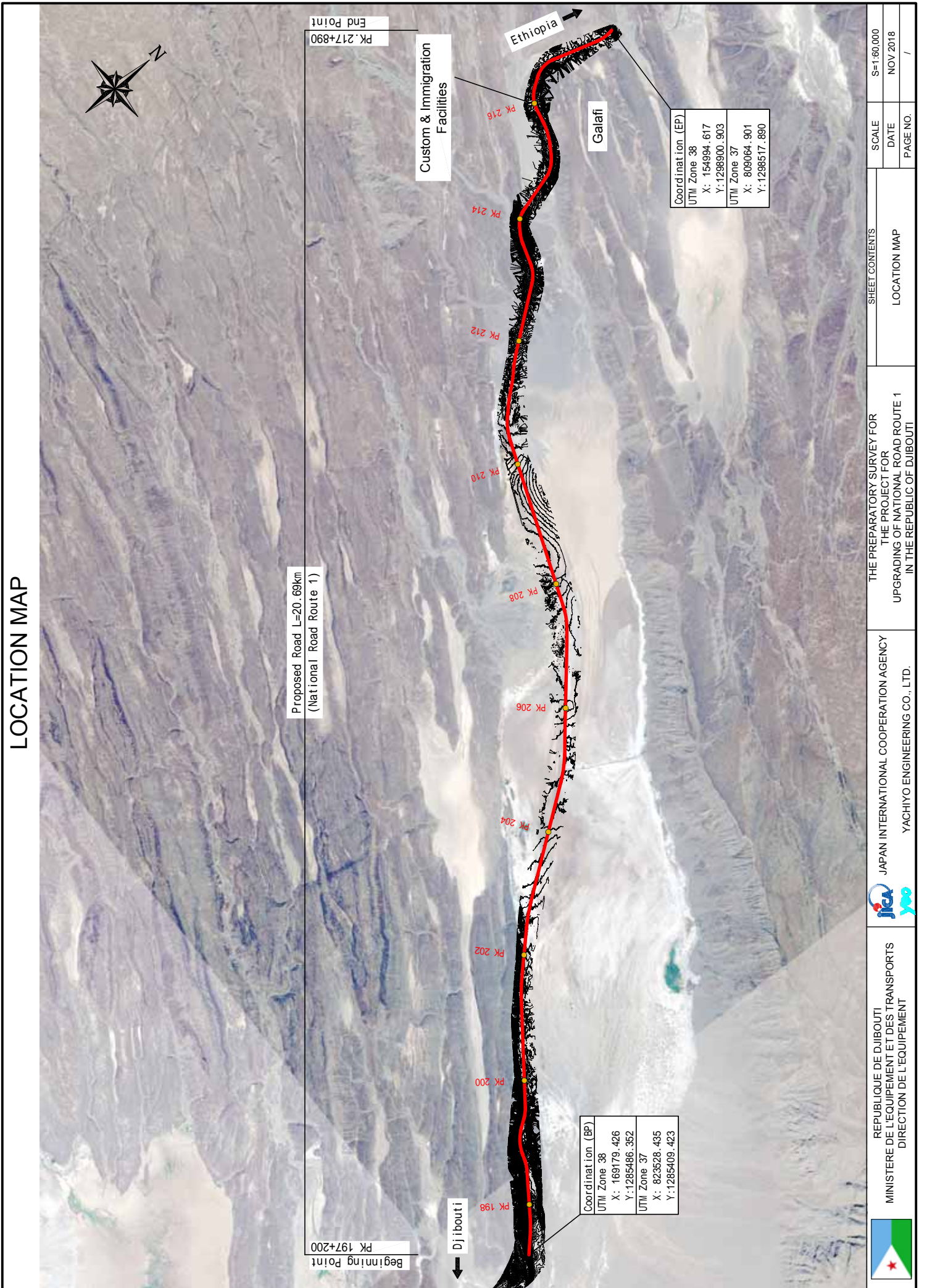
November-18

 YACHIYO ENGINEERING CO., LTD.

# DRAWING LIST

No.	DRAWING TITLE
1	LOCATION MAP
2 • 3	TYPICAL CROSS SECTION (1), (2)
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127	STANDARD DRAWING OF GAURDRAIL
128	STANDARD DRAWING OF FOOT STRUCTURE OF SLOPE
129	STANDARD DRAWING OF PK POST

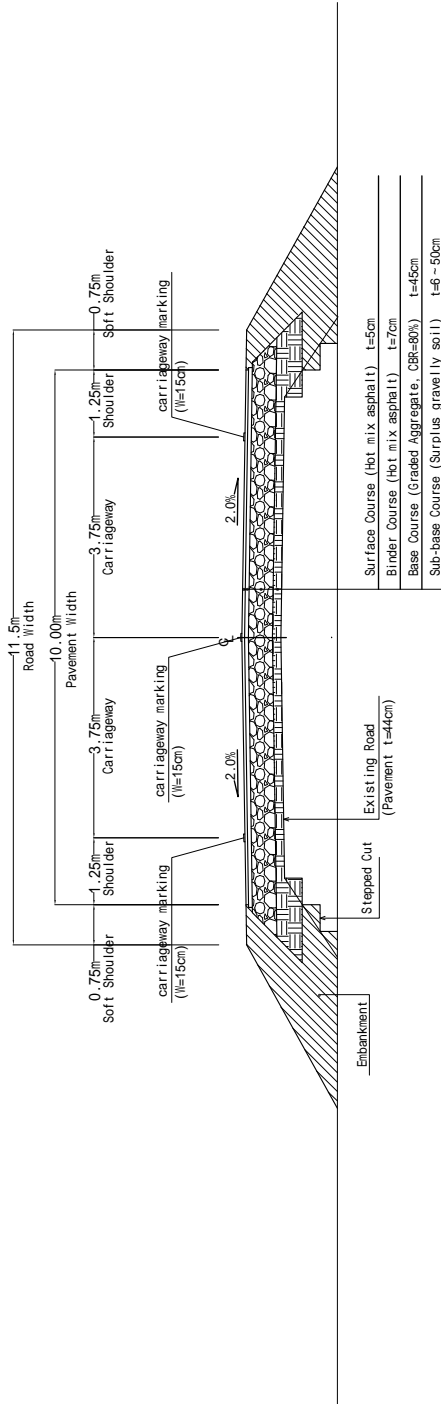
# LOCATION MAP



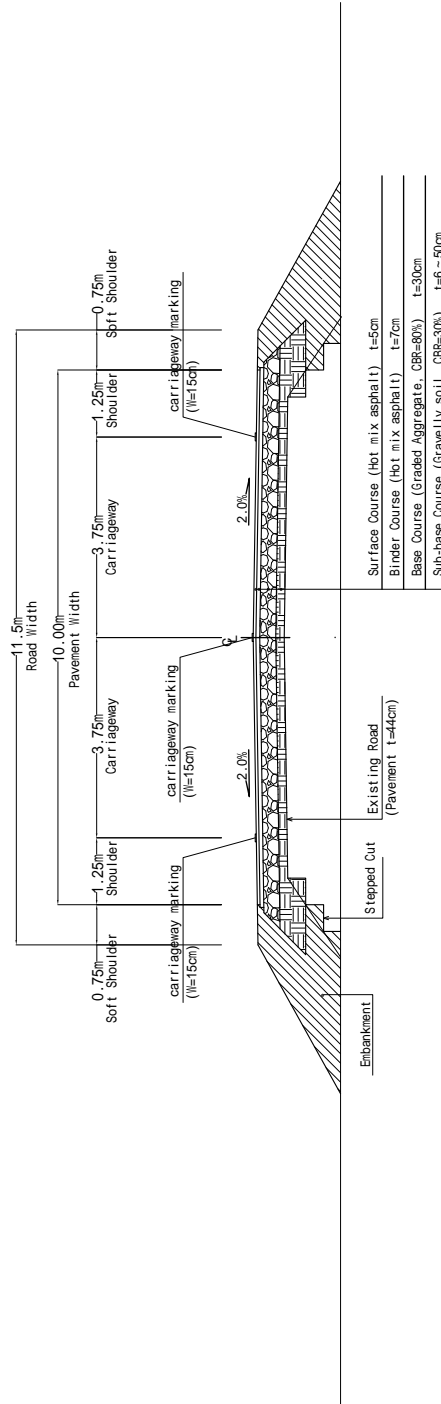
 REPUBLIQUE DE DJIBOUTI MINISTRE DE L'EQUIPEMENT ET DES TRANSPORTS DIRECTION DE L'EQUIPEMENT	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.	THE PREPARATORY SURVEY FOR THE PROJECT FOR UPGRADING OF NATIONAL ROAD ROUTE 1 IN THE REPUBLIC OF DJIBOUTI		SCALE S=1:60,000
		SHEET CONTENTS LOCATION MAP		DATE NOV 2018





# TYPICAL CROSS SECTION S=1:100



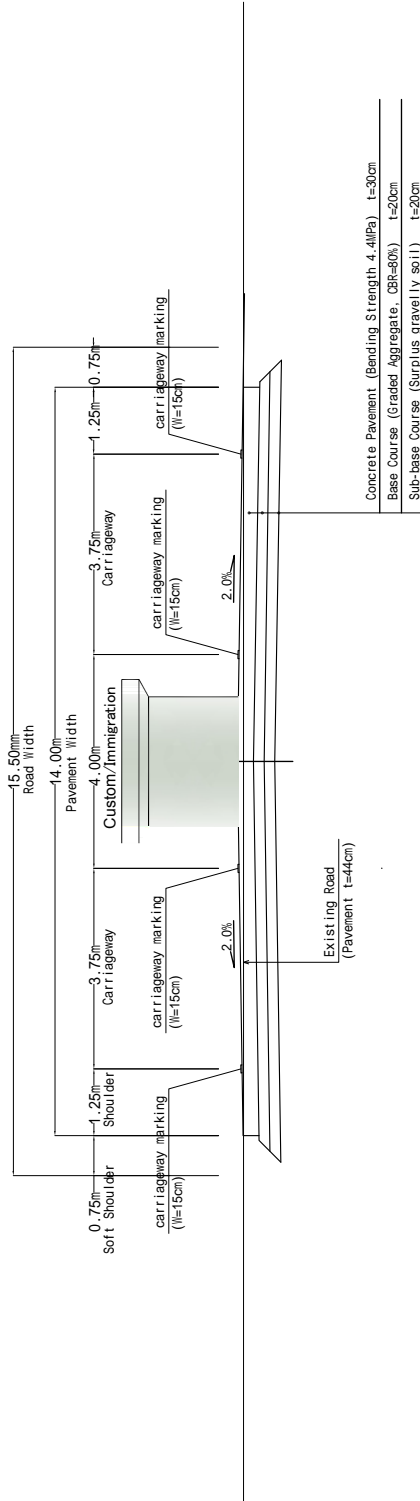
Type 1: Section of PK200 ~ PK 210



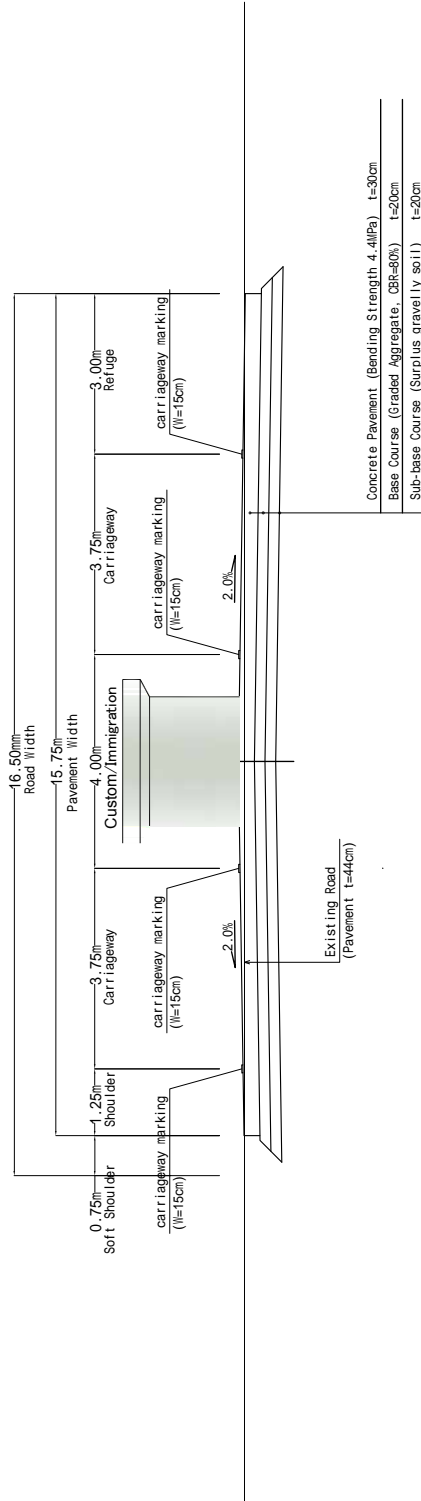
Type 2: Section of BP ~ PK 200, PK210 ~ EP

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# TYPICAL CROSS SECTION S=1:100



Type 3: Section of PK215+890 ~ PK 216+305

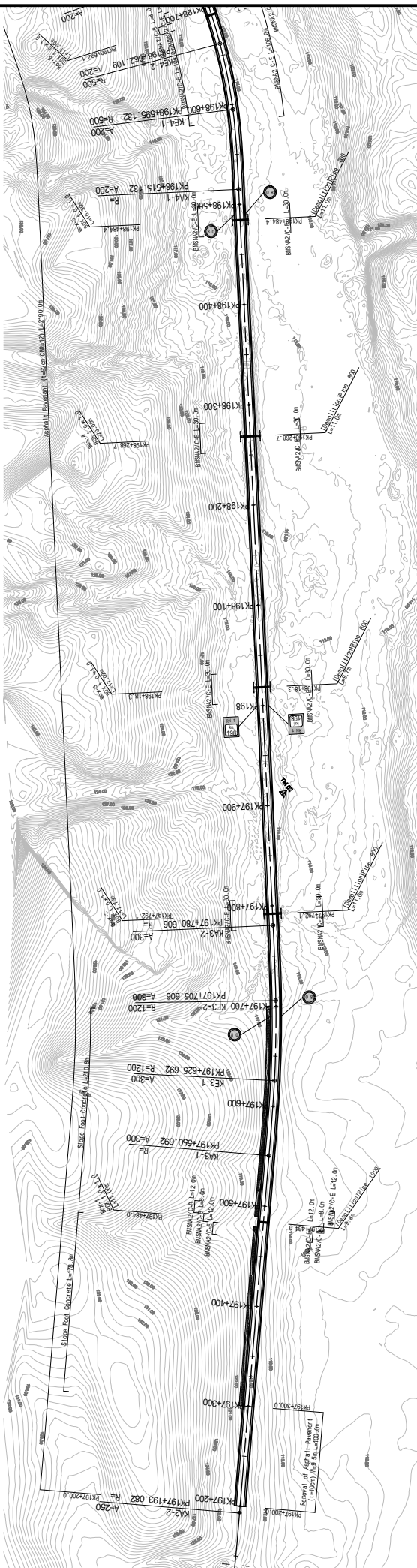


Type 4: Section of PK216+144 ~ PK216+206

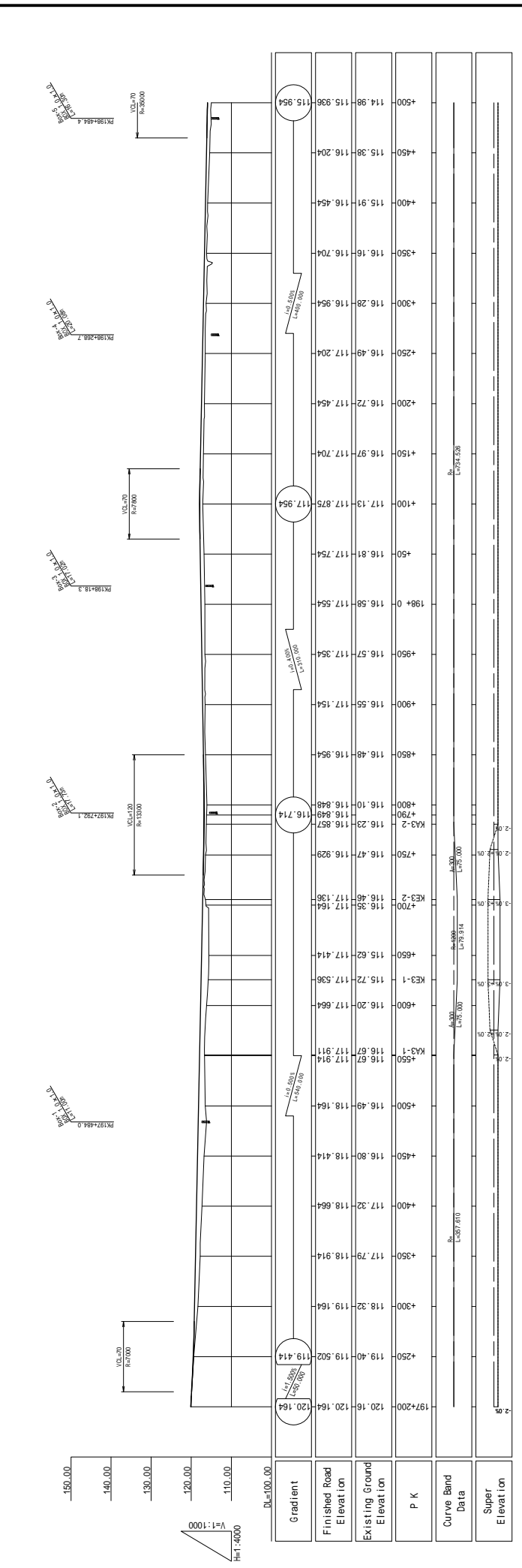
 REPUBLIQUE DE DJIBOUTI MINISTERE DE L'EQUIPEMENT ET DES TRANSPORTS DIRECTION DE L'EQUIPEMENT	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIO ENGINEERING CO., LTD.	THE PREPARATORY SURVEY FOR THE PROJECT FOR UPGRADING OF NATIONAL ROAD ROUTE 1 IN THE REPUBLIC OF DJIBOUTI	SHEET CONTENTS	
			TYPICAL CROSS SECTION 2/2	
			SCALE	S=1:100
			DATE	NOV 2018
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# PLAN & PROFILE


PLAN S=1:4000



PROFILE V=1:1000 H=1:4000




**REPUBLIQUE DE DJIBOUTI**  
**MINISTRE DE L'EQUIPEMENT ET DES TRANSPORTS**  
**DIRECTION DE L'EQUIPEMENT**


**JAPAN INTERNATIONAL COOPERATION AGENCY**  
**YACHIYO ENGINEERING CO., LTD.**

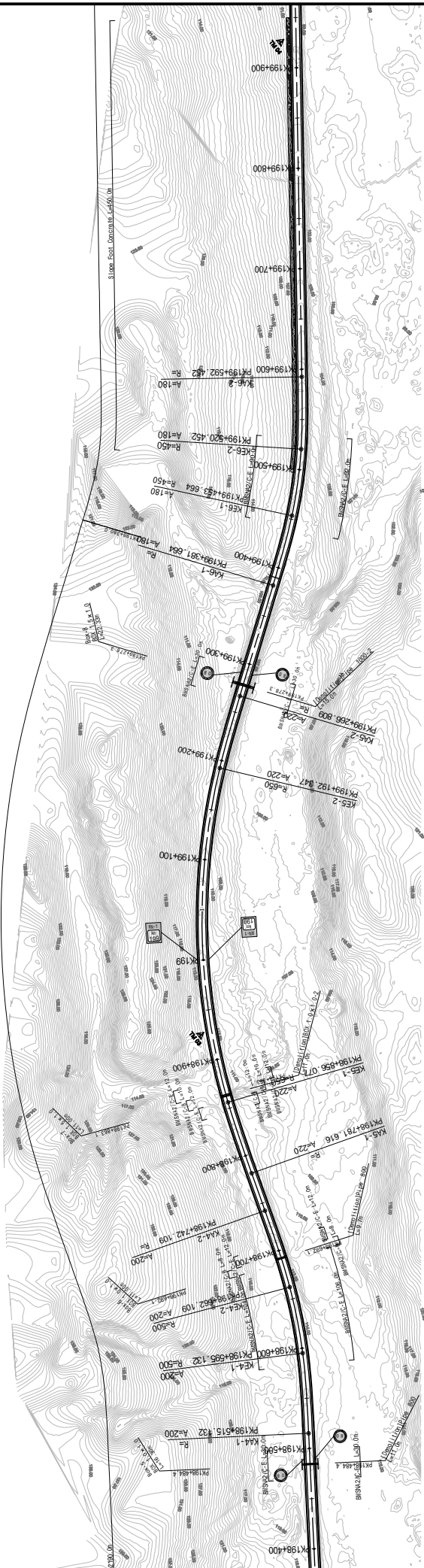
**THE PREPARATORY SURVEY FOR**  
**THE PROJECT FOR**  
**UPGRADING OF NATIONAL ROAD ROUTE 1**  
**IN THE REPUBLIC OF DJIBOUTI**

**SHEET CONTENTS**  
**PLAN & PROFILE**  
**PK197+200 ~ PK198+500**

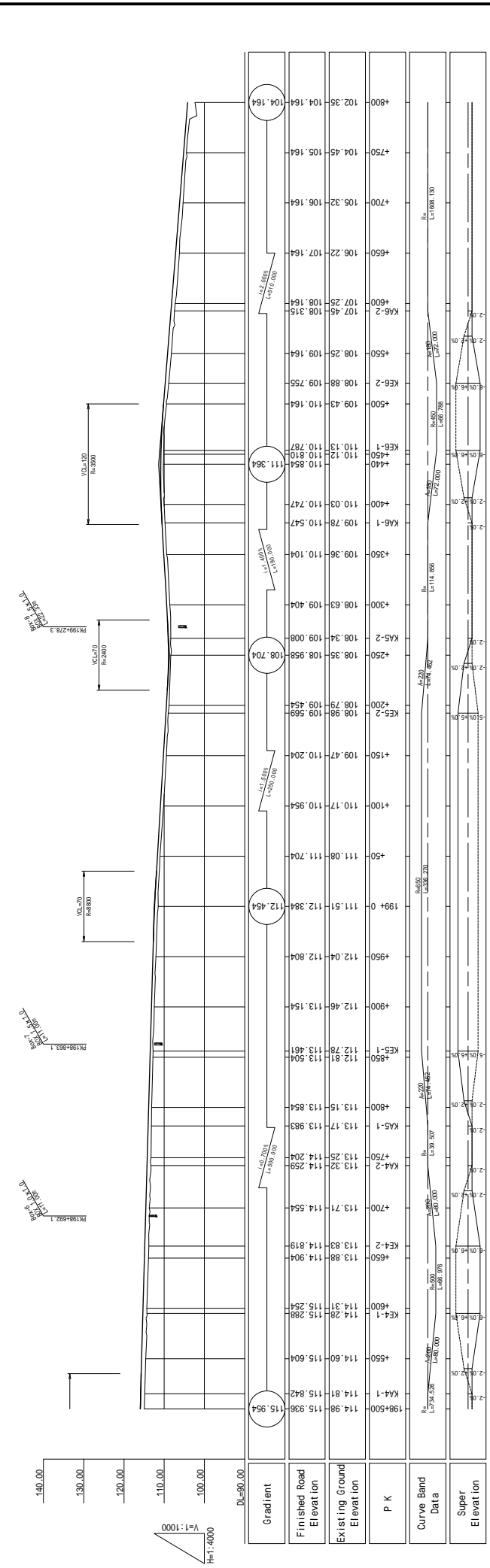
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**DATE** NOV 2018  
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# PLAN & PROFILE

PLAN S=1:4000



PROFILE V=1:1000 H=1:4000

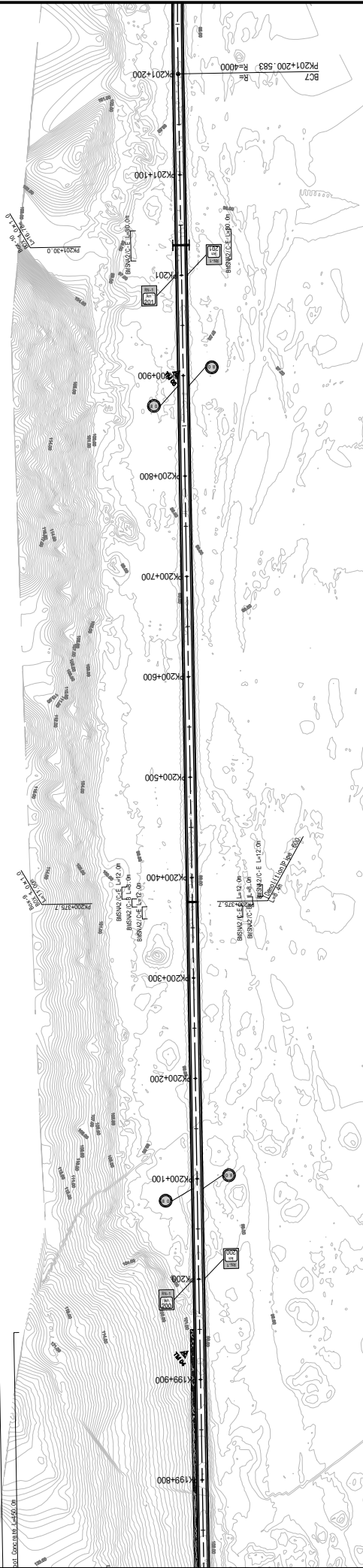


Gradient	Finished Road Elevation	Existing Ground Elevation	P K	Curve Band Data	Super Elevation
115.954	114.98	115.936	198+500	114.98	115.936
114.842	114.81	115.842	KA4-1	114.81	115.842
114.604	114.604	115.604	KE4-1	114.604	115.604
115.289	114.29	115.289	KE4-2	114.29	115.289
114.554	114.71	114.554	KA4-2	114.71	114.554
114.259	113.32	114.259	KA4-1	113.32	114.259
113.854	113.15	113.854	KA5-1	113.15	113.854
113.504	112.61	113.504	KE5-1	112.61	113.504
113.154	112.46	113.154	KA5-2	112.46	113.154
112.804	112.04	112.804	199+0	112.04	112.804
112.394	111.51	112.394	KA5-0	111.51	112.394
111.704	111.08	111.704	KA6-1	111.08	111.704
110.954	110.17	110.954	KA6-2	110.17	110.954
110.204	109.47	110.204	KA5-2	109.47	110.204
109.569	108.79	109.569	KE5-2	108.79	109.569
108.454	108.35	108.958	KA5-1	108.35	108.958
108.008	108.34	109.008	KA6-2	108.34	109.008
109.404	108.63	109.404	KA6-1	108.63	109.404
110.104	109.36	110.104	KE6-1	109.36	110.104
110.547	110.78	110.547	KA6-2	110.78	110.547
110.810	110.13	110.810	KE6-1	110.13	110.810
110.767	110.12	110.767	KA6-1	110.12	110.767
108.815	107.25	108.815	KA6-2	107.25	108.815
108.164	108.25	109.164	KE6-2	108.25	109.164
107.755	108.88	109.755	KA6-1	108.88	109.755
106.164	106.22	107.164	KE6-2	106.22	107.164
105.32	105.32	106.164	KA6-2	105.32	106.164
104.164	104.45	105.164	KA6-1	104.45	105.164
104.164	102.35	104.164	KA6-2	102.35	104.164

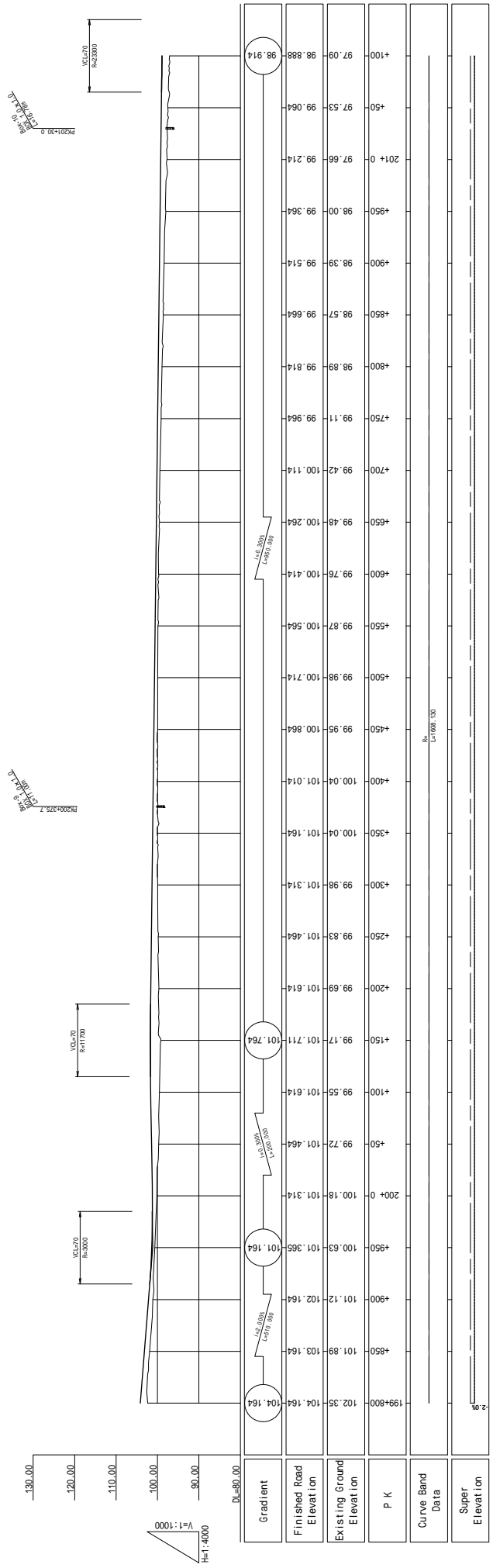


# PLAN & PROFILE


PLAN S=1:4000




PROFILE V=1:1000 H=1:4000



Gradient	Finished Road Elevation	Existing Ground Elevation	P K	Curve Band Data	Super Elevation
			199+800	102.35	104.164
			+850	101.89	103.164
			+900	101.12	102.164
			+950	100.63	101.365
			+1000	99.55	101.614
			+1050	99.72	101.464
			+1100	99.55	101.614
			+1150	99.17	101.711
			+1200	99.69	101.614
			+250	99.83	101.464
			+300	99.98	101.314
			+350	100.04	101.164
			+400	100.04	101.014
			+450	99.95	100.864
			+500	99.98	100.714
			+550	99.87	100.564
			+600	99.76	100.414
			+650	99.48	100.264
			+700	99.42	100.114
			+750	99.11	99.964
			+800	98.89	99.814
			+850	98.57	99.664
			+900	98.39	99.514
			+950	98.00	99.364
			+1000	97.66	99.214
			+1050	97.53	99.064
			+1100	97.09	98.888
				98.914	


 REPUBLIQUE DE DJIBOUTI  
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 DIRECTION DE L'EQUIPEMENT

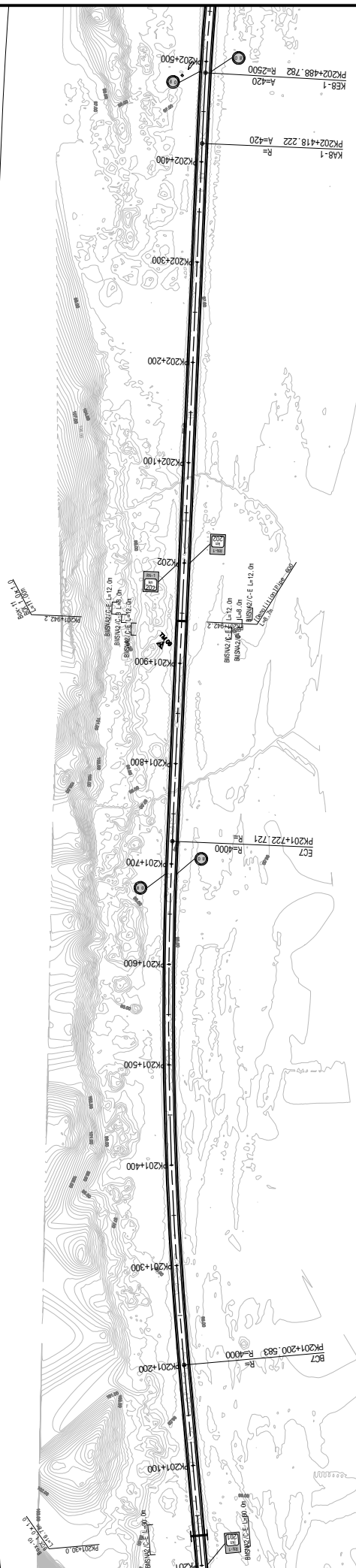

 JAPAN INTERNATIONAL COOPERATION AGENCY  
 YACHIYO ENGINEERING CO., LTD.

SHEET CONTENTS  
 PLAN & PROFILE  
 PK199+800 ~ PK201+100

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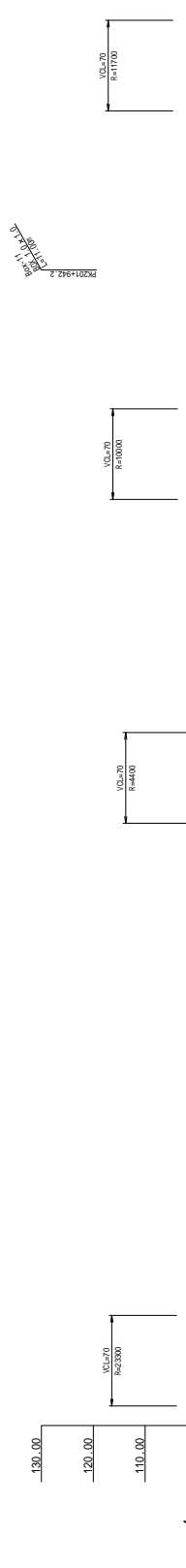
# PLAN & PROFILE

PLAN S=1:4000




# PROFILE


V=1:1000  
H=1:4000



Station	Existing Ground Elevation	Finished Road Elevation	Gradient
201+100	97.09	98.888	98.914
201+150	96.94	98.614	98.314
201+200	97.01	98.314	98.314
201+250	96.29	98.014	97.714
201+300	95.91	97.714	97.714
201+350	95.83	97.414	97.414
201+400	95.65	97.114	97.114
201+450	95.65	96.814	96.814
201+500	95.51	96.514	96.514
201+550	95.60	96.354	96.214
201+600	95.57	96.714	96.714
201+650	95.96	97.214	97.214
201+700	96.29	97.714	97.714
201+750	96.50	97.941	97.941
201+800	96.62	98.214	98.214
201+850	96.80	98.653	98.653
201+900	96.15	99.014	99.014
201+950	98.30	99.164	99.164
202+000	98.46	99.314	99.314
202+050	98.72	99.464	99.464
202+100	97.74	99.561	99.561
202+150	97.56	99.464	99.464
202+200	97.65	99.314	99.314
202+250	97.58	99.164	99.164
202+300	97.59	99.014	99.014
202+350	97.67	98.864	98.864
202+400	97.67	98.714	98.714


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**YACHIYO ENGINEERING CO., LTD.**

**THE PREPARATORY SURVEY FOR**  
**THE PROJECT FOR**  
**UPGRADING OF NATIONAL ROAD ROUTE 1**  
**IN THE REPUBLIC OF DJIBOUTI**

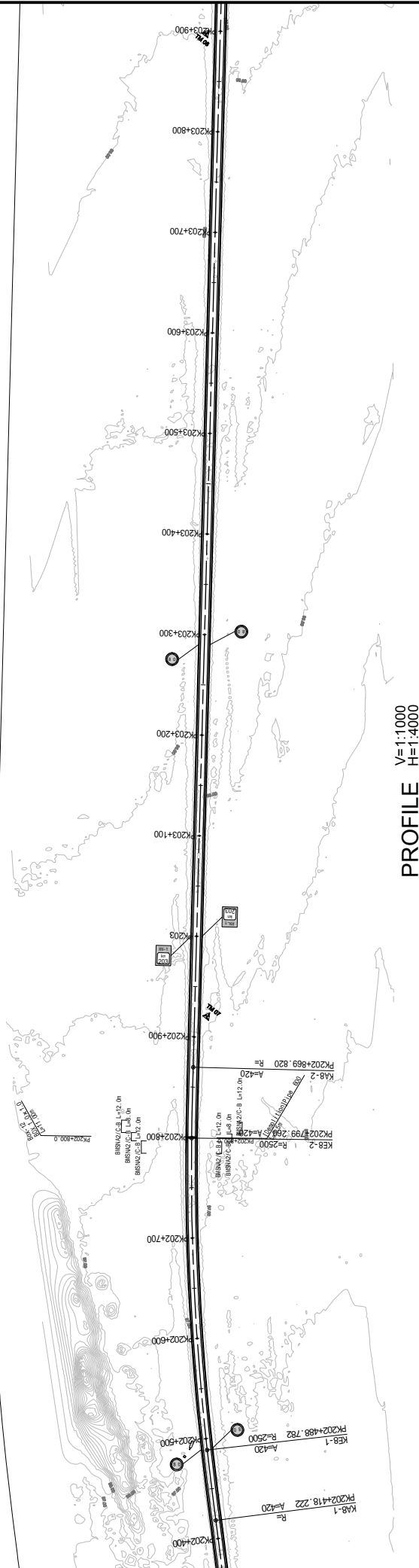
**SHEET CONTENTS**  
**PLAN & PROFILE**  
**PK201+100 ~ PK202+400**

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**DATE** NOV 2018  
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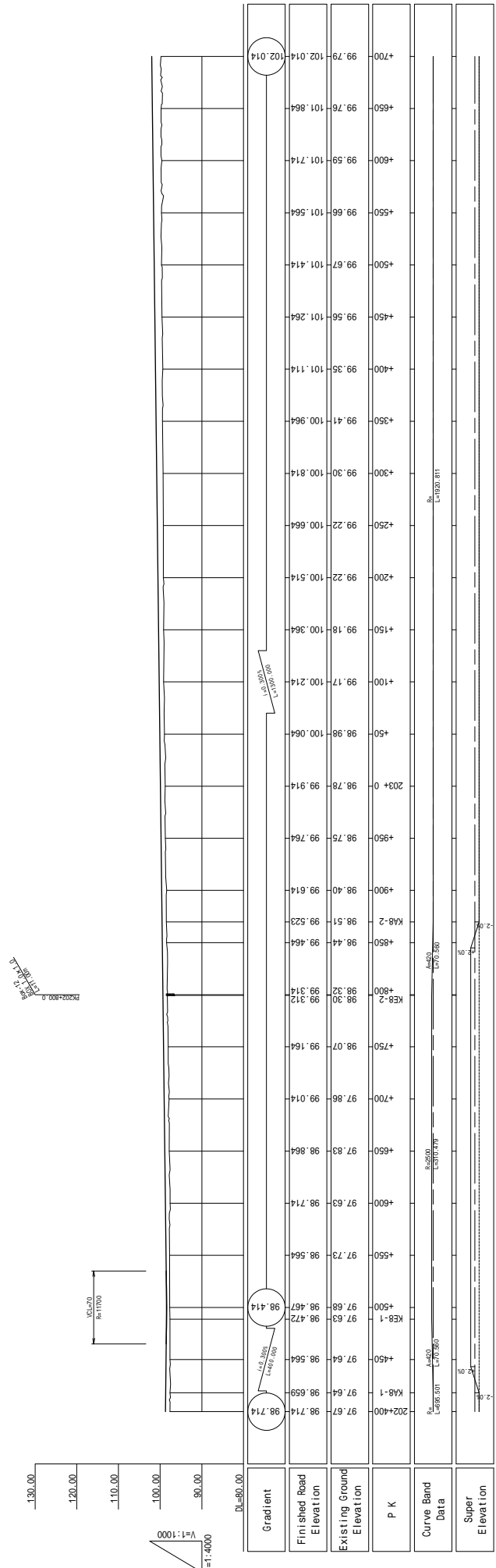




# PLAN & PROFILE

PLAN S=1:4000



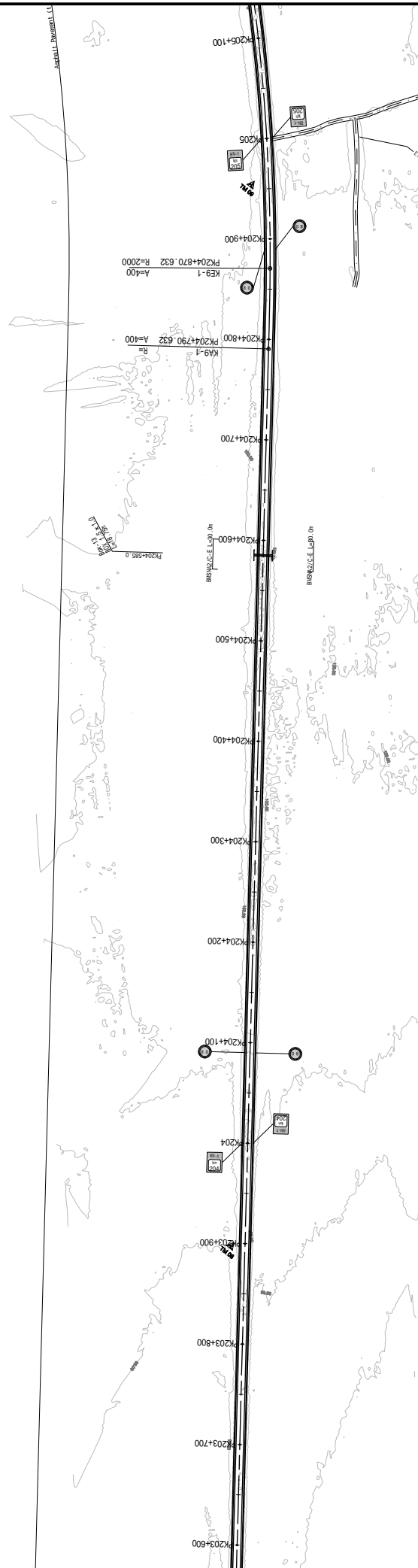
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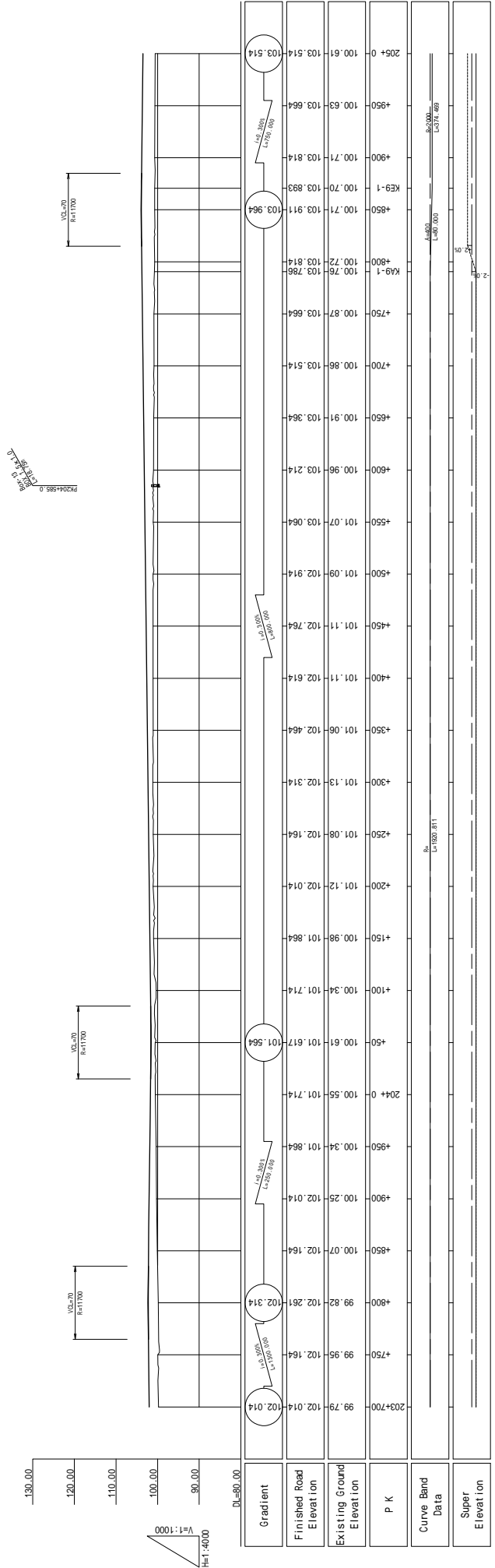
 REPUBLIQUE DE DJIBOUTI MINISTERE DE L'EQUIPEMENT ET DES TRANSPORTS DIRECTION DE L'EQUIPEMENT	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIOI ENGINEERING CO., LTD.	THE PREPARATORY SURVEY FOR THE PROJECT FOR UPGRADING OF NATIONAL ROAD ROUTE 1 IN THE REPUBLIC OF DJIBOUTI	SHEET CONTENTS PLAN & PROFILE PK202+400 ~ PK203+700	SCALE V=1:1000, H=1:4000
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# PLAN & PROFILE


PLAN S=1:4000



PROFILE V=1:1000 H=1:4000

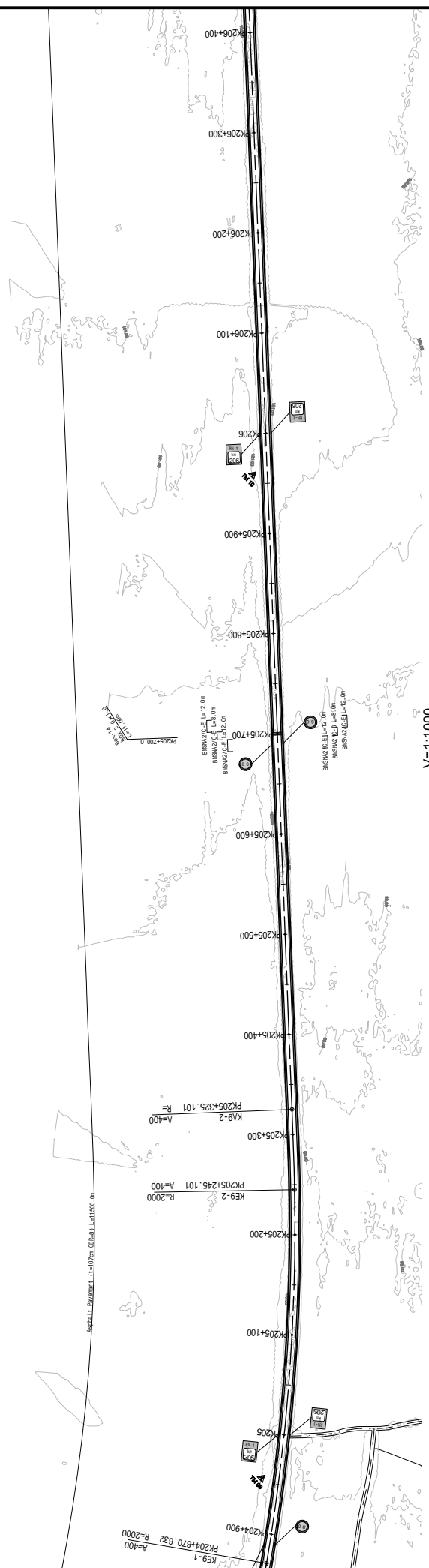


Gradient	Finished Road Elevation	Existing Ground Elevation	P K	Curve Bend Data	Super Elevation
DL=80.00	102.014	99.79	203+700	LA=1000.000 L=1000.000	
	102.314	99.82	+800		
	102.164	99.95	+750		
	102.014	100.25	+900		
	101.864	100.34	+950		
	101.714	100.55	204+0		
	101.617	100.61	+50		
	101.564	100.67	+100		
	101.414	100.74	+150		
	101.264	100.88	+200		
	101.114	101.08	+250		
	100.964	101.13	+300		
	100.814	101.11	+350		
	100.664	101.06	+400		
	100.514	100.99	+450		
	100.364	100.92	+500		
	100.214	100.84	+550		
	100.064	100.76	+600		
	100.914	100.64	+650		
	100.764	100.514	+700		
	100.614	100.364	+750		
	100.514	100.214	+800		
	100.364	100.064	+850		
	100.214	100.914	+900		
	100.064	100.764	+950		
	100.914	100.614	205+0		

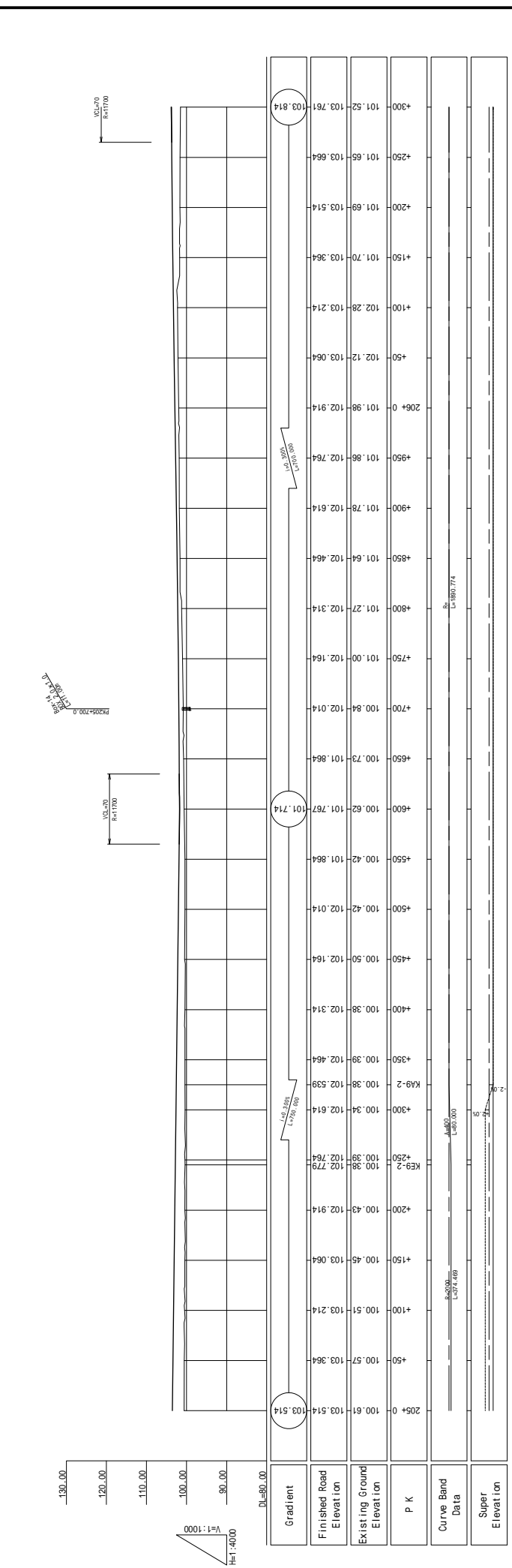
 <p>REPUBLIQUE DE DJIBOUTI MINISTRE DE L'EQUIPEMENT ET DES TRANSPORTS DIRECTION DE L'EQUIPEMENT</p>	 <p>JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.</p>	<p>THE PREPARATORY SURVEY FOR THE PROJECT FOR UPGRADING OF NATIONAL ROAD ROUTE 1 IN THE REPUBLIC OF DJIBOUTI</p>		<p>SHEET CONTENTS PLAN &amp; PROFILE PK203+700 ~ PK205+000</p>	<p>SCALE V=1:1000, H=1:4000</p>
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# PLAN & PROFILE


PLAN S=1:4000



PROFILE V=1:1000 H=1:4000




Gradient	Finished Road Elevation	Existing Ground Elevation	P K	Curve Band Data	Super Elevation
	103.814	103.814	205+0		
	101.65	103.664	+250		
	101.69	103.514	+200		
	101.70	103.364	+150		
	102.28	103.214	+100		
	102.12	103.064	+50		
	101.98	102.914	206+0		
	101.86	102.764	+950		
	101.78	102.614	+900		
	101.64	102.464	+850		
	101.27	102.314	+800		
	101.00	102.164	+750		
	100.84	102.014	+700		
	100.73	101.864	+650		
	100.62	101.767	+600		
	100.42	101.864	+550		
	100.42	102.014	+500		
	100.50	102.164	+450		
	100.38	102.314	+400		
	100.39	102.464	+350		
	100.38	102.539	KA9-2		
	100.34	102.614	+300		
	100.38	102.719	KE9-2		
	100.39	102.764	+250		
	100.43	102.914	+200		
	100.45	103.064	+150		
	100.51	103.214	+100		
	100.57	103.364	+50		
	100.61	103.514	205+0		



