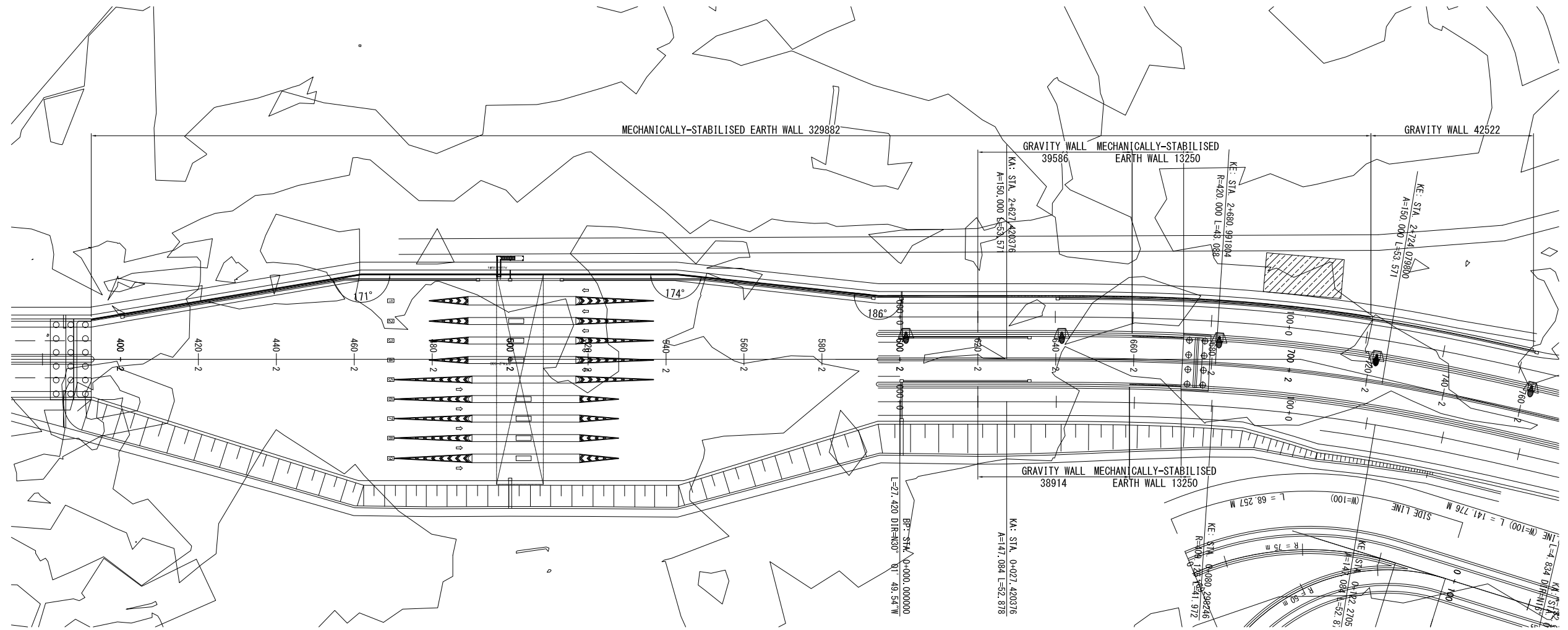


MECHANICALLY STABILISED EARTH WALL(1)