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JAPAN INTERNATIONAL COOPERATION AGENCY  
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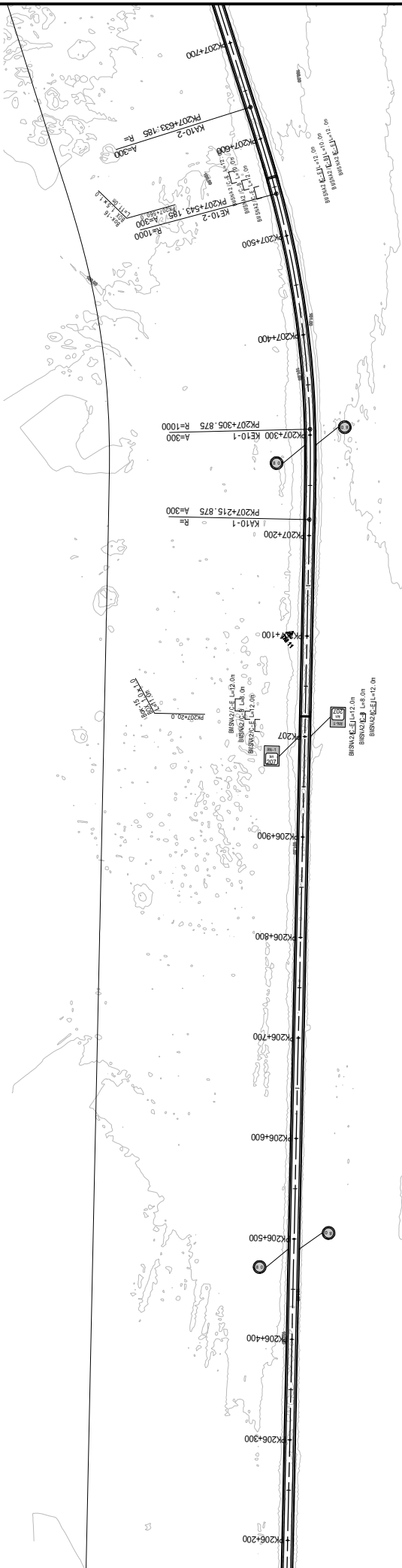


SHEET CONTENTS  
PLAN & PROFILE  
PK205+000 ~ PK206+300

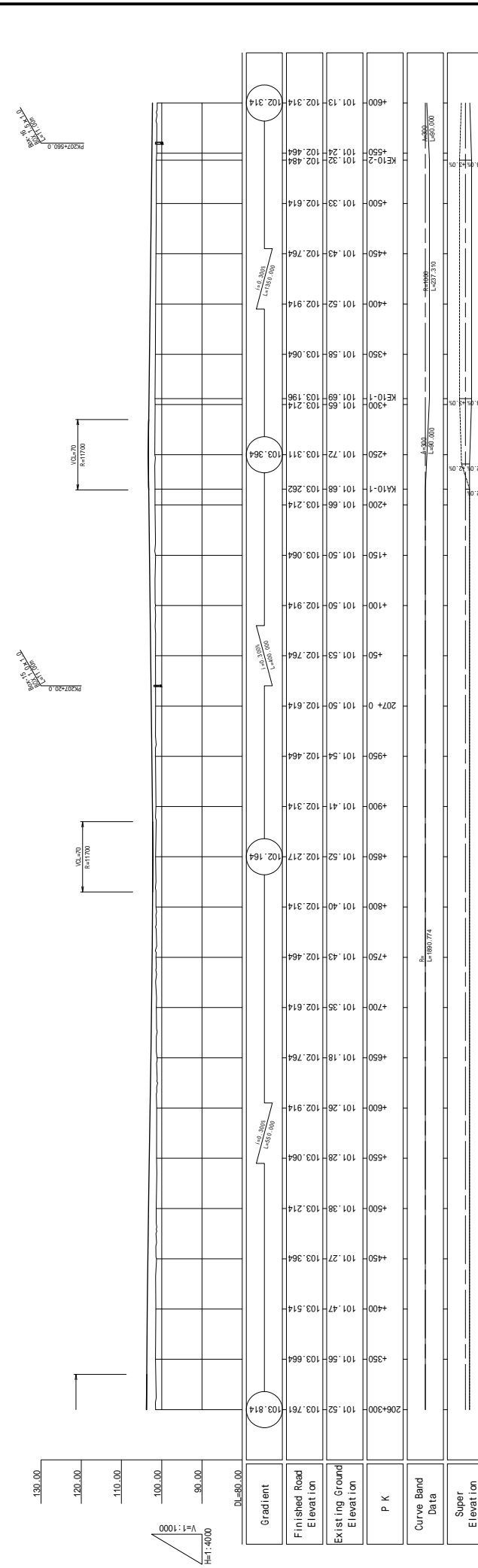
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# PLAN & PROFILE

PLAN S=1:4000



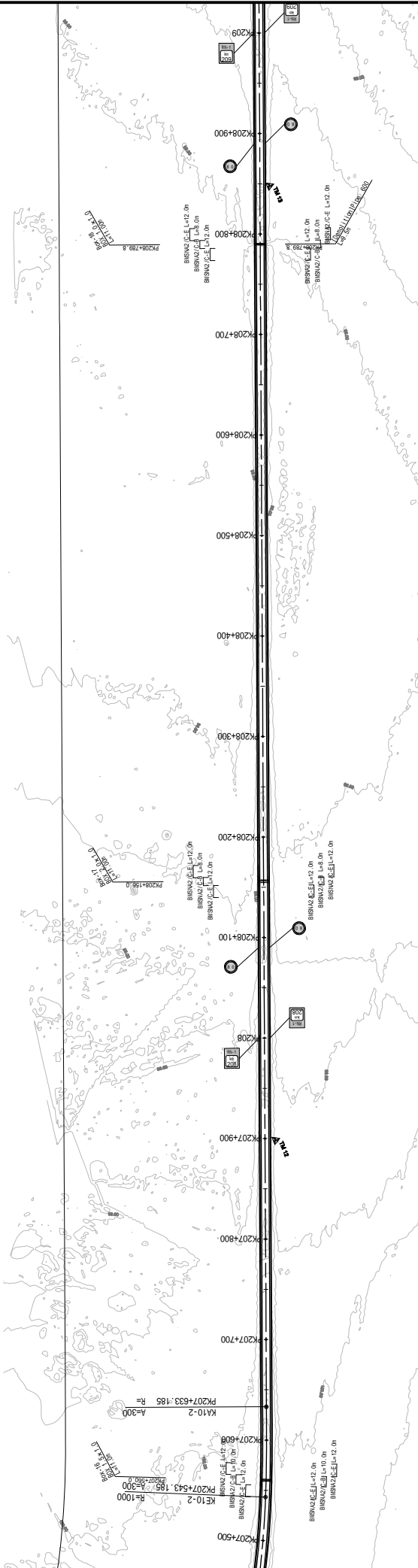
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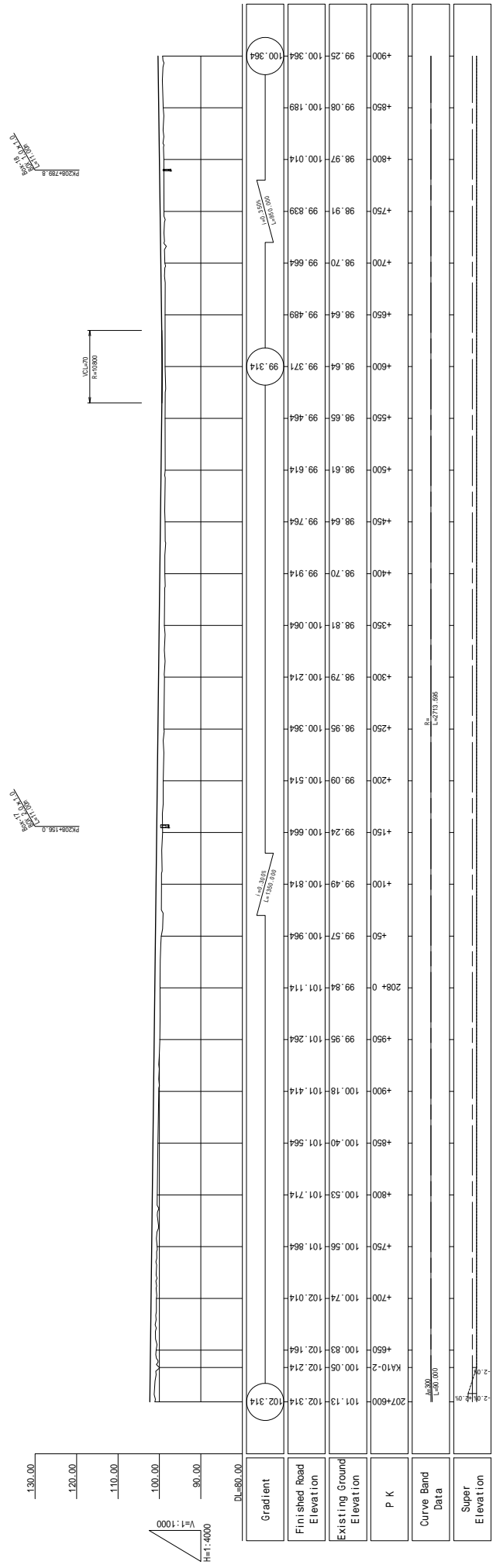
 <p>REPUBLIQUE DE DJIBOUTI MINISTERE DE L'EQUIPEMENT ET DES TRANSPORTS DIRECTION DE L'EQUIPEMENT</p>	 <p>JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.</p>	<p>SHEET CONTENTS</p> <p>PLAN &amp; PROFILE PK206+300 ~ PK207+600</p>		<p>SCALE</p> <p>V=1:1000, H=1:4000</p>
		<p>DATE</p> <p>NOV 2018</p>	<p>PAGE NO.</p> <p>10 / 131</p>	

# PLAN & PROFILE

PLAN S=1:4000



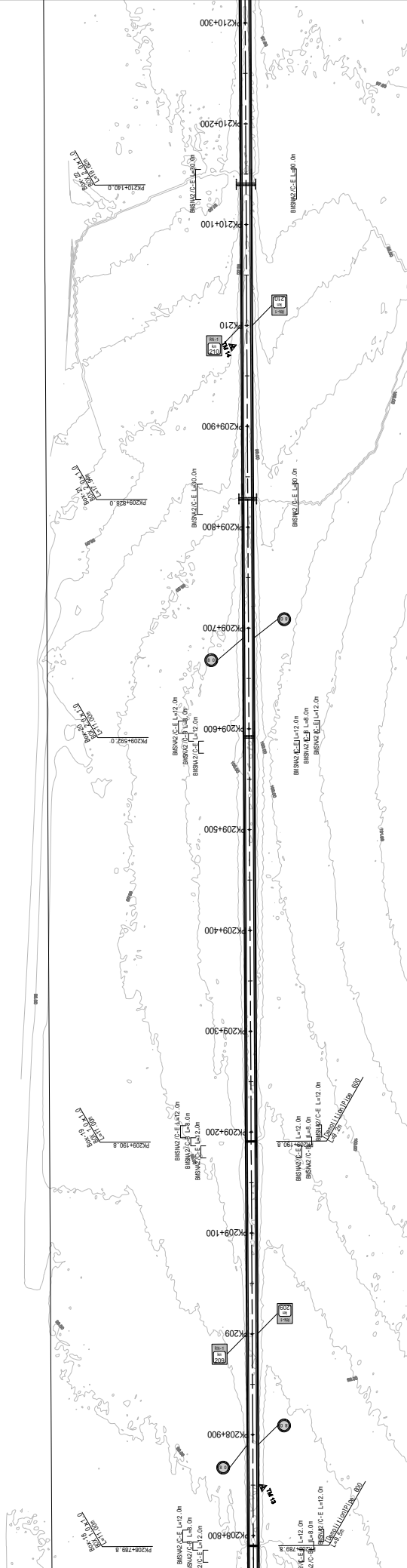
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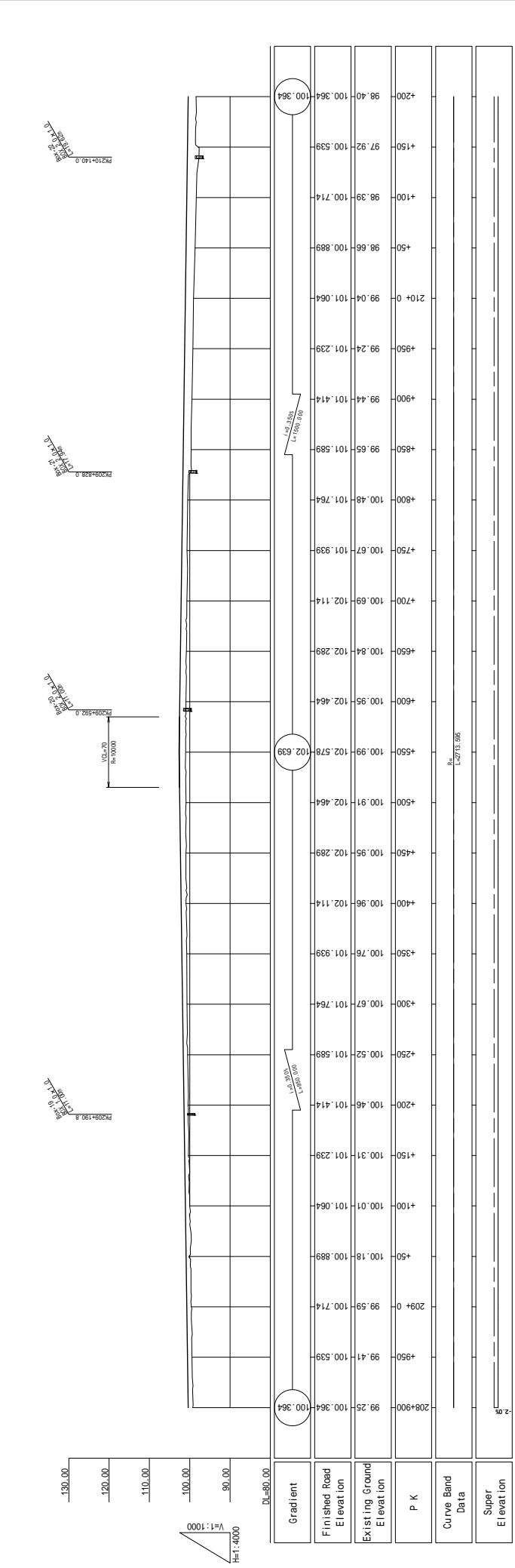
<p>REPUBLIQUE DE DJIBOUTI MINISTRE DE L'EQUIPEMENT ET DES TRANSPORTS DIRECTION DE L'EQUIPEMENT</p>	<p>JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.</p>	SHEET CONTENTS PLAN & PROFILE PK207+600 ~ PK208+900		SCALE V=1:1000, H=1:4000
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# PLAN & PROFILE

PLAN S=1:4000



PROFILE V=1:1000 H=1:4000



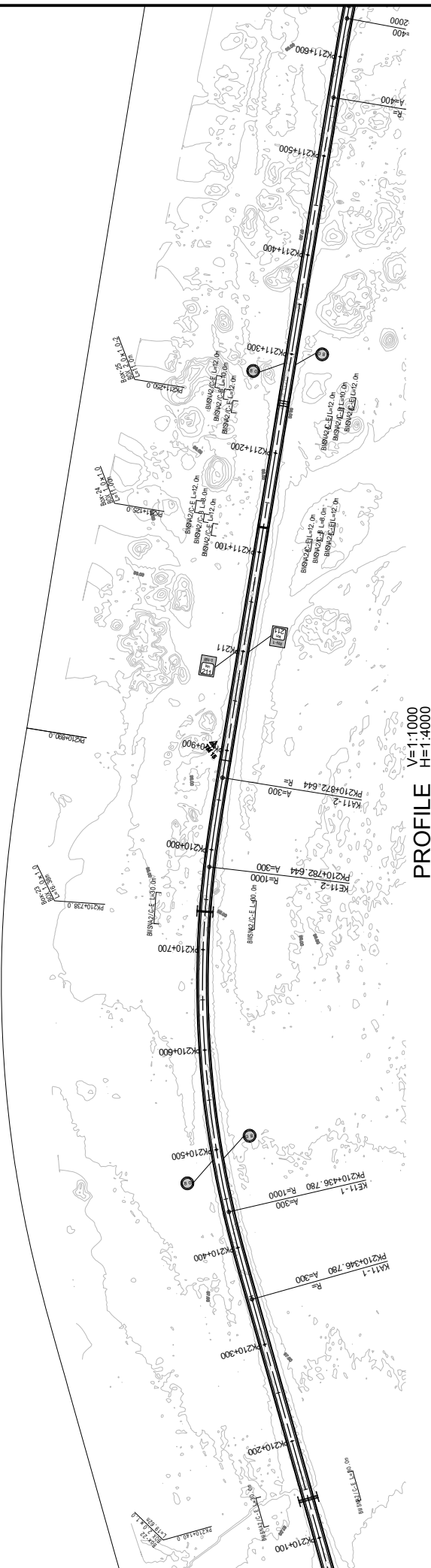
Gradient	Finished Road Elevation	Existing Ground Elevation	P K	Curve Band Data	Super Elevation
100.364	99.25	100.364	208+900		
100.539	99.41	100.539	+950		
100.714	99.59	100.714	+50		
100.889	100.18	100.889	+100		
101.064	100.01	101.064	+150		
101.239	100.31	101.239	+200		
101.414	100.46	101.414	+250		
101.589	100.52	101.589	+300		
101.764	100.67	101.764	+350		
101.939	100.76	101.939	+400		
102.114	100.96	102.114	+450		
102.289	100.95	102.289	+500		
102.464	100.91	102.464	+550		
102.578	100.99	102.578	+600		
102.464	100.95	102.464	+650		
102.289	100.84	102.289	+700		
102.114	100.69	102.114	+750		
101.939	100.48	101.939	+800		
101.764	100.44	101.764	+850		
101.589	99.65	101.589	+900		
101.414	99.24	101.414	+950		
101.239	99.04	101.239	+100		
100.889	98.66	100.889	+150		
100.714	98.39	100.714	+200		
100.539	97.92	100.539	+250		
100.364	98.40	100.364	+300		

 <p>REPUBLIQUE DE DJIBOUTI MINISTRE DE L'EQUIPEMENT ET DES TRANSPORTS DIRECTION DE L'EQUIPEMENT</p>	 <p>JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.</p>	<p>SHEET CONTENTS PLAN &amp; PROFILE PK208+900 ~ PK210+200</p>		<p>SCALE V=1:1000, H=1:4000</p>
		<p>DATE NOV 2018</p>	<p>PAGE NO. 12 / 131</p>	

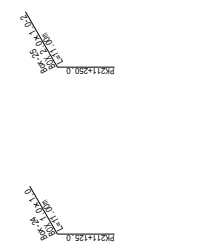


# PLAN & PROFILE

PLAN S=1:4000



PROFILE V=1:1000 H=1:4000



Station	Existing Ground Elevation	Finished Road Elevation	Gradient
210+200	98.40	100.364	100.364
+250	98.16	100.193	98.04
+300	98.04	100.014	97.66
+350	97.70	99.850	97.70
+400	97.53	99.664	97.53
+450	97.71	99.489	97.71
+500	97.37	99.314	97.37
+550	97.53	99.139	97.53
+600	97.31	98.964	97.31
+650	97.21	98.789	97.21
+700	97.15	98.614	97.15
+750	96.98	98.439	96.98
+800	96.89	98.264	96.89
+850	96.77	98.089	96.77
+900	96.59	97.914	96.59
+950	96.55	97.739	96.55
211+0	96.65	97.564	96.65
+50	96.49	97.446	96.49
+100	96.44	97.539	96.44
+150	96.38	97.689	96.38
+200	96.36	97.839	96.36
+250	96.43	97.989	96.43
+300	96.56	98.139	96.56
+350	96.77	98.289	96.77
+400	97.49	98.439	97.49
+450	97.75	98.589	97.75
+500	97.98	98.739	97.98

REPUBLIQUE DE DJIBOUTI  
MINISTRE DE L'EQUIPEMENT ET DES TRANSPORTS  
DIRECTION DE L'EQUIPEMENT

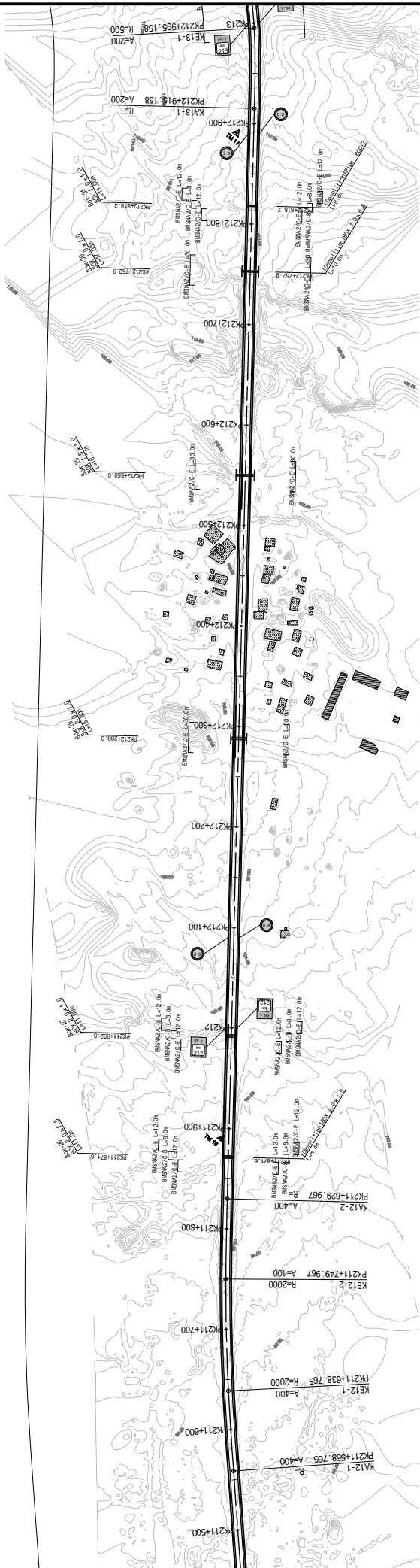
JAPAN INTERNATIONAL COOPERATION AGENCY  
YACHIYO ENGINEERING CO., LTD.

SHEET CONTENTS  
PLAN & PROFILE  
PK210+200 ~ PK211+500

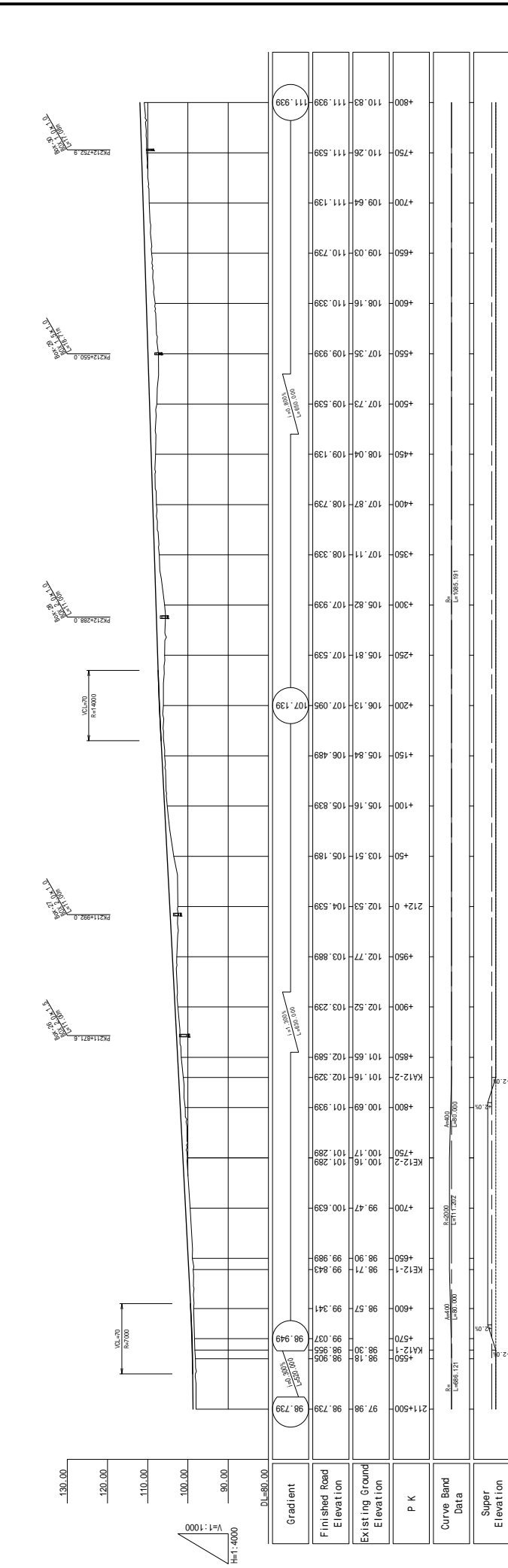
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DATE NOV 2018  
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# PLAN & PROFILE

PLAN S=1:4000



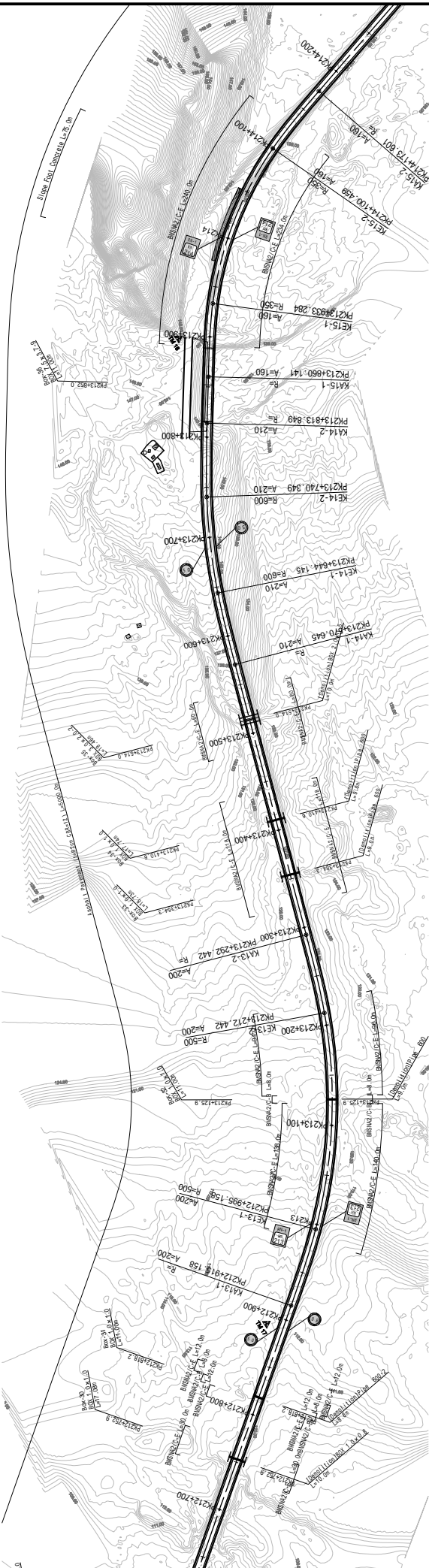
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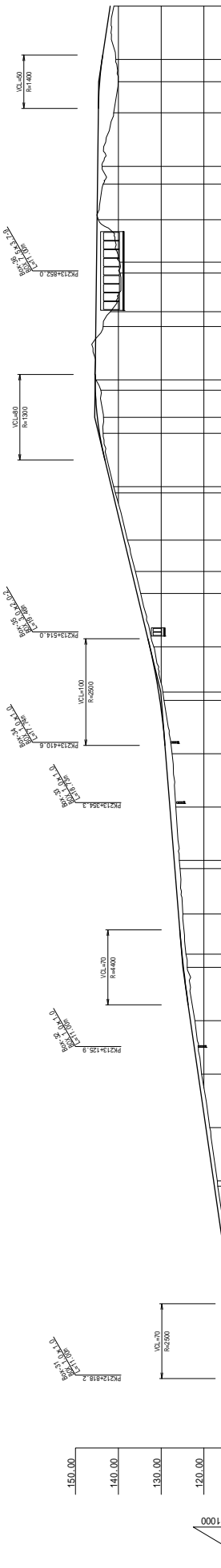
 <p>REPUBLIQUE DE DJIBOUTI MINISTRE DE L'EQUIPEMENT ET DES TRANSPORTS DIRECTION DE L'EQUIPEMENT</p>	 <p>JAPAN INTERNATIONAL COOPERATION AGENCY YACHIOI ENGINEERING CO., LTD.</p>	<p>SHEET CONTENTS</p> <p>PLAN &amp; PROFILE PK211+500 ~ PK212+800</p>		<p>SCALE</p> <p>V=1:1000, H=1:4000</p>
		<p>THE PREPARATORY SURVEY FOR THE PROJECT FOR UPGRADING OF NATIONAL ROAD ROUTE 1 IN THE REPUBLIC OF DJIBOUTI</p>		<p>DATE</p> <p>NOV 2018</p>
				<p>PAGE NO.</p> <p>14 / 131</p>

# PLAN & PROFILE

PLAN S=1:4000





PROFILE V=1:1000 H=1:4000



V=1:1000  
H=1:4000

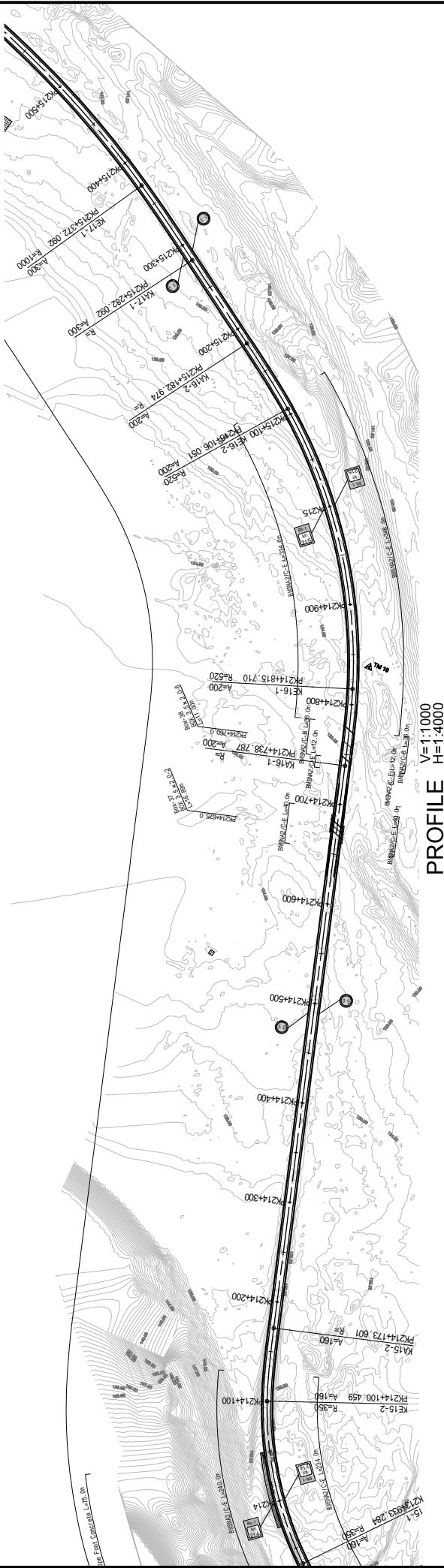
Gradient	Finished Road Elevation	Existing Ground Elevation	P K	Curve Band Data	Super Elevation
	111.939	111.939	212+800		
	111.84	111.84	+850		
	113.30	114.139	+900		
	113.84	114.685	+950		
	115.14	115.939	+950		
	116.78	117.565	KI13-1		
	116.89	117.739	KI13-0		
	118.68	119.539	+50		
	120.56	121.339	+100		
	122.15	123.139	+150		
	123.91	124.799	+200		
	124.20	125.130	KI13-2		
	124.93	125.939	+250		
	125.62	126.788	KI13-2		
	125.79	126.939	+300		
	126.57	127.939	+350		
	127.48	128.939	+400		
	128.32	130.297	+450		
	129.32	130.593	130.093		
	131.74	132.642	+500		
	134.77	135.630	+550		
	137.86	136.869	+600		
	140.69	141.279	KI14-1		
	141.09	141.630	+650		
	143.54	144.384	+700		
	144.11	145.369	KI14-2		
	145.23	145.415	+750		
	143.56	145.275	+800		
	143.81	144.825	KI14-2		
	143.63	144.975	+900		
	144.54	144.875	KI15-1		
	143.81	144.825	+950		
	141.0	144.675	214+0		
	140.58	143.789	+50		
	141.895	144.895	141.895		

	REPUBLIQUE DE DJIBOUTI MINISTRE DE L'EQUIPEMENT ET DES TRANSPORTS DIRECTION DE L'EQUIPEMENT			JAPAN INTERNATIONAL COOPERATION AGENCY THE PREPARATORY SURVEY FOR THE PROJECT FOR UPGRADING OF NATIONAL ROAD ROUTE 1 IN THE REPUBLIC OF DJIBOUTI		SHEET CONTENTS PLAN & PROFILE PK212+800 ~ PK214+100	SCALE V=1:1000, H=1:4000
				DATE NOV 2018	PAGE NO. 15 / 131		

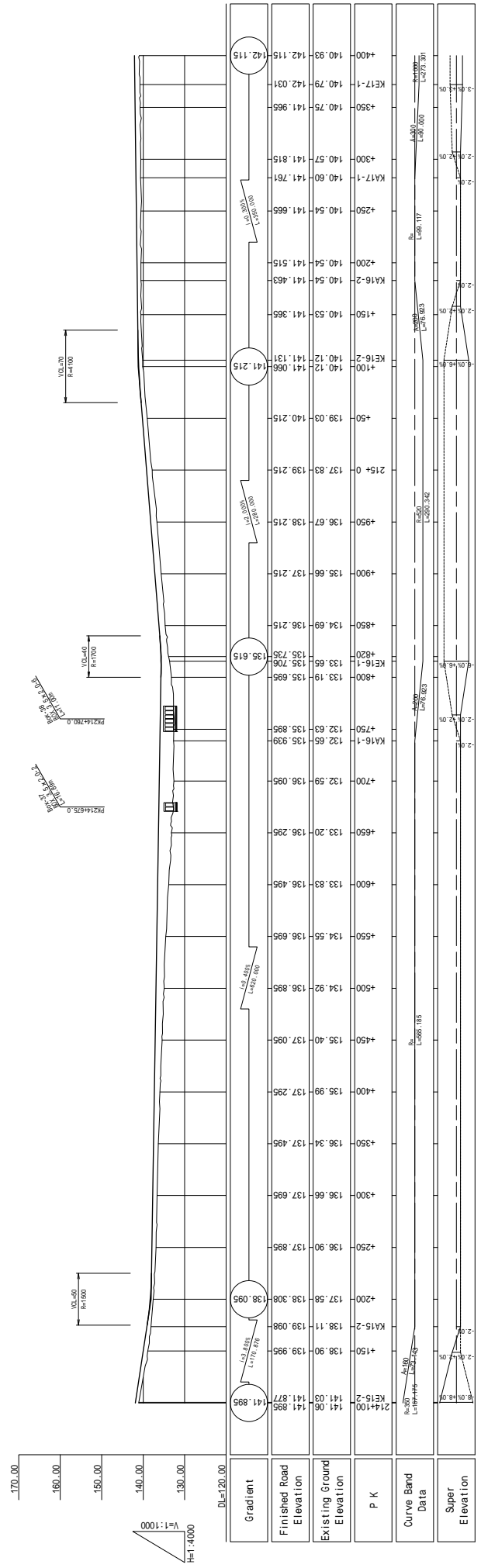


# PLAN & PROFILE

PLAN S=1:4000



PROFILE V=1:1000 H=1:4000

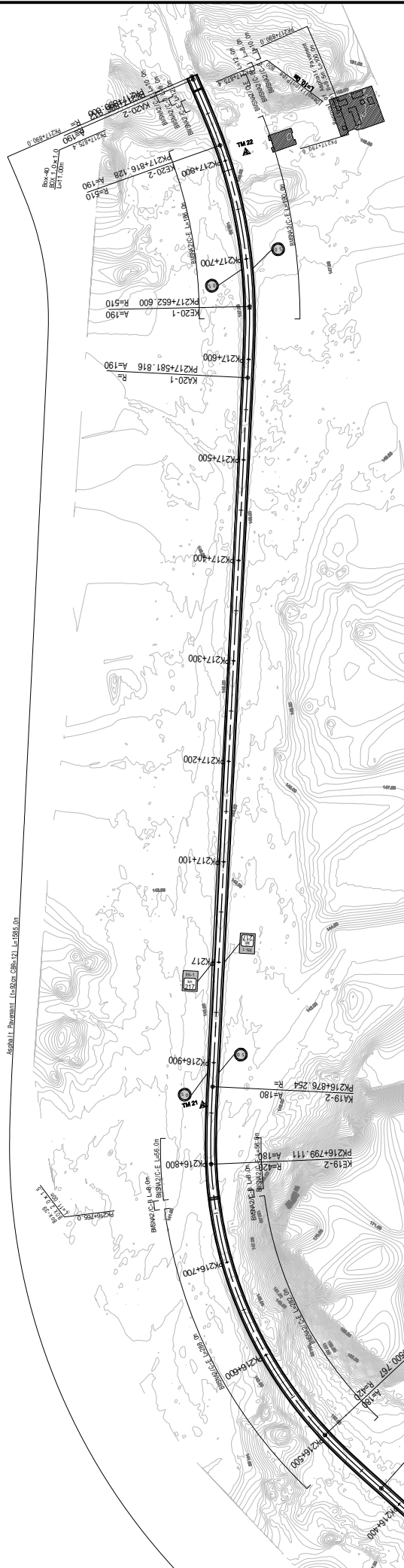


Gradient	Finished Road Elevation	Existing Ground Elevation	P K
	142.115	142.115	214+100
	140.75	141.06	ME15-2
	140.54	141.877	KA15-2
	140.57	137.295	KA15-2
	140.60	137.996	KA15-2
	140.54	138.308	KA15-2
	140.54	138.996	KA15-2
	140.53	139.996	KA15-2
	140.12	137.495	KA15-2
	141.066	136.66	KA15-2
	141.131	136.90	KA15-2
	140.03	137.895	KA15-2
	139.03	137.695	KA15-2
	137.83	137.996	KA15-2
	137.83	137.295	KA15-2
	136.67	137.495	KA15-2
	136.67	137.295	KA15-2
	135.66	137.215	KA15-2
	134.69	136.215	KA15-2
	134.69	136.996	KA15-2
	133.65	136.996	KA15-2
	133.706	136.996	KA15-2
	133.19	136.996	KA15-2
	132.65	136.996	KA15-2
	132.63	136.996	KA15-2
	132.63	136.996	KA15-2
	132.59	136.996	KA15-2
	132.59	136.996	KA15-2
	133.20	136.295	KA15-2
	133.83	136.495	KA15-2
	133.83	136.996	KA15-2
	134.55	136.996	KA15-2
	134.92	136.996	KA15-2
	134.40	137.096	KA15-2
	133.99	137.295	KA15-2
	136.34	137.495	KA15-2
	136.66	137.695	KA15-2
	136.90	137.895	KA15-2
	137.58	138.308	KA15-2
	138.11	138.996	KA15-2
	138.90	139.996	KA15-2
	141.03	141.877	ME15-2
	141.958	141.958	ME15-2

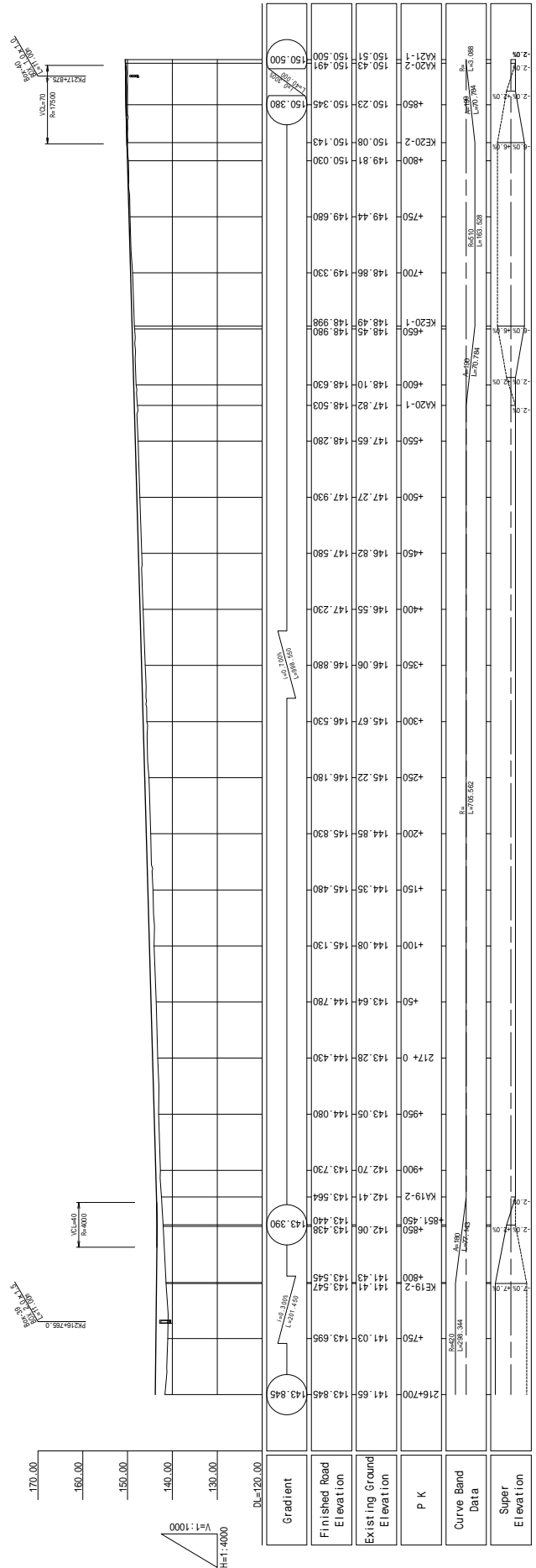


# PLAN & PROFILE

PLAN S=1:4000



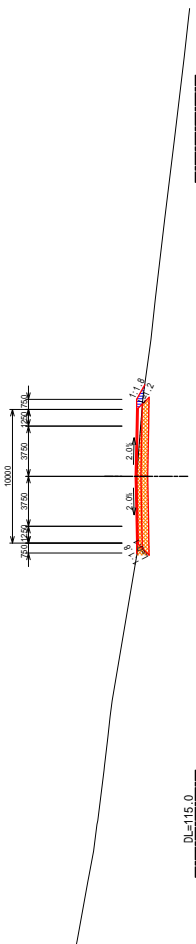
PROFILE V=1:1000 H=1:4000





PK 197+250	
Excavation	0.0 m
Shoulder Slope	8.7 m
Embankment	0.2 m
Shoulder Slope	0.0 m
Shoulder Slope	0.0 m
Shoulder Slope	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 n
Right Side	0.0 n
Length of Embankment Slope	0.1 m
Left Side	1.2 m
Right Side	1.2 m

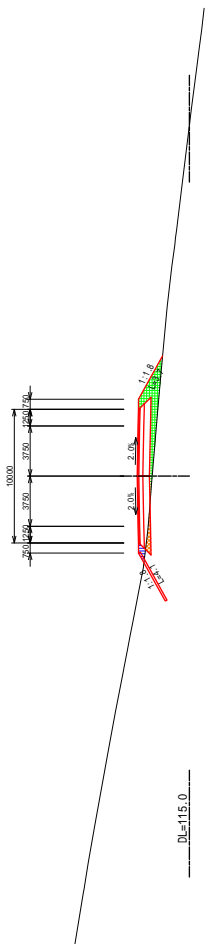
PK197+250  
 GH=119.40  
 PH=119.502



DL=115.0

PK 197+300	
Excavation	0.0 m
Shoulder Slope	0.7 m
Embankment	0.4 m
Shoulder Slope	0.2 m
Shoulder Slope	0.2 m
Length of Embankment Slope	0.0 m
Left Side	0.0 n
Right Side	0.0 n
Length of Embankment Slope	4.1 m
Left Side	3.7 m
Right Side	3.7 m

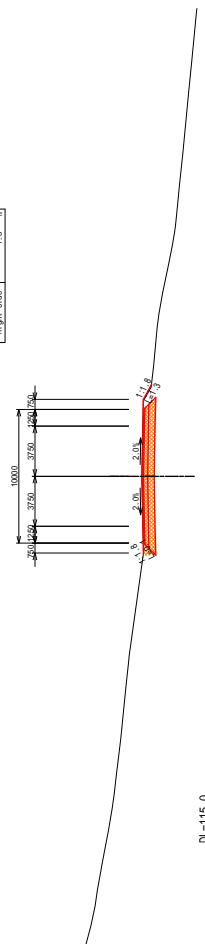
PK197+300  
 GH=117.79  
 PH=118.914



DL=115.0

PK 197+200	
Excavation	0.0 m
Shoulder Slope	10.4 m
Embankment	0.1 m
Shoulder Slope	0.0 m
Shoulder Slope	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 n
Right Side	0.0 n
Length of Embankment Slope	0.1 m
Left Side	1.3 m
Right Side	1.3 m

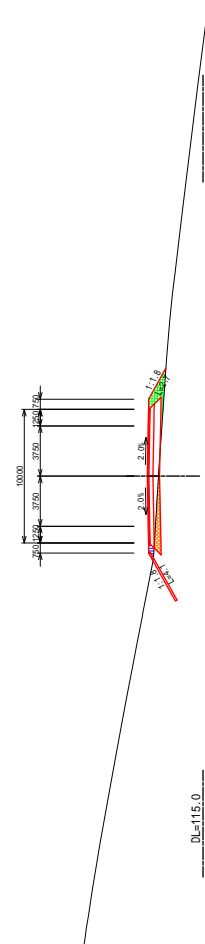
PK197+200  
 GH=120.16  
 PH=120.164



DL=115.0

PK 197+300	
Excavation	0.0 m
Shoulder Slope	1.8 m
Embankment	0.4 m
Shoulder Slope	0.0 m
Shoulder Slope	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 n
Right Side	0.0 n
Length of Embankment Slope	4.1 m
Left Side	2.7 m
Right Side	2.7 m

PK197+300  
 GH=118.32  
 PH=119.164



DL=115.0



REPUBLIQUE DE DJIBOUTI  
 MINISTERE DE L'EQUIPEMENT ET DES TRANSPORTS  
 DIRECTION DE L'EQUIPEMENT



JAPAN INTERNATIONAL COOPERATION AGENCY  
 YACHIYO ENGINEERING CO., LTD.

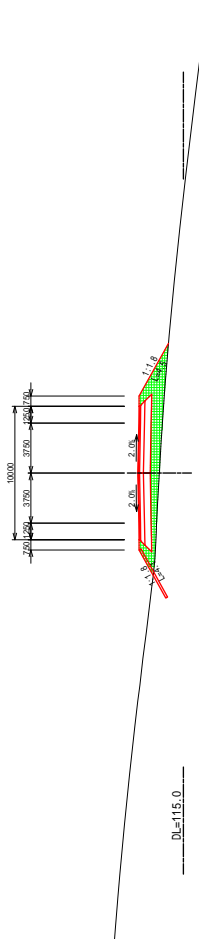
THE PREPARATORY SURVEY FOR  
 THE PROJECT FOR  
 UPGRADING OF NATIONAL ROAD ROUTE 1  
 IN THE REPUBLIC OF DJIBOUTI

SHEET CONTENTS  
 CROSS SECTION  
 PK197+200 ~ PK197+350

SCALE S=1:400  
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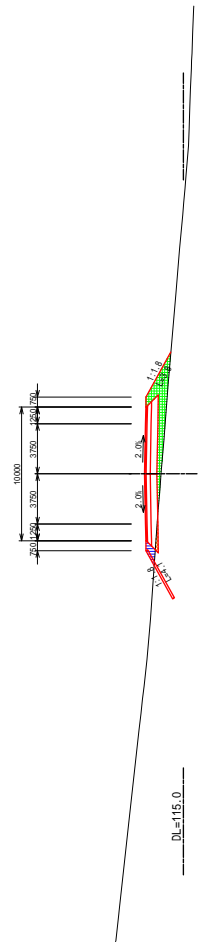
PK 197+450	
Excavation	0.0 m
Spill Slope	0.3 m
Embankment	0.0 m
Spill Slope	0.7 m
Spill Slope	0.3 m
Spill Slope	0.3 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	4.1 m
Left Side	4.0 m
Right Side	4.0 m

PK197+450  
GH=116.80  
PH=118.414



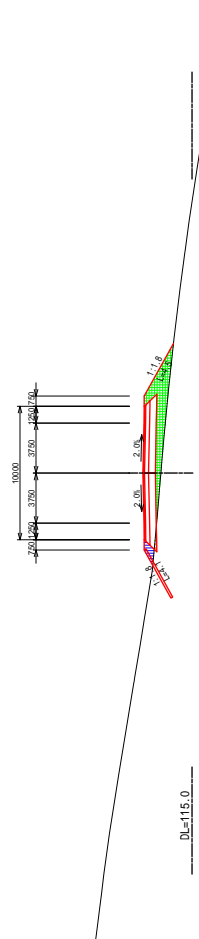
PK 197+550	
Excavation	0.0 m
Spill Slope	0.3 m
Embankment	0.0 m
Spill Slope	0.7 m
Spill Slope	0.3 m
Spill Slope	0.3 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	4.1 m
Left Side	4.0 m
Right Side	4.0 m

PK'197+550  
GH=116.67  
PH=117.914



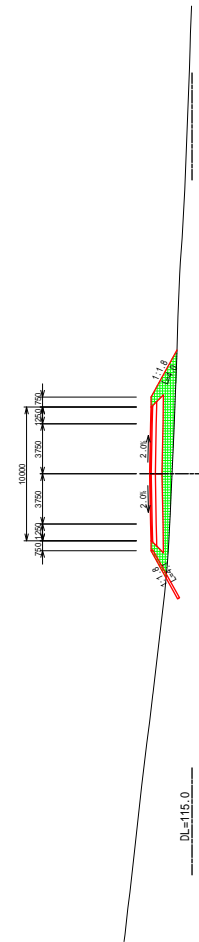
PK 197+400	
Excavation	0.0 m
Spill Slope	0.2 m
Embankment	0.7 m
Spill Slope	0.7 m
Spill Slope	0.3 m
Spill Slope	0.3 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	4.1 m
Left Side	4.0 m
Right Side	4.0 m

PK197+400  
GH=117.32  
PH=118.664



PK 197+500	
Excavation	0.0 m
Spill Slope	0.0 m
Embankment	0.0 m
Spill Slope	0.0 m
Spill Slope	0.0 m
Spill Slope	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	4.1 m
Left Side	4.0 m
Right Side	4.0 m

PK'197+500  
GH=116.49  
PH=118.164



REPUBLIQUE DE DJIBOUTI  
MINISTRE DE L'EQUIPEMENT ET DES TRANSPORTS  
DIRECTION DE L'EQUIPEMENT



JAPAN INTERNATIONAL COOPERATION AGENCY  
YACHIYO ENGINEERING CO., LTD.

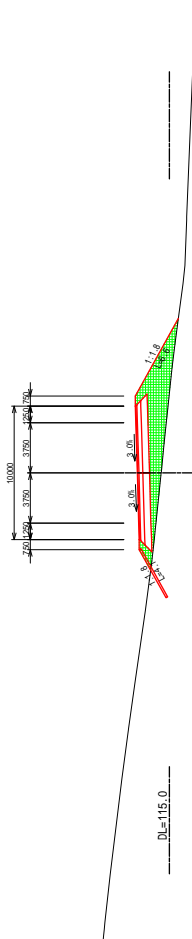
THE PREPARATORY SURVEY FOR  
THE PROJECT FOR  
UPGRADING OF NATIONAL ROAD ROUTE 1  
IN THE REPUBLIC OF DJIBOUTI

SHEET CONTENTS  
CROSS SECTION  
PK197+400 ~ PK197+550

SCALE S=1:400  
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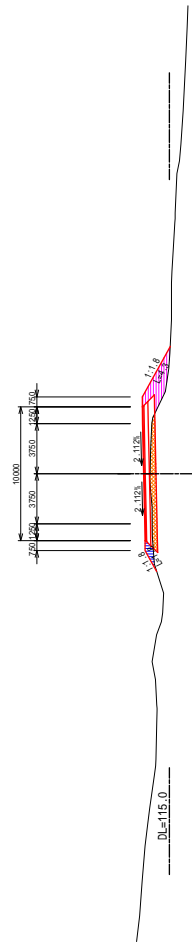
PK 197+650	
Excavation	0.0 m
Subgrade	0.0 m
Shoulder	3.7 m
Enbankment	0.0 m
Left Slope	0.7 m
Right Slope	0.0 m
Length of Enbankment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	0.0 m
Left Slope	4.1 m
Right Slope	0.0 m

PK197+650  
GH=115.62  
PH=117.414



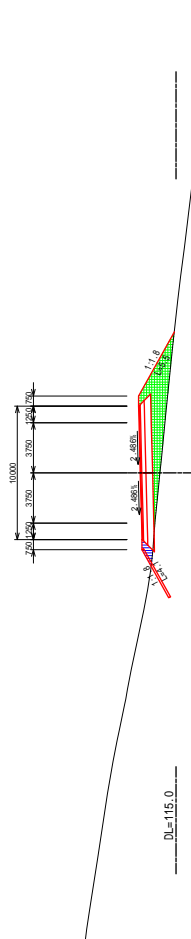
PK 197+750	
Excavation	0.0 m
Subgrade	0.0 m
Shoulder	3.7 m
Enbankment	0.7 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Enbankment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	1.8 m
Left Slope	4.1 m
Right Slope	4.3 m

PK197+750  
GH=116.47  
PH=116.929



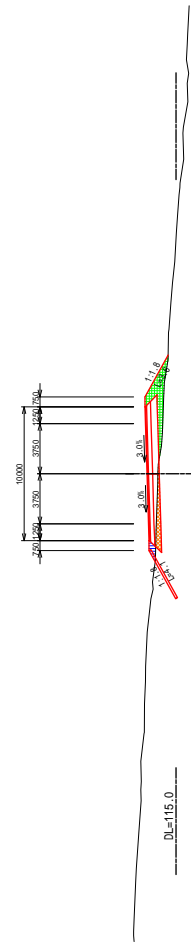
PK 197+600	
Excavation	0.0 m
Subgrade	0.1 m
Shoulder	0.8 m
Enbankment	0.0 m
Left Slope	1.1 m
Right Slope	1.1 m
Length of Enbankment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	4.1 m
Left Slope	5.3 m
Right Slope	5.3 m

PK197+600  
GH=116.20  
PH=117.664



PK 197+700	
Excavation	0.0 m
Subgrade	1.6 m
Shoulder	0.5 m
Enbankment	0.0 m
Left Slope	3.9 m
Right Slope	3.9 m
Length of Enbankment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	4.1 m
Left Slope	3.8 m
Right Slope	3.8 m

PK197+700  
GH=116.35  
PH=117.164



REPUBLIQUE DE DJIBOUTI  
MINISTRE DE L'EQUIPEMENT ET DES TRANSPORTS  
DIRECTION DE L'EQUIPEMENT



JAPAN INTERNATIONAL COOPERATION AGENCY  
YACHIYO ENGINEERING CO., LTD.

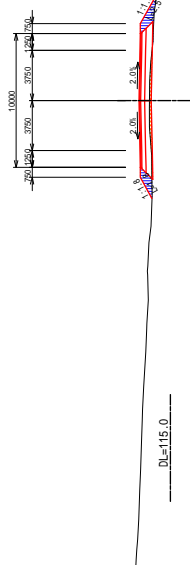
THE PREPARATORY SURVEY FOR  
THE PROJECT FOR  
UPGRADING OF NATIONAL ROAD ROUTE 1  
IN THE REPUBLIC OF DJIBOUTI

SHEET CONTENTS  
CROSS SECTION  
PK197+600 ~ PK197+750

SCALE S=1:400  
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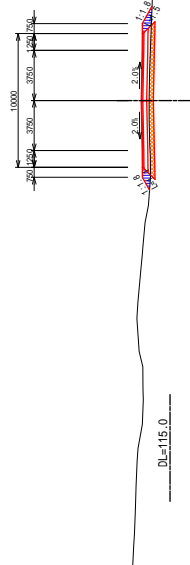
PK 197+950	
Excavation	0.0 m
Spall Coat	1.1 m
Enchantment	2.4 m
Sub-base	0.0 m
Base	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Embankment Slope	1.8 m
Left Slope	2.9 n
Right Slope	2.9 n

PK197+950  
GH=116.57  
PH=117.354



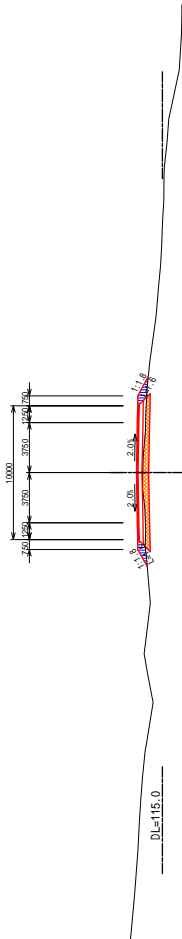
PK 197+900	
Excavation	0.0 m
Spall Coat	3.6 m
Enchantment	1.3 m
Sub-base	0.0 m
Base	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Embankment Slope	1.1 m
Left Slope	1.5 n
Right Slope	1.5 n

PK197+900  
GH=116.55  
PH=117.154



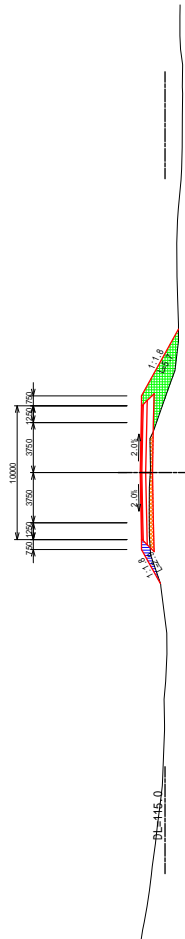
PK 197+850	
Excavation	0.0 m
Spall Coat	4.2 m
Enchantment	1.5 m
Sub-base	0.0 m
Base	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Embankment Slope	1.5 m
Left Slope	1.8 n
Right Slope	1.8 n

PK197+850  
GH=116.48  
PH=116.954



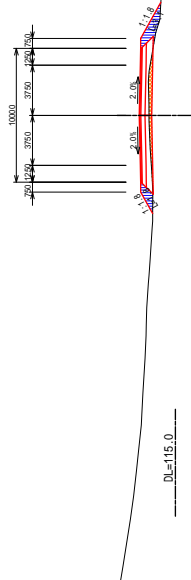
PK 197+800	
Excavation	0.0 m
Spall Coat	2.2 m
Enchantment	1.0 m
Sub-base	0.0 m
Base	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Embankment Slope	2.9 m
Left Slope	5.7 n
Right Slope	5.7 n

PK197+800  
GH=116.10  
PH=116.848



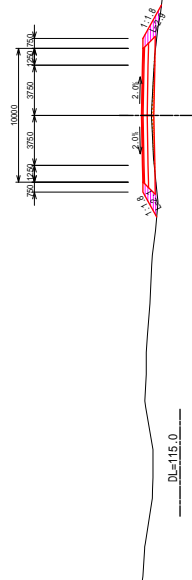
PK 198+150	
Excavation	0.0 m
Spillway	1.7 m
Enbankment	2.9 m
Length of Enbankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	1.8 m
Left Side	3.1 m
Right Side	3.1 m

PK198+150  
Gh=116.97  
Ph=117.704



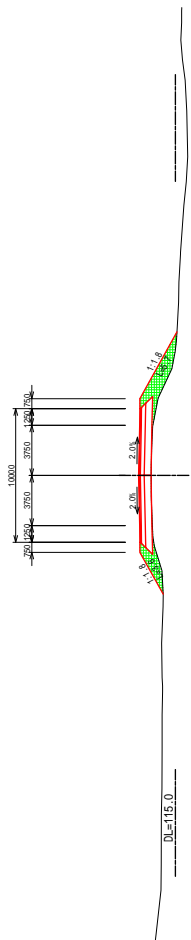
PK 198+100	
Excavation	0.0 m
Spillway	0.9 m
Enbankment	0.0 m
Length of Enbankment Slope	3.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	2.1 m
Left Side	2.1 m
Right Side	2.9 m

PK198+100  
Gh=117.13  
Ph=117.875



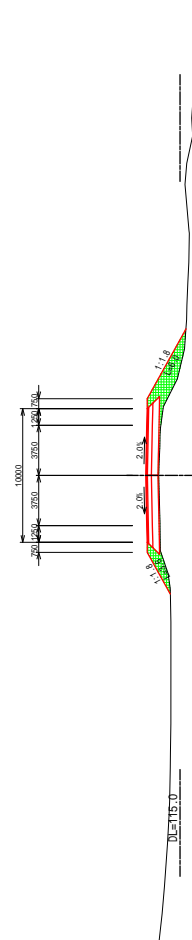
PK 198+50	
Excavation	0.0 m
Spillway	0.0 m
Enbankment	0.0 m
Length of Enbankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	3.8 m
Left Side	3.7 m
Right Side	3.7 m

PK198+50  
Gh=118.81  
Ph=117.754



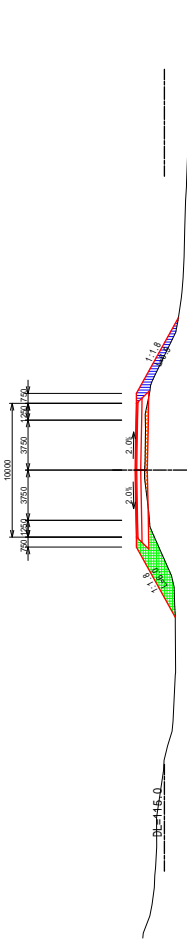
PK 198+0	
Excavation	0.0 m
Spillway	0.0 m
Enbankment	0.0 m
Length of Enbankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	3.6 m
Left Side	6.0 m
Right Side	6.0 m

PK198  
Gh=116.58  
Ph=117.554



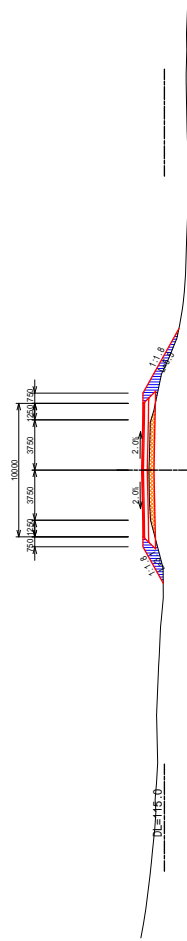
PK 198+250	
Excavation	0.0 m
Spillway	1.4 m
Enbankment	3.2 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m

PK198+250  
GH=116.49  
PH=117.204



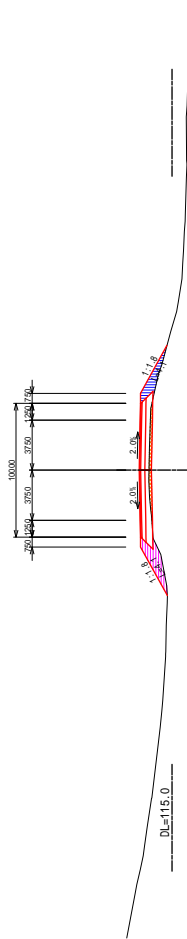
PK 198+350	
Excavation	0.0 m
Spillway	3.2 m
Enbankment	4.8 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	3.1 m
Right Side	3.3 m

PK198+350  
GH=116.16  
PH=116.704



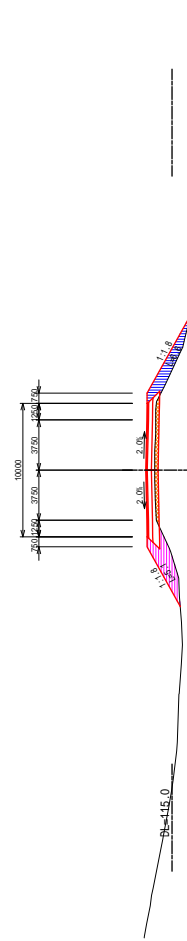
PK 198+200	
Excavation	0.0 m
Spillway	1.4 m
Enbankment	2.1 m
Left Slope	3.1 m
Right Slope	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	4.1 m
Length of Embankment Slope	4.1 m
Left Side	4.1 m
Right Side	4.1 m

PK198+200  
GH=116.72  
PH=117.454



PK 198+300	
Excavation	0.0 m
Spillway	2.3 m
Enbankment	4.2 m
Left Slope	5.1 m
Right Slope	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	5.1 m
Length of Embankment Slope	5.1 m
Left Side	5.1 m
Right Side	5.6 m

PK198+300  
GH=116.28  
PH=116.954



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JAPAN INTERNATIONAL COOPERATION AGENCY  
YACHIYO ENGINEERING CO., LTD.

THE PREPARATORY SURVEY FOR  
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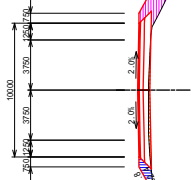
SHEET CONTENTS  
CROSS SECTION  
PK198+200 ~ PK198+350

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PK 198+450	
Excavation	0.0 m
200% Slope	1.0 m
300% Slope	0.0 m
Embankment	1.2 m
2.5% Slope	0.0 m
3.1% Slope	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	2.8 m
Left Side	0.0 m
Right Side	0.0 m

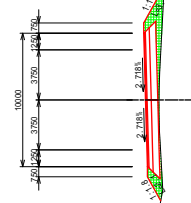
PK198+450  
GH=115.38  
PH=116.204



DL=110.0

PK 198+550	
Excavation	0.0 m
200% Slope	0.0 m
300% Slope	0.0 m
Embankment	0.0 m
2.5% Slope	0.0 m
3.1% Slope	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	2.1 m
Left Side	0.0 m
Right Side	3.1 m

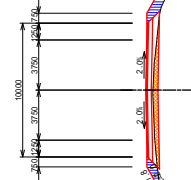
PK198+550  
GH=114.60  
PH=115.604



DL=110.0

PK 198+400	
Excavation	0.0 m
200% Slope	3.1 m
300% Slope	3.6 m
Embankment	0.0 m
2.5% Slope	0.0 m
3.1% Slope	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	2.0 m
Left Side	0.0 m
Right Side	4.8 m

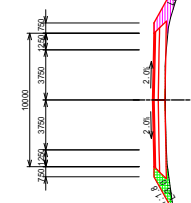
PK198+400  
GH=115.91  
PH=116.454



DL=110.0

PK 198+500	
Excavation	0.0 m
200% Slope	0.0 m
300% Slope	0.0 m
Embankment	0.0 m
2.5% Slope	3.1 m
3.1% Slope	2.1 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	3.0 m
Left Side	0.0 m
Right Side	5.0 m

PK198+500  
GH=114.98  
PH=115.936



DL=110.0



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JAPAN INTERNATIONAL COOPERATION AGENCY  
YACHIYO ENGINEERING CO., LTD.

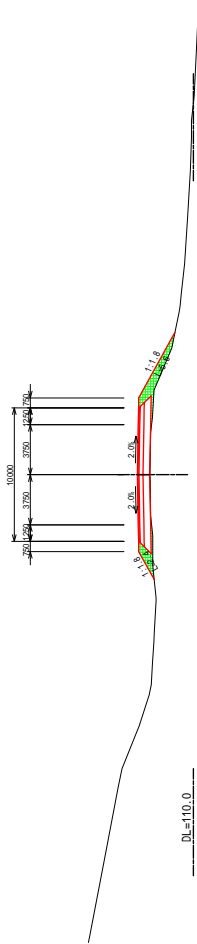
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CROSS SECTION  
PK198+400 ~ PK198+550

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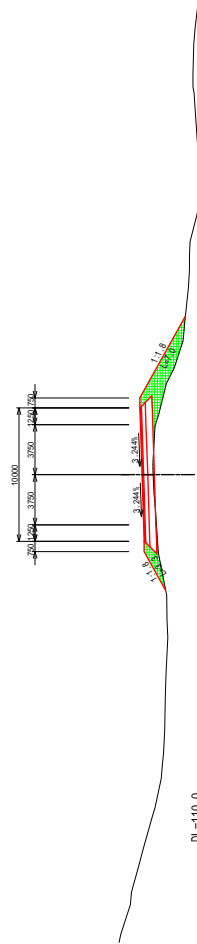
<b>PK 198+750</b>	
Excavation	0.0 m
Top of Road	0.0 m
Subgrade	0.0 m
Enbankment	0.0 m
Length of Enbankment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	0.0 m
Left Slope	2.4 n
Right Slope	2.8 n

**PK198+750**  
 GH=113.25  
 PH=114.204



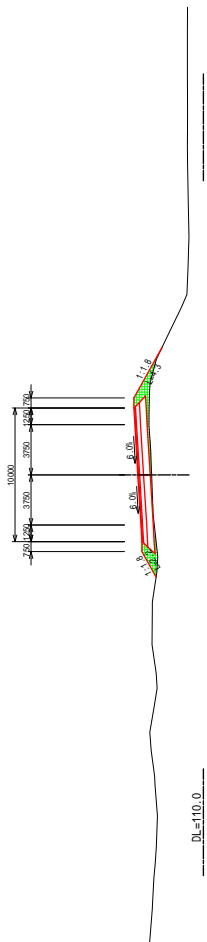
<b>PK 198+700</b>	
Excavation	0.0 m
Top of Road	0.2 m
Subgrade	0.0 m
Enbankment	0.0 m
Length of Enbankment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	0.0 m
Left Slope	3.3 n
Right Slope	7.0 n

**PK198+700**  
 GH=113.71  
 PH=114.554



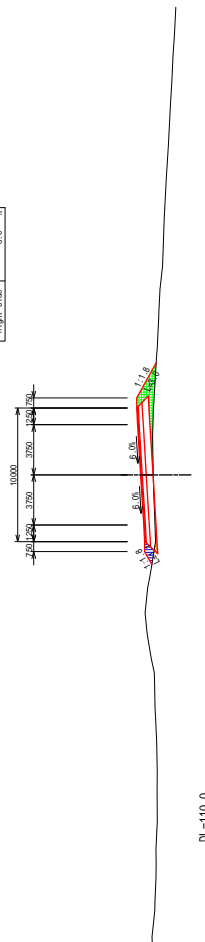
<b>PK 198+650</b>	
Excavation	0.0 m
Top of Road	0.0 m
Subgrade	0.0 m
Enbankment	0.0 m
Length of Enbankment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	0.0 m
Left Slope	2.2 n
Right Slope	4.3 n

**PK198+650**  
 GH=113.88  
 PH=114.504



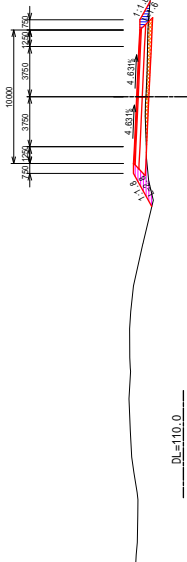
<b>PK 198+600</b>	
Excavation	0.0 m
Top of Road	0.4 m
Subgrade	0.0 m
Enbankment	0.6 m
Length of Enbankment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	0.0 m
Left Slope	1.1 n
Right Slope	3.0 n

**PK198+600**  
 GH=114.31  
 PH=115.254



PK 198+850	
Excavation	0.0 m
Shoulder	1.8 m
Enchantment	1.7 m
Shoulder	0.5 m
Length of Enchantment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enchantment Slope	2.0 m
Left Slope	2.3 m
Right Slope	4.1 m

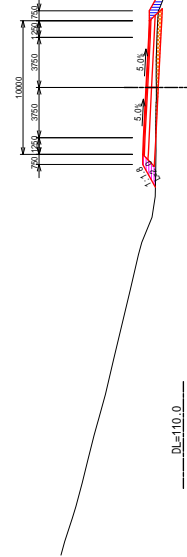
PK198+850  
GH=112.81  
PH=113.504



DL=110.0

PK 198+850	
Excavation	0.0 m
Shoulder	2.1 m
Enchantment	0.8 m
Shoulder	0.0 m
Length of Enchantment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enchantment Slope	2.8 m
Left Slope	1.0 m
Right Slope	1.0 m

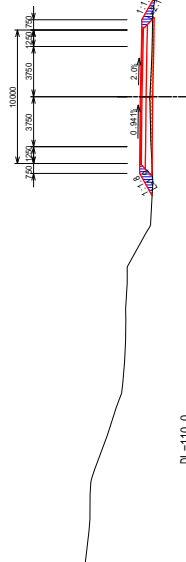
PK198+850  
GH=112.81  
PH=113.504



DL=110.0

PK 198+900	
Excavation	0.0 m
Shoulder	1.5 m
Enchantment	1.7 m
Shoulder	1.5 m
Length of Enchantment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enchantment Slope	2.3 m
Left Slope	2.3 m
Right Slope	3.4 m

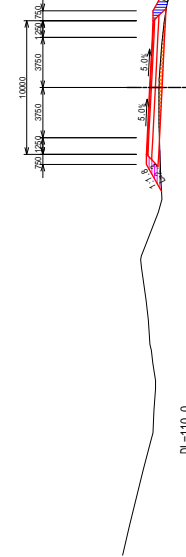
PK198+900  
GH=112.46  
PH=113.154



DL=110.0

PK 198+800	
Excavation	0.0 m
Shoulder	1.5 m
Enchantment	2.1 m
Shoulder	0.0 m
Length of Enchantment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enchantment Slope	1.9 m
Left Slope	1.9 m
Right Slope	2.1 m

PK198+800  
GH=113.16  
PH=113.864



DL=110.0



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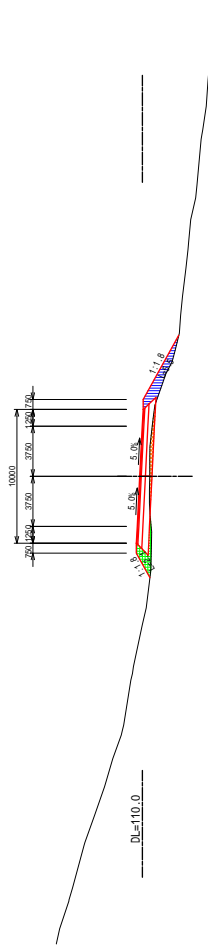
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CROSS SECTION  
PK198+800 ~ PK198+950

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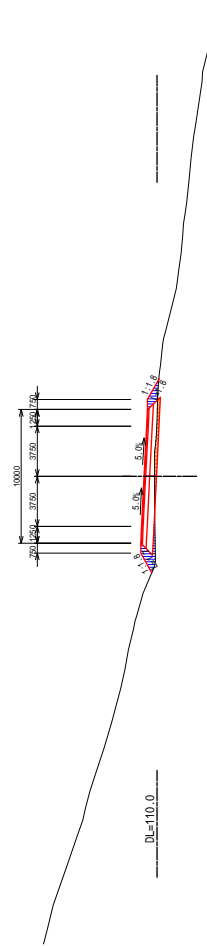
PK 199+150	
Excavation	0.0 m
Spill Slope	1.4 m
Enbankment	3.1 m
Spill Slope	0.0 m
Spill Slope	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Length of Enbankment Slope	0.0 m
Left Side	2.1 m
Right Side	3.9 m

PK199+150  
GH=109.47  
PH=110.204



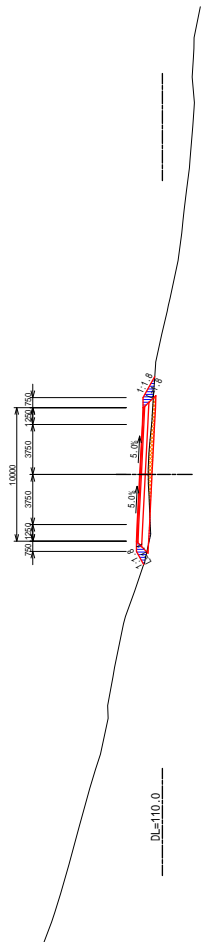
PK 199+100	
Excavation	0.0 m
Spill Slope	1.2 m
Enbankment	2.4 m
Spill Slope	0.0 m
Spill Slope	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Length of Enbankment Slope	0.0 m
Left Side	1.7 m
Right Side	1.8 m

PK199+100  
GH=110.17  
PH=110.954



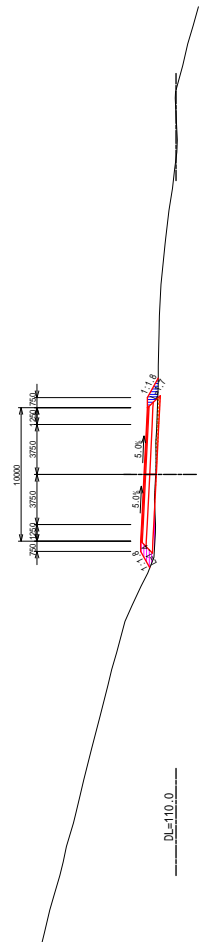
PK 199+50	
Excavation	0.0 m
Spill Slope	2.0 m
Enbankment	1.7 m
Spill Slope	0.0 m
Spill Slope	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Length of Enbankment Slope	0.0 m
Left Side	1.1 m
Right Side	1.6 m

PK199+50  
GH=111.08  
PH=111.704



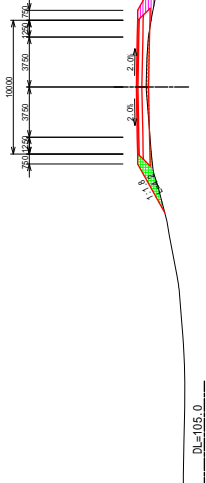
PK 199+0	
Excavation	0.0 m
Spill Slope	0.8 m
Enbankment	0.9 m
Spill Slope	1.4 m
Spill Slope	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Length of Enbankment Slope	0.0 m
Left Side	1.4 m
Right Side	1.7 m

PK199  
GH=111.51  
PH=112.384



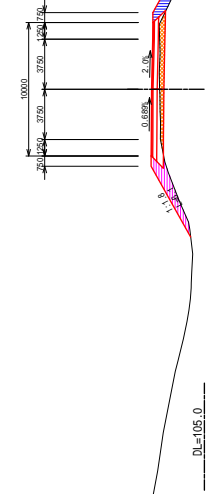
PK 199+250	
Excavation	0.0 m
Slope Stake Post	0.9 m
Enbankment	0.0 m
Slope Stake Post	0.0 m
Enbankment	0.0 m
Slope Stake Post	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m

PK199+250  
GH=108.35  
PH=108.869



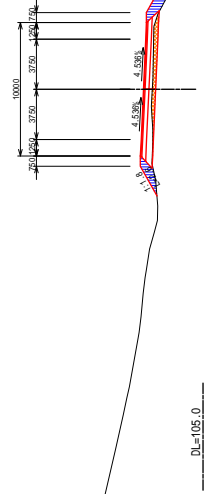
PK 199+350	
Excavation	0.0 m
Slope Stake Post	0.9 m
Enbankment	0.0 m
Slope Stake Post	0.0 m
Enbankment	0.0 m
Slope Stake Post	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m

PK199+350  
GH=108.36  
PH=110.104



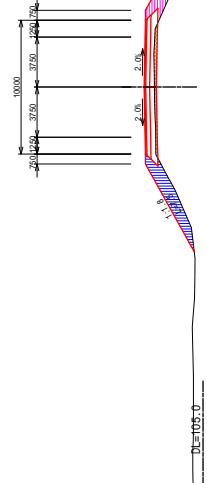
PK 199+200	
Excavation	0.0 m
Slope Stake Post	2.3 m
Enbankment	6.3 m
Slope Stake Post	0.0 m
Enbankment	0.0 m
Slope Stake Post	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m

PK199+200  
GH=108.79  
PH=109.454



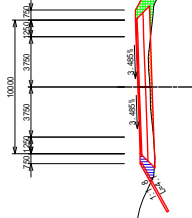
PK 199+300	
Excavation	0.0 m
Slope Stake Post	1.6 m
Enbankment	6.0 m
Slope Stake Post	0.0 m
Enbankment	0.0 m
Slope Stake Post	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m

PK199+300  
GH=108.63  
PH=109.404



PK 199+550	
Excavation	0.0 m
Shoulder Slope	1.1 m
Embankment	1.1 m
Shoulder Slope	1.1 m
Excavation	0.0 m
Shoulder Slope	0.0 m
Embankment	0.0 m
Shoulder Slope	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m

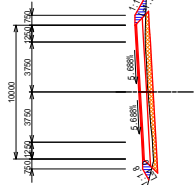
PK199+550  
 GH=108.25  
 PH=109.164



DL=105.0

PK 199+450	
Excavation	0.0 m
Shoulder Slope	4.0 m
Embankment	1.5 m
Shoulder Slope	0.0 m
Excavation	0.0 m
Shoulder Slope	0.0 m
Embankment	0.0 m
Shoulder Slope	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	1.0 m
Left Side	1.0 m
Right Side	1.0 m

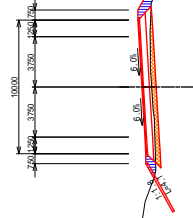
PK199+450  
 GH=110.12  
 PH=110.810



DL=105.0

PK 199+500	
Excavation	0.0 m
Shoulder Slope	3.3 m
Embankment	2.9 m
Shoulder Slope	0.0 m
Excavation	0.0 m
Shoulder Slope	0.0 m
Embankment	0.0 m
Shoulder Slope	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m

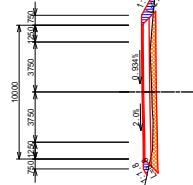
PK199+500  
 GH=109.43  
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DL=105.0

PK 199+400	
Excavation	0.0 m
Shoulder Slope	4.3 m
Embankment	1.4 m
Shoulder Slope	0.0 m
Excavation	0.0 m
Shoulder Slope	0.0 m
Embankment	0.0 m
Shoulder Slope	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.6 m
Left Side	0.6 m
Right Side	0.6 m

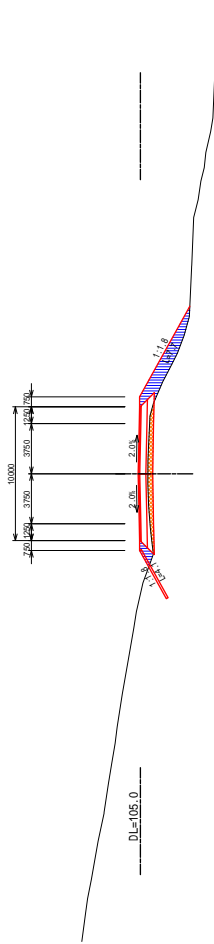
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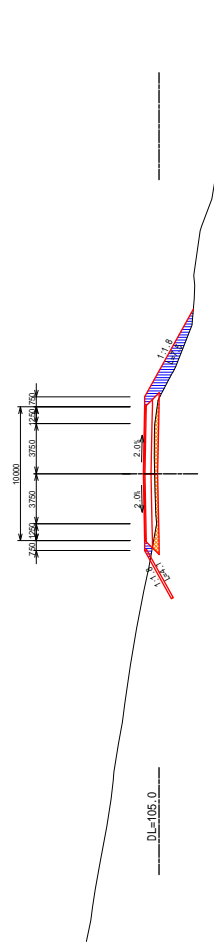
PK	199+750
Excavation	0.0 m
Shoulder	3.3 m
Enchantment	7.1 m
Shoulder	0.0 m
Excavation	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 m
Length of Enchantment Slope	0.0 m
Left Slope	3.8 m
Right Slope	7.2 m

PK199+750  
GH=104.45  
PH=105.164



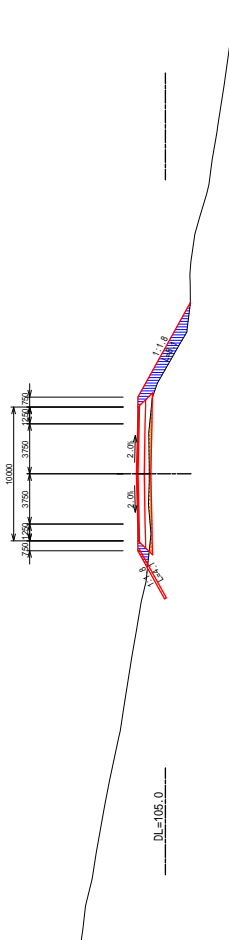
PK	199+700
Excavation	0.0 m
Shoulder	2.9 m
Enchantment	6.1 m
Shoulder	0.0 m
Excavation	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 m
Length of Enchantment Slope	0.0 m
Left Slope	3.8 m
Right Slope	7.5 m

PK199+700  
GH=105.32  
PH=106.164



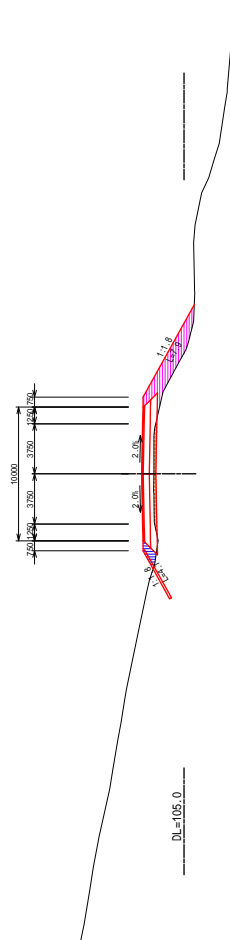
PK	199+650
Excavation	0.0 m
Shoulder	1.8 m
Enchantment	6.5 m
Shoulder	0.0 m
Excavation	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 m
Length of Enchantment Slope	0.0 m
Left Slope	3.8 m
Right Slope	6.1 m

PK199+650  
GH=106.22  
PH=107.164



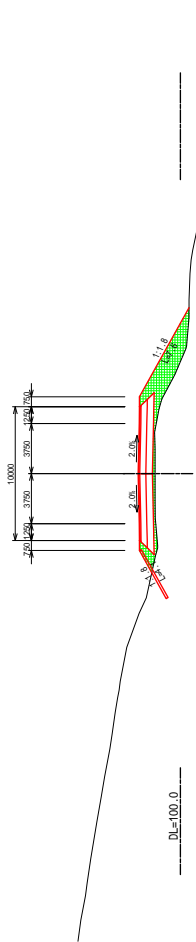
PK	199+600
Excavation	0.0 m
Shoulder	1.4 m
Enchantment	1.0 m
Shoulder	7.5 m
Excavation	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 m
Length of Enchantment Slope	0.0 m
Left Slope	3.8 m
Right Slope	7.9 m

PK199+600  
GH=107.25  
PH=108.164



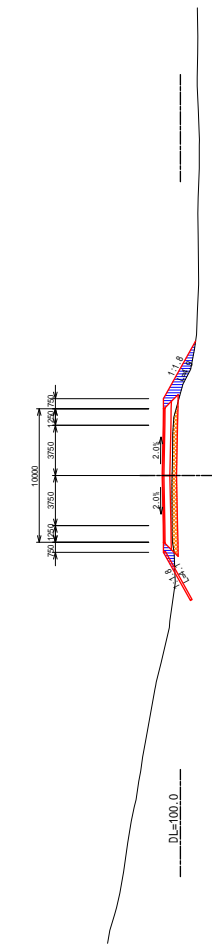
PK 199+850	
Excavation	0.0 m
Shoulder Cut	3.9 m
Enbankment	4.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	0.0 m
Left Slope	4.1 n
Right Slope	4.8 n

PK199+850  
GH=101.89  
PH=103.164



PK 199+850	
Excavation	0.0 m
Shoulder Cut	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	0.0 m
Left Slope	3.7 n
Right Slope	7.6 n

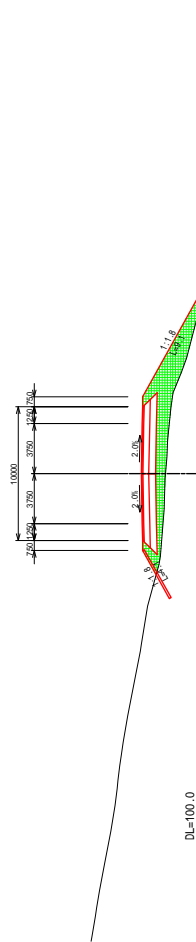
PK199+850  
GH=101.89  
PH=103.164



DL=100.0

PK 199+900	
Excavation	0.0 m
Shoulder Cut	0.6 m
Enbankment	1.3 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	0.0 m
Left Slope	4.1 n
Right Slope	7.2 n

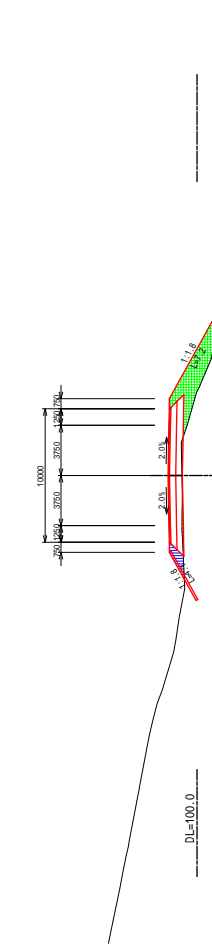
PK199+900  
GH=101.12  
PH=102.164



DL=100.0

PK 199+800	
Excavation	0.0 m
Shoulder Cut	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	2.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	3.9 m
Left Slope	9.1 n
Right Slope	9.1 n

PK199+800  
GH=102.35  
PH=104.164

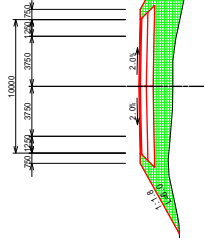


DL=100.0



PK 200+150	
Excavation	0.0 m
Spill Out	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	6.0 m
Left Side	6.0 m
Right Side	6.0 m

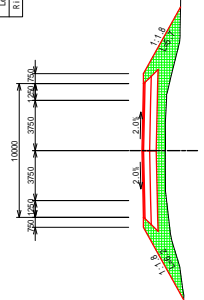
PK200+150  
 GH=99.17  
 PH=101.711



DL=95.0

PK 200+50	
Excavation	0.0 m
Spill Out	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	20.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	6.2 m
Left Side	6.2 m
Right Side	6.7 m

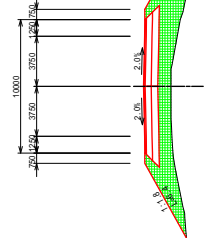
PK200+50  
 GH=99.72  
 PH=101.464



DL=95.0

PK 200+100	
Excavation	0.0 m
Spill Out	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	2.9 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	6.4 m
Left Side	6.4 m
Right Side	7.1 m

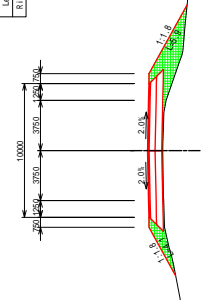
PK200+100  
 GH=99.55  
 PH=101.614



DL=95.0

PK 200+0	
Excavation	0.0 m
Spill Out	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	10.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	4.1 m
Left Side	4.1 m
Right Side	5.9 m

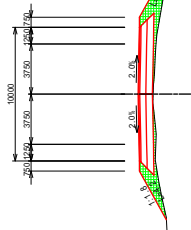
PK200  
 GH=100.18  
 PH=101.314



DL=95.0

PK	200+350
Excavation	0.0
Shoulder	0.0
Subgrade	0.0
Embankment	0.0
Length of Excavation Slope	0.0
Left Side	0.0
Right Side	0.0
Length of Embankment Slope	4.2
Left Side	4.2
Right Side	3.8

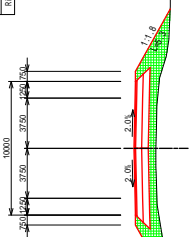
PK200+350  
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DL=95.0

PK	200+250
Excavation	0.0
Shoulder	0.0
Subgrade	0.0
Embankment	0.0
Length of Excavation Slope	0.0
Left Side	0.0
Right Side	0.0
Length of Embankment Slope	5.0
Left Side	5.0
Right Side	3.3

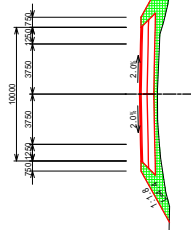
PK200+250  
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DL=95.0

PK	200+300
Excavation	0.0
Shoulder	0.0
Subgrade	0.0
Embankment	0.0
Length of Excavation Slope	0.0
Left Side	0.0
Right Side	0.0
Length of Embankment Slope	4.4
Left Side	4.4
Right Side	4.3

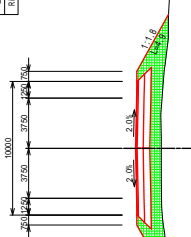
PK200+300  
 GH=99.99  
 PH=101.314



DL=95.0

PK	200+200
Excavation	0.0
Shoulder	0.0
Subgrade	0.0
Embankment	0.0
Length of Excavation Slope	0.0
Left Side	0.0
Right Side	0.0
Length of Embankment Slope	4.9
Left Side	4.9
Right Side	4.9

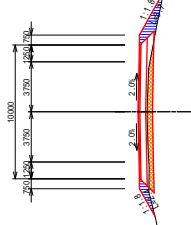
PK200+200  
 GH=99.69  
 PH=101.614



DL=95.0

PK 200+550	
Elevation (m)	
Original Ground	0.0
Subgrade	3.7
Enhancement	3.2
Shoulder	0.0
Length of Excavation Slope	0.0
Left Side	0.0
Right Side	0.0
Length of Embankment Slope	2.4
Left Side	2.4
Right Side	3.7

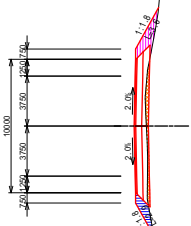
PK200+550  
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PH=100.564



DL=95.0

PK 200+450	
Elevation (m)	
Original Ground	0.0
Subgrade	1.9
Enhancement	1.5
Shoulder	0.0
Length of Excavation Slope	0.0
Left Side	0.0
Right Side	0.0
Length of Embankment Slope	2.9
Left Side	2.9
Right Side	3.0

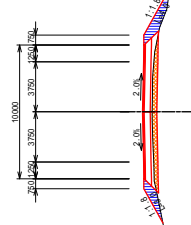
PK200+450  
GH=89.95  
PH=100.864



DL=95.0

PK 200+500	
Elevation (m)	
Original Ground	0.0
Subgrade	3.5
Enhancement	3.8
Shoulder	0.0
Length of Excavation Slope	0.0
Left Side	0.0
Right Side	0.0
Length of Embankment Slope	3.0
Left Side	3.0
Right Side	4.0

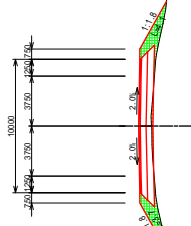
PK200+500  
GH=89.98  
PH=100.714



DL=95.0

PK 200+400	
Elevation (m)	
Original Ground	0.0
Subgrade	0.4
Enhancement	0.0
Shoulder	3.7
Length of Excavation Slope	0.0
Left Side	0.0
Right Side	0.0
Length of Embankment Slope	3.7
Left Side	3.7
Right Side	4.1

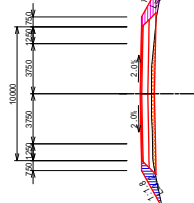
PK200+400  
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PH=101.014



DL=95.0

PK 200+750	
Excavation	0.0 m
Shoulder	2.1 m
Enhancement	1.7 m
Shoulder	0.0 m
Shoulder	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Embankment Slope	3.2 m
Left Slope	3.4 m
Right Slope	3.4 m

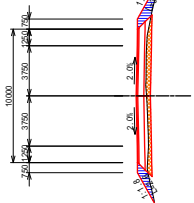
PK200+750  
 CH=69.11  
 PH=69.864



DL=95.0

PK 200+650	
Excavation	0.0 m
Shoulder	3.4 m
Enhancement	2.9 m
Shoulder	0.0 m
Shoulder	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Embankment Slope	2.8 m
Left Slope	3.3 m
Right Slope	3.3 m

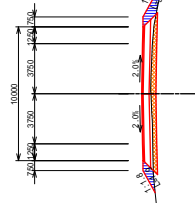
PK200+650  
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DL=95.0

PK 200+700	
Excavation	0.0 m
Shoulder	3.8 m
Enhancement	2.5 m
Shoulder	0.0 m
Shoulder	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Embankment Slope	1.9 m
Left Slope	3.2 m
Right Slope	3.2 m

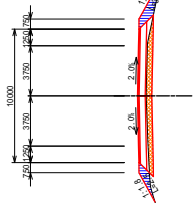
PK200+700  
 CH=69.42  
 PH=100.114



DL=95.0

PK 200+600	
Excavation	0.0 m
Shoulder	4.2 m
Enhancement	2.8 m
Shoulder	0.0 m
Shoulder	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Embankment Slope	2.5 m
Left Slope	3.4 m
Right Slope	3.4 m

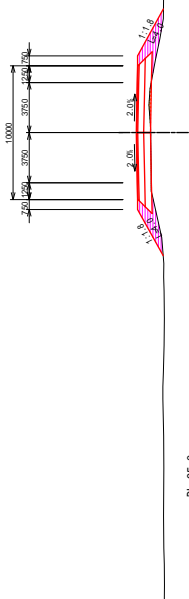
PK200+600  
 CH=69.76  
 PH=100.414



DL=95.0

PK 200+850	
Elevation	
200+844.500	0.0 m
200+844.500	0.3 m
Enbankment	
200+844.500	0.0 m
200+844.500	0.2 m
200+844.500	0.0 m
200+844.500	1.0 m
Length of Enbankment Slope	
Left Slope	0.0 m
Right Slope	0.0 m
Length of Enbankment Slope	
Left Slope	4.3 m
Right Slope	4.3 m

PK200+850  
 GH=88.57  
 PH=89.664

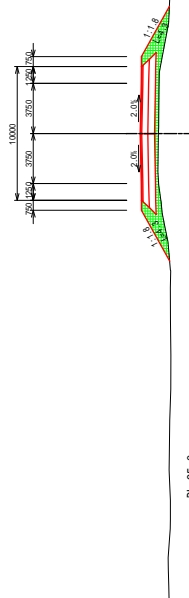


DL=85.0

PK 200+850	
Elevation	
200+844.500	0.0 m
200+844.500	0.3 m
Enbankment	
200+844.500	0.0 m
200+844.500	0.2 m
200+844.500	0.0 m
200+844.500	1.0 m
Length of Enbankment Slope	
Left Slope	0.0 m
Right Slope	0.0 m
Length of Enbankment Slope	
Left Slope	4.0 m
Right Slope	4.0 m

PK 200+950	
Elevation	
200+944.500	0.0 m
200+944.500	0.0 m
Enbankment	
200+944.500	0.0 m
200+944.500	0.0 m
200+944.500	1.0 m
Length of Enbankment Slope	
Left Slope	0.0 m
Right Slope	0.0 m
Length of Enbankment Slope	
Left Slope	4.3 m
Right Slope	4.3 m

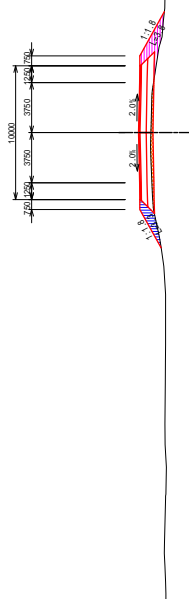
PK200+950  
 GH=88.00  
 PH=89.364



DL=85.0

PK 200+800	
Elevation	
200+844.500	0.0 m
200+844.500	1.3 m
Enbankment	
200+844.500	1.8 m
200+844.500	2.8 m
200+844.500	0.0 m
200+844.500	0.0 m
Length of Enbankment Slope	
Left Slope	0.0 m
Right Slope	0.0 m
Length of Enbankment Slope	
Left Slope	3.3 m
Right Slope	3.8 m

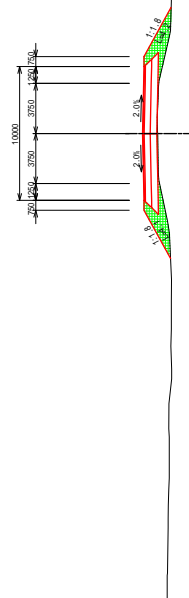
PK200+800  
 GH=88.88  
 PH=89.814



DL=85.0

PK 200+900	
Elevation	
200+844.500	0.0 m
200+844.500	0.0 m
Enbankment	
200+844.500	0.0 m
200+844.500	0.0 m
200+844.500	2.8 m
200+844.500	2.8 m
Length of Enbankment Slope	
Left Slope	0.0 m
Right Slope	0.0 m
Length of Enbankment Slope	
Left Slope	4.1 m
Right Slope	4.2 m

PK200+900  
 GH=88.39  
 PH=89.514



DL=85.0



JAPAN INTERNATIONAL COOPERATION AGENCY  
 YACHIYO ENGINEERING CO., LTD.

THE PREPARATORY SURVEY FOR  
 THE PROJECT FOR  
 UPGRADING OF NATIONAL ROAD ROUTE 1  
 IN THE REPUBLIC OF DJIBOUTI

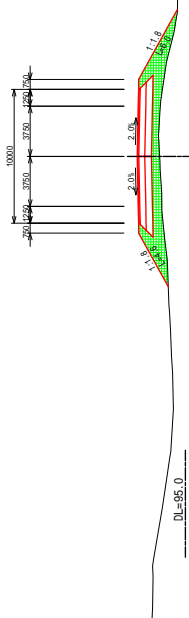
SHEET CONTENTS  
 CROSS SECTION  
 PK200+800 ~ PK200+950

SCALE S=1:400  
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PK 201+150	
Excavation	0.0 m
Spore 0.0	0.0 m
Enlargement	0.0 m
Spore 0.0	0.0 m
Enlargement	0.0 m
Spore 0.0	0.0 m
Enlargement	0.0 m
Length of Excavation Slope	12.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enlargement Slope	4.8 m
Left Side	4.8 m
Right Side	0.0 m

PK201+150

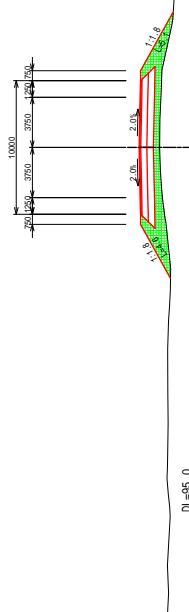
GH=86.94  
PH=88.614



PK 201+50	
Excavation	0.0 m
Spore 0.0	0.0 m
Enlargement	0.0 m
Spore 0.0	0.0 m
Enlargement	0.0 m
Spore 0.0	0.0 m
Enlargement	0.0 m
Length of Excavation Slope	14.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enlargement Slope	4.8 m
Left Side	4.8 m
Right Side	0.0 m

PK201+50

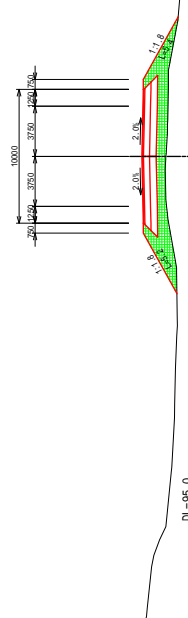
GH=97.63  
PH=99.064



PK 201+100	
Excavation	0.0 m
Spore 0.0	0.0 m
Enlargement	0.0 m
Spore 0.0	0.0 m
Enlargement	0.0 m
Spore 0.0	0.0 m
Enlargement	0.0 m
Length of Excavation Slope	18.8 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enlargement Slope	5.2 m
Left Side	5.2 m
Right Side	0.0 m

PK201+100

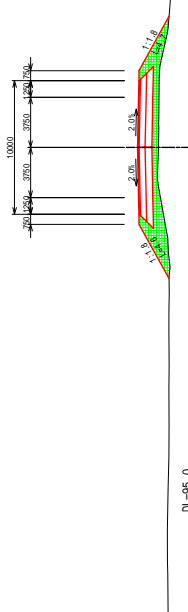
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PH=88.888



PK 201+0	
Excavation	0.0 m
Spore 0.0	0.0 m
Enlargement	0.0 m
Spore 0.0	0.0 m
Enlargement	0.0 m
Spore 0.0	0.0 m
Enlargement	0.0 m
Length of Excavation Slope	13.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enlargement Slope	4.6 m
Left Side	4.6 m
Right Side	0.0 m

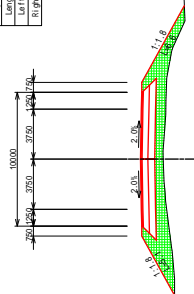
PK201

GH=97.66  
PH=99.214



PK	201+250
Excavation	0.0 m
Shoulder Slope	0.0 m
Enchantment	0.0 m
Shoulder Slope	0.0 m
Shoulder Slope	0.0 m
Shoulder Slope	0.0 m
Shoulder Slope	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	5.1 m
Left Side	0.0 m
Right Side	5.2 m

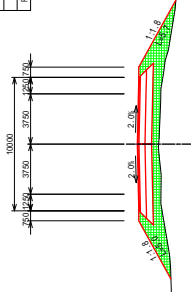
PK201+250  
 GH=86.29  
 PH=88.014



DL=80.0

PK	201+350
Excavation	0.0 m
Shoulder Slope	0.0 m
Enchantment	0.0 m
Shoulder Slope	0.0 m
Shoulder Slope	0.0 m
Shoulder Slope	0.0 m
Shoulder Slope	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	5.0 m
Left Side	0.0 m
Right Side	5.2 m

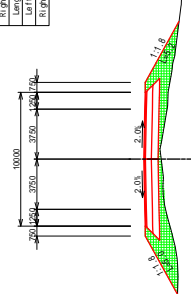
PK201+350  
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 PH=97.414



DL=80.0

PK	201+200
Excavation	0.0 m
Shoulder Slope	0.0 m
Enchantment	0.0 m
Shoulder Slope	0.0 m
Shoulder Slope	0.0 m
Shoulder Slope	0.0 m
Shoulder Slope	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	5.0 m
Left Side	0.0 m
Right Side	5.2 m

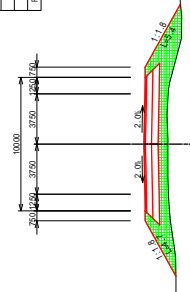
PK201+200  
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 PH=88.314



DL=80.0

PK	201+300
Excavation	0.0 m
Shoulder Slope	0.0 m
Enchantment	0.0 m
Shoulder Slope	0.0 m
Shoulder Slope	0.0 m
Shoulder Slope	0.0 m
Shoulder Slope	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	4.7 m
Left Side	0.0 m
Right Side	5.4 m

PK201+300  
 GH=95.81  
 PH=97.714



DL=80.0



REPUBLIQUE DE DJIBOUTI  
 MINISTERE DE L'EQUIPEMENT ET DES TRANSPORTS  
 DIRECTION DE L'EQUIPEMENT



JAPAN INTERNATIONAL COOPERATION AGENCY  
 YACHIYO ENGINEERING CO., LTD.

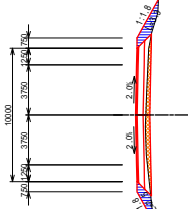
THE PREPARATORY SURVEY FOR  
 THE PROJECT FOR  
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 IN THE REPUBLIC OF DJIBOUTI

SHEET CONTENTS  
 CROSS SECTION  
 PK201+200 ~ PK201+350

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PK 201+550	
Excavation	0.0 m
200% Slope Soil	3.0 m
Embankment	3.3 m
200% Slope Soil	0.0 m
Embankment	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	2.5 m
Left Side	3.3 m
Right Side	3.3 m

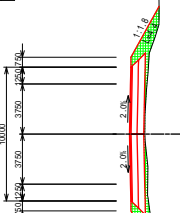
PK201+550  
GH=95.60  
PH=96.354



DL=90.0

PK 201+450	
Excavation	0.0 m
200% Slope Soil	0.0 m
Embankment	0.0 m
200% Slope Soil	0.0 m
Embankment	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	4.0 m
Left Side	4.4 m
Right Side	4.4 m

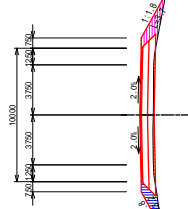
PK201+450  
GH=95.65  
PH=96.814



DL=90.0

PK 201+500	
Excavation	0.0 m
200% Slope Soil	1.0 m
Embankment	1.9 m
200% Slope Soil	2.3 m
Embankment	2.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	3.2 m
Left Side	3.2 m
Right Side	3.7 m

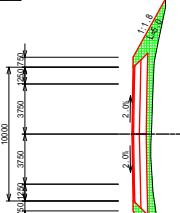
PK201+500  
GH=95.51  
PH=96.514



DL=90.0

PK 201+400	
Excavation	0.0 m
200% Slope Soil	0.0 m
Embankment	0.0 m
200% Slope Soil	0.0 m
Embankment	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	4.5 m
Left Side	4.5 m
Right Side	5.0 m

PK201+400  
GH=95.65  
PH=97.114



DL=90.0



REPUBLIQUE DE DJIBOUTI  
MINISTRE DE L'EQUIPEMENT ET DES TRANSPORTS  
DIRECTION DE L'EQUIPEMENT

JAPAN INTERNATIONAL COOPERATION AGENCY  
YACHIYO ENGINEERING CO., LTD.

THE PREPARATORY SURVEY FOR  
THE PROJECT FOR  
UPGRADING OF NATIONAL ROAD ROUTE 1  
IN THE REPUBLIC OF DJIBOUTI

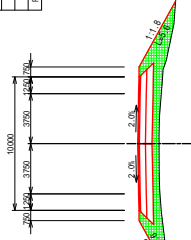
SHEET CONTENTS  
CROSS SECTION  
PK201+400 ~ PK201+550

SCALE S=1:400  
DATE NOV 2018  
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PK	201+750
Excavation	0.0 m
2003 Standard	0.0 m
Shoulder	0.0 m
Enbankment	0.0 m
2.5 m	0.0 m
3 m	0.0 m
Length of Embankment Slope	10.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Embankment Slope	4.8 m
Left Slope	4.2 n
Right Slope	4.8 n

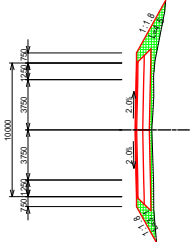
PK201+750  
GH=66.62  
PH=68.214



DL=90.0

PK	201+650
Excavation	0.0 m
2003 Standard	0.0 m
Shoulder	0.0 m
Enbankment	0.0 m
2.5 m	0.0 m
3 m	0.0 m
Length of Embankment Slope	8.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Embankment Slope	3.1 m
Left Slope	4.0 n
Right Slope	4.0 n

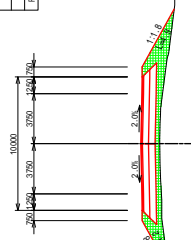
PK201+650  
GH=65.96  
PH=67.214



DL=90.0

PK	201+700
Excavation	0.0 m
2003 Standard	0.0 m
Shoulder	0.0 m
Enbankment	0.0 m
2.5 m	0.0 m
3 m	1.9 m
Length of Embankment Slope	10.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Embankment Slope	4.2 m
Left Slope	4.8 n
Right Slope	4.8 n

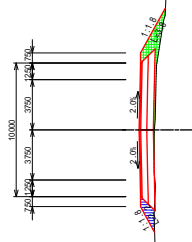
PK201+700  
GH=66.23  
PH=67.714



DL=90.0

PK	201+600
Excavation	0.0 m
2003 Standard	0.0 m
Shoulder	0.0 m
Enbankment	1.2 m
2.5 m	0.0 m
3 m	3.2 m
Length of Embankment Slope	10.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Embankment Slope	2.2 m
Left Slope	3.8 n
Right Slope	3.8 n

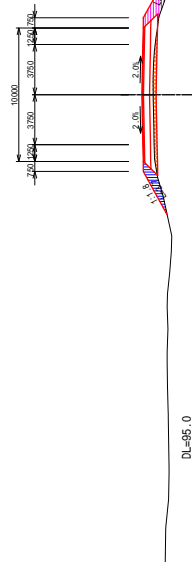
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DL=90.0

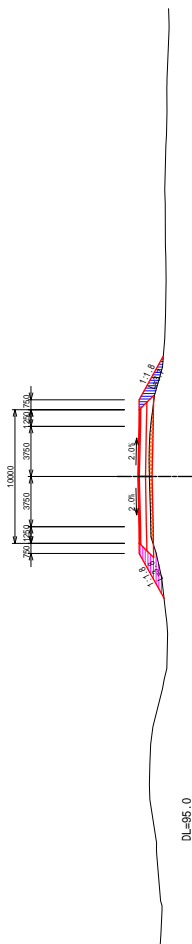
PK 201+850	
Excavation	0.0 m
Spillway	2.1 m
Enbankment	1.9 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Embankment Slope	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	3.7 m
Right Slope	4.1 m

PK201+850  
GH=68.02  
PH=68.864



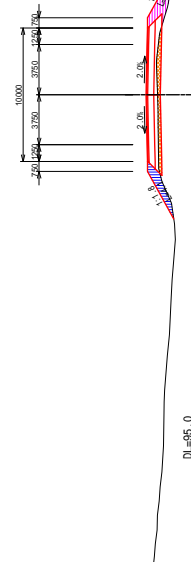
PK 201+950	
Excavation	0.0 m
Spillway	2.0 m
Enbankment	2.2 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Embankment Slope	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	3.8 m
Right Slope	3.7 m

PK201+950  
GH=68.30  
PH=69.164



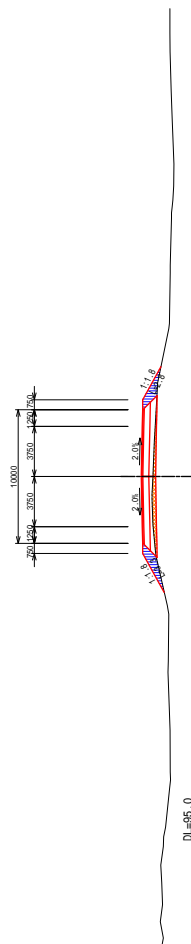
PK 201+800	
Excavation	0.0 m
Spillway	2.6 m
Enbankment	2.1 m
Left Slope	2.6 m
Right Slope	2.6 m
Length of Embankment Slope	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	4.1 m
Right Slope	3.8 m

PK201+800  
GH=67.80  
PH=68.653



PK 201+900	
Excavation	0.0 m
Spillway	2.2 m
Enbankment	3.2 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Embankment Slope	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	3.3 m
Right Slope	2.8 m

PK201+900  
GH=68.15  
PH=69.014



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JAPAN INTERNATIONAL COOPERATION AGENCY  
YACHIYO ENGINEERING CO., LTD.

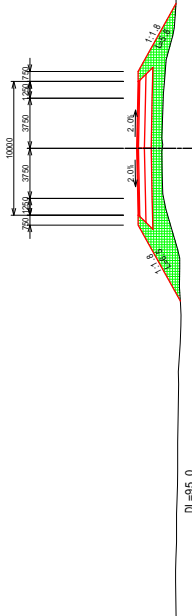
THE PREPARATORY SURVEY FOR  
THE PROJECT FOR  
UPGRADING OF NATIONAL ROAD ROUTE 1  
IN THE REPUBLIC OF DJIBOUTI

SHEET CONTENTS  
CROSS SECTION  
PK201+800 ~ PK201+950

SCALE S=1:400  
DATE NOV 2018  
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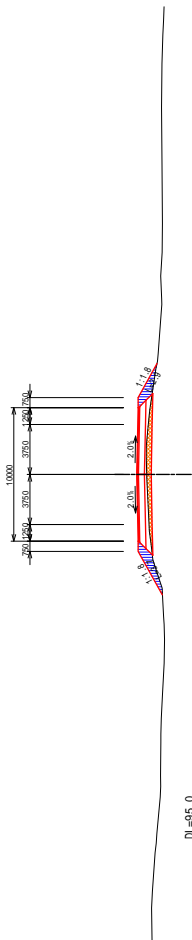
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Excavation	0.0 m
Shoulder Cut	0.0 m
Enbankment	0.0 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Excavation Slope	2.0 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Enbankment Slope	6.5 m
Left Slope	5.9 m
Right Slope	5.6 m

PK202+150  
GH=97.56  
PH=99.464



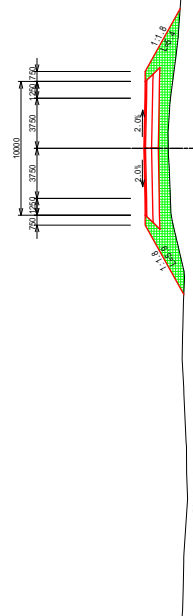
PK 202+50	
Excavation	0.0 m
Shoulder Cut	3.1 m
Enbankment	3.5 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Enbankment Slope	3.7 m
Left Slope	3.7 m
Right Slope	2.8 m

PK202+50  
GH=98.72  
PH=99.464



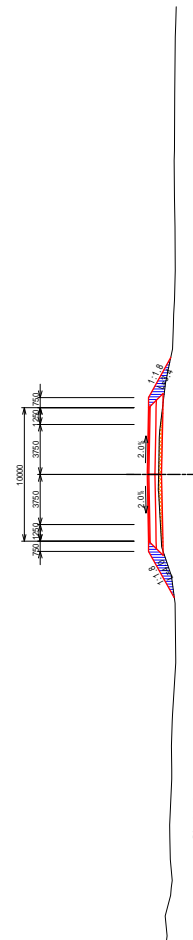
PK 202+100	
Excavation	0.0 m
Shoulder Cut	0.0 m
Enbankment	0.0 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Excavation Slope	2.5 m
Left Slope	2.5 m
Right Slope	2.15 m
Length of Enbankment Slope	0.0 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Enbankment Slope	5.9 m
Left Slope	5.9 m
Right Slope	5.4 m

PK202+100  
GH=97.74  
PH=99.461



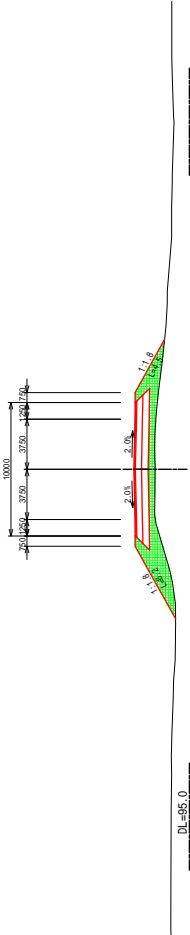
PK 202+0	
Excavation	0.0 m
Shoulder Cut	1.3 m
Enbankment	4.4 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Enbankment Slope	4.0 m
Left Slope	4.0 m
Right Slope	3.4 m

PK202  
GH=98.46  
PH=99.314



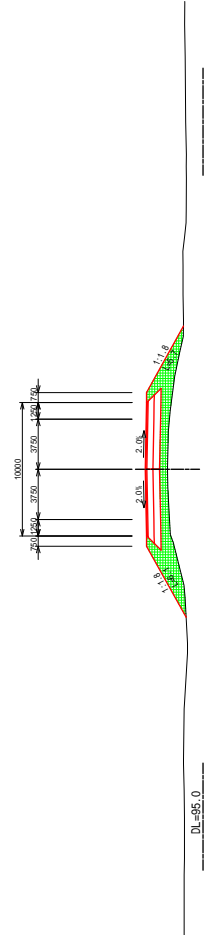
<b>PK 202+250</b>	Excavation	0.0	m
	Spill Out	0.0	m
	Embayment	0.0	m
	Length of Excavation Slope	0.0	m
	Left Side	0.0	m
	Right Side	0.0	m
	Length of Embayment Slope	6.2	m
	Left Side	6.2	m
	Right Side	4.0	m

**PK202+250**  
GH=97.58  
PH=99.164



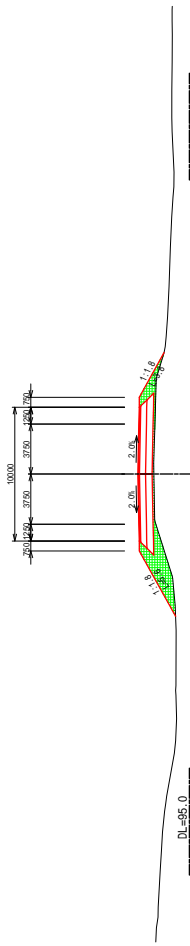
<b>PK 202+300</b>	Excavation	0.0	m
	Spill Out	0.0	m
	Embayment	0.0	m
	Length of Excavation Slope	0.0	m
	Left Side	0.0	m
	Right Side	0.0	m
	Length of Embayment Slope	6.9	m
	Left Side	6.9	m
	Right Side	4.5	m

**PK202+300**  
GH=97.65  
PH=99.314



<b>PK 202+350</b>	Excavation	0.0	m
	Spill Out	0.0	m
	Embayment	0.0	m
	Length of Excavation Slope	0.0	m
	Left Side	0.0	m
	Right Side	0.0	m
	Length of Embayment Slope	6.6	m
	Left Side	6.6	m
	Right Side	3.8	m

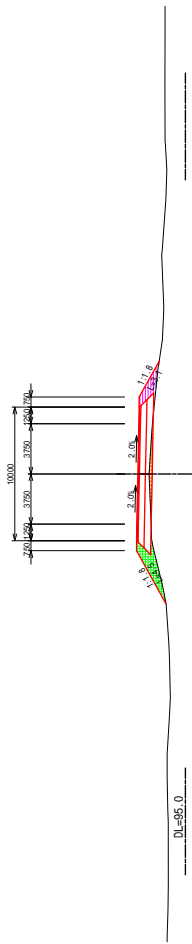
**PK202+350**  
GH=97.67  
PH=98.864



<b>PK 202+200</b>	Excavation	0.0	m
	Spill Out	0.0	m
	Embayment	0.0	m
	Length of Excavation Slope	0.0	m
	Left Side	0.0	m
	Right Side	0.0	m
	Length of Embayment Slope	6.1	m
	Left Side	6.1	m
	Right Side	5.7	m

PK	202+450
Excavation	0.0 m
Shoulder Cut	0.0 m
Embankment	1.0 m
Shoulder	0.0 m
Shoulder	0.0 m
Shoulder	1.0 m
Shoulder	1.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	4.5 m
Left Side	5.2 m
Right Side	3.1 m

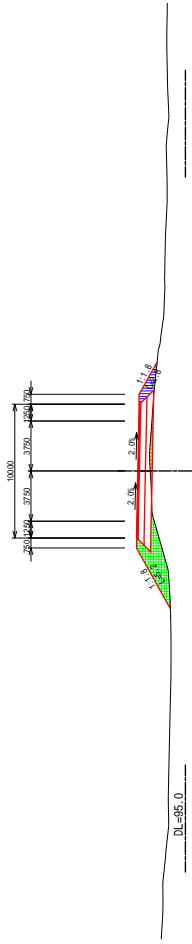
PK202+450  
GH=97.73  
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DL=95.0

PK	202+450
Excavation	0.0 m
Shoulder Cut	0.8 m
Embankment	1.6 m
Shoulder	0.0 m
Shoulder	0.0 m
Shoulder	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	5.2 m
Left Side	5.2 m
Right Side	2.8 m

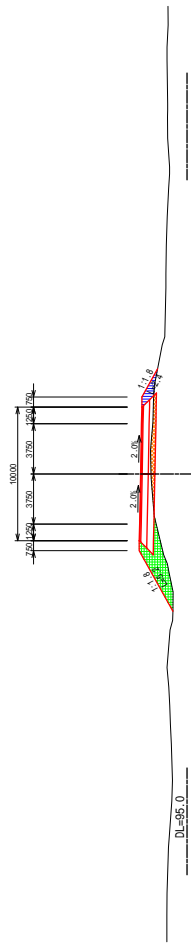
PK202+450  
GH=97.64  
PH=98.564



DL=95.0

PK	202+500
Excavation	0.0 m
Shoulder Cut	2.1 m
Embankment	1.2 m
Shoulder	0.0 m
Shoulder	0.0 m
Shoulder	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	6.2 m
Left Side	6.2 m
Right Side	2.4 m

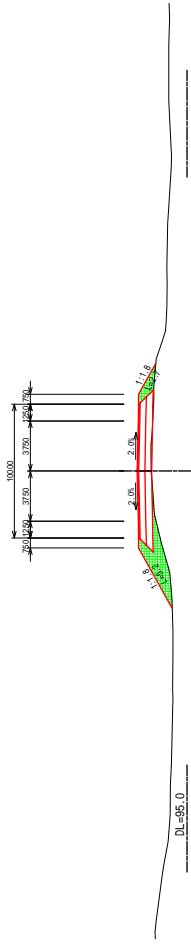
PK202+500  
GH=97.68  
PH=98.467



DL=95.0

PK	202+400
Excavation	0.0 m
Shoulder Cut	0.2 m
Embankment	0.0 m
Shoulder	0.0 m
Shoulder	0.0 m
Shoulder	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	5.2 m
Left Side	5.2 m
Right Side	2.7 m

PK202+400  
GH=97.67  
PH=98.714

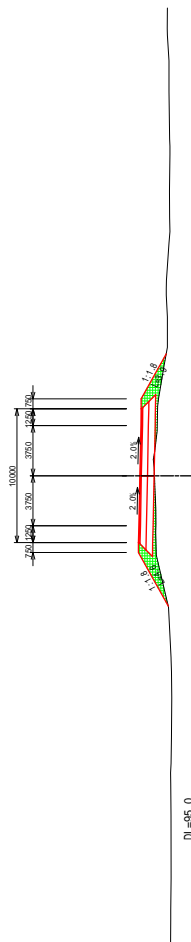


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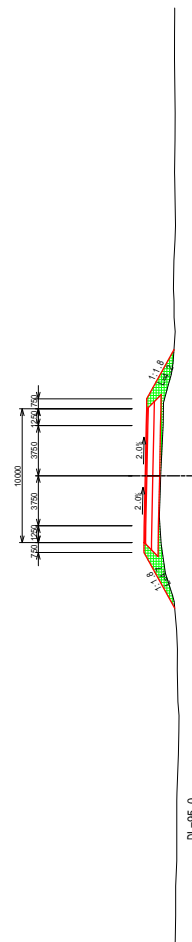
PK	202+750
Excavation	0.0 m
200234467501	0.1 m
Enchantment	0.0 m
200234467502	0.0 m
200234467503	0.0 m
200234467504	0.0 m
200234467505	0.0 m
200234467506	0.0 m
200234467507	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	4.8 m
Length of Enchantment Slope	0.0 m
Left Slope	4.8 m
Right Slope	3.9 m

PK202+750  
GH=98.07  
PH=99.164



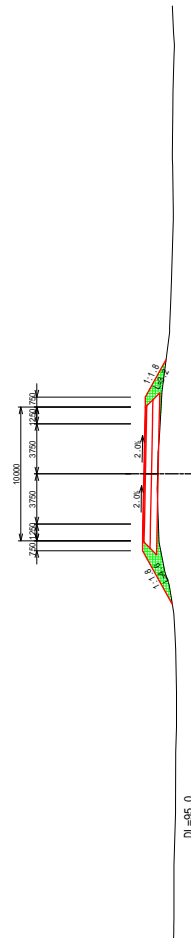
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Enchantment	0.0 m
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20023446704	0.0 m
20023446705	0.0 m
20023446706	0.0 m
20023446707	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	4.7 m
Length of Enchantment Slope	0.0 m
Left Slope	4.7 m
Right Slope	4.2 m

PK202+700  
GH=97.86  
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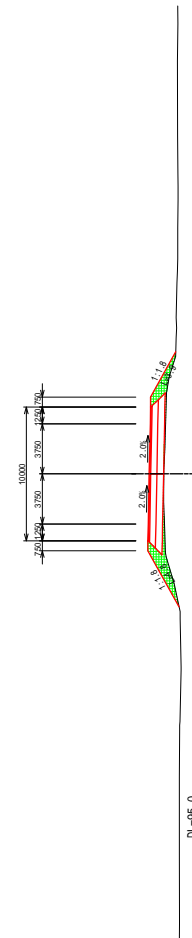
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Enchantment	0.0 m
20023446652	0.0 m
20023446653	0.0 m
20023446654	0.0 m
20023446655	0.0 m
20023446656	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	4.8 m
Length of Enchantment Slope	0.0 m
Left Slope	4.8 m
Right Slope	3.2 m

PK202+650  
GH=97.83  
PH=98.864



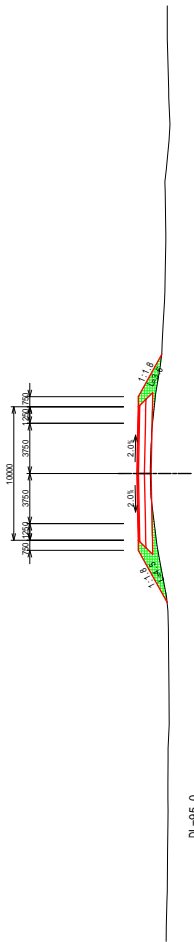
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Excavation	0.0 m
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Enchantment	0.0 m
20023446602	0.0 m
20023446603	0.0 m
20023446604	0.0 m
20023446605	0.0 m
20023446606	0.0 m
20023446607	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	4.9 m
Length of Enchantment Slope	0.0 m
Left Slope	4.9 m
Right Slope	3.9 m

PK202+600  
GH=97.63  
PH=98.714



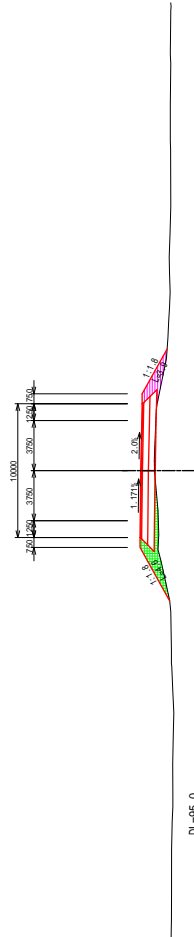
PK	202+850
Excavation	0.0 m
200234467501	0.2 m
200234467502	0.3 m
Enchantment	0.0 m
200234467503	2.1 m
200234467504	0.4 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Embankment Slope	4.8 m
Left Slope	4.8 n
Right Slope	3.8 m

PK202+850  
GH=98.44  
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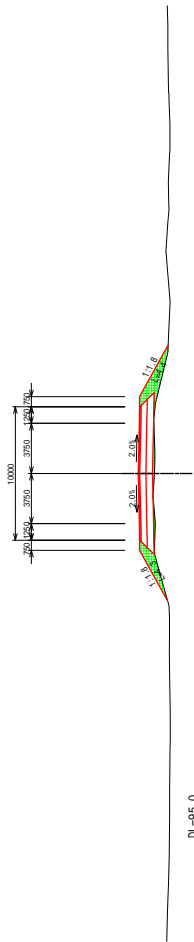
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Excavation	0.0 m
200234467501	0.3 m
Enchantment	0.0 m
200234467502	0.4 m
200234467503	0.4 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Embankment Slope	4.8 m
Left Slope	4.8 n
Right Slope	3.8 m

PK202+950  
GH=98.75  
PH=99.764



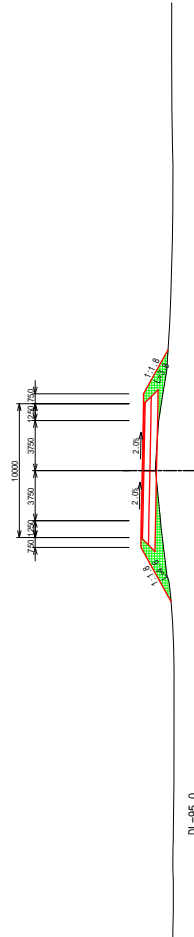
PK	202+800
Excavation	0.0 m
200234467501	0.1 m
Enchantment	0.0 m
200234467502	0.0 m
200234467503	0.0 m
Length of Excavation Slope	8.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Embankment Slope	4.6 m
Left Slope	4.6 n
Right Slope	3.8 m

PK202+800  
GH=98.32  
PH=99.314



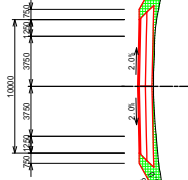
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Excavation	0.0 m
200234467501	0.0 m
Enchantment	0.0 m
200234467502	0.0 m
200234467503	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Embankment Slope	4.3 m
Left Slope	4.3 n
Right Slope	4.4 m

PK202+900  
GH=98.40  
PH=99.614



PK	203+150	
Excavation	0.0	ft
Open Cut	0.0	ft
Embankment	0.0	ft
Length of Excavation Slope	0.0	ft
Left Side	0.0	ft
Right Side	0.0	ft
Length of Embankment Slope	4.3	ft
Left Side	4.3	ft
Right Side	4.7	ft

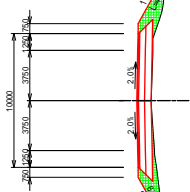
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 PH=100.364



DL=95.0

PK	203+50	
Excavation	0.0	ft
Open Cut	0.0	ft
Embankment	0.0	ft
Length of Excavation Slope	7.0	ft
Left Side	0.0	ft
Right Side	0.0	ft
Length of Embankment Slope	3.9	ft
Left Side	3.9	ft
Right Side	4.2	ft

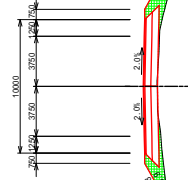
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 GH=98.98  
 PH=100.064



DL=95.0

PK	203+100	
Excavation	0.0	ft
Open Cut	0.1	ft
Embankment	0.0	ft
Length of Excavation Slope	0.0	ft
Left Side	0.0	ft
Right Side	0.0	ft
Length of Embankment Slope	3.9	ft
Left Side	3.9	ft
Right Side	4.5	ft

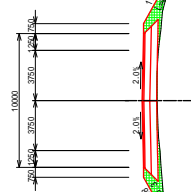
PK203+100  
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DL=95.0

PK	203+0	
Excavation	0.0	ft
Open Cut	0.0	ft
Embankment	0.0	ft
Length of Excavation Slope	0.0	ft
Left Side	0.0	ft
Right Side	0.0	ft
Length of Embankment Slope	3.3	ft
Left Side	3.3	ft
Right Side	4.2	ft

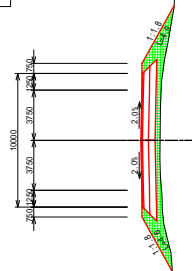
PK203  
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DL=95.0

PK	203+250
Excavation	0.0
Embankment	0.0
Length of Embankment	0.0
Length of Excavation	0.0
Length of Excavation Slope	14.5
Left Side	0.0
Right Side	0.0
Length of Embankment Slope	4.8
Left Side	4.8
Right Side	4.8

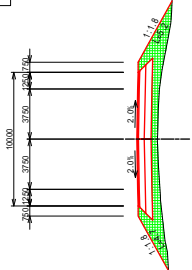
PK203+250  
GH=99.22  
PH=100.664



DL=95.0

PK	203+350
Excavation	0.0
Embankment	0.0
Length of Embankment	0.0
Length of Excavation	0.0
Length of Excavation Slope	14.5
Left Side	0.0
Right Side	0.0
Length of Embankment Slope	4.7
Left Side	4.7
Right Side	4.7

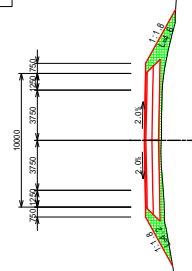
PK203+350  
GH=99.41  
PH=100.964



DL=95.0

PK	203+200
Excavation	0.0
Embankment	0.0
Length of Embankment	0.0
Length of Excavation	0.0
Length of Excavation Slope	9.8
Left Side	0.0
Right Side	0.0
Length of Embankment Slope	4.2
Left Side	4.2
Right Side	4.2

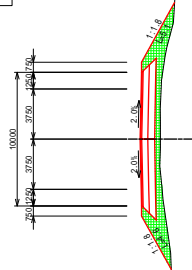
PK203+200  
GH=99.22  
PH=100.514



DL=95.0

PK	203+300
Excavation	0.0
Embankment	0.0
Length of Embankment	0.0
Length of Excavation	0.0
Length of Excavation Slope	13.6
Left Side	0.0
Right Side	0.0
Length of Embankment Slope	4.6
Left Side	4.6
Right Side	4.6

PK203+300  
GH=99.30  
PH=100.814



DL=95.0



REPUBLIQUE DE DJIBOUTI  
MINISTRE DE L'EQUIPEMENT ET DES TRANSPORTS  
DIRECTION DE L'EQUIPEMENT

JAPAN INTERNATIONAL COOPERATION AGENCY  
YACHIYO ENGINEERING CO., LTD.

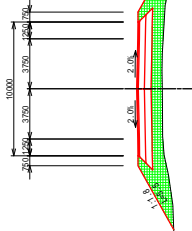
THE PREPARATORY SURVEY FOR  
THE PROJECT FOR  
UPGRADING OF NATIONAL ROAD ROUTE 1  
IN THE REPUBLIC OF DJIBOUTI

SHEET CONTENTS  
CROSS SECTION  
PK203+200 ~ PK203+350

SCALE S=1:400  
DATE NOV 2018  
PAGE NO. 49 / 131

PK 203+550	
Elevation (m)	
Top of Road	0.0
Subgrade	0.0
Shoulder	0.0
Embankment	0.0
Left Slope	0.0
Right Slope	0.0
Length of Embankment	20.0
Length of Excavation	0.0
Left Slope	0.0
Right Slope	0.0
Length of Embankment Slope	0.0
Left Slope	5.5
Right Slope	5.5
Length of Embankment Slope	0.0

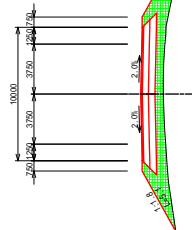
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DL=95.0

PK 203+450	
Elevation (m)	
Top of Road	0.0
Subgrade	0.0
Shoulder	0.0
Embankment	0.0
Left Slope	0.0
Right Slope	0.0
Length of Embankment	17.0
Length of Excavation	0.0
Left Slope	0.0
Right Slope	0.0
Length of Embankment Slope	0.0
Left Slope	5.1
Right Slope	5.1
Length of Embankment Slope	0.0

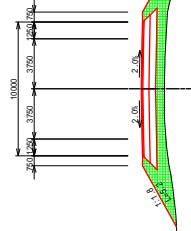
PK203+450  
GH=99.56  
PH=101.264



DL=95.0

PK 203+500	
Elevation (m)	
Top of Road	0.0
Subgrade	0.0
Shoulder	0.0
Embankment	0.0
Left Slope	0.0
Right Slope	0.0
Length of Embankment	17.7
Length of Excavation	0.0
Left Slope	0.0
Right Slope	0.0
Length of Embankment Slope	0.0
Left Slope	5.2
Right Slope	5.6
Length of Embankment Slope	0.0

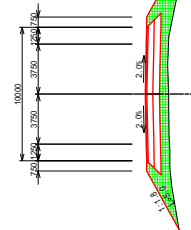
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PH=101.414



DL=95.0

PK 203+400	
Elevation (m)	
Top of Road	0.0
Subgrade	0.0
Shoulder	0.0
Embankment	0.0
Left Slope	0.0
Right Slope	0.0
Length of Embankment	18.0
Length of Excavation	0.0
Left Slope	0.0
Right Slope	0.0
Length of Embankment Slope	0.0
Left Slope	5.0
Right Slope	5.4
Length of Embankment Slope	0.0

PK203+400  
GH=99.35  
PH=101.114



DL=95.0



REPUBLIQUE DE DJIBOUTI  
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JAPAN INTERNATIONAL COOPERATION AGENCY  
YACHIYO ENGINEERING CO., LTD.

THE PREPARATORY SURVEY FOR  
THE PROJECT FOR  
UPGRADING OF NATIONAL ROAD ROUTE 1  
IN THE REPUBLIC OF DJIBOUTI

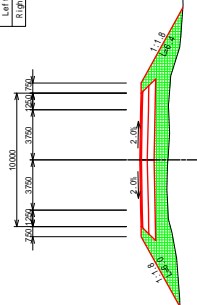
SHEET CONTENTS  
CROSS SECTION  
PK203+400 ~ PK203+550

SCALE S=1:400  
DATE NOV 2018  
PAGE NO. 50 / 131



PK	203+650
Excavation	0.0 m
Subgrade	0.0 m
Enbankment	0.0 m
Length of Enbankment Slope	25.7 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	6.0 m
Left Slope	6.4 n
Right Slope	6.4 n

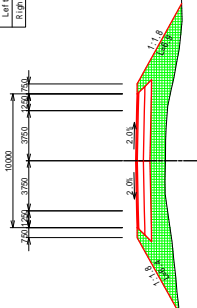
PK203+650  
GH=99.76  
PH=101.864



DL=95.0

PK	203+750
Excavation	0.0 m
Subgrade	0.0 m
Enbankment	0.0 m
Length of Enbankment Slope	30.7 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	6.4 m
Left Slope	6.8 n
Right Slope	6.8 n

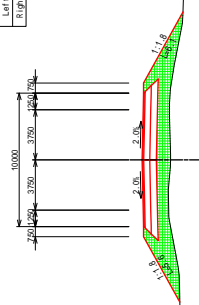
PK203+750  
GH=99.95  
PH=102.164



DL=95.0

PK	203+600
Excavation	0.0 m
Subgrade	0.0 m
Enbankment	0.0 m
Length of Enbankment Slope	22.8 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	5.6 m
Left Slope	6.1 n
Right Slope	6.1 n

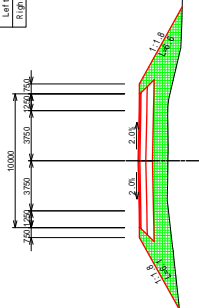
PK203+600  
GH=99.59  
PH=101.714



DL=95.0

PK	203+700
Excavation	0.0 m
Subgrade	0.0 m
Enbankment	0.0 m
Length of Enbankment Slope	26.3 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	6.1 m
Left Slope	6.6 n
Right Slope	6.6 n

PK203+700  
GH=99.79  
PH=102.014



DL=95.0



REPUBLIQUE DE DJIBOUTI  
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DIRECTION DE L'EQUIPEMENT



JAPAN INTERNATIONAL COOPERATION AGENCY  
YACHIO ENGINEERING CO., LTD.

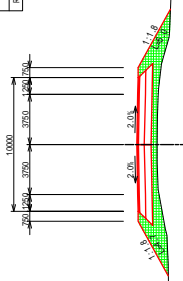
THE PREPARATORY SURVEY FOR  
THE PROJECT FOR  
UPGRADING OF NATIONAL ROAD ROUTE 1  
IN THE REPUBLIC OF DJIBOUTI

SHEET CONTENTS  
CROSS SECTION  
PK203+600 ~ PK203+750

SCALE S=1:400  
DATE NOV 2018  
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PK	203+850
Excavation	0.0 m
20022649.501	0.0 m
20022649.501	0.0 m
Enchantment	0.0 m
20022649.501	0.0 m
20022649.501	0.0 m
20022649.501	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enchantment Slope	4.7 m
Left Slope	4.7 n
Right Slope	5.0 m

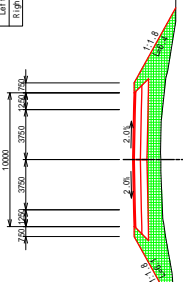
PK203+850  
GH=100.07  
PH=102.164



DL=95.0

PK	203+850
Excavation	0.0 m
20022649.501	0.0 m
20022649.501	0.0 m
Enchantment	0.0 m
20022649.501	0.0 m
20022649.501	0.0 m
20022649.501	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enchantment Slope	6.1 m
Left Slope	6.1 n
Right Slope	6.4 m

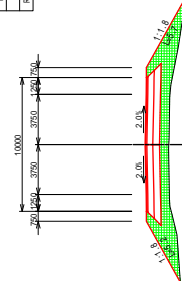
PK203+850  
GH=100.07  
PH=102.164



DL=95.0

PK	203+900
Excavation	0.0 m
20022649.501	0.0 m
20022649.501	0.0 m
Enchantment	0.0 m
20022649.501	0.0 m
20022649.501	0.0 m
20022649.501	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enchantment Slope	5.2 m
Left Slope	5.2 n
Right Slope	5.7 m

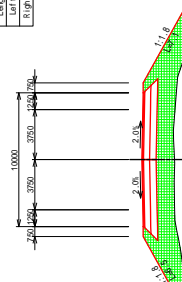
PK203+900  
GH=100.25  
PH=102.014



DL=95.0

PK	203+800
Excavation	0.0 m
20022649.501	0.0 m
20022649.501	0.0 m
Enchantment	0.0 m
20022649.501	0.0 m
20022649.501	0.0 m
20022649.501	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enchantment Slope	6.5 m
Left Slope	6.5 n
Right Slope	7.1 m

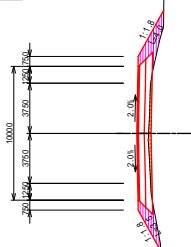
PK203+800  
GH=99.82  
PH=102.261



DL=95.0

PK	204+150
Excavation	0.0 m
Spillway	1.3 m
Enbankment	0.0 m
Length of Enbankment Slope	3.2 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	3.5 m
Left Side	3.5 m
Right Side	4.0 m

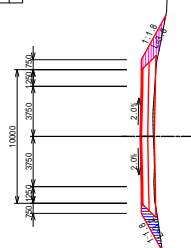
PK204+150  
GH=100.98  
PH=101.864



DL=95.0

PK	204+50
Excavation	0.0 m
Spillway	0.7 m
Enbankment	1.9 m
Length of Enbankment Slope	4.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	3.2 m
Left Side	3.2 m
Right Side	3.8 m

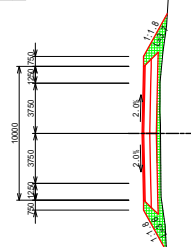
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GH=100.61  
PH=101.617



DL=95.0

PK	204+100
Excavation	0.0 m
Spillway	0.0 m
Enbankment	0.0 m
Length of Enbankment Slope	3.3 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	3.6 m
Left Side	3.6 m
Right Side	3.7 m

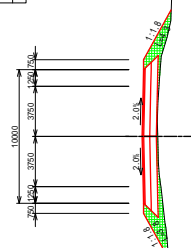
PK204+100  
GH=100.34  
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DL=95.0

PK	204+0
Excavation	0.0 m
Spillway	0.0 m
Enbankment	0.0 m
Length of Enbankment Slope	3.3 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	3.8 m
Left Side	3.8 m
Right Side	4.3 m

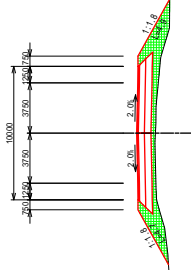
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DL=95.0

PK	204+250	
Excavation	0.0	mf
Shoulder Slope	0.0	mf
Enchantment	0.0	mf
Shoulder Slope	0.0	mf
Shoulder Slope	0.0	mf
Shoulder Slope	0.0	mf
Shoulder Slope	0.0	mf
Length of Enchantment Slope	0.0	n
Left Side	0.0	n
Right Side	0.0	n
Length of Enchantment Slope	4.3	n
Left Side	4.3	n
Right Side	4.3	n

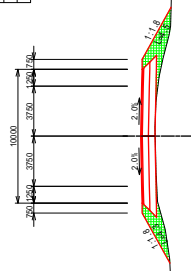
PK204+250  
 GH=101.08  
 PH=102.164



DL=95.0

PK	204+350	
Excavation	0.0	mf
Shoulder Slope	0.0	mf
Enchantment	0.0	mf
Shoulder Slope	0.0	mf
Shoulder Slope	0.0	mf
Shoulder Slope	0.0	mf
Shoulder Slope	0.0	mf
Length of Enchantment Slope	0.0	n
Left Side	0.0	n
Right Side	0.0	n
Length of Enchantment Slope	4.7	n
Left Side	4.7	n
Right Side	4.7	n

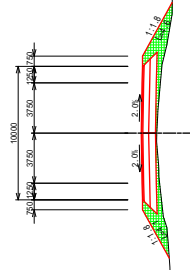
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 GH=101.08  
 PH=102.464



DL=95.0

PK	204+200	
Excavation	0.0	mf
Shoulder Slope	1.0	mf
Enchantment	0.0	mf
Shoulder Slope	5.8	mf
Shoulder Slope	0.0	mf
Shoulder Slope	0.0	mf
Length of Enchantment Slope	0.0	n
Left Side	0.0	n
Right Side	0.0	n
Length of Enchantment Slope	3.8	n
Left Side	3.8	n
Right Side	4.1	n

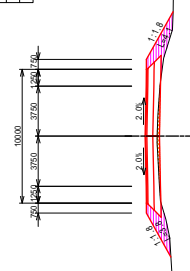
PK204+200  
 GH=101.12  
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DL=95.0

PK	204+300	
Excavation	0.0	mf
Shoulder Slope	0.0	mf
Enchantment	0.0	mf
Shoulder Slope	2.8	mf
Shoulder Slope	0.0	mf
Shoulder Slope	0.0	mf
Length of Enchantment Slope	0.0	n
Left Side	0.0	n
Right Side	0.0	n
Length of Enchantment Slope	4.1	n
Left Side	4.1	n
Right Side	4.6	n

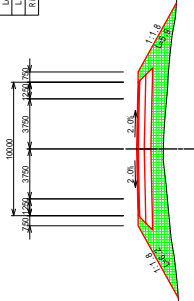
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 GH=101.13  
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DL=95.0

PK 204+550	
Excavation	0.0 m <sup>2</sup>
200% Slope Soil	0.0 m <sup>2</sup>
300% Slope Soil	0.0 m <sup>2</sup>
Embankment	0.0 m <sup>2</sup>
2.5% to 4.0%	0.0 m <sup>2</sup>
4.0% to 5.0%	26.2 m <sup>2</sup>
5.0% to 6.0%	0.0 m <sup>2</sup>
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m

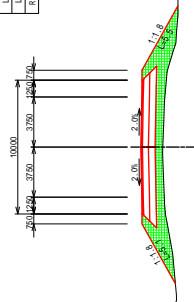
PK204+550  
 GH=101.07  
 PH=103.064



DL=95.0

PK 204+450	
Excavation	0.0 m <sup>2</sup>
200% Slope Soil	0.0 m <sup>2</sup>
300% Slope Soil	0.0 m <sup>2</sup>
Embankment	0.0 m <sup>2</sup>
2.5% to 4.0%	0.0 m <sup>2</sup>
4.0% to 5.0%	17.0 m <sup>2</sup>
5.0% to 6.0%	0.0 m <sup>2</sup>
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	5.1 m
Right Side	0.0 m

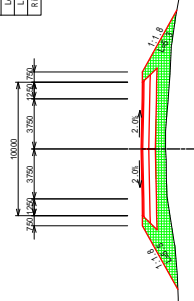
PK204+450  
 GH=101.11  
 PH=102.764



DL=95.0

PK 204+500	
Excavation	0.0 m <sup>2</sup>
200% Slope Soil	0.0 m <sup>2</sup>
300% Slope Soil	0.0 m <sup>2</sup>
Embankment	0.0 m <sup>2</sup>
2.5% to 4.0%	0.0 m <sup>2</sup>
4.0% to 5.0%	26.2 m <sup>2</sup>
5.0% to 6.0%	0.0 m <sup>2</sup>
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	5.5 m
Right Side	5.3 m

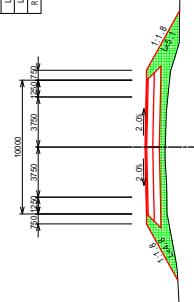
PK204+500  
 GH=101.09  
 PH=102.914



DL=95.0

PK 204+400	
Excavation	0.0 m <sup>2</sup>
200% Slope Soil	0.0 m <sup>2</sup>
300% Slope Soil	0.0 m <sup>2</sup>
Embankment	0.0 m <sup>2</sup>
2.5% to 4.0%	0.0 m <sup>2</sup>
4.0% to 5.0%	16.0 m <sup>2</sup>
5.0% to 6.0%	0.0 m <sup>2</sup>
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	4.8 m
Right Side	5.1 m

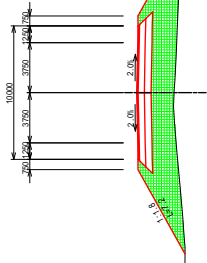
PK204+400  
 GH=101.11  
 PH=102.614



DL=95.0

PK	204+750
Excavation	0.0 m
Shoulder Slope	0.0 m
Enchantment	0.0 m
Shoulder Slope	0.0 m
Shoulder Slope	40.2 m
Length of Embankment Slope	0.0 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Embankment Slope	7.2 m
Left Slope	7.2 m
Right Slope	7.3 m

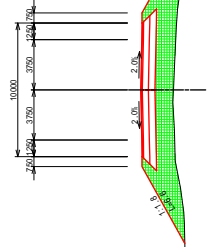
PK204+750  
 GH=100.87  
 PH=103.664



DL=95.0

PK	204+650
Excavation	0.0 m
Shoulder Slope	0.0 m
Enchantment	0.0 m
Shoulder Slope	0.0 m
Shoulder Slope	30.0 m
Length of Embankment Slope	0.0 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Embankment Slope	6.5 m
Left Slope	6.5 m
Right Slope	6.5 m

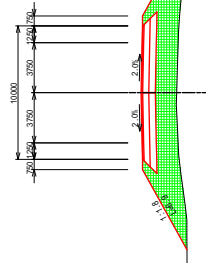
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DL=95.0

PK	204+700
Excavation	0.0 m
Shoulder Slope	0.0 m
Enchantment	0.0 m
Shoulder Slope	0.0 m
Shoulder Slope	35.0 m
Length of Embankment Slope	0.0 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Embankment Slope	6.9 m
Left Slope	6.9 m
Right Slope	7.4 m

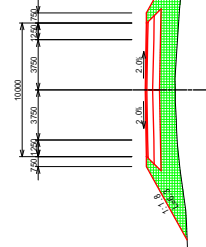
PK204+700  
 GH=100.86  
 PH=103.514



DL=95.0

PK	204+600
Excavation	0.0 m
Shoulder Slope	0.0 m
Enchantment	0.0 m
Shoulder Slope	0.0 m
Shoulder Slope	28.0 m
Length of Embankment Slope	0.0 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Embankment Slope	6.3 m
Left Slope	6.3 m
Right Slope	6.5 m

PK204+600  
 GH=100.96  
 PH=103.214

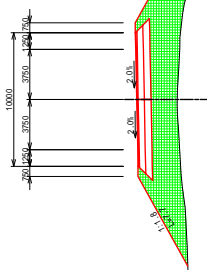


DL=95.0



PK	204+850
Excavation	0.0 m
Shoulder	0.0 m
Enchantment	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Embankment Slope	7.7 m
Left Slope	8.2 n
Right Slope	8.8 n

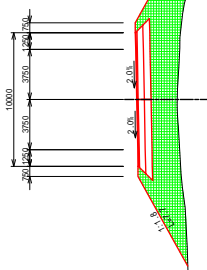
PK204+850  
 GH=100.71  
 PH=103.911



DL=95.0

PK	204+950
Excavation	0.0 m
Shoulder	0.0 m
Enchantment	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Embankment Slope	7.7 m
Left Slope	8.2 n
Right Slope	8.8 n

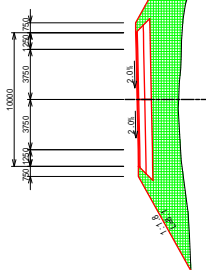
PK204+950  
 GH=100.63  
 PH=103.664



DL=95.0

PK	204+800
Excavation	0.0 m
Shoulder	0.0 m
Enchantment	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Embankment Slope	7.8 m
Left Slope	8.5 n
Right Slope	8.5 n

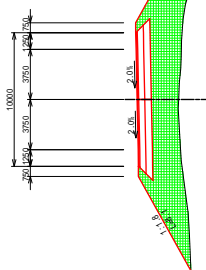
PK204+800  
 GH=100.72  
 PH=103.814



DL=95.0

PK	204+900
Excavation	0.0 m
Shoulder	0.0 m
Enchantment	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Embankment Slope	9.1 m
Left Slope	9.1 n
Right Slope	9.8 n

PK204+900  
 GH=100.71  
 PH=103.814



DL=95.0



REPUBLIQUE DE DJIBOUTI  
 MINISTERE DE L'EQUIPEMENT ET DES TRANSPORTS  
 DIRECTION DE L'EQUIPEMENT

JAPAN INTERNATIONAL COOPERATION AGENCY  
 YACHIYO ENGINEERING CO., LTD.

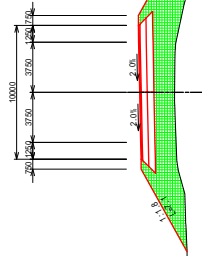
THE PREPARATORY SURVEY FOR  
 THE PROJECT FOR  
 UPGRADING OF NATIONAL ROAD ROUTE 1  
 IN THE REPUBLIC OF DJIBOUTI

SHEET CONTENTS  
 CROSS SECTION  
 PK204+800 ~ PK204+950

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PK	205+150
Excavation	0.0 m
Shoulder	0.0 m
Enbankment	0.0 m
Length of Excavation	0.0 m
Length of Enbankment	4.2 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Left Side	7.1 m
Right Side	8.4 m

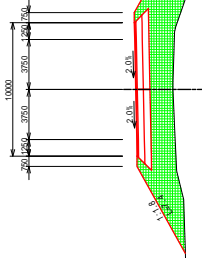
PK205+150  
 GH=100.45  
 PH=103.064



DL=95.0

PK	205+50
Excavation	0.0 m
Shoulder	0.0 m
Enbankment	0.0 m
Length of Excavation	0.0 m
Length of Enbankment	4.2 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Left Side	7.8 m
Right Side	8.8 m

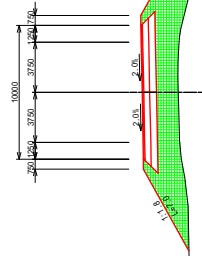
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DL=95.0

PK	205+100
Excavation	0.0 m
Shoulder	0.0 m
Enbankment	0.0 m
Length of Excavation	0.0 m
Length of Enbankment	4.2 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Left Side	7.0 m
Right Side	8.6 m

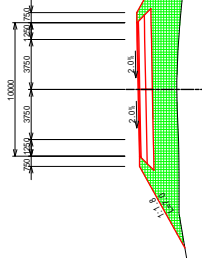
PK205+100  
 GH=100.51  
 PH=103.214



DL=95.0

PK	205+0
Excavation	0.0 m
Shoulder	0.0 m
Enbankment	0.0 m
Length of Excavation	0.0 m
Length of Enbankment	4.2 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Left Side	7.0 m
Right Side	8.2 m

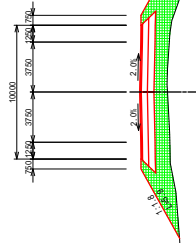
PK205  
 GH=100.61  
 PH=103.514



DL=95.0

PK 205+250	
Excavation	0.0 m
Shoulder	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	0.0 m
Length of Enbankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m

PK205+250  
GH=100.39  
PH=102.764

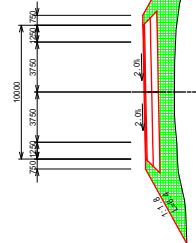


DL=95.0

PK 205+300	
Excavation	0.0 m
Shoulder	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	0.0 m
Length of Enbankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m

PK 205+300	
Excavation	0.0 m
Shoulder	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	0.0 m
Length of Enbankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m

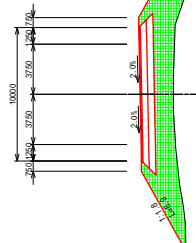
PK205+300  
GH=100.34  
PH=102.614



DL=95.0

PK 205+200	
Excavation	0.0 m
Shoulder	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	0.0 m
Length of Enbankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m

PK205+200  
GH=100.43  
PH=102.914

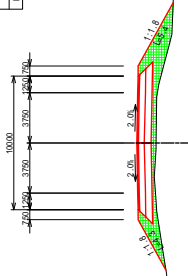


DL=95.0

	REPUBLIQUE DE DJIBOUTI MINISTRE DE L'EQUIPEMENT ET DES TRANSPORTS DIRECTION DE L'EQUIPEMENT		JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.	THE PREPARATORY SURVEY FOR THE PROJECT FOR UPGRADING OF NATIONAL ROAD ROUTE 1 IN THE REPUBLIC OF DJIBOUTI	SHEET CONTENTS CROSS SECTION PK205+200 ~ PK205+350	SCALE S=1:400	DATE NOV 2018	PAGE NO. 59 / 131

PK	205+550
Excavation	0.0 m
Shoulder	0.0 m
Embankment	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Embankment Slope	4.3 m
Right Slope	5.4 m

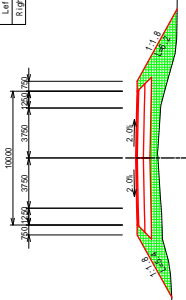
PK205+550  
 GH=100.42  
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DL=95.0

PK	205+450
Excavation	0.0 m
Shoulder	0.0 m
Embankment	0.0 m
Length of Embankment Slope	20.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Embankment Slope	5.4 m
Right Slope	6.2 m

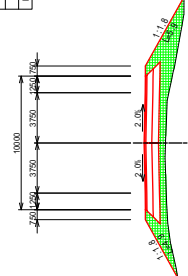
PK205+450  
 GH=100.50  
 PH=102.164



DL=95.0

PK	205+500
Excavation	0.0 m
Shoulder	0.0 m
Embankment	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Embankment Slope	4.9 m
Right Slope	5.9 m

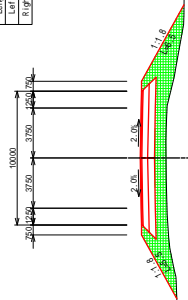
PK205+500  
 GH=100.42  
 PH=102.014



DL=95.0

PK	205+400
Excavation	0.0 m
Shoulder	0.0 m
Embankment	0.0 m
Length of Embankment Slope	20.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Embankment Slope	5.5 m
Right Slope	6.5 m

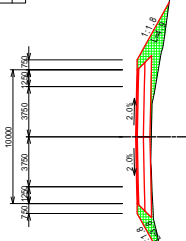
PK205+400  
 GH=100.38  
 PH=102.314



DL=95.0

PK	205+750
Excavation	0.0 m
2000/3000/5000	0.0 m
Enchantment	0.0 m
2000/3000/5000	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enchantment Slope	3.4 m
Left Slope	3.4 n
Right Slope	4.9 m

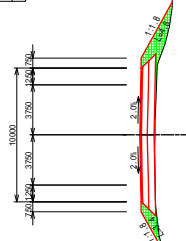
PK205+750  
GH=101.00  
PH=102.164



DL=95.0

PK	205+650
Excavation	0.0 m
2000/3000/5000	0.0 m
Enchantment	0.0 m
2000/3000/5000	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enchantment Slope	3.4 m
Left Slope	3.4 n
Right Slope	4.9 m

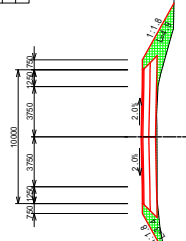
PK205+650  
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PH=101.884



DL=95.0

PK	205+700
Excavation	0.0 m
2000/3000/5000	0.0 m
Enchantment	0.0 m
2000/3000/5000	0.0 m
Length of Excavation Slope	7.2 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enchantment Slope	3.4 m
Left Slope	3.4 n
Right Slope	4.9 m

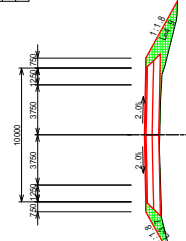
PK205+700  
GH=100.84  
PH=102.014



DL=95.0

PK	205+600
Excavation	0.0 m
2000/3000/5000	0.0 m
Enchantment	0.0 m
2000/3000/5000	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enchantment Slope	3.7 m
Left Slope	3.7 n
Right Slope	4.9 m

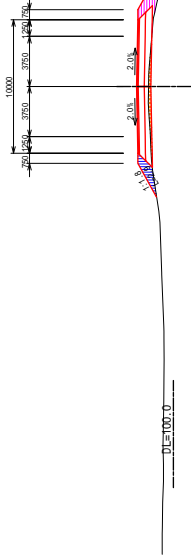
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PH=101.787



DL=95.0

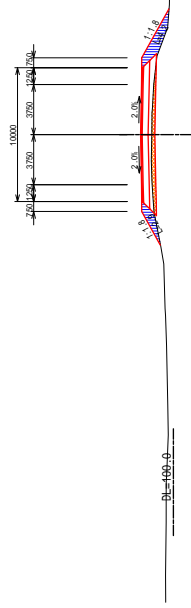
<b>PK 205+850</b>	
Excavation	0.0 m
Shoulder	1.2 m
Enbankment	1.6 m
Shoulder	0.0 m
Shoulder	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	2.9 m
Left Slope	2.9 n
Right Slope	4.2 n

**PK205+850**  
 Gh=101.64  
 Ph=102.464



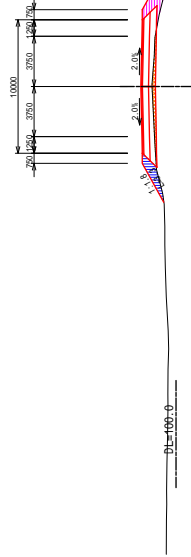
<b>PK 205+950</b>	
Excavation	0.0 m
Shoulder	1.2 m
Enbankment	1.6 m
Shoulder	0.0 m
Shoulder	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	2.9 m
Left Slope	2.9 n
Right Slope	4.2 n

**PK205+850**  
 Gh=101.64  
 Ph=102.464



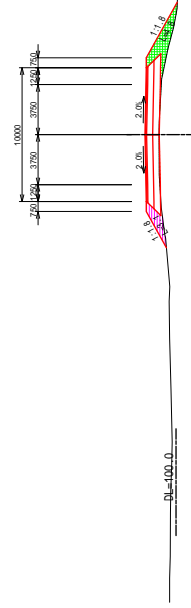
<b>PK 205+800</b>	
Excavation	0.0 m
Shoulder	0.2 m
Enbankment	1.7 m
Shoulder	3.2 m
Shoulder	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	3.1 m
Left Slope	3.1 n
Right Slope	4.3 n

**PK205+800**  
 Gh=101.27  
 Ph=102.314



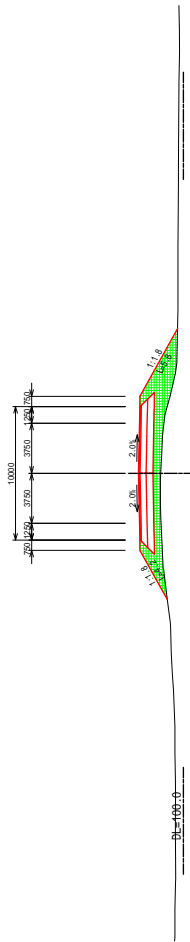
<b>PK 205+900</b>	
Excavation	0.0 m
Shoulder	1.6 m
Enbankment	1.7 m
Shoulder	3.2 m
Shoulder	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	3.3 m
Left Slope	3.3 n
Right Slope	4.2 n

**PK205+900**  
 Gh=101.78  
 Ph=102.614



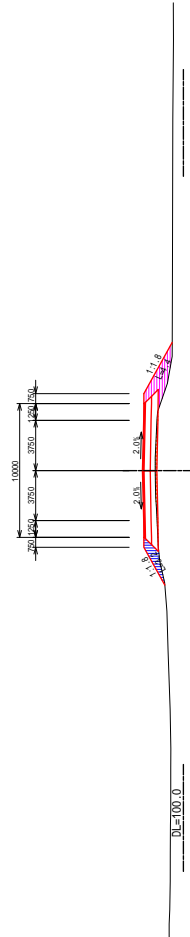
PK 206+150	
Excavation	0.0 m
Open Cut	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	4.2 m
Left Side	2.1 m
Right Side	2.1 m

PK206+150  
GH=101.70  
PH=103.364



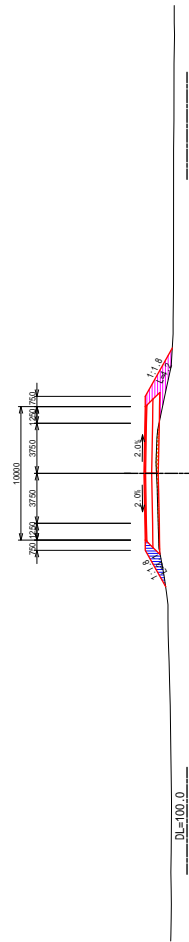
PK 206+50	
Excavation	0.0 m
Open Cut	0.9 m
Enbankment	1.7 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	3.2 m
Left Side	1.6 m
Right Side	1.6 m

PK206+50  
GH=102.12  
PH=103.064



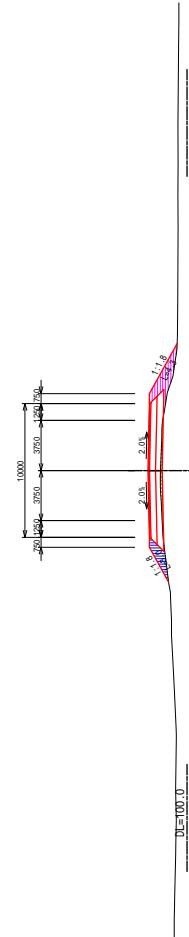
PK 206+100	
Excavation	0.0 m
Open Cut	1.1 m
Enbankment	1.7 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	3.1 m
Left Side	1.55 m
Right Side	1.55 m

PK206+100  
GH=102.28  
PH=103.214



PK 206+0	
Excavation	0.0 m
Open Cut	1.0 m
Enbankment	1.7 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	3.0 m
Left Side	1.5 m
Right Side	1.5 m

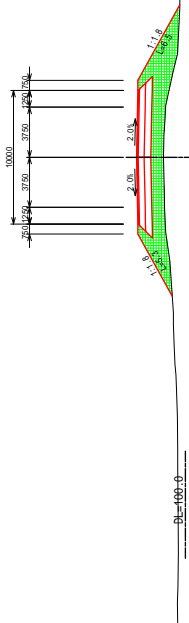
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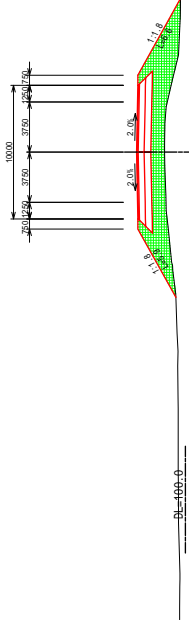
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Excavation	0.0
Shoulder	0.0
Subgrade	0.0
Embankment	0.0
Gravel	0.0
Length of Excavation Slope	0.0
Left Side	0.0
Right Side	0.0
Length of Embankment Slope	5.3
Left Side	5.3
Right Side	0.0

PK206+250  
 GH=101.65  
 PH=103.664



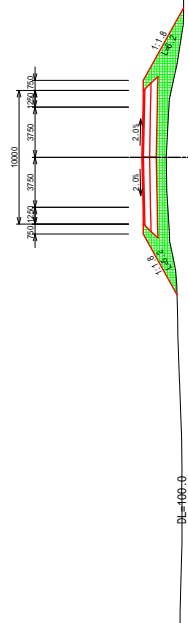
PK	206+350
Excavation	0.0
Shoulder	0.0
Subgrade	0.0
Embankment	0.0
Gravel	0.0
Length of Excavation Slope	2.9
Left Side	0.0
Right Side	0.0
Length of Embankment Slope	5.9
Left Side	5.9
Right Side	0.0

PK206+350  
 GH=101.56  
 PH=103.664



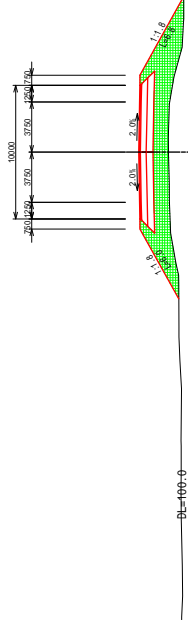
PK	206+200
Excavation	0.0
Shoulder	0.0
Subgrade	0.0
Embankment	0.0
Gravel	0.0
Length of Excavation Slope	2.9
Left Side	0.0
Right Side	0.0
Length of Embankment Slope	5.2
Left Side	5.2
Right Side	0.0

PK206+200  
 GH=101.69  
 PH=103.514



PK	206+300
Excavation	0.0
Shoulder	0.0
Subgrade	0.0
Embankment	0.0
Gravel	0.0
Length of Excavation Slope	2.9
Left Side	0.0
Right Side	0.0
Length of Embankment Slope	6.0
Left Side	6.0
Right Side	0.0

PK206+300  
 GH=101.52  
 PH=103.761



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JAPAN INTERNATIONAL COOPERATION AGENCY  
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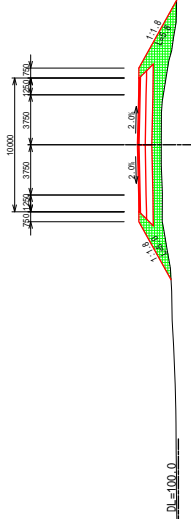
THE PREPARATORY SURVEY FOR  
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 PK206+200 ~ PK206+350

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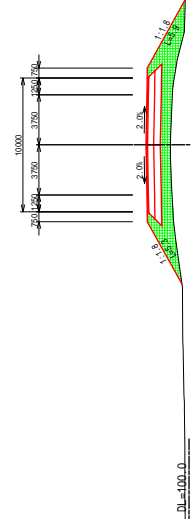
PK 206+550	
Excavation	
Open Slope	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	0.0 m
Length of Enbankment Slope	0.0 m
Left Side	0.0 n
Right Side	0.0 n
Left Slope	5.0 n
Right Slope	5.0 n

**PK206+550**  
 GH=101.28  
 PH=103.064



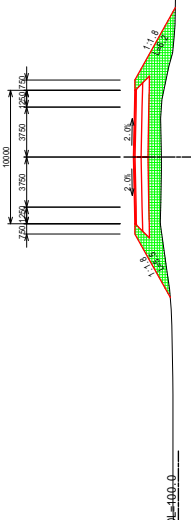
PK 206+500	
Excavation	
Open Slope	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	0.0 m
Length of Enbankment Slope	0.0 m
Left Side	0.0 n
Right Side	0.0 n
Left Slope	5.3 n
Right Slope	5.3 n

**PK206+500**  
 GH=101.38  
 PH=103.214



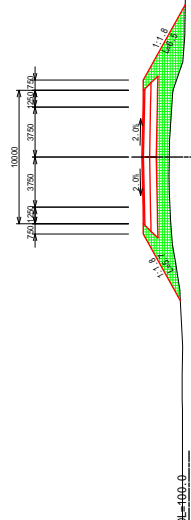
PK 206+450	
Excavation	
Open Slope	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	0.0 m
Length of Enbankment Slope	0.0 m
Left Side	0.0 n
Right Side	0.0 n
Left Slope	5.5 n
Right Slope	5.5 n

**PK206+450**  
 GH=101.27  
 PH=103.384



PK 206+400	
Excavation	
Open Slope	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	0.0 m
Length of Enbankment Slope	0.0 m
Left Side	0.0 n
Right Side	0.0 n
Left Slope	5.7 n
Right Slope	6.5 n

**PK206+400**  
 GH=101.47  
 PH=103.514



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 DIRECTION DE L'EQUIPEMENT



JAPAN INTERNATIONAL COOPERATION AGENCY  
 YACHIYO ENGINEERING CO., LTD.

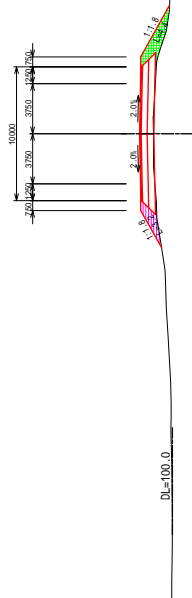
THE PREPARATORY SURVEY FOR  
 THE PROJECT FOR  
 UPGRADING OF NATIONAL ROAD ROUTE 1  
 IN THE REPUBLIC OF DJIBOUTI

SHEET CONTENTS  
 CROSS SECTION  
 PK206+400 ~ PK206+550

SCALE S=1:400  
 DATE NOV 2018  
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PK 206+750	
Excavation	
206+744.001	0.0 m
206+744.001	0.3 m
Embankment	
206+744.001	0.0 m
206+744.001	0.0 m
206+744.001	3.3 m
206+744.001	3.3 m
Length of Embankment Slope	
Left Slope	0.0 m
Right Slope	0.0 m
Length of Embankment Stage	
Left Slope	3.2 m
Right Slope	4.4 m

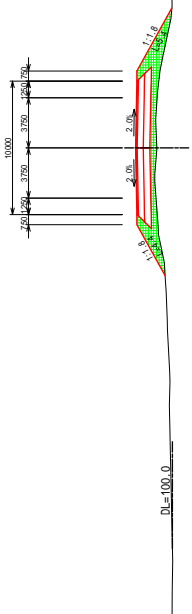
PK206+750  
 GH=101.43  
 PH=102.464



DL=100.0

PK 206+650	
Excavation	
206+644.001	0.0 m
206+644.001	0.0 m
Embankment	
206+644.001	0.0 m
206+644.001	0.0 m
206+644.001	3.2 m
206+644.001	3.2 m
Length of Embankment Slope	
Left Slope	0.0 m
Right Slope	0.0 m
Length of Embankment Stage	
Left Slope	4.4 m
Right Slope	5.4 m

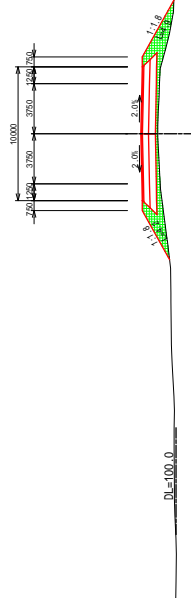
PK206+650  
 GH=101.18  
 PH=102.764



DL=100.0

PK 206+700	
Excavation	
206+694.001	0.0 m
206+694.001	0.0 m
Embankment	
206+694.001	0.0 m
206+694.001	0.0 m
206+694.001	0.2 m
206+694.001	0.2 m
206+694.001	0.2 m
Length of Embankment Slope	
Left Slope	0.0 m
Right Slope	0.0 m
Length of Embankment Stage	
Left Slope	4.2 m
Right Slope	4.3 m

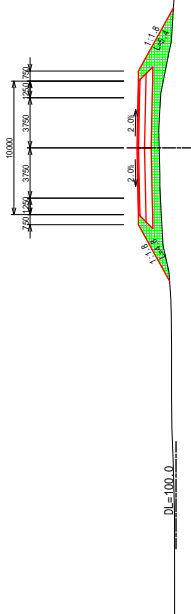
PK206+700  
 GH=101.35  
 PH=102.614



DL=100.0

PK 206+600	
Excavation	
206+594.001	0.0 m
206+594.001	0.0 m
Embankment	
206+594.001	0.0 m
206+594.001	0.0 m
206+594.001	4.0 m
206+594.001	4.0 m
206+594.001	4.0 m
Length of Embankment Slope	
Left Slope	0.0 m
Right Slope	0.0 m
Length of Embankment Stage	
Left Slope	4.8 m
Right Slope	5.4 m

PK206+600  
 GH=101.26  
 PH=102.914



DL=100.0



REPUBLIQUE DE DJIBOUTI  
 MINISTERE DE L'EQUIPEMENT ET DES TRANSPORTS  
 DIRECTION DE L'EQUIPEMENT



JAPAN INTERNATIONAL COOPERATION AGENCY  
 YACHIYO ENGINEERING CO., LTD.

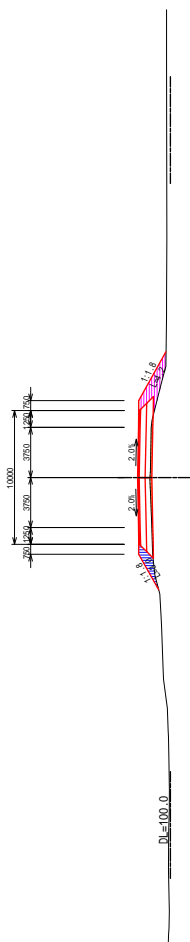
THE PREPARATORY SURVEY FOR  
 THE PROJECT FOR  
 UPGRADING OF NATIONAL ROAD ROUTE 1  
 IN THE REPUBLIC OF DJIBOUTI

SHEET CONTENTS  
 CROSS SECTION  
 PK206+600 ~ PK206+750

SCALE S=1:400  
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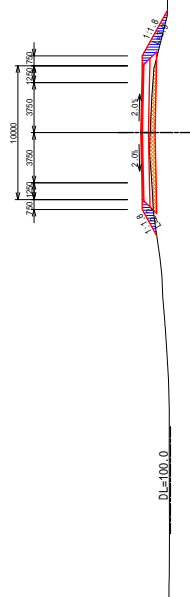
PK 206+850	
Excavation	0.0 m
206+844.500	3.5 m
206+845.500	3.4 m
Enchantment	0.0 m
206+846.500	0.0 m
206+847.500	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enchantment Slope	2.2 m
Left Slope	2.2 n
Right Slope	3.9 n

PK206+850  
GH=101.52  
PH=102.217



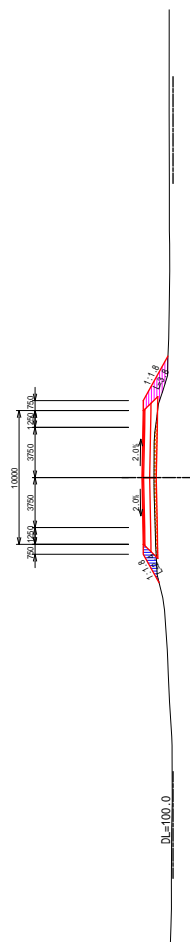
PK 206+880	
Excavation	0.0 m
206+864.500	1.1 m
206+865.500	1.5 m
Enchantment	0.0 m
206+866.500	0.0 m
206+867.500	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enchantment Slope	3.0 m
Left Slope	3.0 n
Right Slope	4.2 m

PK206+880  
GH=101.52  
PH=102.217



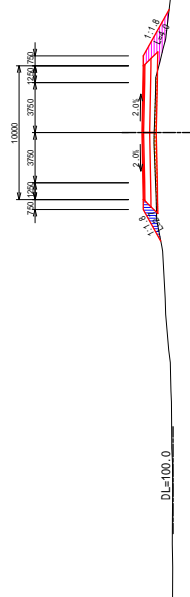
PK 206+900	
Excavation	0.0 m
206+884.500	1.8 m
206+885.500	1.2 m
Enchantment	0.0 m
206+886.500	2.7 m
206+887.500	2.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enchantment Slope	2.4 m
Left Slope	2.4 n
Right Slope	3.8 m

PK206+900  
GH=101.41  
PH=102.314



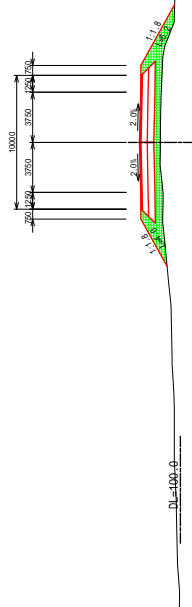
PK 206+800	
Excavation	0.0 m
206+824.500	1.5 m
206+825.500	1.3 m
Enchantment	0.0 m
206+826.500	3.0 m
206+827.500	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enchantment Slope	2.7 m
Left Slope	2.7 n
Right Slope	4.0 m

PK206+800  
GH=101.40  
PH=102.314



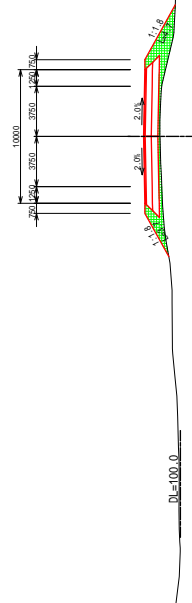
PK 207+150	
Excavation	
207+144.000	0.0 m
207+144.000	0.0 m
Enlargement	
207+144.000	0.0 m
207+144.000	0.0 m
207+144.000	0.0 m
207+144.000	0.0 m
207+144.000	0.0 m
Length of Enlargement Slope	
Left Side	0.0 m
Right Side	0.0 m
Length of Enlargement Slope	
Left Side	4.0 m
Right Side	3.2 m

PK207+150  
GH=101.50  
PH=103.064



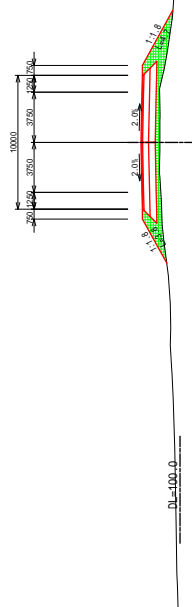
PK 207+50	
Excavation	
207+44.000	0.0 m
207+44.000	0.0 m
Enlargement	
207+44.000	0.0 m
207+44.000	0.0 m
207+44.000	0.0 m
207+44.000	0.0 m
Length of Enlargement Slope	
Left Side	0.0 m
Right Side	0.0 m
Length of Enlargement Slope	
Left Side	3.7 m
Right Side	4.7 m

PK207+50  
GH=101.53  
PH=102.764



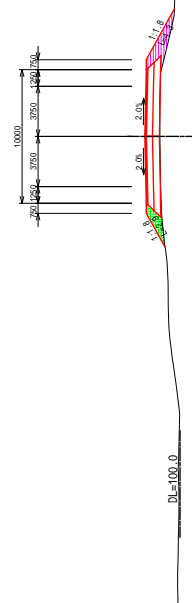
PK 207+100	
Excavation	
207+94.000	0.0 m
207+94.000	0.0 m
Enlargement	
207+94.000	0.0 m
207+94.000	0.0 m
207+94.000	0.0 m
207+94.000	0.0 m
Length of Enlargement Slope	
Left Side	0.0 m
Right Side	0.0 m
Length of Enlargement Slope	
Left Side	3.8 m
Right Side	4.7 m

PK207+100  
GH=101.50  
PH=102.914



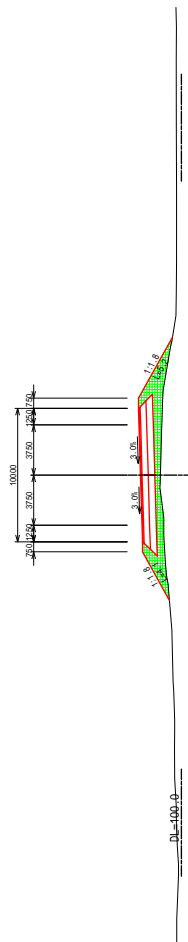
PK 207+0	
Excavation	
207+0.000	0.0 m
207+0.000	0.0 m
Enlargement	
207+0.000	0.0 m
207+0.000	0.0 m
207+0.000	0.0 m
207+0.000	0.0 m
Length of Enlargement Slope	
Left Side	0.0 m
Right Side	0.0 m
Length of Enlargement Slope	
Left Side	2.9 m
Right Side	4.3 m

PK207  
GH=101.50  
PH=102.614



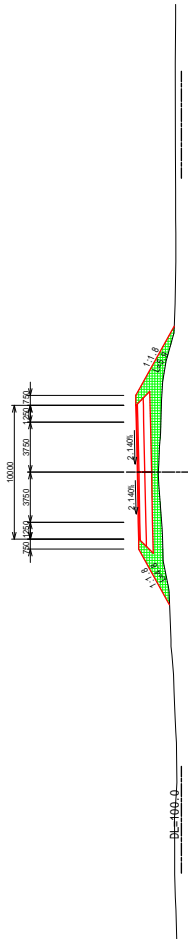
PK	207+350
Excavation	0.0 m <sup>3</sup>
Spill 0.5%	0.0 m <sup>3</sup>
Enchantment	0.0 m <sup>3</sup>
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	4.1 m
Right Side	3.2 m

PK207+350  
GH=101.58  
PH=103.064



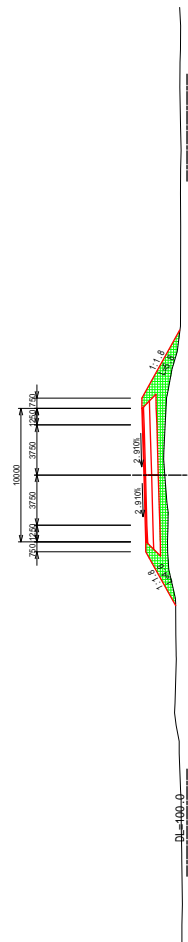
PK	207+250
Excavation	0.0 m <sup>3</sup>
Spill 0.5%	0.0 m <sup>3</sup>
Enchantment	0.0 m <sup>3</sup>
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	4.8 m
Right Side	3.9 m

PK207+250  
GH=101.72  
PH=103.311



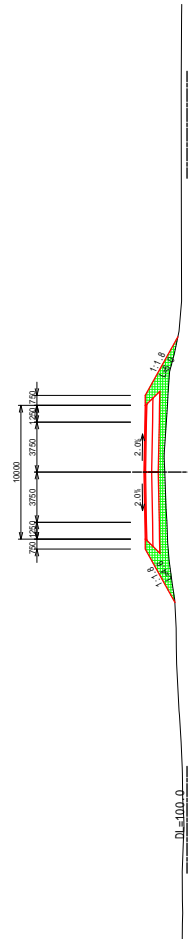
PK	207+300
Excavation	0.0 m <sup>3</sup>
Spill 0.5%	0.0 m <sup>3</sup>
Enchantment	0.0 m <sup>3</sup>
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	4.6 m
Right Side	3.8 m

PK207+300  
GH=101.65  
PH=103.214



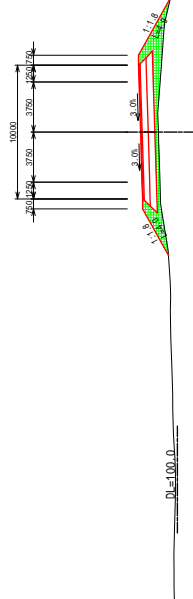
PK	207+200
Excavation	0.0 m <sup>3</sup>
Spill 0.5%	0.0 m <sup>3</sup>
Enchantment	0.0 m <sup>3</sup>
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	4.6 m
Right Side	5.0 m

PK207+200  
GH=101.66  
PH=103.214



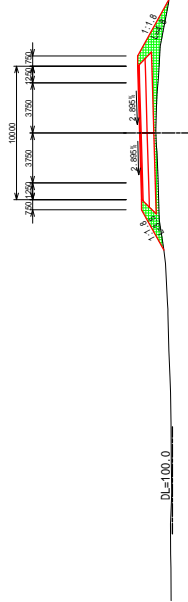
PK 207+450	
Excavation	0.0 m <sup>3</sup>
200% Sand Gravel	0.0 m <sup>3</sup>
Embankment	0.0 m <sup>3</sup>
2.5% Gravel	0.0 m <sup>3</sup>
3.0% Gravel	0.0 m <sup>3</sup>
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	4.0 m
Right Side	4.0 m

**PK207+450**  
 GH=101.43  
 PH=102.764



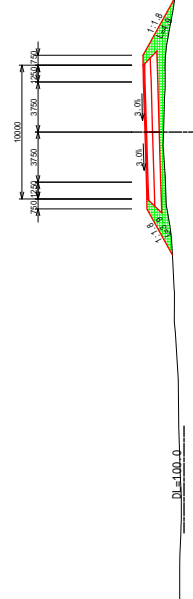
PK 207+550	
Excavation	0.0 m <sup>3</sup>
200% Sand Gravel	0.0 m <sup>3</sup>
Embankment	0.0 m <sup>3</sup>
2.5% Gravel	0.0 m <sup>3</sup>
3.0% Gravel	0.0 m <sup>3</sup>
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	3.5 m
Right Side	4.5 m

**PK207+550**  
 GH=101.24  
 PH=102.464



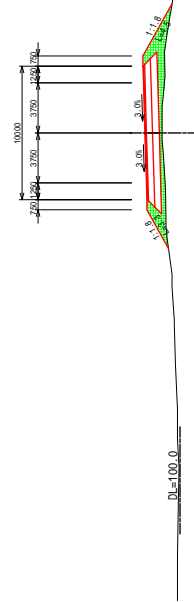
PK 207+400	
Excavation	0.0 m <sup>3</sup>
200% Sand Gravel	0.0 m <sup>3</sup>
Embankment	0.0 m <sup>3</sup>
2.5% Gravel	0.0 m <sup>3</sup>
3.0% Gravel	1.5 m <sup>3</sup>
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	3.9 m
Left Side	3.9 m
Right Side	4.9 m

**PK207+400**  
 GH=101.52  
 PH=102.914



PK 207+500	
Excavation	0.0 m <sup>3</sup>
200% Sand Gravel	0.0 m <sup>3</sup>
Embankment	0.0 m <sup>3</sup>
2.5% Gravel	0.0 m <sup>3</sup>
3.0% Gravel	2.4 m <sup>3</sup>
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	3.3 m
Left Side	3.3 m
Right Side	4.5 m

**PK207+500**  
 GH=101.33  
 PH=102.614



REPUBLIQUE DE DJIBOUTI  
 MINISTERE DE L'EQUIPEMENT ET DES TRANSPORTS  
 DIRECTION DE L'EQUIPEMENT



JAPAN INTERNATIONAL COOPERATION AGENCY  
 YACHIYO ENGINEERING CO., LTD.

THE PREPARATORY SURVEY FOR  
 THE PROJECT FOR  
 UPGRADING OF NATIONAL ROAD ROUTE 1  
 IN THE REPUBLIC OF DJIBOUTI

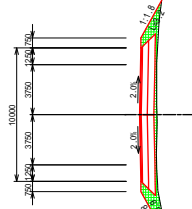
SHEET CONTENTS  
 CROSS SECTION  
 PK207+400 ~ PK207+550

SCALE S=1:400  
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PK 207+750	
Excavation	0.0 m
20% Slope Soil	0.0 m
Embankment	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	3.8 m
Right Side	3.2 m

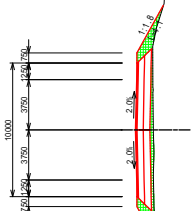
PK207+750  
GH=100.56  
PH=101.864



DL=100.0

PK 207+650	
Excavation	0.0 m
20% Slope Soil	0.0 m
Embankment	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	3.7 m
Right Side	4.1 m

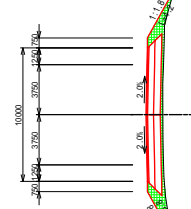
PK207+650  
GH=100.83  
PH=102.164



DL=100.0

PK 207+700	
Excavation	0.0 m
20% Slope Soil	0.0 m
Embankment	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	3.8 m
Right Side	4.2 m

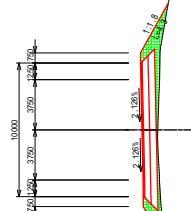
PK207+700  
GH=100.74  
PH=102.014



DL=100.0

PK 207+600	
Excavation	0.0 m
20% Slope Soil	0.0 m
Embankment	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	3.7 m
Right Side	4.3 m

PK207+600  
GH=101.13  
PH=102.314



DL=100.0



REPUBLIQUE DE DJIBOUTI  
MINISTRE DE L'EQUIPEMENT ET DES TRANSPORTS  
DIRECTION DE L'EQUIPEMENT



JAPAN INTERNATIONAL COOPERATION AGENCY  
YACHIYO ENGINEERING CO., LTD.

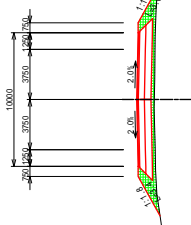
THE PREPARATORY SURVEY FOR  
THE PROJECT FOR  
UPGRADING OF NATIONAL ROAD ROUTE 1  
IN THE REPUBLIC OF DJIBOUTI

SHEET CONTENTS  
CROSS SECTION  
PK207+600 ~ PK207+750

SCALE S=1:400  
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PK	207+850
Excavation	0.0 m
Shoulder	0.0 m
Enchantment	0.0 m
Length of Enchantment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enchantment Slope	3.4 m
Right Slope	3.0 m

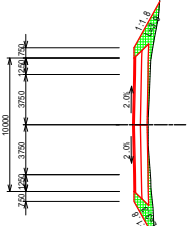
PK207+850  
GH=100.40  
PH=101.564



DL=95.0

PK	207+850
Excavation	0.0 m
Shoulder	0.0 m
Enchantment	0.0 m
Length of Enchantment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enchantment Slope	3.3 m
Right Slope	3.0 m

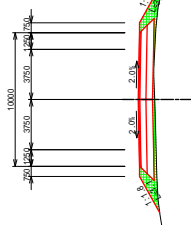
PK207+850  
GH=100.40  
PH=101.564



DL=95.0

PK	207+900
Excavation	0.0 m
Shoulder	0.0 m
Enchantment	0.0 m
Length of Enchantment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enchantment Slope	3.1 m
Right Slope	3.7 m

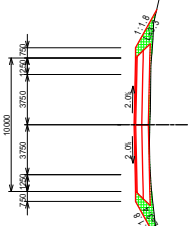
PK207+900  
GH=100.18  
PH=101.414



DL=95.0

PK	207+800
Excavation	0.0 m
Shoulder	0.0 m
Enchantment	0.0 m
Length of Enchantment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enchantment Slope	3.4 m
Right Slope	3.3 m

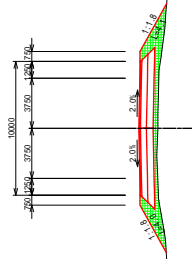
PK207+800  
GH=100.53  
PH=101.714



DL=95.0

PK	208+150	
Excavation	0.0	mf
Shoulder	0.0	mf
Enbankment	0.0	mf
Length of Excavation Slope	0.0	m
Left Side	0.0	m
Right Side	0.0	m
Length of Enbankment Slope	0.0	m
Left Side	4.0	m
Right Side	4.1	m

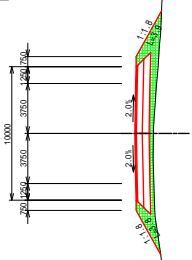
PK208+150  
GH=99.24  
PH=100.664



DL=95.0

PK	208+50	
Excavation	0.0	mf
Shoulder	0.0	mf
Enbankment	0.0	mf
Length of Excavation Slope	0.0	m
Left Side	0.0	m
Right Side	0.0	m
Length of Enbankment Slope	3.8	m
Left Side	3.8	m
Right Side	3.9	m

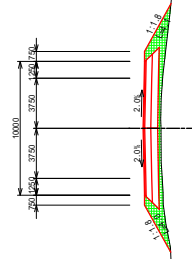
PK208+50  
GH=99.57  
PH=100.964



DL=95.0

PK	208+100	
Excavation	0.0	mf
Shoulder	0.0	mf
Enbankment	0.0	mf
Length of Excavation Slope	0.0	m
Left Side	0.0	m
Right Side	0.0	m
Length of Enbankment Slope	4.0	m
Left Side	4.0	m
Right Side	4.1	m

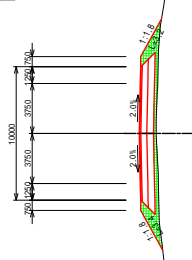
PK208+100  
GH=99.49  
PH=100.814



DL=95.0

PK	208+0	
Excavation	0.0	mf
Shoulder	0.0	mf
Enbankment	0.0	mf
Length of Excavation Slope	0.0	m
Left Side	0.0	m
Right Side	0.0	m
Length of Enbankment Slope	3.4	m
Left Side	3.4	m
Right Side	3.2	m

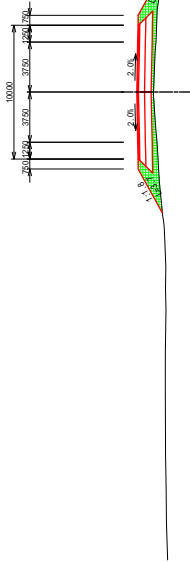
PK208  
GH=99.84  
PH=101.114



DL=95.0

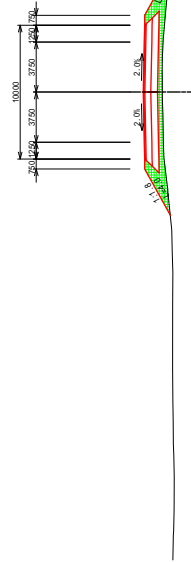
PK	208+350
Excavation	0.0 m
Shoulder Cut	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	3.7 m
Right Side	3.9 m

PK208+350  
GH=98.81  
PH=100.064



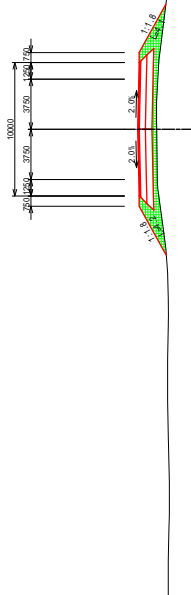
PK	208+300
Excavation	0.0 m
Shoulder Cut	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	4.0 m
Right Side	3.9 m

PK208+300  
GH=98.79  
PH=100.214



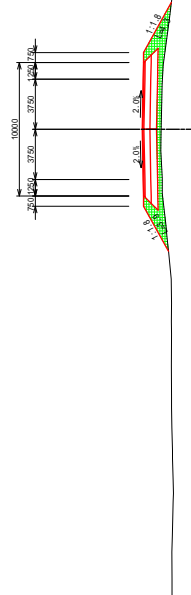
PK	208+250
Excavation	0.0 m
Shoulder Cut	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	4.2 m
Right Side	4.1 m

PK208+250  
GH=98.95  
PH=100.364



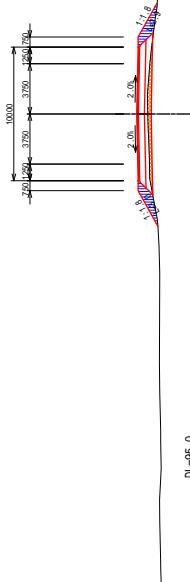
PK	208+200
Excavation	0.0 m
Shoulder Cut	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	3.9 m
Right Side	4.3 m

PK208+200  
GH=99.09  
PH=100.514



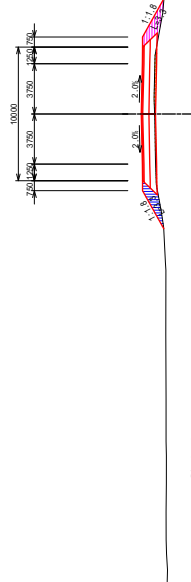
PK	208+550
Excavation	0.0 m
Shoulder Slope	2.3 m
Embankment	3.4 m
Shoulder Slope	2.3 m
Excavation	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	3.0 m
Right Slope	2.9 m

PK208+550  
GH=98.65  
PH=99.464



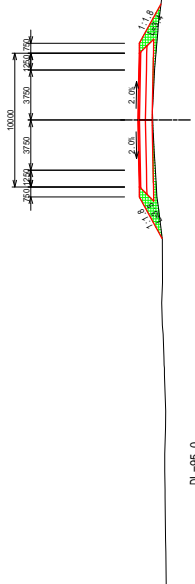
PK	208+500
Excavation	0.0 m
Shoulder Slope	1.0 m
Embankment	1.9 m
Shoulder Slope	2.1 m
Excavation	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	3.3 m
Right Slope	3.3 m

PK208+500  
GH=98.61  
PH=99.614



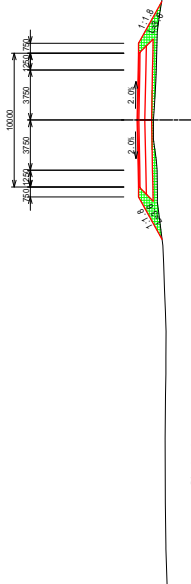
PK	208+450
Excavation	0.0 m
Shoulder Slope	0.0 m
Embankment	0.0 m
Shoulder Slope	0.0 m
Excavation	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	3.8 m
Right Slope	3.4 m

PK208+450  
GH=98.64  
PH=99.764



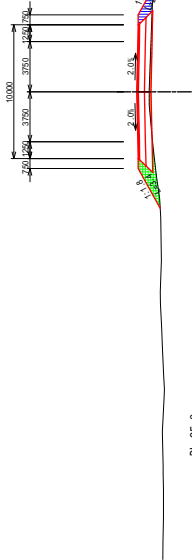
PK	208+400
Excavation	0.0 m
Shoulder Slope	0.0 m
Embankment	0.0 m
Shoulder Slope	0.0 m
Excavation	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	3.6 m
Right Slope	3.6 m

PK208+400  
GH=98.70  
PH=99.914



PK	208+750
Excavation	0.0 m
208+660.000	0.0 m
208+660.000	0.9 m
Enbankment	1.4 m
208+660.000	0.0 m
208+660.000	0.0 m
Length of Excavation Slope	2.0 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Enbankment Slope	3.8 m
Left Slope	2.8 m
Right Slope	2.8 m

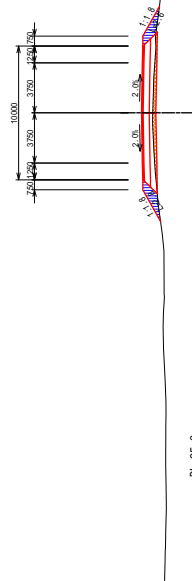
PK208+750  
GH=98.91  
PH=99.639



DL=95.0

PK	208+650
Excavation	0.0 m
208+660.000	2.0 m
208+660.000	2.9 m
Enbankment	0.0 m
208+660.000	0.0 m
Length of Excavation Slope	2.0 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Enbankment Slope	2.8 m
Left Slope	2.8 m
Right Slope	2.0 m

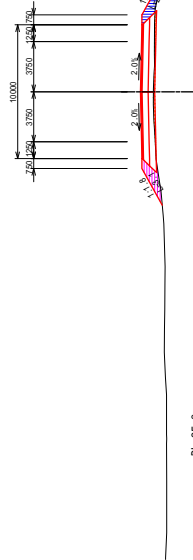
PK208+650  
GH=98.64  
PH=99.489



DL=95.0

PK	208+700
Excavation	0.0 m
208+660.000	1.0 m
208+660.000	1.5 m
Enbankment	1.9 m
208+660.000	0.0 m
208+660.000	0.0 m
Length of Excavation Slope	2.0 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Enbankment Slope	3.1 m
Left Slope	2.8 m
Right Slope	2.8 m

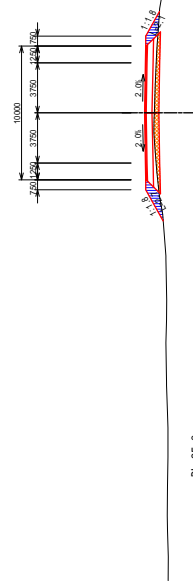
PK208+700  
GH=98.70  
PH=99.664



DL=95.0

PK	208+600
Excavation	0.0 m
208+660.000	3.4 m
208+660.000	2.5 m
Enbankment	0.0 m
208+660.000	0.0 m
Length of Excavation Slope	2.0 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Enbankment Slope	2.7 m
Left Slope	2.1 m
Right Slope	2.1 m

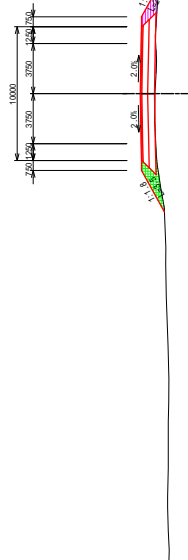
PK208+600  
GH=98.64  
PH=99.371



DL=95.0

PK	208+850
Excavation	0.0 m
Subgrade	0.0 m
Shoulder	0.1 m
Enchantment	0.0 m
Length of Excavation Slope	2.0 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Embankment Slope	3.5 m
Left Slope	3.5 m
Right Slope	2.5 m

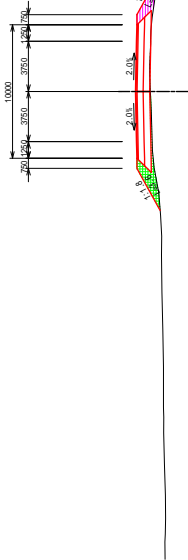
PK208+850  
G=99.08  
PH=100.189



DL=95.0

PK	208+950
Excavation	0.0 m
Subgrade	0.0 m
Shoulder	0.1 m
Enchantment	0.0 m
Length of Excavation Slope	2.0 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Embankment Slope	3.8 m
Left Slope	3.8 m
Right Slope	2.2 m

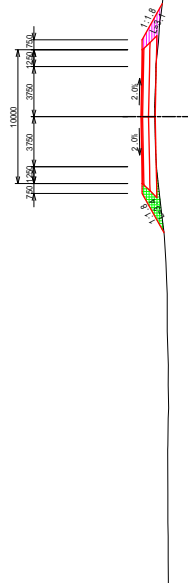
PK208+950  
G=99.41  
PH=100.539



DL=95.0

PK	208+800
Excavation	0.0 m
Subgrade	0.2 m
Shoulder	0.0 m
Enchantment	2.0 m
Length of Excavation Slope	2.5 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Embankment Slope	3.4 m
Left Slope	3.4 m
Right Slope	3.1 m

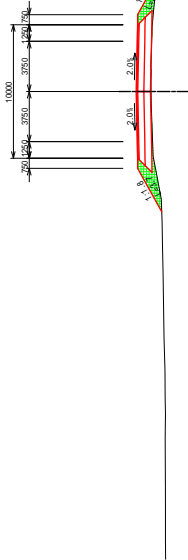
PK208+800  
G=96.97  
PH=100.014



DL=95.0

PK	208+900
Excavation	0.0 m
Subgrade	0.0 m
Shoulder	0.0 m
Enchantment	0.0 m
Length of Excavation Slope	2.5 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Embankment Slope	3.7 m
Left Slope	3.7 m
Right Slope	3.0 m

PK208+900  
G=99.25  
PH=100.364

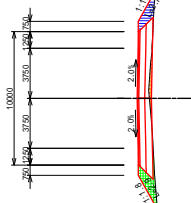


DL=95.0



PK	209+150
Excavation Len	0.0 m
Open Cut	0.7 m
Enbankment	1.6 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	2.9 m
Left Side	2.9 m
Right Side	2.7 m

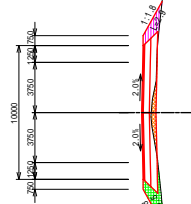
PK209+150  
GH=100.31  
PI=101.239



DL=95.0

PK	209+50
Excavation Len	0.0 m
Open Cut	1.4 m
Enbankment	0.0 m
Length of Excavation Slope	2.7 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	3.5 m
Left Side	3.5 m
Right Side	2.9 m

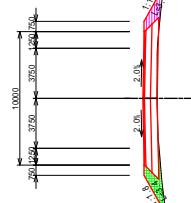
PK209+50  
GH=100.18  
PI=100.889



DL=95.0

PK	209+100
Excavation Len	0.0 m
Open Cut	0.2 m
Enbankment	1.8 m
Length of Excavation Slope	2.8 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	3.4 m
Left Side	3.4 m
Right Side	3.0 m

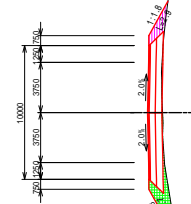
PK209+100  
GH=100.01  
PI=101.064



DL=95.0

PK	209+0
Excavation Len	0.0 m
Open Cut	0.2 m
Enbankment	1.7 m
Length of Excavation Slope	2.5 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	3.7 m
Left Side	3.7 m
Right Side	2.9 m

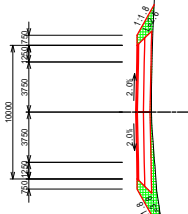
PK209  
GH=99.59  
PI=100.714



DL=95.0

PK	209+350
Excavation	0.0
Shoulder	0.0
Subgrade	0.0
Embankment	0.0
Length of Excavation Slope	0.0
Length of Embankment Slope	3.8
Left Side	2.8
Right Side	0.0

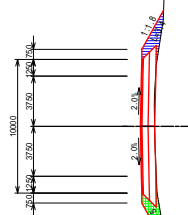
PK209+350  
GH=100.76  
PH=101.939



DL=95.0

PK	209+250
Excavation	0.0
Shoulder	0.2
Subgrade	2.3
Embankment	0.0
Length of Excavation Slope	0.0
Length of Embankment Slope	3.4
Left Side	3.4
Right Side	0.0

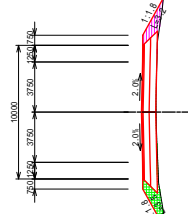
PK209+250  
GH=100.52  
PH=101.589



DL=95.0

PK	209+300
Excavation	0.0
Shoulder	0.0
Subgrade	0.0
Embankment	0.0
Length of Excavation Slope	1.9
Length of Embankment Slope	3.5
Left Side	3.5
Right Side	0.0

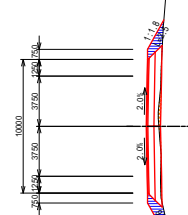
PK209+300  
GH=100.67  
PH=101.764





DL=95.0

PK	209+200
Excavation	0.0
Shoulder	0.3
Subgrade	3.6
Embankment	0.0
Length of Excavation Slope	0.0
Length of Embankment Slope	2.5
Left Side	2.5
Right Side	0.0

PK209+200  
GH=100.46  
PH=101.414

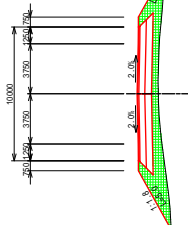


DL=95.0

	REPUBLIQUE DE DJIBOUTI MINISTERE DE L'EQUIPEMENT ET DES TRANSPORTS DIRECTION DE L'EQUIPEMENT		JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.	THE PREPARATORY SURVEY FOR THE PROJECT FOR UPGRADING OF NATIONAL ROAD ROUTE 1 IN THE REPUBLIC OF DJIBOUTI	SHEET CONTENTS CROSS SECTION PK209+200 ~ PK209+350	SCALE S=1:400	DATE NOV 2018	PAGE NO. 79 / 131

PK	209+550
Excavation	0.0
Shoulder	0.0
Subgrade	0.0
Embankment	0.0
Length of Excavation Slope	0.0
Left Slope	0.0
Right Slope	0.0
Length of Embankment Slope	5.0
Left Slope	4.7
Right Slope	4.2

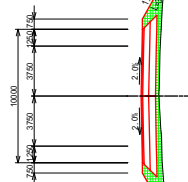
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PH=102.578



DL=95.0

PK	209+450
Excavation	0.0
Shoulder	0.0
Subgrade	0.0
Embankment	0.0
Length of Excavation Slope	0.0
Left Slope	0.0
Right Slope	0.0
Length of Embankment Slope	4.1
Left Slope	3.4
Right Slope	3.4

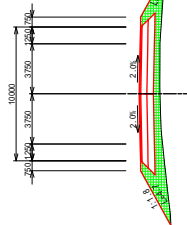
PK209+450  
GH=100.95  
PH=102.289



DL=95.0

PK	209+500
Excavation	0.0
Shoulder	0.0
Subgrade	0.0
Embankment	0.0
Length of Excavation Slope	0.0
Left Slope	0.0
Right Slope	0.0
Length of Embankment Slope	4.7
Left Slope	4.7
Right Slope	3.9

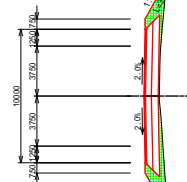
PK209+500  
GH=100.91  
PH=102.464



DL=95.0

PK	209+400
Excavation	0.0
Shoulder	0.0
Subgrade	0.0
Embankment	0.0
Length of Excavation Slope	0.0
Left Slope	0.0
Right Slope	0.0
Length of Embankment Slope	3.9
Left Slope	3.9
Right Slope	3.2

PK209+400  
GH=100.96  
PH=102.114



DL=95.0



REPUBLIQUE DE DJIBOUTI  
MINISTRE DE L'EQUIPEMENT ET DES TRANSPORTS  
DIRECTION DE L'EQUIPEMENT



JAPAN INTERNATIONAL COOPERATION AGENCY  
YACHIYO ENGINEERING CO., LTD.

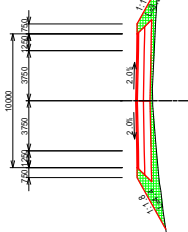
THE PREPARATORY SURVEY FOR  
THE PROJECT FOR  
UPGRADING OF NATIONAL ROAD ROUTE 1  
IN THE REPUBLIC OF DJIBOUTI

SHEET CONTENTS  
CROSS SECTION  
PK209+400 ~ PK209+550

SCALE S=1:400  
DATE NOV 2018  
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PK 209+750	
Excavation	0.0 m
Shoulder	0.0 m
Enbankment	0.0 m
Length of Enbankment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	4.4 m
Left Slope	3.2 m
Right Slope	3.2 m

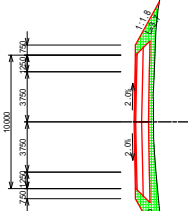
PK209+750  
GH=100.67  
PH=101.939



DL=95.0

PK 209+650	
Excavation	0.0 m
Shoulder	0.0 m
Enbankment	0.0 m
Length of Enbankment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	4.3 m
Left Slope	3.7 m
Right Slope	3.7 m

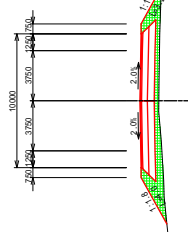
PK209+650  
GH=100.94  
PH=102.289



DL=95.0

PK 209+700	
Excavation	0.0 m
Shoulder	0.0 m
Enbankment	0.0 m
Length of Enbankment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	4.0 m
Left Slope	3.2 m
Right Slope	3.2 m

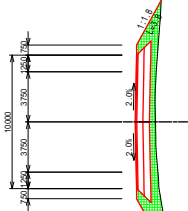
PK209+700  
GH=100.69  
PH=102.114



DL=95.0

PK 209+600	
Excavation	0.0 m
Shoulder	0.0 m
Enbankment	0.0 m
Length of Enbankment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	4.7 m
Left Slope	3.8 m
Right Slope	3.8 m

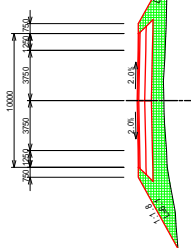
PK209+600  
GH=100.96  
PH=102.464



DL=95.0

PK	209+850
Excavation	0.0 m
20m <sup>3</sup> Excavation Cost	0.0 m <sup>3</sup>
Enchantment	0.0 m <sup>3</sup>
2.5 m <sup>3</sup> Enchantment Cost	0.0 m <sup>3</sup>
Length of Excavation Slope	2.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enchantment Slope	6.1 m
Left Slope	5.1 n
Right Slope	5.4 n

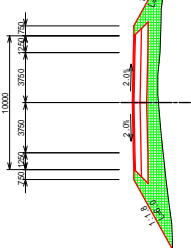
PK209+850  
GH=99.65  
PH=101.588



DL=95.0

PK	209+950
Excavation	0.0 m
20m <sup>3</sup> Excavation Cost	0.0 m <sup>3</sup>
Enchantment	0.0 m <sup>3</sup>
2.5 m <sup>3</sup> Enchantment Cost	0.0 m <sup>3</sup>
Length of Excavation Slope	2.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enchantment Slope	6.1 m
Left Slope	5.1 n
Right Slope	5.4 n

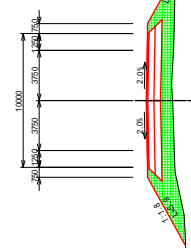
PK209+950  
GH=99.24  
PH=101.239



DL=95.0

PK	209+800
Excavation	0.0 m
20m <sup>3</sup> Excavation Cost	0.0 m <sup>3</sup>
Enchantment	0.0 m <sup>3</sup>
2.5 m <sup>3</sup> Enchantment Cost	0.0 m <sup>3</sup>
Length of Excavation Slope	2.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enchantment Slope	4.8 m
Left Slope	3.4 n
Right Slope	3.4 n

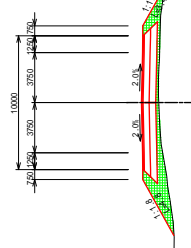
PK209+800  
GH=100.48  
PH=101.764



DL=95.0

PK	209+900
Excavation	0.0 m
20m <sup>3</sup> Excavation Cost	0.0 m <sup>3</sup>
Enchantment	0.0 m <sup>3</sup>
2.5 m <sup>3</sup> Enchantment Cost	0.0 m <sup>3</sup>
Length of Excavation Slope	2.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enchantment Slope	5.9 m
Left Slope	5.9 n
Right Slope	5.4 n

PK209+900  
GH=99.44  
PH=101.414



DL=95.0



REPUBLIQUE DE DJIBOUTI  
MINISTRE DE L'EQUIPEMENT ET DES TRANSPORTS  
DIRECTION DE L'EQUIPEMENT



JAPAN INTERNATIONAL COOPERATION AGENCY  
YACHIYO ENGINEERING CO., LTD.

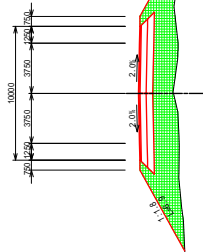
THE PREPARATORY SURVEY FOR  
THE PROJECT FOR  
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SHEET CONTENTS  
CROSS SECTION  
PK209+800 ~ PK209+950

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PK 210+50	
Excavation	0.0 m <sup>3</sup>
Spill 0.01	0.0 m <sup>3</sup>
Enchantment	0.0 m <sup>3</sup>
Spill 0.01	0.0 m <sup>3</sup>
Spill 0.01	0.0 m <sup>3</sup>
Spill 0.01	0.0 m <sup>3</sup>
Length of Excavation Slope	30.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	6.3 m
Left Side	6.3 m
Right Side	6.4 m

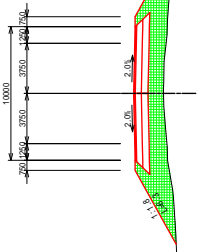
PK210+50  
GH=97.92  
PH=100.539



DL=95.0

PK 210+100	
Excavation	0.0 m <sup>3</sup>
Spill 0.01	0.0 m <sup>3</sup>
Enchantment	0.0 m <sup>3</sup>
Spill 0.01	0.0 m <sup>3</sup>
Spill 0.01	0.0 m <sup>3</sup>
Spill 0.01	0.0 m <sup>3</sup>
Length of Excavation Slope	30.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	6.3 m
Left Side	6.3 m
Right Side	6.4 m

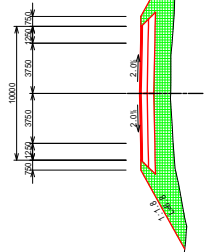
PK210+100  
GH=98.466  
PH=100.889



DL=95.0

PK 210+150	
Excavation	0.0 m <sup>3</sup>
Spill 0.01	0.0 m <sup>3</sup>
Enchantment	0.0 m <sup>3</sup>
Spill 0.01	0.0 m <sup>3</sup>
Spill 0.01	0.0 m <sup>3</sup>
Spill 0.01	0.0 m <sup>3</sup>
Length of Excavation Slope	30.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	6.8 m
Left Side	6.8 m
Right Side	6.9 m

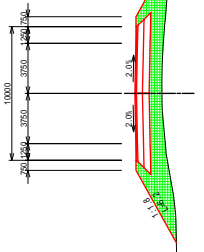
PK210+150  
GH=98.39  
PH=100.714



DL=95.0

PK 210+200	
Excavation	0.0 m <sup>3</sup>
Spill 0.01	0.0 m <sup>3</sup>
Enchantment	0.0 m <sup>3</sup>
Spill 0.01	0.0 m <sup>3</sup>
Spill 0.01	0.0 m <sup>3</sup>
Spill 0.01	0.0 m <sup>3</sup>
Length of Excavation Slope	24.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	6.2 m
Left Side	6.2 m
Right Side	5.8 m

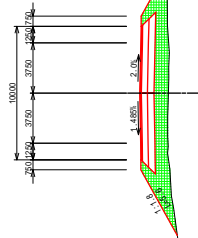
PK210  
GH=99.04  
PH=101.064



DL=95.0

PK	210+250
Excavation	0.0 m <sup>3</sup>
Spill 0.3%	0.0 m <sup>3</sup>
Enbankment	0.0 m <sup>3</sup>
Spill 0.3%	0.0 m <sup>3</sup>
Enbankment	0.0 m <sup>3</sup>
Spill 0.3%	0.0 m <sup>3</sup>
Enbankment	0.0 m <sup>3</sup>
Length of Embankment Slope	2.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	5.2 m
Right Side	4.8 m

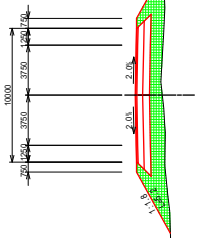
PK210+250  
GH=87.70  
PH=89.439



DL=95.0

PK	210+300
Excavation	0.0 m <sup>3</sup>
Spill 0.3%	0.0 m <sup>3</sup>
Enbankment	0.0 m <sup>3</sup>
Spill 0.3%	0.0 m <sup>3</sup>
Enbankment	0.0 m <sup>3</sup>
Spill 0.3%	0.0 m <sup>3</sup>
Enbankment	0.0 m <sup>3</sup>
Length of Embankment Slope	2.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	5.2 m
Right Side	4.8 m

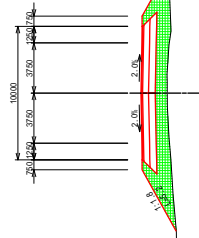
PK210+300  
GH=88.04  
PH=100.014



DL=95.0

PK	210+200
Excavation	0.0 m <sup>3</sup>
Spill 0.3%	0.0 m <sup>3</sup>
Enbankment	0.0 m <sup>3</sup>
Spill 0.3%	0.0 m <sup>3</sup>
Enbankment	0.0 m <sup>3</sup>
Spill 0.3%	0.0 m <sup>3</sup>
Enbankment	0.0 m <sup>3</sup>
Length of Embankment Slope	2.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	5.4 m
Right Side	5.2 m

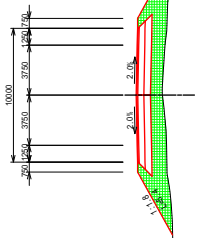
PK210+200  
GH=88.16  
PH=100.189



DL=95.0

PK	210+350
Excavation	0.0 m <sup>3</sup>
Spill 0.3%	0.0 m <sup>3</sup>
Enbankment	0.0 m <sup>3</sup>
Spill 0.3%	0.0 m <sup>3</sup>
Enbankment	0.0 m <sup>3</sup>
Spill 0.3%	0.0 m <sup>3</sup>
Enbankment	0.0 m <sup>3</sup>
Length of Embankment Slope	2.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	5.2 m
Right Side	5.0 m

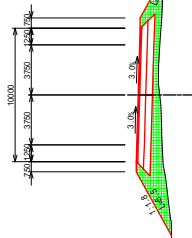
PK210+350  
GH=88.04  
PH=100.014



DL=95.0

PK 210+550	
Excavation	0.0 m <sup>3</sup>
2000/2000/2000	0.0 m <sup>3</sup>
Embankment	0.0 m <sup>3</sup>
2000/2000/2000	0.0 m <sup>3</sup>
2000/2000/2000	0.0 m <sup>3</sup>
2000/2000/2000	0.0 m <sup>3</sup>
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	5.5 m
Right Side	4.0 m

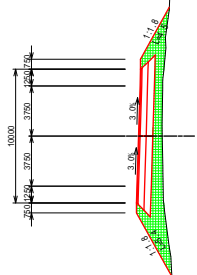
PK210+550  
GH=97.53  
PH=99.139



DL=95.0

PK 210+450	
Excavation	0.0 m <sup>3</sup>
2000/2000/2000	0.0 m <sup>3</sup>
Embankment	0.0 m <sup>3</sup>
2000/2000/2000	0.0 m <sup>3</sup>
2000/2000/2000	0.0 m <sup>3</sup>
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	5.4 m
Right Side	4.0 m

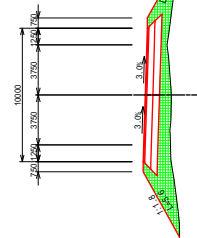
PK210+450  
GH=97.71  
PH=99.489



DL=95.0

PK 210+500	
Excavation	0.0 m <sup>3</sup>
2000/2000/2000	0.0 m <sup>3</sup>
Embankment	0.0 m <sup>3</sup>
2000/2000/2000	0.0 m <sup>3</sup>
2000/2000/2000	0.0 m <sup>3</sup>
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	5.6 m
Right Side	4.4 m

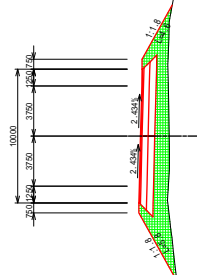
PK210+500  
GH=97.37  
PH=99.314



DL=95.0

PK 210+400	
Excavation	0.0 m <sup>3</sup>
2000/2000/2000	0.0 m <sup>3</sup>
Embankment	0.0 m <sup>3</sup>
2000/2000/2000	0.0 m <sup>3</sup>
2000/2000/2000	0.0 m <sup>3</sup>
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	5.8 m
Right Side	4.8 m

PK210+400  
GH=97.53  
PH=99.664



DL=95.0



REPUBLIQUE DE DJIBOUTI  
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JAPAN INTERNATIONAL COOPERATION AGENCY  
YACHIYO ENGINEERING CO., LTD.

THE PREPARATORY SURVEY FOR  
THE PROJECT FOR  
UPGRADING OF NATIONAL ROAD ROUTE 1  
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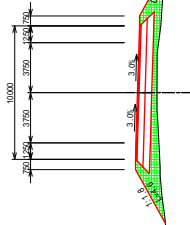
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CROSS SECTION  
PK210+400 ~ PK210+550

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PK 210+750	
Excavation	0.0 m
200g Standard Soil	0.0 m
300g Standard Soil	0.0 m
Enbankment	0.0 m
Length of Embankment Slope	12.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	4.8 m
Left Side	4.8 m
Right Side	4.0 m

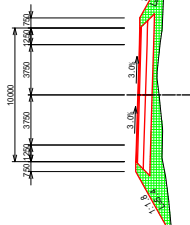
PK210+750  
GH=96.88  
PH=98.439



DL=95.0

PK 210+650	
Excavation	0.0 m
200g Standard Soil	0.0 m
300g Standard Soil	0.0 m
Enbankment	0.0 m
Length of Embankment Slope	10.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	5.4 m
Left Side	5.4 m
Right Side	3.9 m

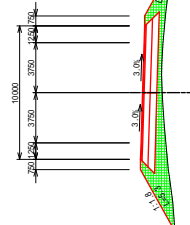
PK210+650  
GH=97.21  
PH=98.789



DL=95.0

PK 210+700	
Excavation	0.0 m
200g Standard Soil	0.0 m
300g Standard Soil	0.0 m
Enbankment	0.0 m
Length of Embankment Slope	11.3 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	5.3 m
Left Side	5.3 m
Right Side	4.1 m

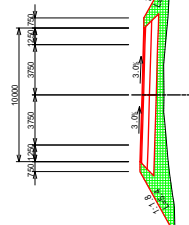
PK210+700  
GH=97.15  
PH=98.614



DL=95.0

PK 210+600	
Excavation	0.0 m
200g Standard Soil	0.0 m
300g Standard Soil	0.0 m
Enbankment	0.0 m
Length of Embankment Slope	7.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	5.4 m
Left Side	5.4 m
Right Side	3.7 m

PK210+600  
GH=97.31  
PH=98.964



DL=95.0



REPUBLIQUE DE DJIBOUTI  
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DIRECTION DE L'EQUIPEMENT



JAPAN INTERNATIONAL COOPERATION AGENCY  
YACHIYO ENGINEERING CO., LTD.

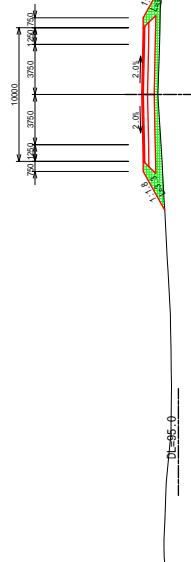
THE PREPARATORY SURVEY FOR  
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UPGRADING OF NATIONAL ROAD ROUTE 1  
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SHEET CONTENTS  
CROSS SECTION  
PK210+600 ~ PK210+750

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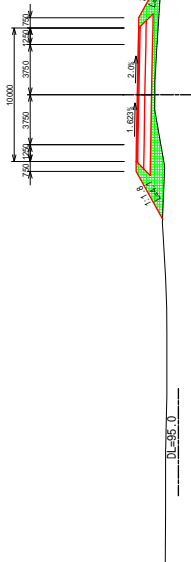
PK 210+850	
Enlargement	0.0 m
Shoulder	0.0 m
Enlargement	0.0 m
Enlargement	0.0 m
Enlargement	0.0 m
Enlargement	0.0 m
Length of Enlargement Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enlargement Slope	0.0 m
Left Slope	3.3 n
Right Slope	3.0 n

PK210+850  
 CH=66.55  
 PH=67.79



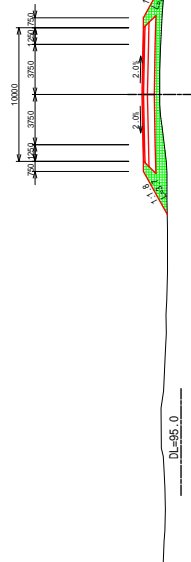
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Enlargement	0.0 m
Shoulder	0.0 m
Enlargement	0.0 m
Enlargement	0.0 m
Enlargement	0.0 m
Enlargement	0.0 m
Length of Enlargement Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enlargement Slope	0.0 m
Left Slope	4.1 n
Right Slope	3.8 n

PK210+850  
 CH=66.77  
 PH=68.089



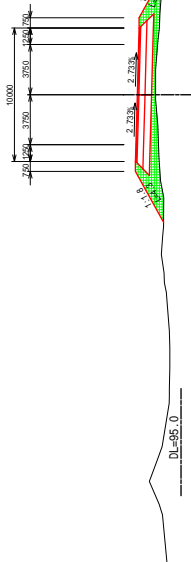
PK 210+900	
Enlargement	0.0 m
Shoulder	0.0 m
Enlargement	0.0 m
Enlargement	0.0 m
Enlargement	0.0 m
Enlargement	0.0 m
Length of Enlargement Slope	1.2 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enlargement Slope	3.7 m
Left Slope	3.7 n
Right Slope	3.4 n

PK210+900  
 CH=66.59  
 PH=67.914



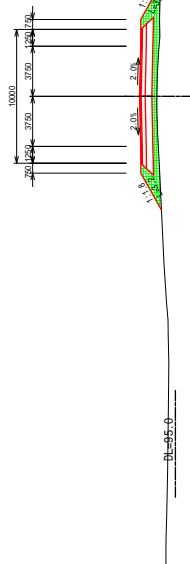
PK 210+800	
Enlargement	0.0 m
Shoulder	0.0 m
Enlargement	0.0 m
Enlargement	0.0 m
Enlargement	0.0 m
Enlargement	0.0 m
Length of Enlargement Slope	1.7 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enlargement Slope	4.3 m
Left Slope	4.3 n
Right Slope	3.7 n

PK210+800  
 CH=66.89  
 PH=68.264



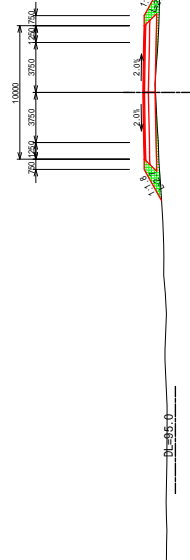
PK 211+50	
Item	Value
Elevation	0.0 m
Span	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	3.2 m
Left Side	2.7 m
Right Side	3.0 m

PK211+50  
G=98.38  
PI=97.689



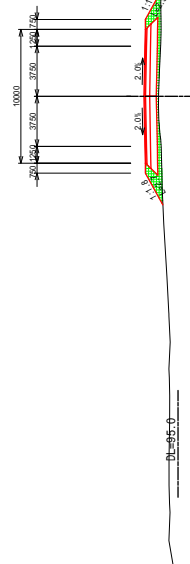
PK 211+50	
Item	Value
Elevation	0.0 m
Span	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	2.7 m
Left Side	2.7 m
Right Side	2.0 m

PK211+50  
G=96.49  
PI=97.446



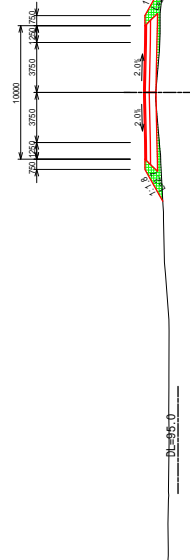
PK 211+100	
Item	Value
Elevation	0.0 m
Span	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	2.7 m
Left Side	2.7 m
Right Side	2.5 m

PK211+100  
G=96.44  
PI=97.539



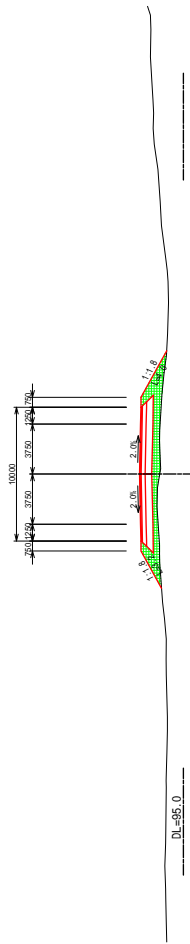
PK 211+0	
Item	Value
Elevation	0.0 m
Span	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	2.7 m
Left Side	2.7 m
Right Side	2.9 m

PK211  
G=96.65  
PI=97.564



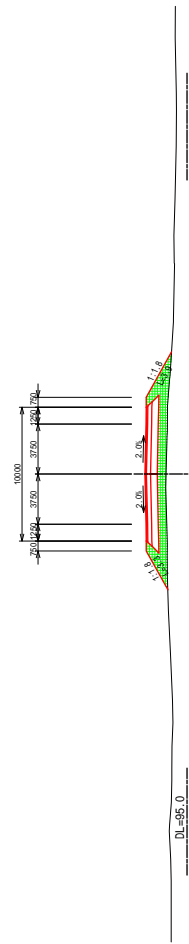
PK	211+350
Excavation	0.0 m
Spill Slope	0.0 m
Embankment	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	3.2 m
Left Side	3.2 m
Right Side	4.0 m

PK211+350  
GH=96.77  
PH=98.289



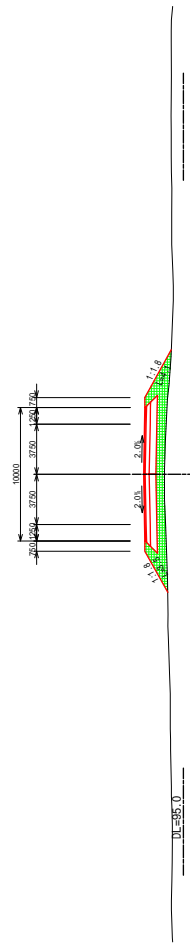
PK	211+300
Excavation	0.0 m
Spill Slope	0.0 m
Embankment	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	3.3 m
Left Side	3.3 m
Right Side	3.9 m

PK211+300  
GH=96.56  
PH=98.139



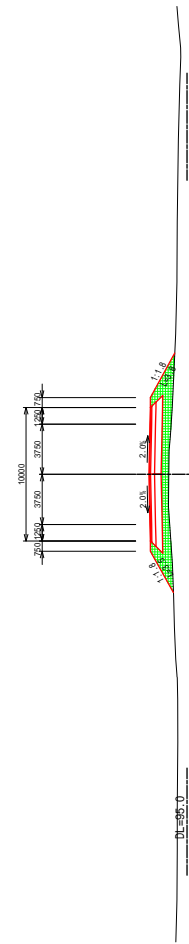
PK	211+250
Excavation	0.0 m
Spill Slope	0.0 m
Embankment	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	3.5 m
Left Side	3.5 m
Right Side	4.1 m

PK211+250  
GH=96.43  
PH=97.989



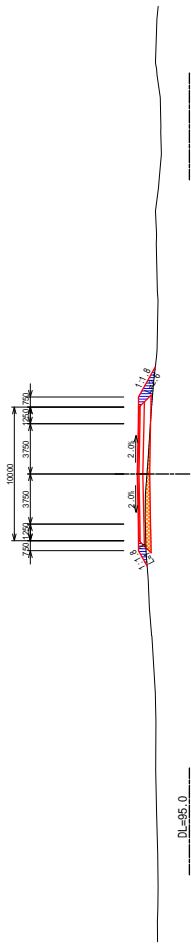
PK	211+200
Excavation	0.0 m
Spill Slope	0.0 m
Embankment	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	3.5 m
Left Side	3.5 m
Right Side	3.8 m

PK211+200  
GH=96.36  
PH=97.839



PK	211+550
Excavation	0.0 m
Shoulder Coat	2.4 m
Embankment	2.1 m
Shoulder Coat	0.0 m
Embankment	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Embankment Slope	1.3 m
Left Slope	1.3 n
Right Slope	2.8 m

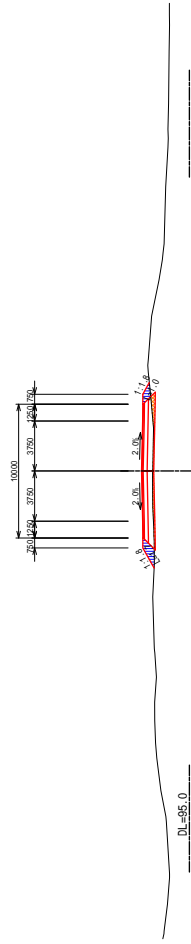
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 GH=98.18  
 PH=98.905



DL=95.0

PK	211+450
Excavation	0.0 m
Shoulder Coat	1.4 m
Embankment	1.5 m
Shoulder Coat	0.0 m
Embankment	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Embankment Slope	1.7 m
Left Slope	1.7 n
Right Slope	1.0 m

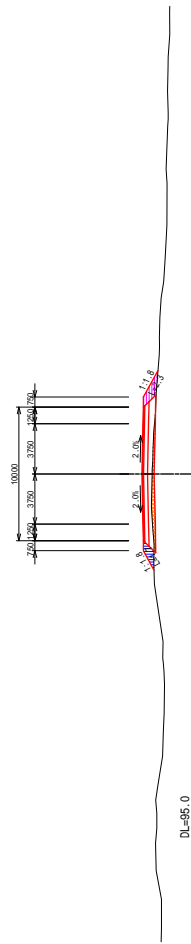
PK211+450  
 GH=97.75  
 PH=98.589



DL=95.0

PK	211+500
Excavation	0.0 m
Shoulder Coat	1.6 m
Embankment	0.9 m
Shoulder Coat	1.3 m
Embankment	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Embankment Slope	1.7 m
Left Slope	1.7 n
Right Slope	2.3 m

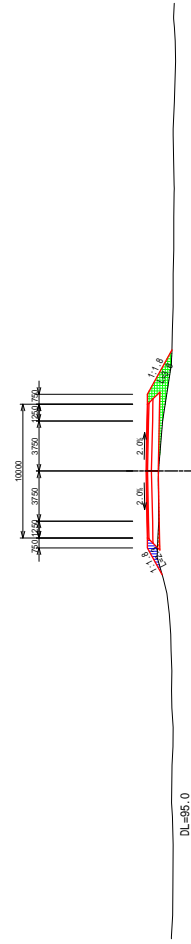
PK211+500  
 GH=97.98  
 PH=98.739



DL=95.0

PK	211+400
Excavation	0.0 m
Shoulder Coat	0.3 m
Embankment	0.9 m
Shoulder Coat	0.0 m
Embankment	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Embankment Slope	2.3 m
Left Slope	2.3 n
Right Slope	3.8 m

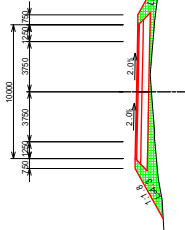
PK211+400  
 GH=97.49  
 PH=98.439



DL=95.0

PK	211+750
Excavation	0.0 m
2000/3446/504	0.0 m
3888/536	0.0 m
Enbankment	0.0 m
2000/3446/504	0.0 m
3888/536	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	4.3 m
Left Slope	4.0 n
Right Slope	3.8 n

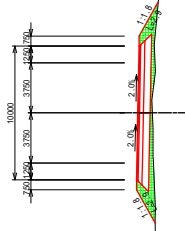
PK211+750  
GH=100.17  
PH=101.289



DL=95.0

PK	211+650
Excavation	0.0 m
2000/3446/504	0.0 m
3888/536	0.0 m
Enbankment	0.0 m
2000/3446/504	0.0 m
3888/536	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	2.9 m
Left Slope	2.9 n
Right Slope	2.9 n

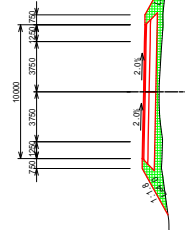
PK211+650  
GH=98.90  
PH=99.989



DL=95.0

PK	211+700
Excavation	0.0 m
2000/3446/504	0.0 m
3888/536	0.0 m
Enbankment	0.0 m
2000/3446/504	0.0 m
3888/536	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	4.0 m
Left Slope	4.0 n
Right Slope	3.8 n

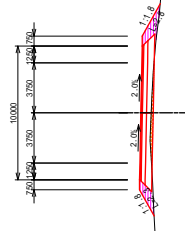
PK211+700  
GH=99.47  
PH=100.639



DL=95.0

PK	211+600
Excavation	0.0 m
2000/3446/504	0.9 m
3888/536	0.0 m
Enbankment	0.0 m
2000/3446/504	0.0 m
3888/536	0.0 m
Length of Excavation Slope	3.0 m
Left Slope	3.0 n
Right Slope	0.0 n
Length of Enbankment Slope	2.3 m
Left Slope	2.3 n
Right Slope	2.3 n

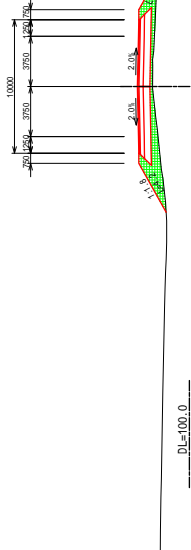
PK211+600  
GH=98.57  
PH=99.341



DL=95.0

PK 211+850	
Excavation	0.0 m
Shoulder	0.0 m
Enlargement	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enlargement Slope	4.3 m
Left Slope	4.3 n
Right Slope	4.4 n

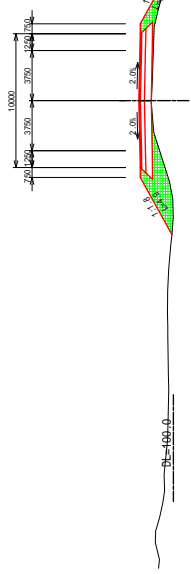
PK211+850  
GH=102.65  
PH=102.589



DL=100.0

PK 211+850	
Excavation	0.0 m
Shoulder	0.0 m
Enlargement	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enlargement Slope	4.3 m
Left Slope	4.3 n
Right Slope	4.4 n

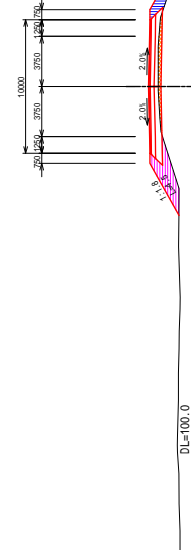
PK211+850  
GH=102.65  
PH=102.589



DL=100.0

PK 211+900	
Excavation	0.0 m
Shoulder	1.6 m
Enlargement	2.5 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enlargement Slope	4.5 m
Left Slope	4.5 n
Right Slope	4.8 n

PK211+900  
GH=102.52  
PH=103.239



DL=100.0

PK 211+800	
Excavation	0.0 m
Shoulder	0.0 m
Enlargement	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enlargement Slope	6.1 m
Left Slope	6.1 n
Right Slope	3.4 n

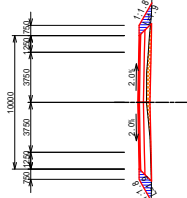
PK211+800  
GH=100.69  
PH=101.939



DL=100.0

PK 212+150	
Excavation	0.0 m
Open Cut	1.9 m
Enbankment	2.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	1.9 m
Left Side	1.9 m
Right Side	1.9 m

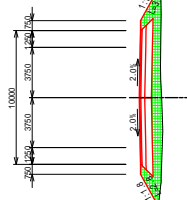
PK212+150  
 GH=105.84  
 PH=106.489



DL=100.0

PK 212+50	
Excavation	0.0 m
Open Cut	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	12.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	2.8 m
Left Side	2.8 m
Right Side	3.0 m

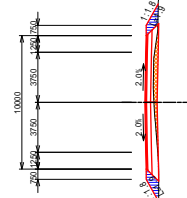
PK212+50  
 GH=103.51  
 PH=105.189



DL=100.0

PK 212+100	
Excavation	0.0 m
Open Cut	2.0 m
Enbankment	2.1 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	1.9 m
Left Side	1.9 m
Right Side	1.9 m

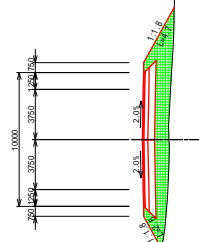
PK212+100  
 GH=105.16  
 PH=105.839



DL=100.0

PK 212+0	
Excavation	0.0 m
Open Cut	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	19.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	2.6 m
Left Side	2.6 m
Right Side	4.7 m

PK212  
 GH=102.53  
 PH=104.539

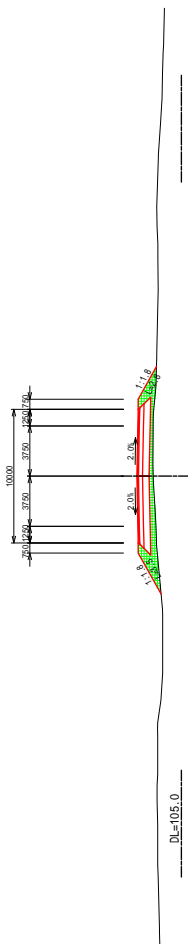


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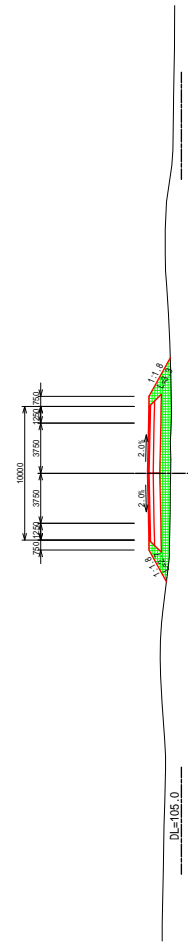
PK 212+250	
Elevation	
Subgrade	0.0 m
Shoulder	0.0 m
Embankment	0.0 m
Subgrade	0.0 m
Shoulder	0.0 m
Embankment	0.0 m
Subgrade	0.0 m
Shoulder	0.0 m
Embankment	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	3.3 m
Right Side	2.8 m

PK212+250  
GH=105.81  
PH=107.539



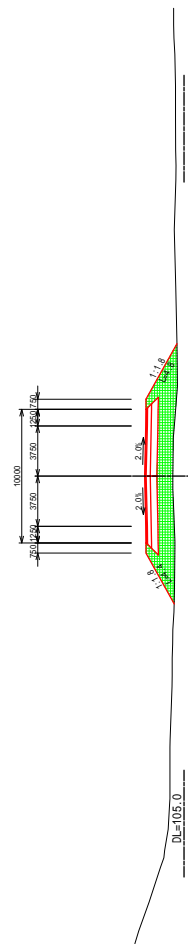
PK 212+250	
Elevation	
Subgrade	0.0 m
Shoulder	0.0 m
Embankment	0.0 m
Subgrade	0.0 m
Shoulder	0.0 m
Embankment	0.0 m
Subgrade	0.0 m
Shoulder	0.0 m
Embankment	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	2.7 m
Right Side	3.3 m

PK212+250  
GH=105.81  
PH=107.539



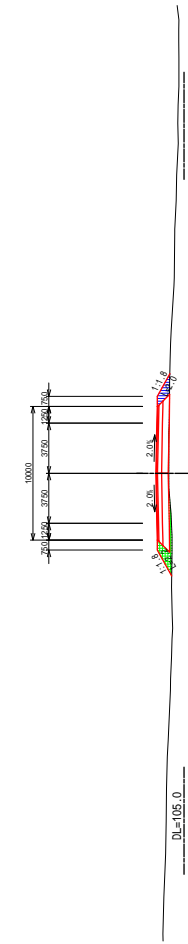
PK 212+300	
Elevation	
Subgrade	0.0 m
Shoulder	0.0 m
Embankment	0.0 m
Subgrade	0.0 m
Shoulder	0.0 m
Embankment	0.0 m
Subgrade	0.0 m
Shoulder	0.0 m
Embankment	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	4.4 m
Right Side	4.8 m

PK212+300  
GH=105.82  
PH=107.839



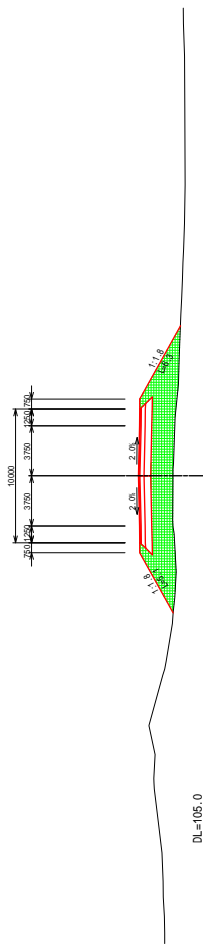
PK 212+200	
Elevation	
Subgrade	0.0 m
Shoulder	0.0 m
Embankment	0.0 m
Subgrade	0.0 m
Shoulder	0.0 m
Embankment	0.0 m
Subgrade	0.0 m
Shoulder	0.0 m
Embankment	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	2.2 m
Right Side	2.0 m

PK212+200  
GH=106.13  
PH=107.085



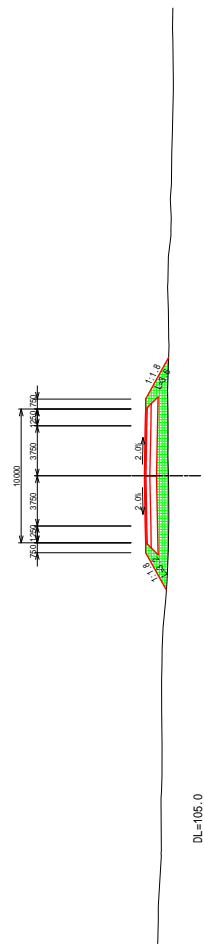
PK 212+550	
Excavation	
2000-2040	0.0 m
2040-2080	0.0 m
Embankment	
0-200	0.0 m
200-300	0.0 m
300-400	0.0 m
400-500	0.0 m
500-600	0.0 m
600-700	0.0 m
700-800	0.0 m
800-900	0.0 m
900-1000	0.0 m
Length of Embankment Slope	
Left Side	0.0 n
Right Side	0.0 n
Length of Embankment Slope	
Left Side	5.1 n
Right Side	6.3 n

PK212+550  
GH=107.85  
PH=109.839



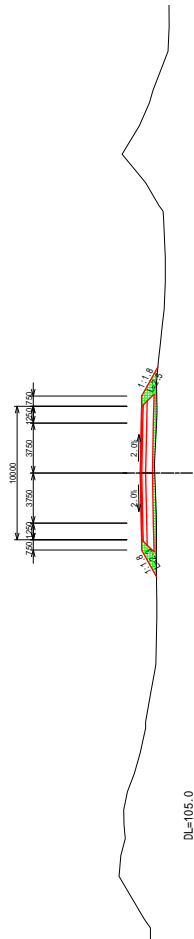
PK 212+500	
Excavation	
2000-2040	0.0 m
2040-2080	0.0 m
Embankment	
0-200	0.0 m
200-300	0.0 m
300-400	0.0 m
400-500	0.0 m
500-600	0.0 m
600-700	0.0 m
700-800	0.0 m
800-900	0.0 m
900-1000	0.0 m
Length of Embankment Slope	
Left Side	3.2 n
Right Side	3.6 n

PK212+500  
GH=107.73  
PH=109.539



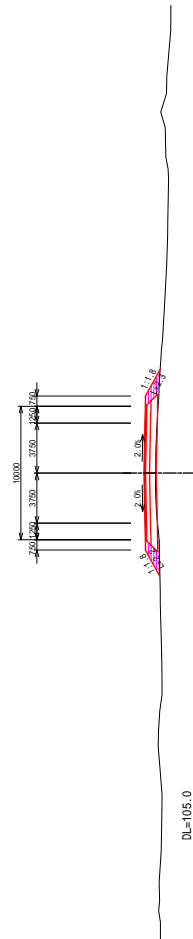
PK 212+450	
Excavation	
2000-2040	0.0 m
2040-2080	0.0 m
Embankment	
0-200	0.0 m
200-300	0.0 m
300-400	0.0 m
400-500	0.0 m
500-600	0.0 m
600-700	0.0 m
700-800	0.0 m
800-900	0.0 m
900-1000	0.0 m
Length of Embankment Slope	
Left Side	0.0 n
Right Side	0.0 n
Length of Embankment Slope	
Left Side	2.3 n
Right Side	2.8 n

PK212+450  
GH=108.04  
PH=109.139



PK 212+400	
Excavation	
2000-2040	0.0 m
2040-2080	0.4 m
Embankment	
0-200	0.0 m
200-300	2.8 m
300-400	0.0 m
400-500	0.0 m
500-600	0.0 m
600-700	0.0 m
700-800	0.0 m
800-900	0.0 m
900-1000	0.0 m
Length of Embankment Slope	
Left Side	2.2 n
Right Side	2.3 n

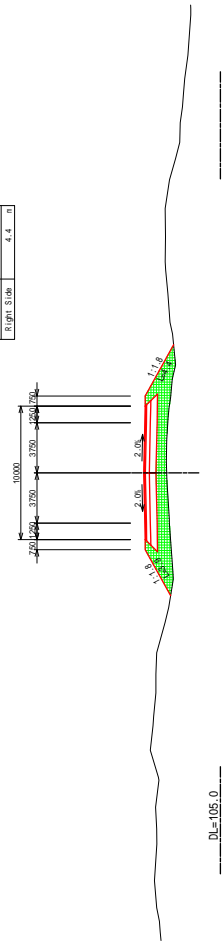
PK212+400  
GH=107.87  
PH=108.739



	REPUBLIQUE DE DJIBOUTI MINISTRE DE L'EQUIPEMENT ET DES TRANSPORTS DIRECTION DE L'EQUIPEMENT	 	JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.	THE PREPARATORY SURVEY FOR THE PROJECT FOR UPGRADING OF NATIONAL ROAD ROUTE 1 IN THE REPUBLIC OF DJIBOUTI	SHEET CONTENTS CROSS SECTION PK212+400 ~ PK212+550	SCALE DATE PAGE NO.	S=1:400 NOV 2018 95 / 131

PK	212+650
Excavation	0.0 m
Shoulder	0.0 m
Enchantment	0.0 m
Length of Enchantment Slope	16.1 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enchantment Slope	3.9 m
Left Slope	4.4 n
Right Slope	4.4 n

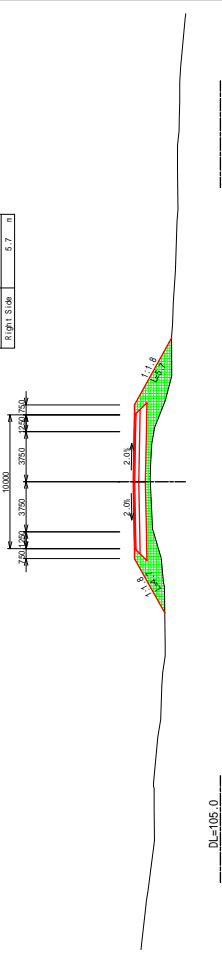
PK212+650  
 GH=109.03  
 PH=110.739



DL=105.0

PK	212+750
Excavation	0.0 m
Shoulder	0.0 m
Enchantment	0.0 m
Length of Enchantment Slope	17.2 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enchantment Slope	4.7 m
Left Slope	6.7 n
Right Slope	6.7 n

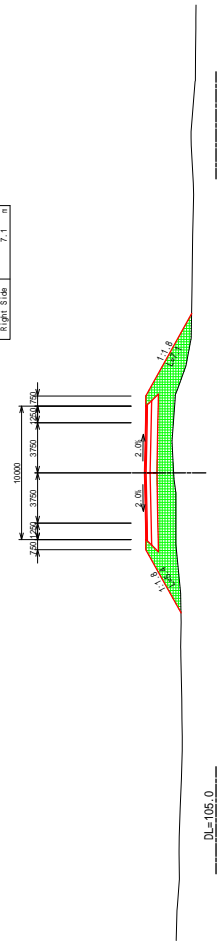
PK212+750  
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 PH=111.539



DL=105.0

PK	212+600
Excavation	0.0 m
Shoulder	0.0 m
Enchantment	0.0 m
Length of Enchantment Slope	28.1 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enchantment Slope	5.4 m
Left Slope	7.1 n
Right Slope	7.1 n

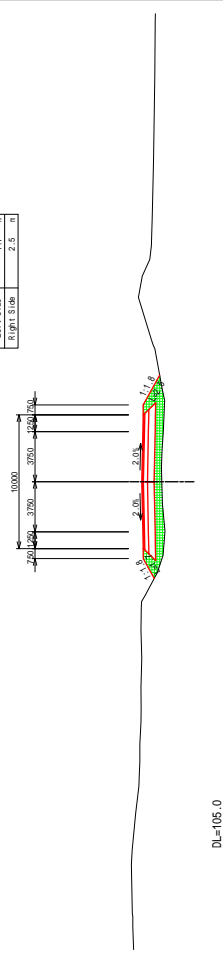
PK212+600  
 GH=108.16  
 PH=110.339



DL=105.0

PK	212+700
Excavation	0.0 m
Shoulder	0.0 m
Enchantment	0.0 m
Length of Enchantment Slope	17.8 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enchantment Slope	1.7 m
Left Slope	1.7 n
Right Slope	2.5 n

PK212+700  
 GH=109.64  
 PH=111.139



DL=105.0



REPUBLIQUE DE DJIBOUTI  
 MINISTERE DE L'EQUIPEMENT ET DES TRANSPORTS  
 DIRECTION DE L'EQUIPEMENT



JAPAN INTERNATIONAL COOPERATION AGENCY  
 YACHIYO ENGINEERING CO., LTD.

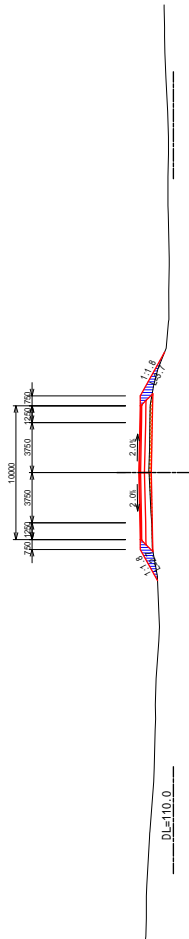
THE PREPARATORY SURVEY FOR  
 THE PROJECT FOR  
 UPGRADING OF NATIONAL ROAD ROUTE 1  
 IN THE REPUBLIC OF DJIBOUTI

SHEET CONTENTS  
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 PK212+600 ~ PK212+750

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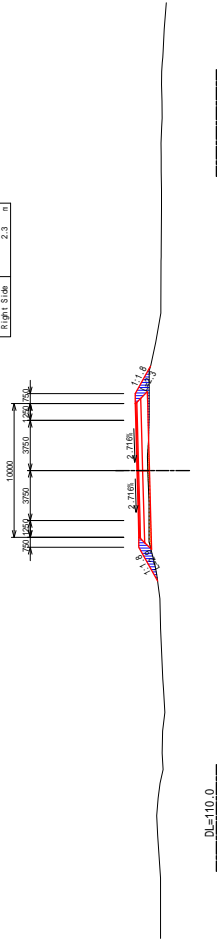
PK 212+850	
Excavation	0.0 m
2002/2004 Cost	1.5 m
Enchantment	2.0 m
2002/2004 Cost	0.0 m
Enchantment	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enchantment Slope	2.7 m
Left Slope	3.7 n
Right Slope	3.7 n

PK212+850  
Gh=111.84  
Ph=112.584



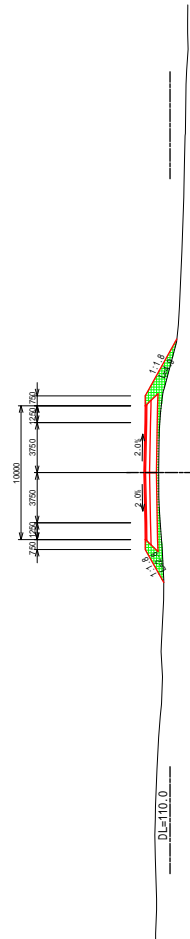
PK 212+950	
Excavation	0.0 m
2002/2004 Cost	0.9 m
Enchantment	3.1 m
2002/2004 Cost	0.0 m
Enchantment	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enchantment Slope	2.9 m
Left Slope	2.9 n
Right Slope	2.9 n

PK212+950  
Gh=115.14  
Ph=115.939



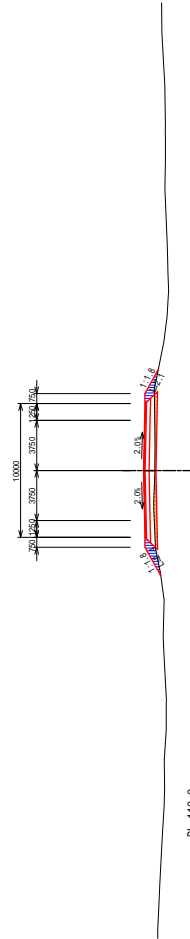
PK 212+800	
Excavation	0.0 m
2002/2004 Cost	0.0 m
Enchantment	0.0 m
2002/2004 Cost	0.0 m
Enchantment	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enchantment Slope	2.8 m
Left Slope	4.9 n
Right Slope	4.9 n

PK212+800  
Gh=110.83  
Ph=111.938



PK 212+900	
Excavation	0.0 m
2002/2004 Cost	1.8 m
Enchantment	2.0 m
2002/2004 Cost	0.0 m
Enchantment	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enchantment Slope	2.4 m
Left Slope	2.4 n
Right Slope	2.1 n

PK212+900  
Gh=113.30  
Ph=114.139



REPUBLIQUE DE DJIBOUTI  
MINISTRE DE L'EQUIPEMENT ET DES TRANSPORTS  
DIRECTION DE L'EQUIPEMENT



JAPAN INTERNATIONAL COOPERATION AGENCY  
YACHIYO ENGINEERING CO., LTD.

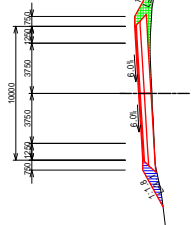
THE PREPARATORY SURVEY FOR  
THE PROJECT FOR  
UPGRADING OF NATIONAL ROAD ROUTE 1  
IN THE REPUBLIC OF DJIBOUTI

SHEET CONTENTS  
CROSS SECTION  
PK212+800 ~ PK212+950

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PK	213+150
Excavation	0.0 m
Spill 0.5	0.0 m
Enchantment	1.8 m
Spill 1.5	0.0 m
Spill 2.0	0.0 m
Length of Enchantment Slope	0.0 m
Left Side	0.0 n
Right Side	0.0 n
Length of Enchantment Slope	3.1 m
Left Side	3.4 m
Right Side	3.4 m

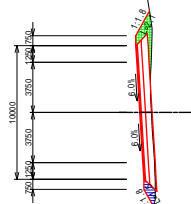
PK213+150  
 GH=122.15  
 PH=123.139



DL=115.0

PK	213+50
Excavation	0.0 m
Spill 0.5	0.5 m
Enchantment	0.9 m
Spill 1.5	0.0 m
Spill 2.0	0.0 m
Length of Enchantment Slope	0.0 m
Left Side	0.0 n
Right Side	0.0 n
Length of Enchantment Slope	1.5 m
Left Side	2.1 m
Right Side	2.1 m

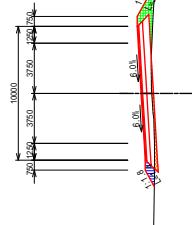
PK213+50  
 GH=118.68  
 PH=119.539



DL=115.0

PK	213+100
Excavation	0.0 m
Spill 0.5	1.1 m
Enchantment	0.7 m
Spill 1.5	0.0 m
Spill 2.0	2.3 m
Length of Enchantment Slope	0.0 m
Left Side	0.0 n
Right Side	0.0 n
Length of Enchantment Slope	1.4 m
Left Side	3.1 m
Right Side	3.1 m

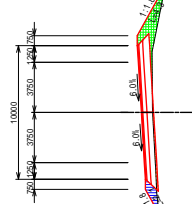
PK213+100  
 GH=120.66  
 PH=121.339



DL=115.0

PK	213+0
Excavation	0.0 m
Spill 0.5	0.8 m
Enchantment	1.1 m
Spill 1.5	0.0 m
Spill 2.0	3.8 m
Length of Enchantment Slope	0.0 m
Left Side	0.0 n
Right Side	0.0 n
Length of Enchantment Slope	2.1 m
Left Side	4.3 m
Right Side	4.3 m

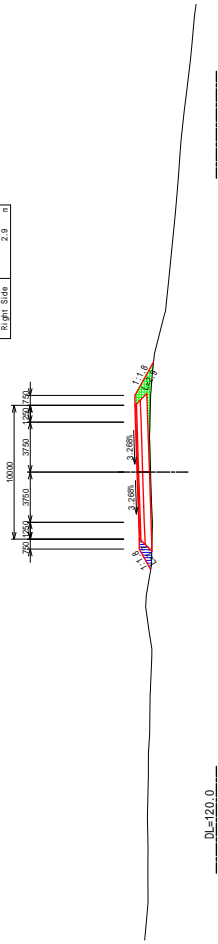
PK213  
 GH=118.99  
 PH=117.739



DL=115.0

PK 213+250		
Excavation	0.0	mf
Spill 0.0	0.0	mf
Enbankment	1.0	mf
Grass 0.0	0.0	mf
Length of Enbankment Slope	0.0	n
Left Side	0.0	n
Right Side	0.0	n
Length of Enbankment Slope	1.7	n
Left Side	1.7	n
Right Side	2.8	n

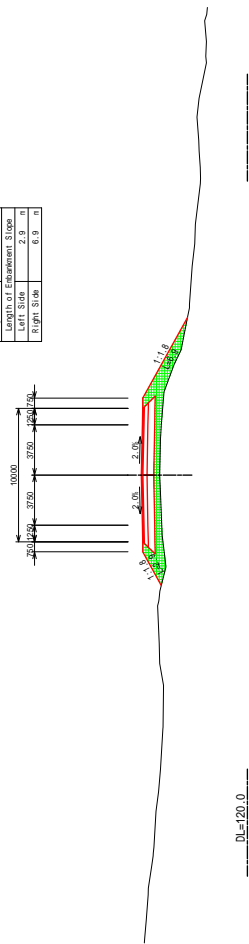
PK213+250  
GH=124.93  
PH=125.939



DL=120.0

PK 213+350		
Excavation	0.0	mf
Spill 0.0	0.0	mf
Enbankment	0.0	mf
Grass 0.0	0.0	mf
Length of Enbankment Slope	0.0	n
Left Side	0.0	n
Right Side	0.0	n
Length of Enbankment Slope	2.8	n
Left Side	2.8	n
Right Side	5.7	n

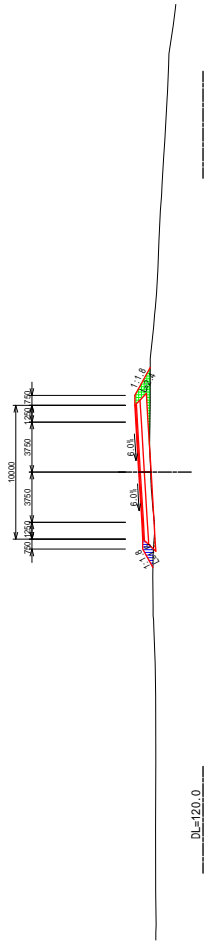
PK213+350  
GH=126.57  
PH=127.939



DL=120.0

PK 213+200		
Excavation	0.0	mf
Spill 0.0	0.2	mf
Enbankment	0.9	mf
Grass 0.0	0.0	mf
Length of Enbankment Slope	2.0	n
Left Side	0.0	n
Right Side	0.0	n
Length of Enbankment Slope	1.6	n
Left Side	1.6	n
Right Side	2.8	n

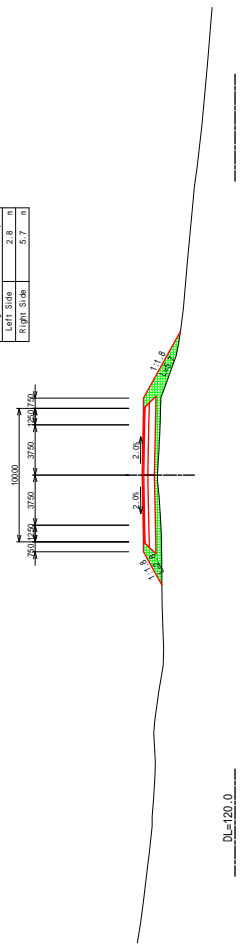
PK213+200  
GH=123.91  
PH=124.799



DL=120.0

PK 213+300		
Excavation	0.0	mf
Spill 0.0	0.0	mf
Enbankment	0.0	mf
Grass 0.0	0.0	mf
Length of Enbankment Slope	0.0	n
Left Side	0.0	n
Right Side	0.0	n
Length of Enbankment Slope	2.8	n
Left Side	2.8	n
Right Side	5.7	n

PK213+300  
GH=125.79  
PH=126.939



DL=120.0



REPUBLIQUE DE DJIBOUTI  
MINISTRE DE L'EQUIPEMENT ET DES TRANSPORTS  
DIRECTION DE L'EQUIPEMENT

JAPAN INTERNATIONAL COOPERATION AGENCY  
YACHIYO ENGINEERING CO., LTD.

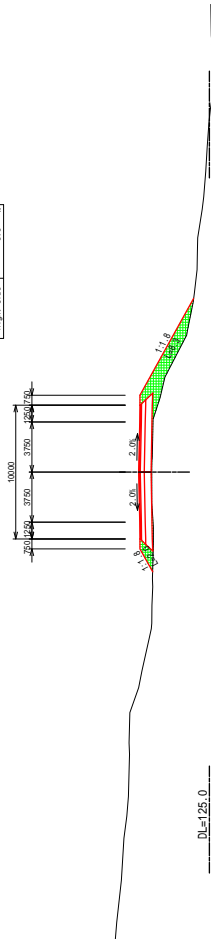
THE PREPARATORY SURVEY FOR  
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SHEET CONTENTS  
CROSS SECTION  
PK213+200 ~ PK213+350

SCALE S=1:400  
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PK 213+450	
Excavation	0.0 m <sup>3</sup>
200% Slope Soil	0.0 m <sup>3</sup>
300% Slope Soil	0.6 m <sup>3</sup>
Embankment	0.0 m <sup>3</sup>
2.5% Slope	5.1 m <sup>3</sup>
3% Slope	0.0 m <sup>3</sup>
4% Slope	0.0 m <sup>3</sup>
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	2.0 m
Right Side	6.3 m

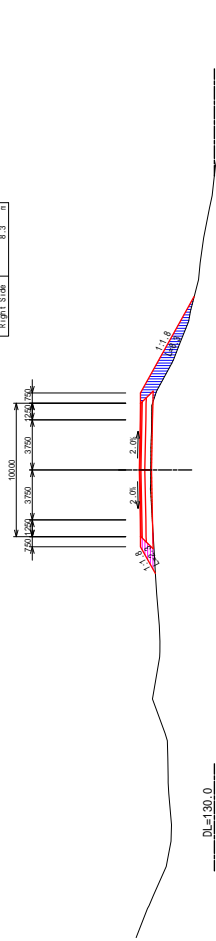
PK213+450  
GH=129.32  
PH=130.297



DL=125.0

PK 213+550	
Excavation	0.0 m <sup>3</sup>
200% Slope Soil	0.6 m <sup>3</sup>
300% Slope Soil	0.0 m <sup>3</sup>
Embankment	5.1 m <sup>3</sup>
2.5% Slope	0.0 m <sup>3</sup>
3% Slope	0.0 m <sup>3</sup>
4% Slope	0.0 m <sup>3</sup>
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	2.3 m
Right Side	5.3 m

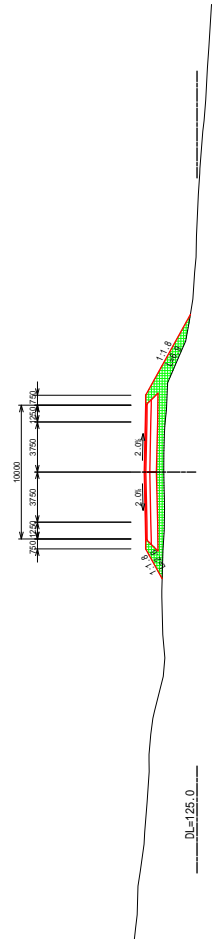
PK213+550  
GH=134.77  
PH=135.630



DL=130.0

PK 213+400	
Excavation	0.0 m <sup>3</sup>
200% Slope Soil	0.0 m <sup>3</sup>
300% Slope Soil	0.0 m <sup>3</sup>
Embankment	0.0 m <sup>3</sup>
2.5% Slope	13.7 m <sup>3</sup>
3% Slope	0.0 m <sup>3</sup>
4% Slope	0.0 m <sup>3</sup>
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	2.6 m
Right Side	6.9 m

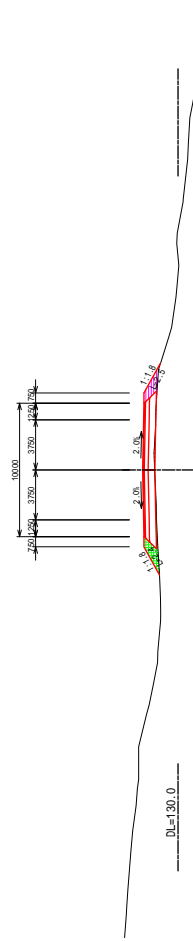
PK213+400  
GH=127.48  
PH=128.589



DL=125.0

PK 213+500	
Excavation	0.0 m <sup>3</sup>
200% Slope Soil	0.2 m <sup>3</sup>
300% Slope Soil	0.0 m <sup>3</sup>
Embankment	0.0 m <sup>3</sup>
2.5% Slope	1.3 m <sup>3</sup>
3% Slope	0.0 m <sup>3</sup>
4% Slope	1.6 m <sup>3</sup>
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	2.4 m
Right Side	2.5 m

PK213+500  
GH=131.74  
PH=132.642



DL=130.0



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JAPAN INTERNATIONAL COOPERATION AGENCY  
YACHIYO ENGINEERING CO., LTD.

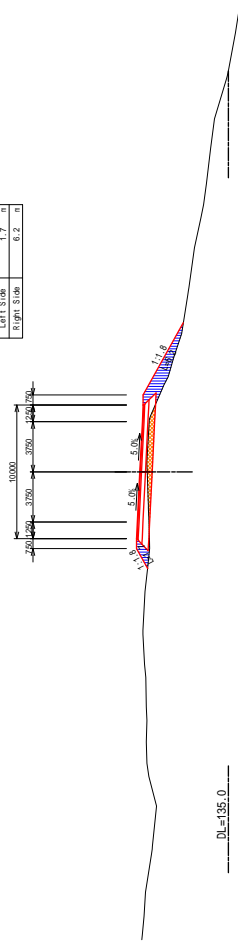
THE PREPARATORY SURVEY FOR  
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CROSS SECTION  
PK213+400 ~ PK213+550

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DATE NOV 2018  
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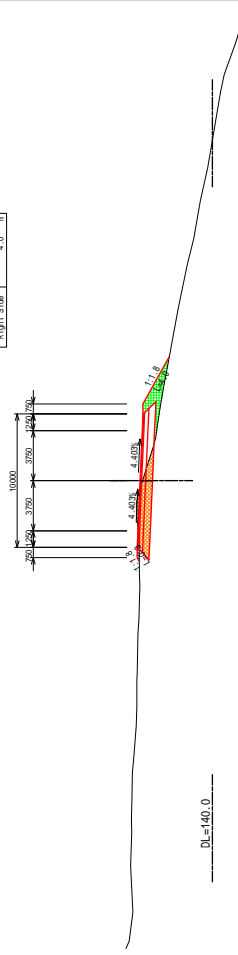
<b>PK 213+650</b>	
Excavation	0.0 m
200g/300k Soil	2.7 m
300g/50k Soil	5.8 m
Enbankment	0.0 m
2.5% to 4.0%	0.0 m
4.0% to 5.0%	0.0 m
5.0% to 7.0%	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Embankment Slope	1.7 m
Left Slope	1.7 m
Right Slope	0.2 m

**PK213+650**  
GH=141.09  
PH=141.630



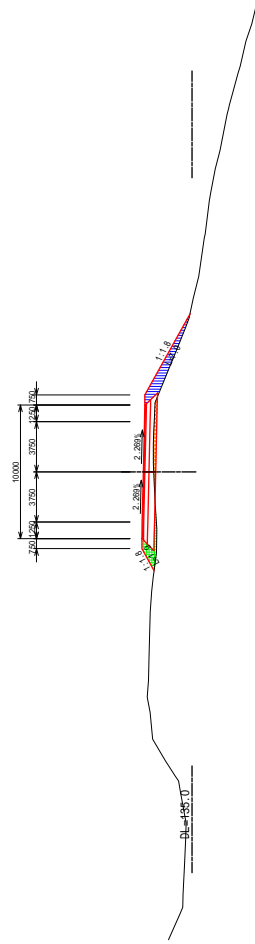
<b>PK 213+750</b>	
Excavation	0.0 m
200g/300k Soil	6.1 m
300g/50k Soil	0.1 m
Enbankment	0.0 m
2.5% to 4.0%	0.0 m
4.0% to 5.0%	0.0 m
5.0% to 7.0%	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Embankment Slope	0.3 m
Left Slope	0.3 m
Right Slope	4.0 m

**PK213+750**  
GH=145.23  
PH=145.415



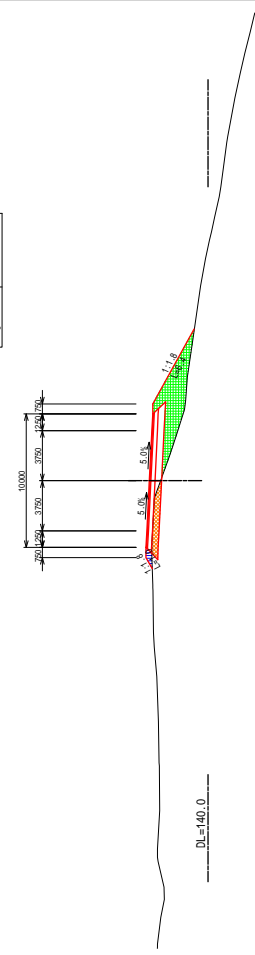
<b>PK 213+600</b>	
Excavation	0.0 m
200g/300k Soil	1.2 m
300g/50k Soil	3.6 m
Enbankment	0.0 m
2.5% to 4.0%	0.0 m
4.0% to 5.0%	0.0 m
5.0% to 7.0%	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Embankment Slope	1.9 m
Left Slope	1.9 m
Right Slope	7.0 m

**PK213+600**  
GH=137.86  
PH=138.630



<b>213+700</b>	
Excavation	0.0 m
200g/300k Soil	2.5 m
300g/50k Soil	0.4 m
Enbankment	0.0 m
2.5% to 4.0%	0.0 m
4.0% to 5.0%	1.3 m
5.0% to 7.0%	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Embankment Slope	1.0 m
Left Slope	1.0 m
Right Slope	6.4 m

**PK213+700**  
GH=143.54  
PH=144.384



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JAPAN INTERNATIONAL COOPERATION AGENCY  
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THE PREPARATORY SURVEY FOR  
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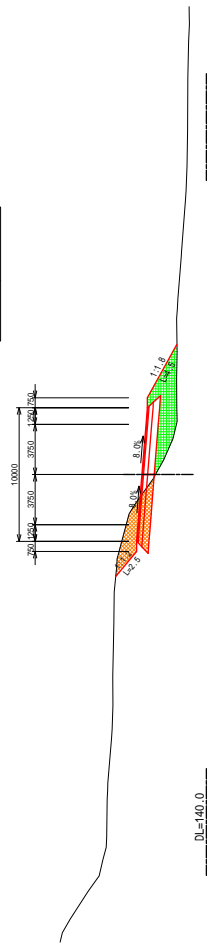
SHEET CONTENTS  
CROSS SECTION  
PK213+600 ~ PK213+750

SCALE S=1:400  
DATE NOV 2018  
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PK	213+850
Excavation	0.0 m
Shoulder	8.7 m
Enchantment	0.0 m
Shoulder	8.7 m
Enchantment	0.0 m
Shoulder	10.5 m
Enchantment	0.0 m
Length of Excavation Slope	2.5 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	0.0 m
Right Slope	4.5 m

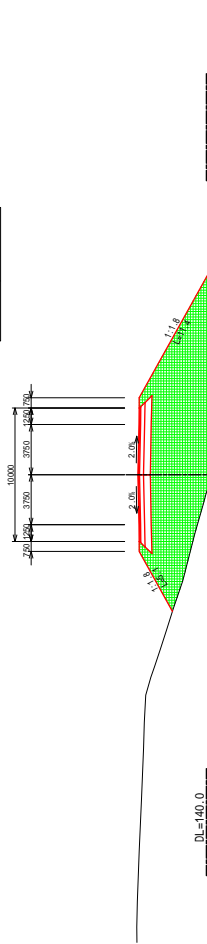
PK213+850  
 GH=143.82  
 PH=145.125



DL=140.0

PK	213+950
Excavation	0.0 m
Shoulder	8.7 m
Enchantment	0.0 m
Shoulder	8.7 m
Enchantment	0.0 m
Shoulder	10.5 m
Enchantment	0.0 m
Length of Excavation Slope	2.5 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	0.0 m
Right Slope	4.5 m

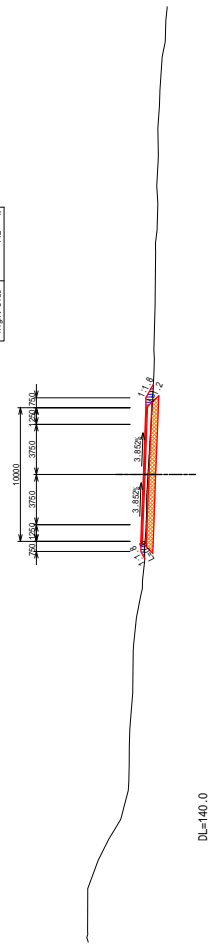
PK213+950  
 GH=143.81  
 PH=144.625



DL=140.0

PK	213+800
Excavation	0.0 m
Shoulder	6.2 m
Enchantment	0.8 m
Shoulder	6.2 m
Enchantment	0.0 m
Shoulder	10.5 m
Enchantment	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	0.0 m
Right Slope	1.2 m

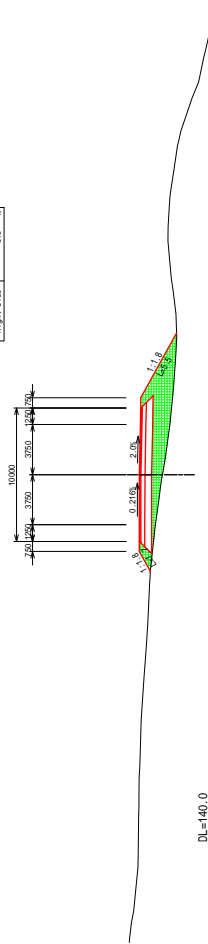
PK213+800  
 GH=144.63  
 PH=144.975



DL=140.0

PK	213+900
Excavation	0.0 m
Shoulder	6.2 m
Enchantment	0.8 m
Shoulder	6.2 m
Enchantment	0.0 m
Shoulder	10.5 m
Enchantment	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	0.0 m
Right Slope	1.7 m

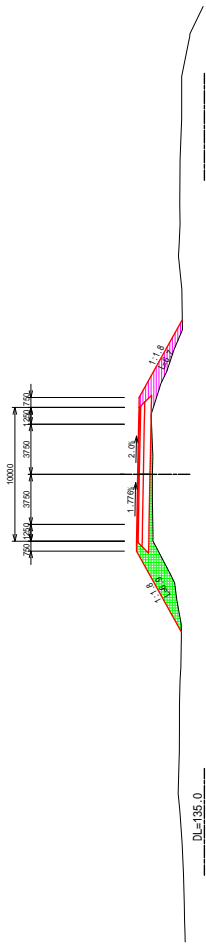
PK213+900  
 GH=143.56  
 PH=145.275



DL=140.0

PK	214+150	
Excavation	0.0	ft
Spill Out	0.0	ft
Enlargement	0.0	ft
Left Slope	0.0	n
Right Slope	0.0	n
Length of Excavation Slope	0.0	n
Length of Enlargement Slope	0.0	n
Left Slope	8.9	n
Right Slope	9.7	n

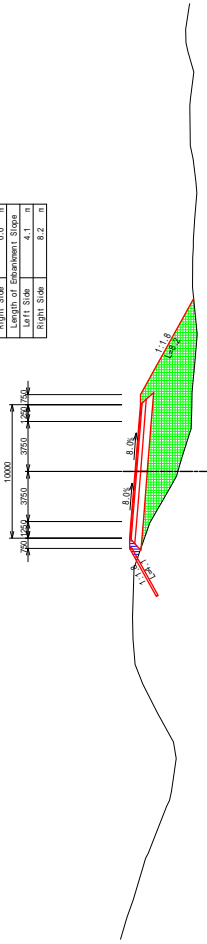
PK214+150  
GH=138.90  
PH=139.985



DL=135.0

PK	214+50	
Excavation	0.0	ft
Spill Out	0.0	ft
Enlargement	0.7	ft
Left Slope	0.0	n
Right Slope	0.0	n
Length of Excavation Slope	0.0	n
Length of Enlargement Slope	4.1	n
Left Slope	6.2	n

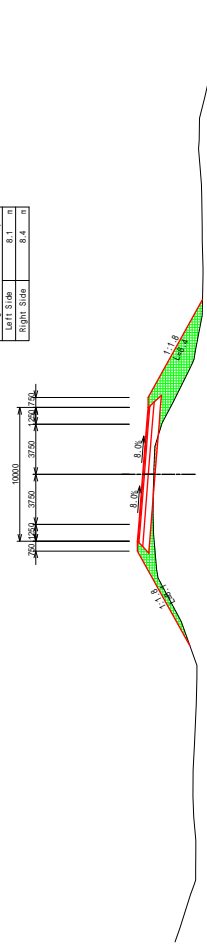
PK214+50  
GH=140.58  
PH=143.789



DL=135.0

PK	214+100	
Excavation	0.0	ft
Spill Out	0.4	ft
Enlargement	0.0	ft
Left Slope	0.0	n
Right Slope	0.0	n
Length of Excavation Slope	0.0	n
Length of Enlargement Slope	8.1	n
Left Slope	8.4	n

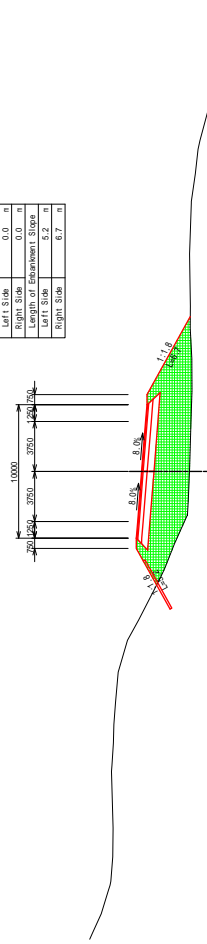
PK214+100  
GH=141.06  
PH=141.895



DL=135.0

PK	214+0	
Excavation	0.0	ft
Spill Out	0.0	ft
Enlargement	0.0	ft
Left Slope	0.0	n
Right Slope	0.0	n
Length of Excavation Slope	0.0	n
Length of Enlargement Slope	5.2	n
Left Slope	6.7	n

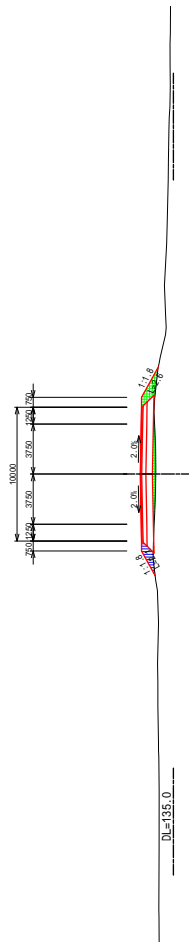
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GH=141.08  
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DL=135.0

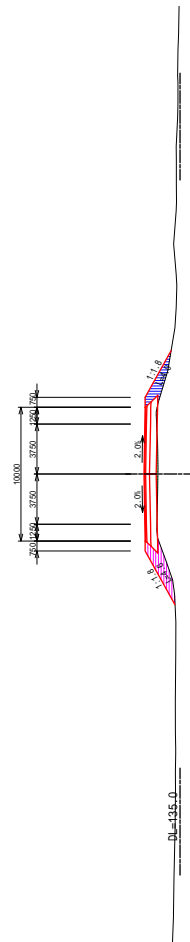
PK 214+350	
Excavation	0.0 m
Spore Cut	0.0 m
Enlargement	1.1 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enlargement Slope	2.1 m
Left Side	2.8 m
Right Side	2.8 m

**PK214+350**  
 GH=136.34  
 PH=137.495



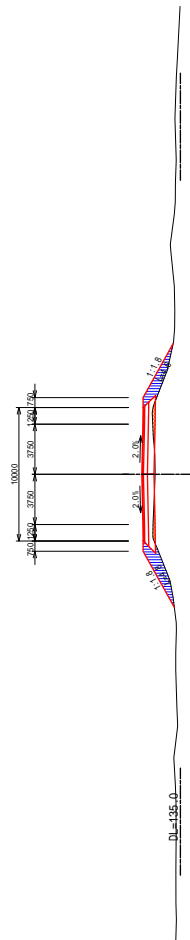
PK 214+300	
Excavation	0.0 m
Spore Cut	0.1 m
Enlargement	2.4 m
Length of Excavation Slope	0.5 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enlargement Slope	4.6 m
Left Side	4.0 m
Right Side	4.0 m

**PK214+300**  
 GH=136.66  
 PH=137.695



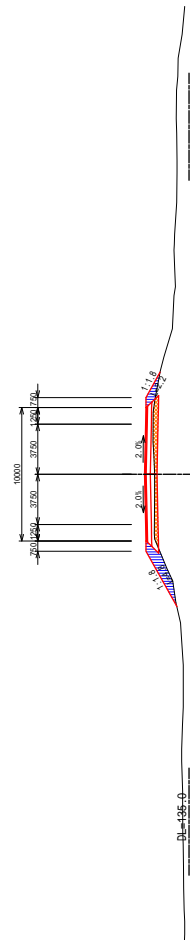
PK 214+250	
Excavation	0.0 m
Spore Cut	0.9 m
Enlargement	6.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enlargement Slope	4.8 m
Left Side	4.0 m
Right Side	4.0 m

**PK214+250**  
 GH=136.90  
 PH=137.895



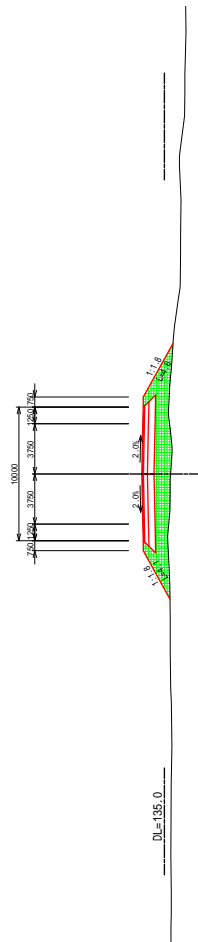
PK 214+200	
Excavation	0.0 m
Spore Cut	3.0 m
Enlargement	4.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enlargement Slope	4.8 m
Left Side	2.2 m
Right Side	2.2 m

**PK214+200**  
 GH=137.58  
 PH=138.308



PK	214+550
Excavation	0.0 m
Shoulder Slope	0.0 m
Embankment	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	4.3 m
Right Slope	4.6 m

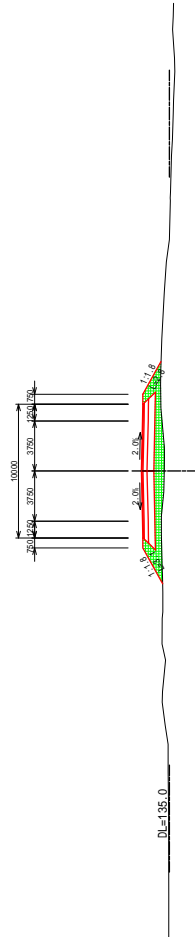
PK214+550  
 GH=134.55  
 PH=136.695



DL=135.0

PK	214+450
Excavation	0.0 m
Shoulder Slope	0.0 m
Embankment	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	3.1 m
Right Slope	2.8 m

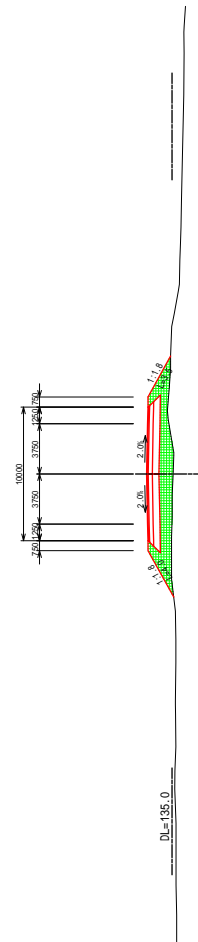
PK214+450  
 GH=135.40  
 PH=137.085



DL=135.0

PK	214+500
Excavation	0.0 m
Shoulder Slope	0.0 m
Embankment	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	4.0 m
Right Slope	3.5 m

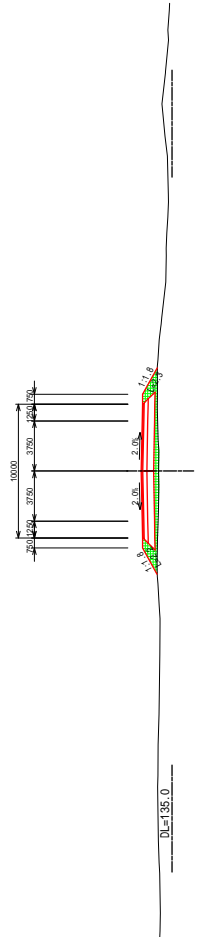
PK214+500  
 GH=134.92  
 PH=136.895



DL=135.0

PK	214+400
Excavation	0.0 m
Shoulder Slope	0.0 m
Embankment	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Embankment Slope	0.0 m
Left Slope	2.2 m
Right Slope	2.3 m

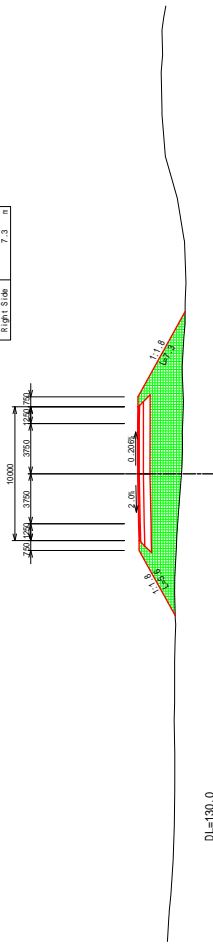
PK214+400  
 GH=135.99  
 PH=137.295



DL=135.0

PK	214+750
Excavation	0.0 m
Shoulder	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Enbankment Slope	0.0 m
Left Slope	5.8 m
Right Slope	7.8 m

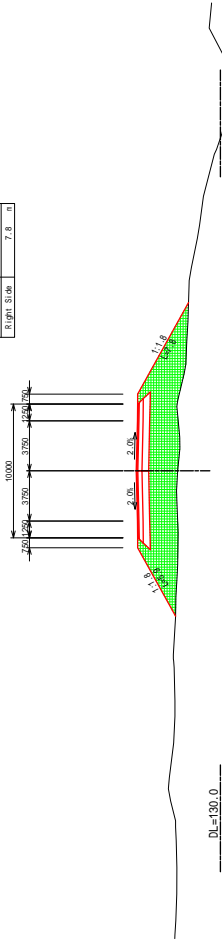
PK214+750  
 GH=132.63  
 PH=135.885



DL=130.0

PK	214+650
Excavation	0.0 m
Shoulder	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Enbankment Slope	5.9 m
Left Slope	7.8 m

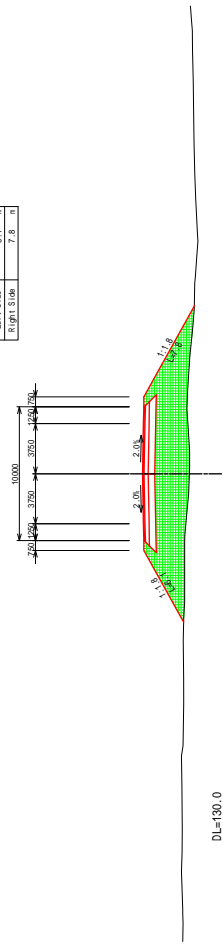
PK214+650  
 GH=133.20  
 PH=136.285



DL=130.0

PK	214+700
Excavation	0.0 m
Shoulder	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Enbankment Slope	6.1 m
Left Slope	7.8 m

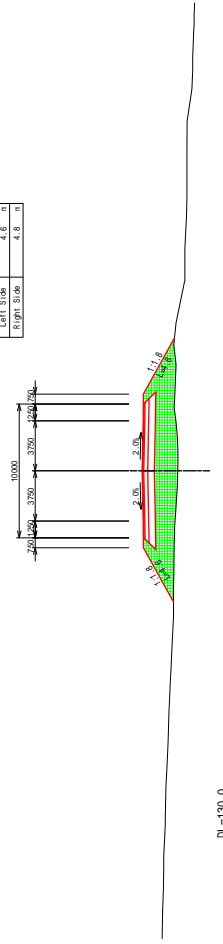
PK214+700  
 GH=132.59  
 PH=136.085



DL=130.0

PK	214+600
Excavation	0.0 m
Shoulder	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	28.3 m
Left Slope	0.0 m
Right Slope	0.0 m
Length of Enbankment Slope	4.6 m
Left Slope	4.8 m

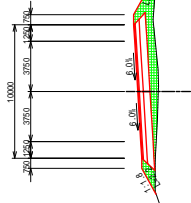
PK214+600  
 GH=133.83  
 PH=136.685



DL=130.0

PK	214+950
Excavation	0.0 m
Shoulder	0.0 m
Enchantment	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	2.2 m
Right Slope	3.8 m

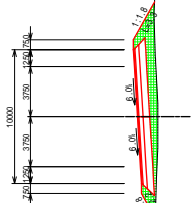
PK214+950  
 GH=136.67  
 PH=138.215



DL=130.0

PK	214+850
Excavation	0.0 m
Shoulder	0.0 m
Enchantment	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	2.2 m
Right Slope	3.3 m

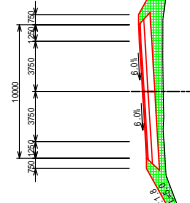
PK214+850  
 GH=134.69  
 PH=136.215



DL=130.0

PK	214+900
Excavation	0.0 m
Shoulder	0.0 m
Enchantment	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	2.2 m
Right Slope	5.4 m

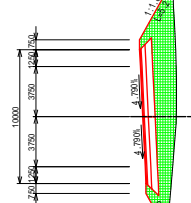
PK214+900  
 GH=135.66  
 PH=137.215



DL=130.0

PK	214+800
Excavation	0.0 m
Shoulder	0.0 m
Enchantment	0.0 m
Length of Excavation Slope	0.0 m
Left Slope	3.8 m
Right Slope	5.2 m

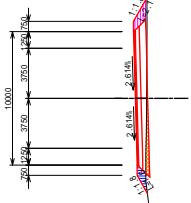
PK214+800  
 GH=133.19  
 PH=135.695



DL=130.0

PK 215+50	
Excavation	0.0 m
Open Cut	1.2 m
Enbankment	0.7 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Left Slope	1.8 a
Right Slope	2.1 a

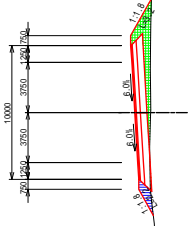
PK215+50  
 GH=140.53  
 PH=141.365



DL=135.0

PK 215+100	
Excavation	0.0 m
Open Cut	0.1 m
Enbankment	1.1 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Left Slope	2.2 a
Right Slope	3.1 a

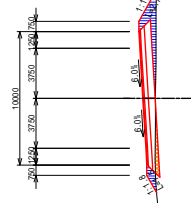
PK215+100  
 GH=139.03  
 PH=140.215



DL=135.0

PK 215+50	
Excavation	0.0 m
Open Cut	0.0 m
Enbankment	0.9 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Left Slope	1.5 a
Right Slope	2.7 a

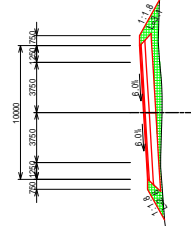
PK215+100  
 GH=140.12  
 PH=141.066



DL=135.0

PK 215+0	
Excavation	0.0 m
Open Cut	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Left Slope	2.6 a
Right Slope	3.1 a

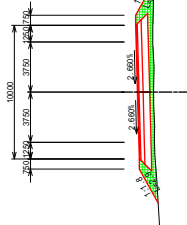
PK215  
 GH=137.83  
 PH=139.215



DL=135.0

PK	215+350
Excavation	0.0 m
Shoulder	0.0 m
Subgrade	0.0 m
Embankment	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	2.3 m
Left Side	2.3 m
Right Side	3.1 m

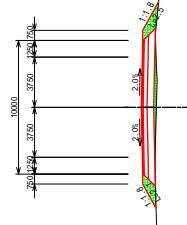
PK215+350  
GH=140.75  
PH=141.965



DL=135.0

PK	215+250
Excavation	0.0 m
Shoulder	0.0 m
Subgrade	0.0 m
Embankment	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	2.1 m
Left Side	2.1 m
Right Side	2.0 m

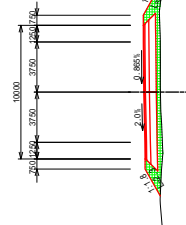
PK215+250  
GH=140.54  
PH=141.665



DL=135.0

PK	215+300
Excavation	0.0 m
Shoulder	0.0 m
Subgrade	0.0 m
Embankment	0.0 m
Length of Excavation Slope	2.4 m
Left Side	2.4 m
Right Side	0.0 m
Length of Embankment Slope	2.3 m
Left Side	2.3 m
Right Side	3.1 m

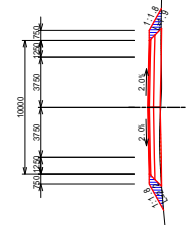
PK215+300  
GH=140.57  
PH=141.815



DL=135.0

PK	215+200
Excavation	0.0 m
Shoulder	0.4 m
Subgrade	0.4 m
Embankment	2.2 m
Length of Excavation Slope	0.2 m
Left Side	0.2 m
Right Side	0.0 m
Length of Embankment Slope	2.2 m
Left Side	2.2 m
Right Side	1.9 m

PK215+200  
GH=140.54  
PH=141.515



DL=135.0



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THE PREPARATORY SURVEY FOR  
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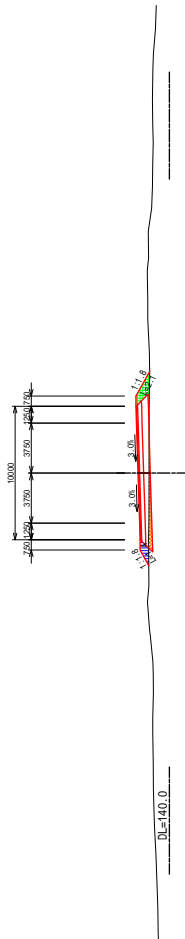
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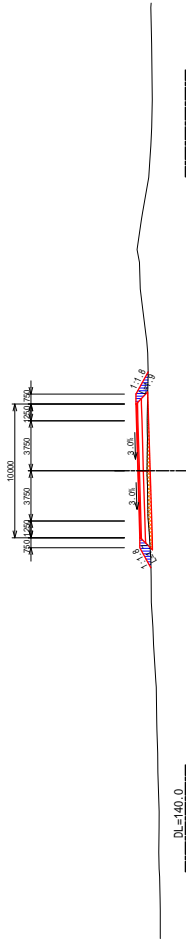
PK 215+450	
Elevation (m)	
Proposed Grade	0.0
Spot Elevation	1.3
Enhancement	0.7
Left Slope	1.0
Right Slope	1.0
Length of Embankment Slope	0.0
Left Slope	0.0
Right Slope	0.0
Length of Embankment Slope	1.4
Left Slope	2.1
Right Slope	2.1

PK215+450  
GH=141.53  
PH=142.353



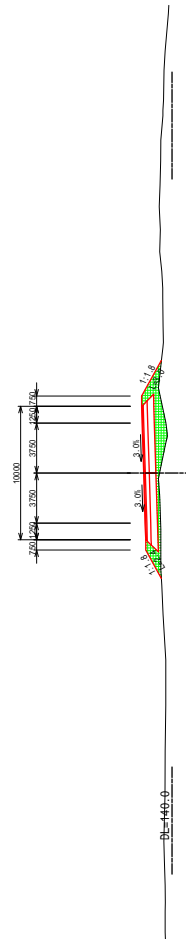
PK 215+550	
Elevation (m)	
Proposed Grade	0.0
Spot Elevation	2.1
Enhancement	1.9
Left Slope	0.0
Right Slope	0.0
Length of Embankment Slope	0.0
Left Slope	0.0
Right Slope	0.0
Length of Embankment Slope	1.7
Left Slope	1.9
Right Slope	1.9

PK215+550  
GH=142.88  
PH=143.565



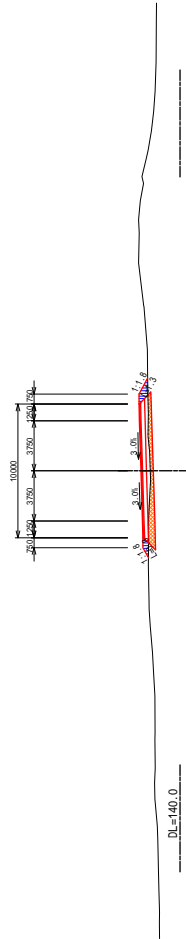
PK 215+400	
Elevation (m)	
Proposed Grade	0.0
Spot Elevation	0.0
Enhancement	0.0
Left Slope	0.0
Right Slope	0.0
Length of Embankment Slope	0.0
Left Slope	2.4
Right Slope	3.0

PK215+400  
GH=140.93  
PH=142.115



PK 215+500	
Elevation (m)	
Proposed Grade	0.0
Spot Elevation	3.6
Enhancement	1.1
Left Slope	0.0
Right Slope	0.0
Length of Embankment Slope	0.0
Left Slope	0.8
Right Slope	1.3

PK215+500  
GH=142.21  
PH=142.915



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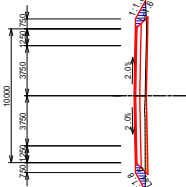
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PK 215+750	
Excavation	0.0 m
Subgrade	0.0 m
Shoulder	1.4 m
Enbankment	1.7 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	0.0 m
Left Slope	0.0 n
Right Slope	1.8 n
Right Slope	1.8 m

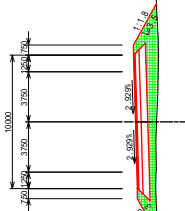
PK215+750  
 GH=145.33  
 PH=146.165



DL=140.0

PK 215+650	
Excavation	0.0 m
Subgrade	0.0 m
Shoulder	1.4 m
Enbankment	1.7 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	0.0 m
Left Slope	3.3 n
Right Slope	3.3 n

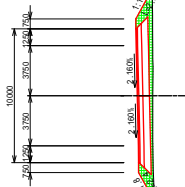
PK215+650  
 GH=143.28  
 PH=144.865



DL=140.0

PK 215+700	
Excavation	0.0 m
Subgrade	0.0 m
Shoulder	1.4 m
Enbankment	1.7 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	0.0 m
Left Slope	2.4 n
Right Slope	2.5 n

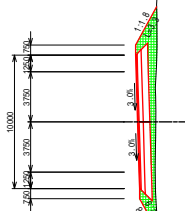
PK215+700  
 GH=144.34  
 PH=145.515



DL=140.0

PK 215+600	
Excavation	0.0 m
Subgrade	0.0 m
Shoulder	1.4 m
Enbankment	1.7 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	0.0 m
Left Slope	2.9 n
Right Slope	3.3 n

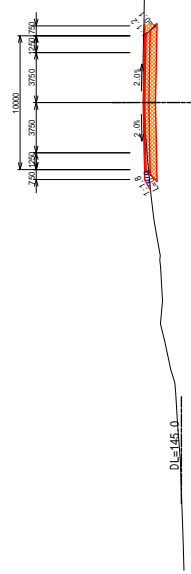
PK215+600  
 GH=142.87  
 PH=144.215



DL=140.0

<b>PK 215+850</b>	
Excavation	0.0 m
Shoulder Slope	8.8 m
Enchantment	0.3 m
Shoulder Slope	0.0 m
Shoulder Slope	0.0 m
Length of Enchantment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.1 n
Length of Enchantment Slope	0.9 m
Left Slope	0.0 n
Right Slope	0.0 n

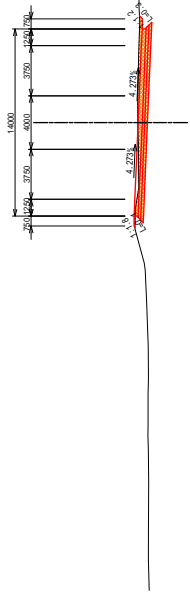
**PK215+850**  
 CH=147.82  
 PH=147.865



DL=145.0

<b>PK 215+950</b>	
Excavation	0.0 m
Shoulder Slope	10.2 m
Enchantment	0.1 m
Shoulder Slope	0.0 m
Shoulder Slope	0.0 m
Length of Enchantment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.3 n
Length of Enchantment Slope	0.1 m
Left Slope	0.0 n
Right Slope	0.0 n

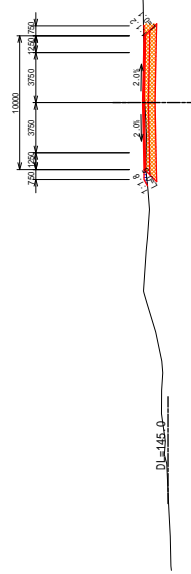
**PK215+950**  
 CH=149.88  
 PH=149.865



DL=145.0

<b>PK 215+800</b>	
Excavation	0.0 m
Shoulder Slope	9.4 m
Enchantment	0.2 m
Shoulder Slope	0.0 m
Shoulder Slope	0.0 m
Length of Enchantment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.1 n
Length of Enchantment Slope	0.5 m
Left Slope	0.0 n
Right Slope	0.0 n

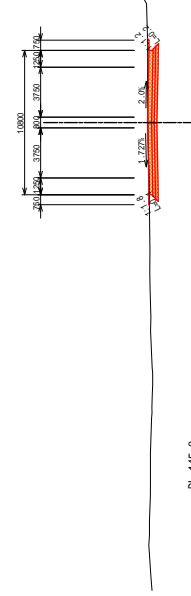
**PK215+800**  
 CH=146.73  
 PH=146.865



DL=145.0

<b>PK 215+900</b>	
Excavation	0.0 m
Shoulder Slope	7.9 m
Enchantment	0.0 m
Shoulder Slope	0.0 m
Shoulder Slope	0.0 m
Length of Enchantment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.2 n
Length of Enchantment Slope	0.1 m
Left Slope	0.0 n
Right Slope	0.0 n

**PK215+900**  
 CH=148.88  
 PH=148.915



DL=145.0



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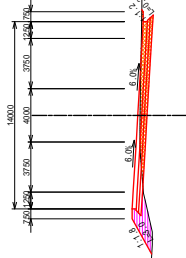
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PK	216+150
Excavation	0.0 m
Spore Size	6.7 m
Enchantment	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 n
Right Side	0.2 n
Length of Enchantment Slope	3.0 m
Left Side	0.0 m
Right Side	0.0 m

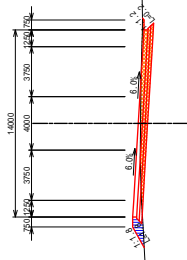
PK216+150  
GH=149.37  
PH=149.545



DL=145.0

PK	216+50
Excavation	0.0 m
Spore Size	7.2 m
Enchantment	1.1 m
Length of Excavation Slope	0.0 m
Left Side	0.0 n
Right Side	0.2 n
Length of Enchantment Slope	1.8 m
Left Side	0.0 m
Right Side	0.0 m

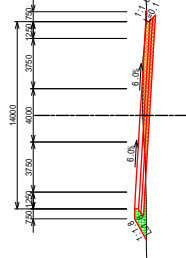
PK216+50  
GH=148.77  
PH=149.075



DL=145.0

PK	216+100
Excavation	0.0 m
Spore Size	5.9 m
Enchantment	0.0 m
Length of Excavation Slope	1.4 m
Left Side	0.0 n
Right Side	0.0 n
Length of Enchantment Slope	1.8 m
Left Side	0.1 m
Right Side	0.1 m

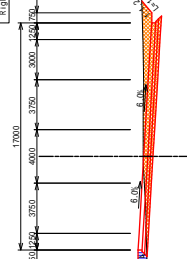
PK216+100  
GH=149.50  
PH=149.695



DL=145.0

PK	216+0
Excavation	0.0 m
Spore Size	14.0 m
Enchantment	0.8 m
Length of Excavation Slope	0.0 m
Left Side	0.0 n
Right Side	1.2 n
Length of Enchantment Slope	1.4 m
Left Side	0.0 m
Right Side	0.0 m

PK216  
GH=150.36  
PH=150.327



DL=145.0



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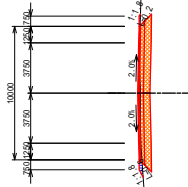
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<b>PK 216+350</b>	
Excavation	0.0 m
Shoulder	8.6 m
Enbankment	0.3 m
Shoulder	0.0 m
Shoulder	0.0 m
Shoulder	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.2 m

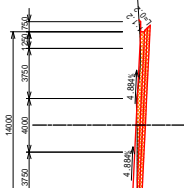
**PK216+350**  
 GH=150.56  
 PH=150.745



DL=145.0

<b>PK 216+250</b>	
Excavation	0.0 m
Shoulder	7.8 m
Enbankment	0.8 m
Shoulder	0.0 m
Shoulder	0.0 m
Shoulder	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.2 m
Length of Embankment Slope	1.8 m
Left Side	0.0 m
Right Side	0.0 m

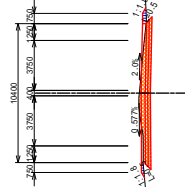
**PK216+250**  
 GH=149.38  
 PH=149.448



DL=145.0

<b>PK 216+300</b>	
Excavation	0.0 m
Shoulder	7.2 m
Enbankment	0.4 m
Shoulder	0.0 m
Shoulder	0.0 m
Shoulder	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.5 m
Left Side	0.5 m
Right Side	0.5 m

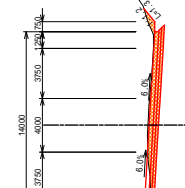
**PK216+300**  
 GH=150.13  
 PH=149.995



DL=145.0

<b>PK 216+200</b>	
Excavation	0.0 m
Shoulder	9.4 m
Enbankment	0.7 m
Shoulder	0.0 m
Shoulder	0.0 m
Shoulder	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	1.3 m
Length of Embankment Slope	1.4 m
Left Side	0.0 m
Right Side	0.0 m

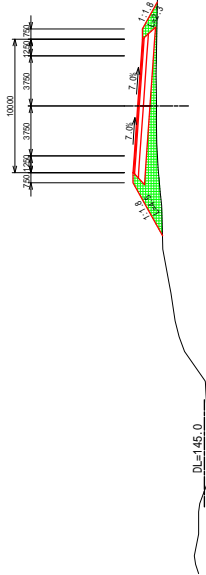
**PK216+200**  
 GH=149.49  
 PH=149.395



DL=145.0

PK 216+550	
Excavation	0.0 m <sup>2</sup>
2000/2000/50/1	0.0 m <sup>2</sup>
2000/2000/50/1	0.0 m <sup>2</sup>
Enbankment	0.0 m <sup>2</sup>
2000/2000/50/1	0.0 m <sup>2</sup>
2000/2000/50/1	0.0 m <sup>2</sup>
Length of Embankment Slope	1.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	4.5 m
Left Side	2.3 m
Right Side	2.3 m

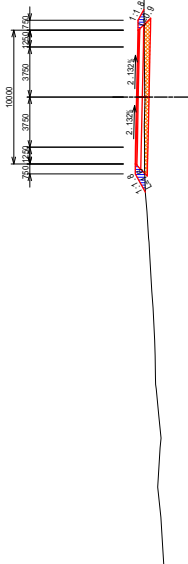
PK216+550  
GH=148.60  
PH=149.995



DL=145.0

PK 216+450	
Excavation	0.0 m <sup>2</sup>
2000/2000/50/1	3.8 m <sup>2</sup>
2000/2000/50/1	1.2 m <sup>2</sup>
Enbankment	0.0 m <sup>2</sup>
2000/2000/50/1	0.0 m <sup>2</sup>
2000/2000/50/1	0.0 m <sup>2</sup>
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	1.8 m
Left Side	0.9 m
Right Side	0.9 m

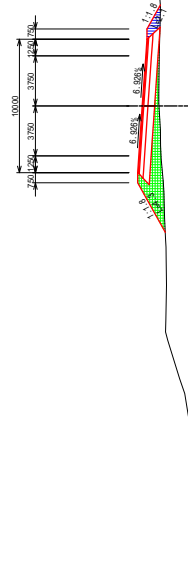
PK216+450  
GH=151.53  
PH=152.245



DL=145.0

PK 216+500	
Excavation	0.0 m <sup>2</sup>
2000/2000/50/1	0.0 m <sup>2</sup>
2000/2000/50/1	0.0 m <sup>2</sup>
Enbankment	1.2 m <sup>2</sup>
2000/2000/50/1	0.0 m <sup>2</sup>
2000/2000/50/1	2.8 m <sup>2</sup>
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	4.3 m
Left Side	2.1 m
Right Side	2.1 m

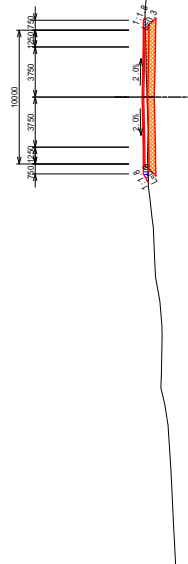
PK216+500  
GH=150.90  
PH=152.151



DL=145.0

PK 216+400	
Excavation	0.0 m <sup>2</sup>
2000/2000/50/1	6.8 m <sup>2</sup>
2000/2000/50/1	0.4 m <sup>2</sup>
Enbankment	0.0 m <sup>2</sup>
2000/2000/50/1	0.0 m <sup>2</sup>
2000/2000/50/1	0.0 m <sup>2</sup>
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.8 m
Left Side	0.3 m
Right Side	0.3 m

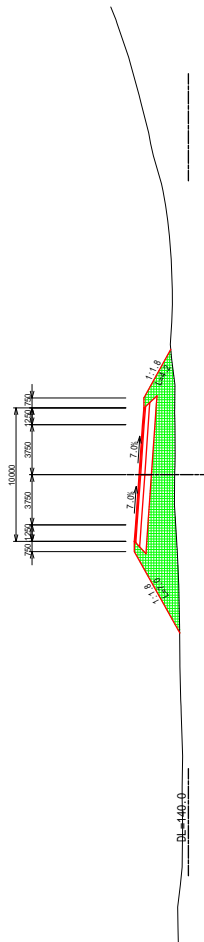
PK216+400  
GH=151.13  
PH=151.485



DL=145.0

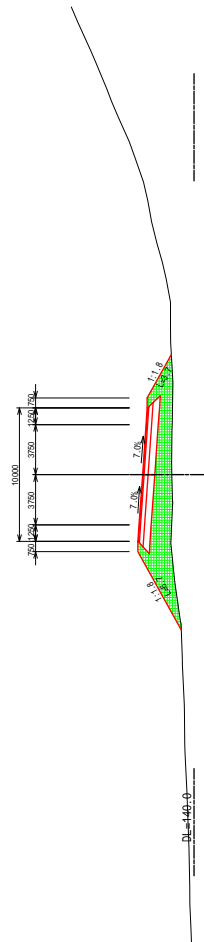
PK	216+750
Excavation	0.0 m
Shoulder	0.0 m
Enbankment	0.0 m
Length of Embankment Slope	20.2 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Embankment Slope	7.0 m
Left Slope	7.0 m
Right Slope	7.0 m

PK216+750  
 GH=141.00  
 PH=143.685



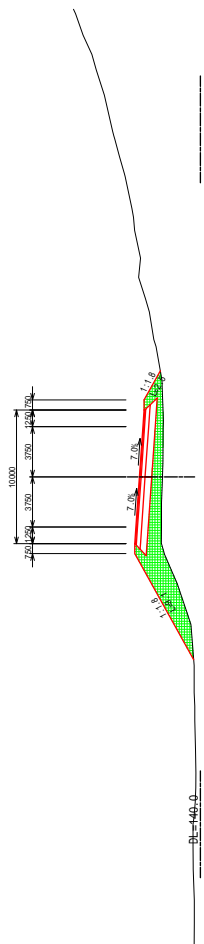
PK	216+700
Excavation	0.0 m
Shoulder	0.0 m
Enbankment	0.0 m
Length of Embankment Slope	20.2 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Embankment Slope	7.0 m
Left Slope	7.0 m
Right Slope	7.0 m

PK216+700  
 GH=141.06  
 PH=143.645



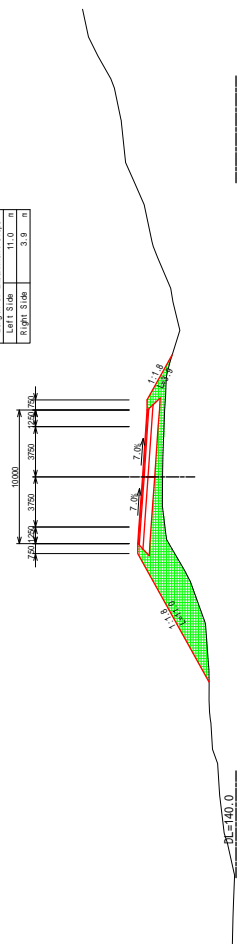
PK	216+650
Excavation	0.0 m
Shoulder	0.0 m
Enbankment	0.0 m
Length of Embankment Slope	20.2 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Embankment Slope	9.1 m
Left Slope	9.1 m
Right Slope	9.1 m

PK216+650  
 GH=142.85  
 PH=144.585



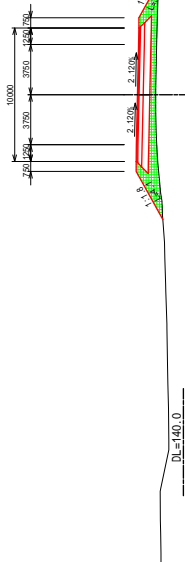
PK	216+600
Excavation	0.0 m
Shoulder	0.0 m
Enbankment	0.0 m
Length of Embankment Slope	20.2 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Embankment Slope	11.0 m
Left Slope	11.0 m
Right Slope	11.0 m

PK216+600  
 GH=145.49  
 PH=146.985



<b>PK 216+850</b>	
Excavation	0.0 m
Shoulder	0.0 m
Enbankment	0.0 m
Length of Separation Slope	1.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	4.1 m
Left Slope	4.1 n
Right Slope	3.2 n

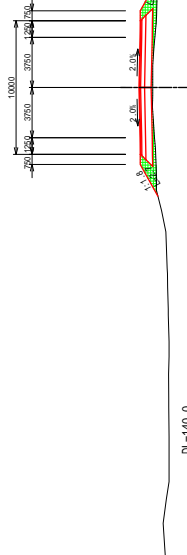
**PK216+850**  
 GH=142.06  
 PH=143.438



DL=140.0

<b>PK 216+950</b>	
Excavation	0.0 m
Shoulder	0.0 m
Enbankment	0.0 m
Length of Separation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	2.7 m
Left Slope	2.7 n
Right Slope	2.8 n

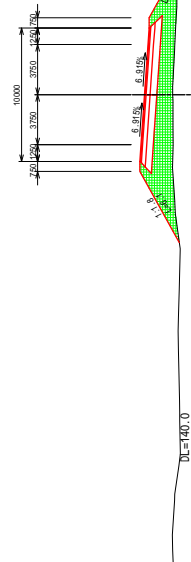
**PK216+950**  
 GH=143.05  
 PH=144.080



DL=140.0

<b>PK 216+800</b>	
Excavation	0.0 m
Shoulder	0.0 m
Enbankment	0.0 m
Length of Separation Slope	2.6 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	6.1 m
Left Slope	6.1 n
Right Slope	4.3 n

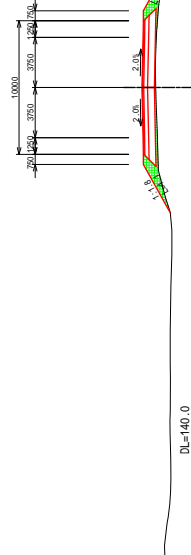
**PK216+800**  
 GH=141.43  
 PH=143.545



DL=140.0

<b>PK 216+900</b>	
Excavation	0.0 m
Shoulder	0.0 m
Enbankment	0.0 m
Length of Separation Slope	3.1 m
Left Slope	0.0 n
Right Slope	0.0 n
Length of Enbankment Slope	4.1 m
Left Slope	4.1 n
Right Slope	3.0 n

**PK216+900**  
 GH=142.70  
 PH=143.720



DL=140.0



REPUBLIQUE DE DJIBOUTI  
 MINISTERE DE L'EQUIPEMENT ET DES TRANSPORTS  
 DIRECTION DE L'EQUIPEMENT



JAPAN INTERNATIONAL COOPERATION AGENCY  
 YACHIYO ENGINEERING CO., LTD.

THE PREPARATORY SURVEY FOR  
 THE PROJECT FOR  
 UPGRADING OF NATIONAL ROAD ROUTE 1  
 IN THE REPUBLIC OF DJIBOUTI

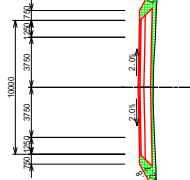
SHEET CONTENTS  
 CROSS SECTION  
 PK216+800 ~ PK216+950

SCALE S=1:400  
 DATE NOV 2018  
 PAGE NO. 117 / 131



PK 217+150	
Excavation	0.0 m
Shoulder Slope	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	2.7 m
Left Side	2.7 m
Right Side	3.1 m

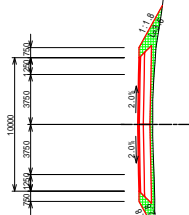
PK217+150  
 GH=144.35  
 PH=145.480



DL=140.0

PK 217+50	
Excavation	0.0 m
Shoulder Slope	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	2.8 m
Left Side	2.8 m
Right Side	3.0 m

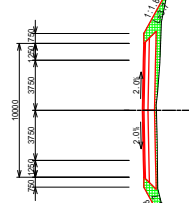
PK217+50  
 GH=143.64  
 PH=144.780



DL=140.0

PK 217+100	
Excavation	0.0 m
Shoulder Slope	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	3.7 m
Left Side	3.7 m
Right Side	3.7 m

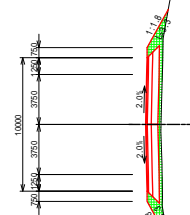
PK217+100  
 GH=144.08  
 PH=145.130



DL=140.0

PK 217+0	
Excavation	0.0 m
Shoulder Slope	0.0 m
Enbankment	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Enbankment Slope	3.3 m
Left Side	3.3 m
Right Side	3.3 m

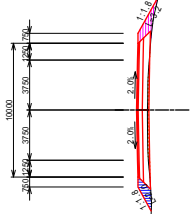
PK217  
 GH=143.28  
 PH=144.430



DL=140.0

PK	217+350
Excavation	0.0 m
Shoulder Slope	0.0 m
Shoulder Slope	0.9 m
Embankment	1.2 m
Shoulder Slope	0.0 m
Shoulder Slope	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	2.0 m
Left Side	2.0 m
Right Side	2.2 m

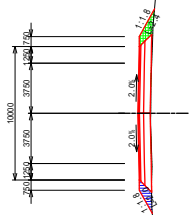
PK217+350  
 GH=146.06  
 PH=146.880



DL=140.0

PK	217+250
Excavation	0.0 m
Shoulder Slope	0.0 m
Shoulder Slope	1.1 m
Embankment	0.0 m
Shoulder Slope	0.0 m
Shoulder Slope	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	2.0 m
Left Side	2.0 m
Right Side	2.4 m

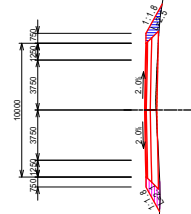
PK217+250  
 GH=145.22  
 PH=146.180



DL=140.0

PK	217+300
Excavation	0.0 m
Shoulder Slope	0.4 m
Shoulder Slope	0.4 m
Embankment	1.3 m
Shoulder Slope	1.5 m
Shoulder Slope	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	2.1 m
Left Side	2.1 m
Right Side	2.5 m

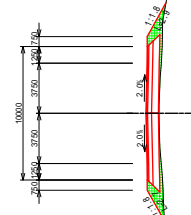
PK217+300  
 GH=145.67  
 PH=146.530



DL=140.0

PK	217+200
Excavation	0.0 m
Shoulder Slope	0.0 m
Shoulder Slope	0.0 m
Embankment	0.0 m
Shoulder Slope	2.5 m
Shoulder Slope	0.0 m
Length of Excavation Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	2.7 m
Left Side	2.7 m
Right Side	2.9 m

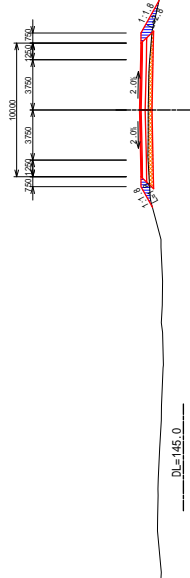
PK217+200  
 GH=144.85  
 PH=145.530



DL=140.0

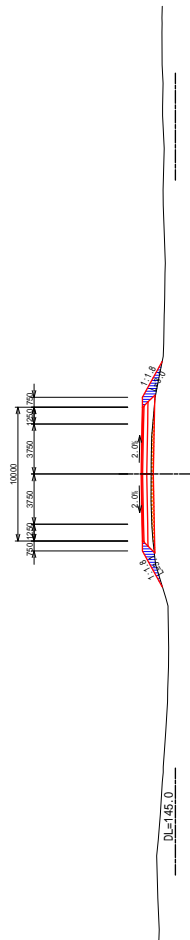
PK	217+450
Excavation	0.0 m
Shoulder Slope	3.3 m
Embankment	2.0 m
Shoulder Slope	3.3 m
Excavation	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	1.8 m
Right Side	2.8 m

PK217+450  
GH=147.65  
PH=148.280



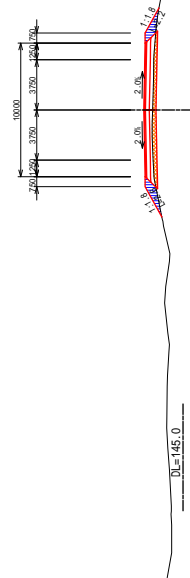
PK	217+450
Excavation	0.0 m
Shoulder Slope	1.7 m
Embankment	2.0 m
Shoulder Slope	3.3 m
Excavation	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	0.0 m
Length of Embankment Slope	0.0 m
Left Side	3.1 m
Right Side	3.0 m

PK217+450  
GH=146.82  
PH=147.580



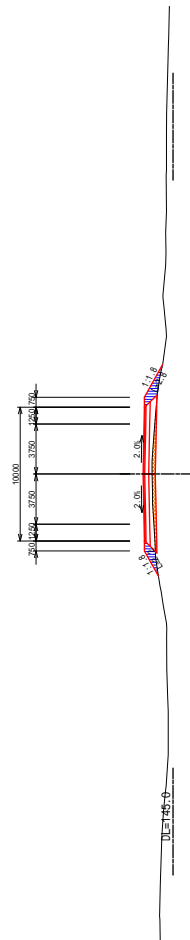
PK	217+500
Excavation	0.0 m
Shoulder Slope	3.0 m
Embankment	2.2 m
Shoulder Slope	3.0 m
Excavation	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	2.6 m
Length of Embankment Slope	2.2 m
Left Side	2.6 m
Right Side	2.2 m

PK217+500  
GH=147.27  
PH=147.930



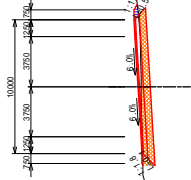
PK	217+400
Excavation	0.0 m
Shoulder Slope	2.1 m
Embankment	2.4 m
Shoulder Slope	3.0 m
Excavation	0.0 m
Length of Embankment Slope	0.0 m
Left Side	0.0 m
Right Side	2.2 m
Length of Embankment Slope	2.2 m
Left Side	2.2 m
Right Side	2.8 m

PK217+400  
GH=146.55  
PH=147.230



PK	217+750
Excavation	0.0 m
Shoulder	7.9 m
Enchantment	0.3 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.1 n
Right Slope	0.3 n

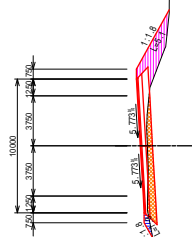
PK217+750  
GH=149.44  
PH=149.680



DL=145.0

PK	217+650
Excavation	0.0 m
Shoulder	3.9 m
Enchantment	0.5 m
Length of Excavation Slope	0.0 m
Left Slope	0.0 n
Right Slope	1.3 n
Right Slope	6.1 n

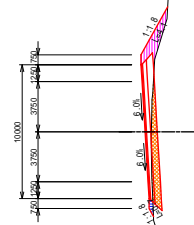
PK217+650  
GH=148.45  
PH=148.980



DL=145.0

PK	217+700
Excavation	0.0 m
Shoulder	4.3 m
Enchantment	0.3 m
Length of Excavation Slope	2.7 m
Left Slope	0.0 n
Right Slope	0.0 n
Right Slope	0.7 n
Right Slope	4.1 n

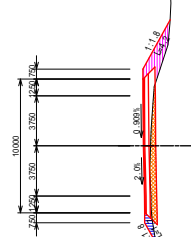
PK217+700  
GH=148.86  
PH=149.330



DL=145.0

PK	217+600
Excavation	0.0 m
Shoulder	3.5 m
Enchantment	0.7 m
Length of Excavation Slope	3.3 m
Left Slope	0.0 n
Right Slope	1.7 n
Right Slope	4.2 n

PK217+600  
GH=148.10  
PH=148.630

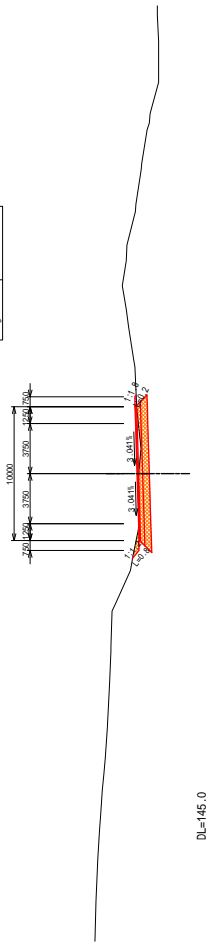


DL=145.0

PK 217+850	
Excavation	0.0 m
Shoulder	9.0 m
Enchantment	0.1 m
Length of Enchantment Slope	0.0 m
Left Slope	0.8 n
Right Slope	0.0 n
Left Stop	0.0 m
Right Stop	0.2 m

PK217+850

GH=150.23  
PH=150.345

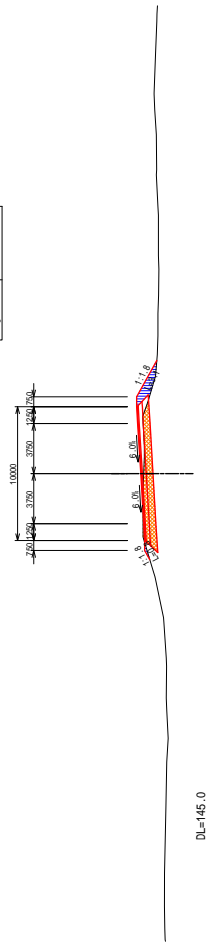


DL=145.0

PK 217+800	
Excavation	0.0 m
Shoulder	7.5 m
Enchantment	1.9 m
Length of Enchantment Slope	0.0 m
Left Slope	0.0 n
Right Slope	0.0 n
Left Stop	0.0 m
Right Stop	3.1 m

PK217+800

GH=149.51  
PH=150.030

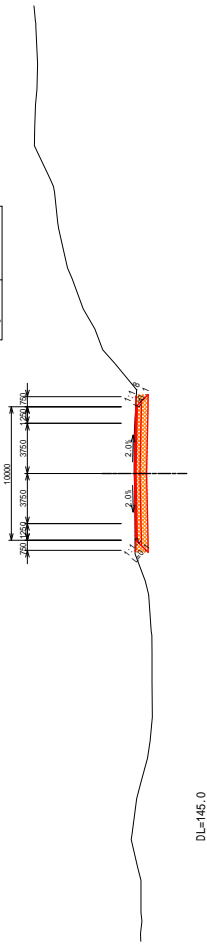


DL=145.0

PK 217+890	
Excavation	0.0 m
Shoulder	11.1 m
Enchantment	0.0 m
Length of Enchantment Slope	0.0 m
Left Slope	0.1 n
Right Slope	0.0 n
Left Stop	0.0 m
Right Stop	0.1 m

PK217+890

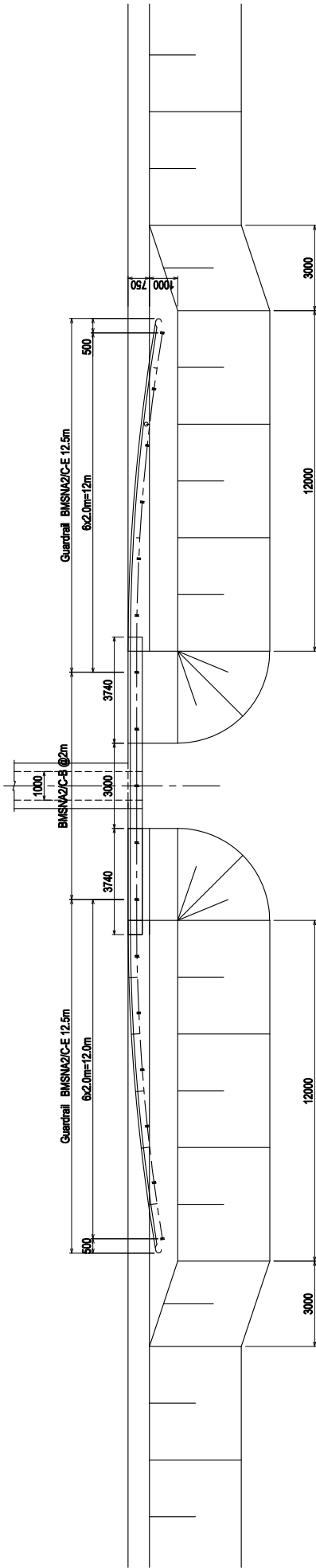
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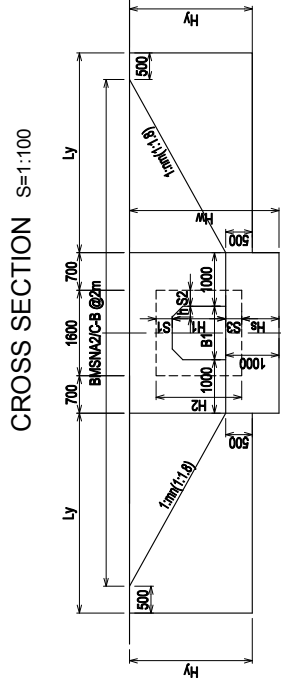
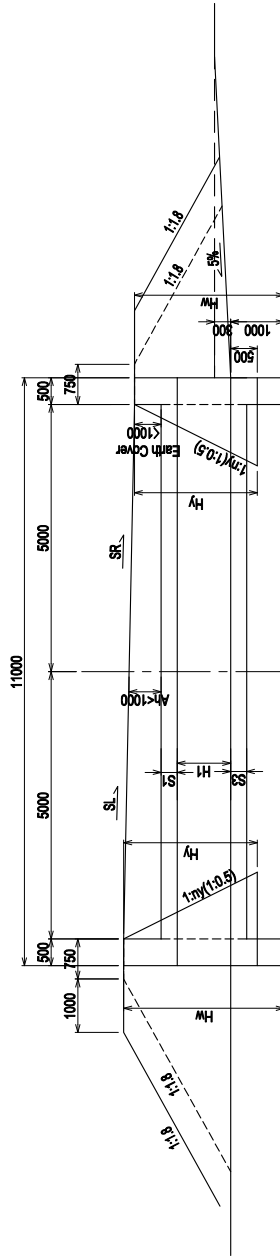
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# STANDARD DRAWING OF BOX CULVERT (1)

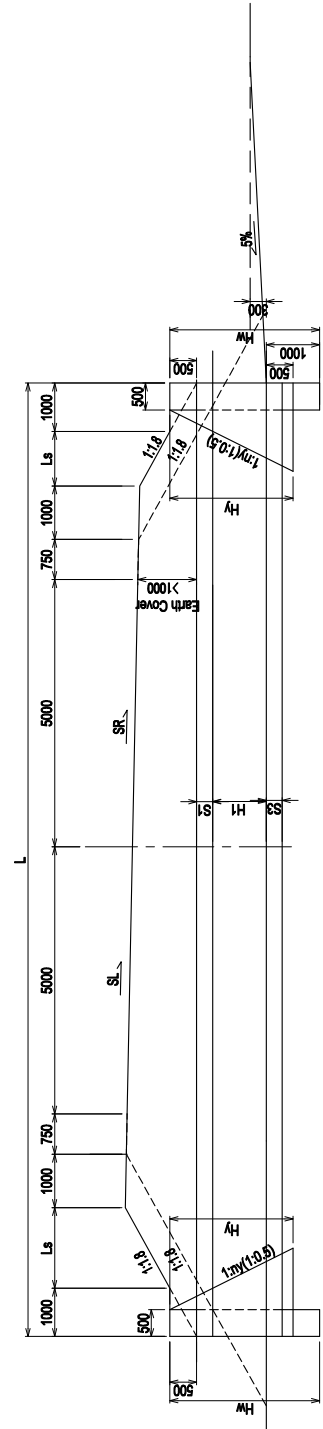
PLAN S=1:150



Type-A S=1:100  
(Earth Cover Depth at Edge of Shoulder < 1000)



Type-B S=1:100  
(Earth Cover Depth at Edge of Shoulder > 1000)



 REPUBLIQUE DE DJIBOUTI MINISTERE DE L'EQUIPEMENT ET DES TRANSPORTS DIRECTION DE L'EQUIPEMENT	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIO ENGINEERING CO., LTD.	THE PREPARATORY SURVEY FOR THE PROJECT FOR UPGRADING OF NATIONAL ROAD ROUTE 1 IN THE REPUBLIC OF DJIBOUTI		SHEET CONTENTS STANDARD DRAWING OF BOX CULVERT (1)	SCALE DATE PAGE NO.	Shown NOV 2018 123 / 131

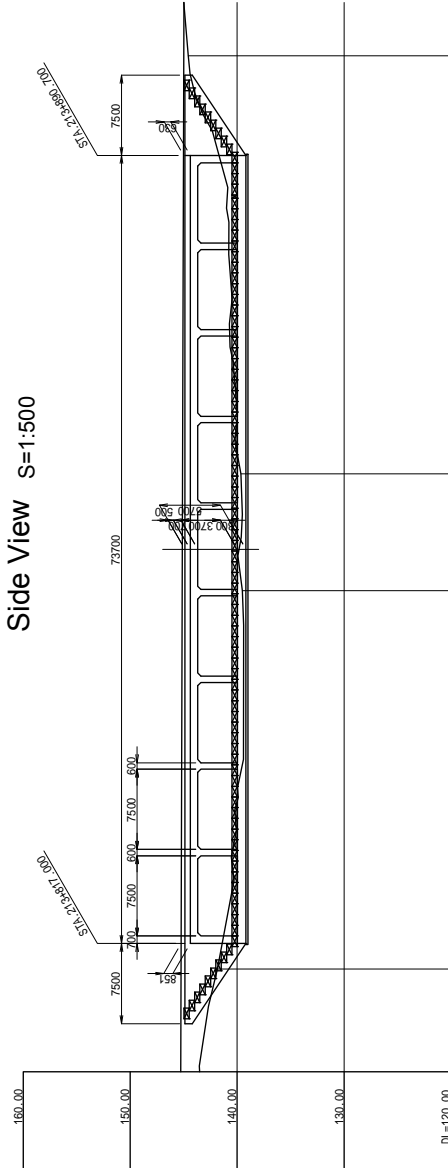
# STANDARD DRAWING OF BOX CULVERT (2)

Mark	Unit	Box-1	Box-2	Box-3	Box-4	Box-5	Box-6	Box-7	Box-8	Box-9	Box-10	Box-11	Box-12	Box-13	Box-14	Box-15	Box-16	Box-17	Box-18	Box-19	
-	-	1.0x1.0	1.0x1.0	1.0x1.0	1.0x1.0	1.0x1.0	1.0x1.0	1.5x1.0	1.5x1.0	1.0x1.0	1.0x1.0	1.0x1.0	1.0x1.0	1.5x1.0	2.0x1.0	1.0x1.0	1.5x1.0	2.0x1.0	1.0x1.0	1.0x1.0	1.0x1.0
Sta.	-	197+484.0	197+792.1	198+018.3	198+268.7	198+484.4	198+692.1	198+863.1	199+278.3	200+375.7	201+030.0	201+942.2	202+800.0	204+585.0	205+700.0	207+020.0	207+560.0	208+156.0	208+789.8	209+190.8	
Type	-	A	B	B	B	A	A	A	B	A	A	A	A	B	A	A	A	A	A	A	A
Bx	Box	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
WL	m	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
WR	m	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00
SL	%	2.00%	2.00%	2.00%	2.00%	2.00%	3.60%	2.00%	2.00%	2.00%	2.00%	2.00%	-2.00%	2.00%	2.00%	2.00%	2.71%	2.00%	2.00%	2.00%	2.00%
SR	%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%
Ob	m	0.88	1.40	1.20	2.05	1.00	0.88	0.98	2.68	0.87	1.13	0.72	0.77	1.68	0.95	0.70	0.85	0.95	0.88	0.82	0.82
L	m	11.00	17.73	17.02	20.08	16.30	11.00	11.00	22.33	11.00	16.78	11.00	11.00	18.75	11.00	11.00	11.00	11.00	11.00	11.00	11.00
B1	m	1.00	1.00	1.00	1.00	1.00	1.00	1.50	1.50	1.00	1.00	1.00	1.00	1.50	2.00	1.00	1.50	2.00	1.00	1.00	1.00
H1	m	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B2	m	1.60	1.60	1.60	1.60	1.60	1.60	2.30	2.30	1.60	1.60	1.60	1.60	2.30	2.80	1.60	2.30	2.80	1.60	1.60	1.60
H2	m	1.60	1.60	1.60	1.60	1.60	1.60	1.70	1.70	1.60	1.60	1.60	1.60	1.70	1.70	1.60	1.70	1.70	1.60	1.60	1.60
S1	m	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30
S2	m	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.30	0.30	0.30	0.30	0.40	0.40	0.30	0.40	0.40	0.30	0.30	0.30
S3	m	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.30	0.30	0.30	0.30	0.40	0.40	0.30	0.40	0.40	0.30	0.30	0.30
h	m	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20
S4	m	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500
Ah	m	0.875	0.850	0.850	0.850	0.875	0.875	0.878	0.850	0.868	0.850	0.720	0.765	0.850	0.850	0.698	0.850	0.850	0.850	0.878	0.823
Ls	m	0.000	1.616	1.260	2.790	0.900	0.000	0.000	3.915	0.000	1.139	0.000	0.000	2.124	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Lw	m	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70	0.70
Hs	m	0.70	0.70	0.70	0.70	0.70	0.70	0.60	0.60	0.70	0.70	0.70	0.70	0.60	0.60	0.70	0.60	0.60	0.70	0.70	0.70
B3	m	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
B4	m	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
nm	-	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80	1.80
Hv0	m	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Hv	m	2.68	2.30	2.30	2.68	2.78	2.30	2.67	2.30	2.67	2.30	2.52	2.57	2.30	2.75	2.50	2.65	2.75	2.68	2.82	2.82
Ly	m	4.42	3.74	3.74	4.42	4.40	3.74	4.40	3.74	4.40	4.14	4.22	3.74	4.45	4.10	4.37	4.55	4.42	4.55	4.42	4.32
ny	-	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50	0.50
Hw	m	3.18	2.80	2.80	3.18	3.18	2.80	3.17	2.80	3.17	2.80	3.02	3.07	2.80	3.25	3.00	3.15	3.25	3.18	3.18	3.12

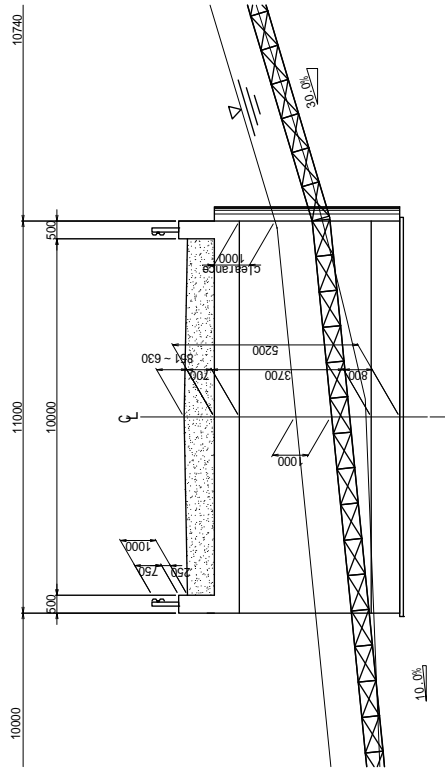
Mark	Unit	Box-20	Box-21	Box-22	Box-23	Box-24	Box-25	Box-26	Box-27	Box-28	Box-29	Box-30	Box-31	Box-32	Box-33	Box-34	Box-35	Box-36	Box-37	Box-38	Box-39	Box-40	
-	-	2.0x1.0	2.0x1.0	2.0x1.0	2.0x1.0	2.0x1.0	2.0x1.0	2.0x1.0	2.0x1.0	2.0x1.0	1.5x1.0	1.0x1.0	1.0x1.0	1.0x1.0	1.0x1.0	1.0x1.0	3.0x2.0	7.5x3.7	3.5x2.0	2.0x1.5	1.0x1.0	1.0x1.0	
Sta.	-	209+592.0	209+828.0	210+1400	210+7380	211+1250	211+2500	211+871.6	211+992.0	212+2880	212+5500	212+7529	212+8182	213+126.9	213+354.3	213+410.6	213+514.0	213+652.0	214+675.0	214+760.0	216+765.0	217+875.4	217+875.4
Type	-	A	B	B	B	A	A	A	A	B	B	B	A	A	A	B	B	B	B	A	A	A	
Bx	Box	1	1	1	1	1	2	1	1	1	1	1	1	1	1	2	2	2	2	6	6	1	
WL	m	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	
WR	m	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	5.00	
SL	%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	2.00%	3.08%	3.08%	2.00%	
SR	%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	-2.00%	
Ob	m	0.92	1.46	1.92	1.02	0.88	0.74	0.77	0.83	1.00	1.67	1.22	0.93	0.94	1.68	1.40	1.88	1.16	0.80	0.80	0.96	0.96	
L	m	11.00	17.94	19.62	16.38	11.00	11.00	11.00	11.00	16.30	18.71	17.08	11.00	11.00	18.73	17.74	19.46	16.89	11.00	11.00	11.00	11.00	
B1	m	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	1.50	1.00	1.00	1.00	1.00	1.00	3.00	3.50	3.50	2.00	2.00	1.00	
H1	m	1.00	1.00	1.00	1.00	1.00	1.00	1.50	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	2.00	2.00	2.00	1.50	1.00	
B2	m	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.80	2.30	1.60	1.60	1.60	1.60	1.60	7.50	8.50	8.50	2.450	2.80	1.60	
H2	m	1.70	1.70	1.70	1.70	1.70	1.70	2.20	1.70	1.70	1.70	1.60	1.60	1.60	1.60	1.60	2.20	2.90	2.90	2.20	1.60	1.60	
S1	m	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.30	0.40	0.40	0.40	0.40	0.30	0.30	
S2	m	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.50	0.50	0.50	0.50	0.40	0.30	
S3	m	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.40	0.30	0.30	0.30	0.30	0.50	0.50	0.50	0.50	0.40	0.30	
h	m	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	0.20	
S4	m	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	0.500	
Ah	m	0.923	0.950	0.941	0.941	0.975	0.735	0.770	0.828	0.900	0.900	0.900	0.928	0.938	0.900	0.900	0.900	0.900	0.900	0.900	0.900	0.958	
Ls	m	0.000	1.719	2.561	0.000	0.000	0.000	0.000	0.000	0.000	2.106	1.292	0.000	0.000	2.115	1.620	2.480	1					

# GENERAL DRAWING OF BOX CULVERT (Box-36 at PK213+843)

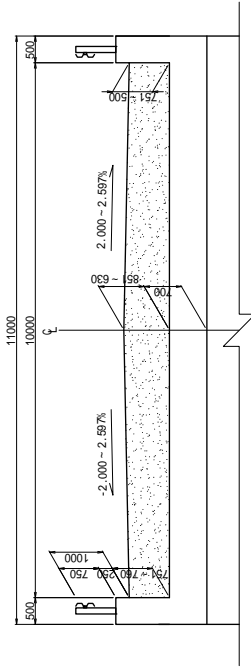
Side View S=1:500



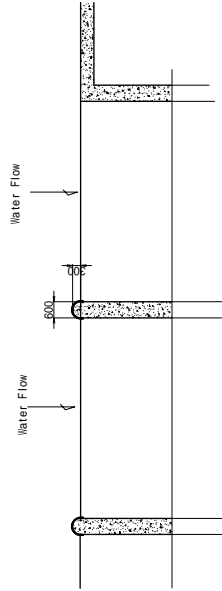
Cross Section S=1:150



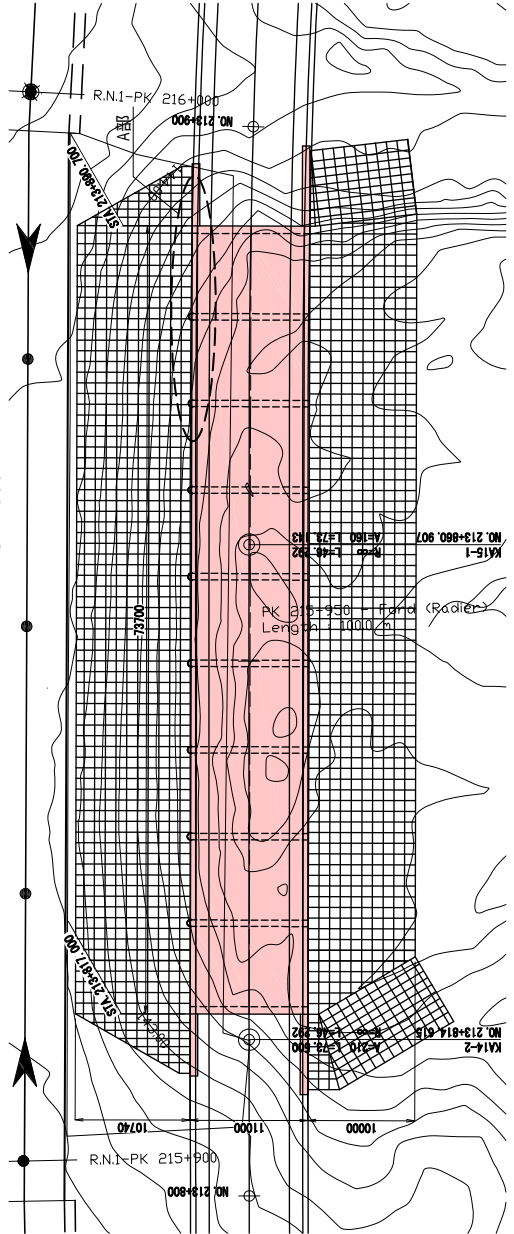
Pavement Details S=1:100



"A" Detail S=1:200



Plan S=1:500

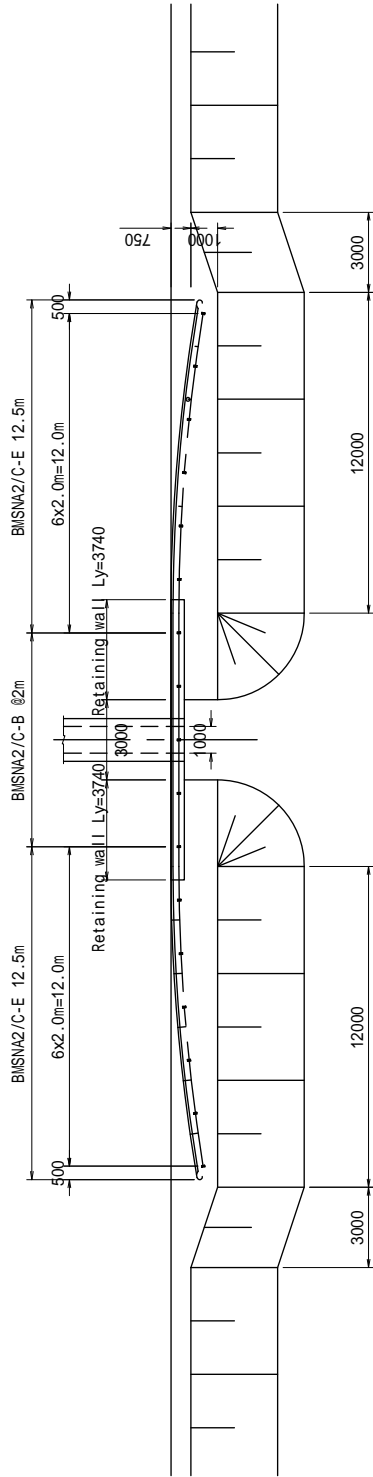


勾配	計画高	地面高	標点
1:1.20	145.234	141.85	K4-2 STA.213+817
1:1.20	145.102	139.65	K4-1-1
1:1.20	145.013	141.703	+890.7
1:1.20	144.988	144.57	+900



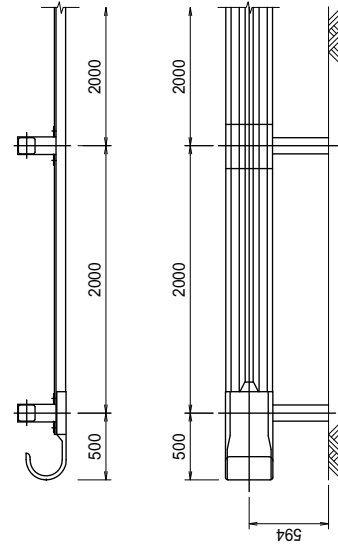
# STANDARD DRAWING OF GAURDRAIL

Plan S=1:200

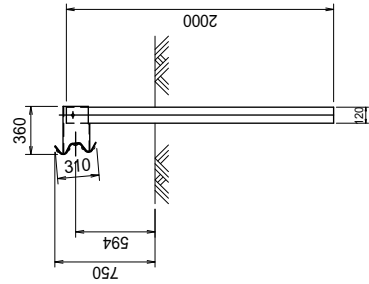


Structural Drawing S=1:40  
(BMSNA2/C-E, BMSNA2/C-B)

Front View



Side View



REPUBLIQUE DE DJIBOUTI  
MINISTRE DE L'EQUIPEMENT ET DES TRANSPORTS  
DIRECTION DE L'EQUIPEMENT



JAPAN INTERNATIONAL COOPERATION AGENCY  
YACHIO ENGINEERING CO., LTD.

THE PREPARATORY SURVEY FOR  
THE PROJECT FOR  
UPGRADING OF NATIONAL ROAD ROUTE 1  
IN THE REPUBLIC OF DJIBOUTI

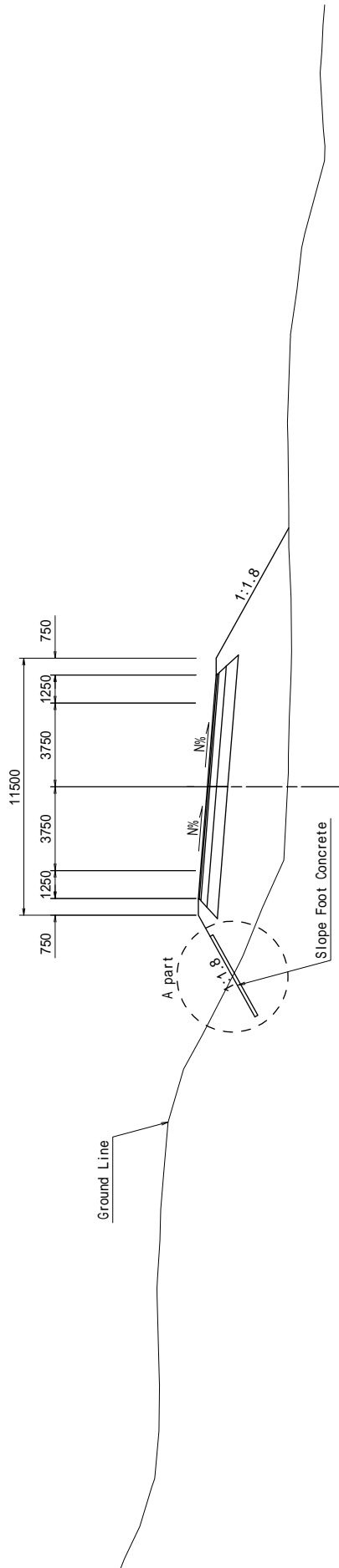
SHEET CONTENTS  
STANDARD DRAWING OF  
GAURDRAIL

SCALE  
DATE  
PAGE NO.

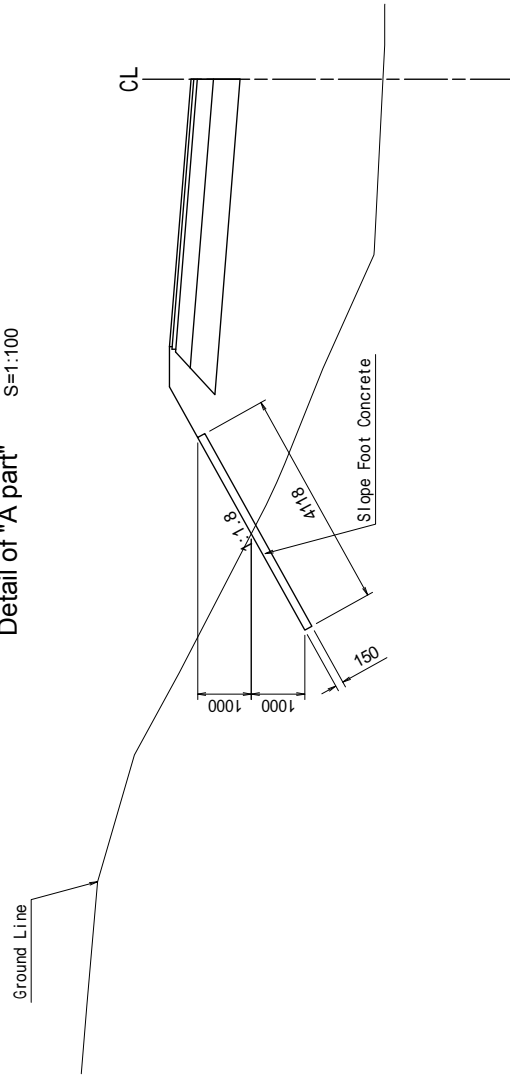
As Shown  
NOV/2018  
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# STANDARD DRAWING OF FOOT STRUCTURE OF SLOPE

Typical Cross Section S=1:200

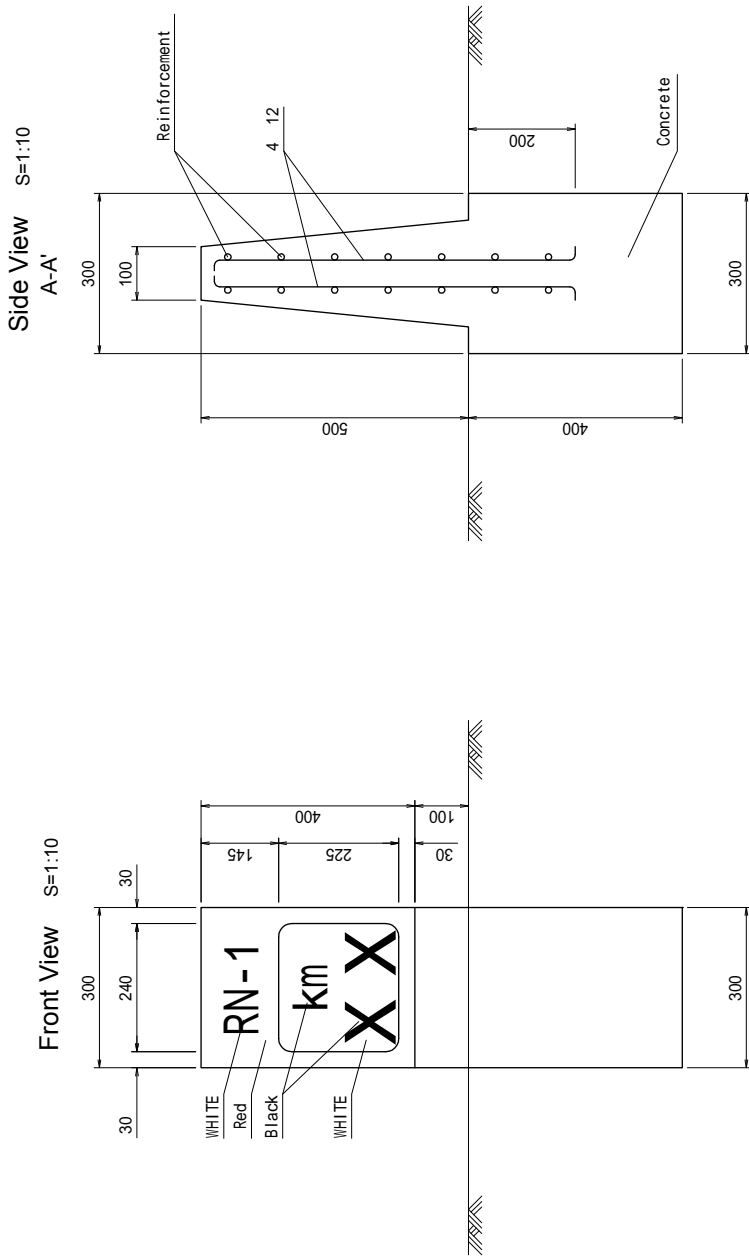


Detail of "A part" S=1:100

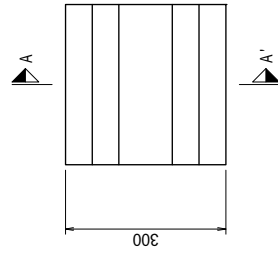


 REPUBLIQUE DE DJIBOUTI MINISTERE DE L'EQUIPEMENT ET DES TRANSPORTS DIRECTION DE L'EQUIPEMENT	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIYO ENGINEERING CO., LTD.	THE PREPARATORY SURVEY FOR THE PROJECT FOR UPGRADING OF NATIONAL ROAD ROUTE 1 IN THE REPUBLIC OF DJIBOUTI	SHEET CONTENTS	
			STANDARD DRAWING OF FOOT STRUCTURE OF SLOPE	SCALE DATE PAGE NO.

# STANDARD DRAWING OF PK POST



PLAN S=1:10



 REPUBLIQUE DE DJIBOUTI MINISTERE DE L'EQUIPEMENT ET DES TRANSPORTS DIRECTION DE L'EQUIPEMENT	 JAPAN INTERNATIONAL COOPERATION AGENCY YACHIO ENGINEERING CO., LTD.	THE PREPARATORY SURVEY FOR THE PROJECT FOR UPGRADING OF NATIONAL ROAD ROUTE 1 IN THE REPUBLIC OF DJIBOUTI	SHEET CONTENTS	
			DRAWING OF PK POST	
		SCALE	S=1:10	
		DATE	NOV 2018	
		PAGE NO.	128 / 131	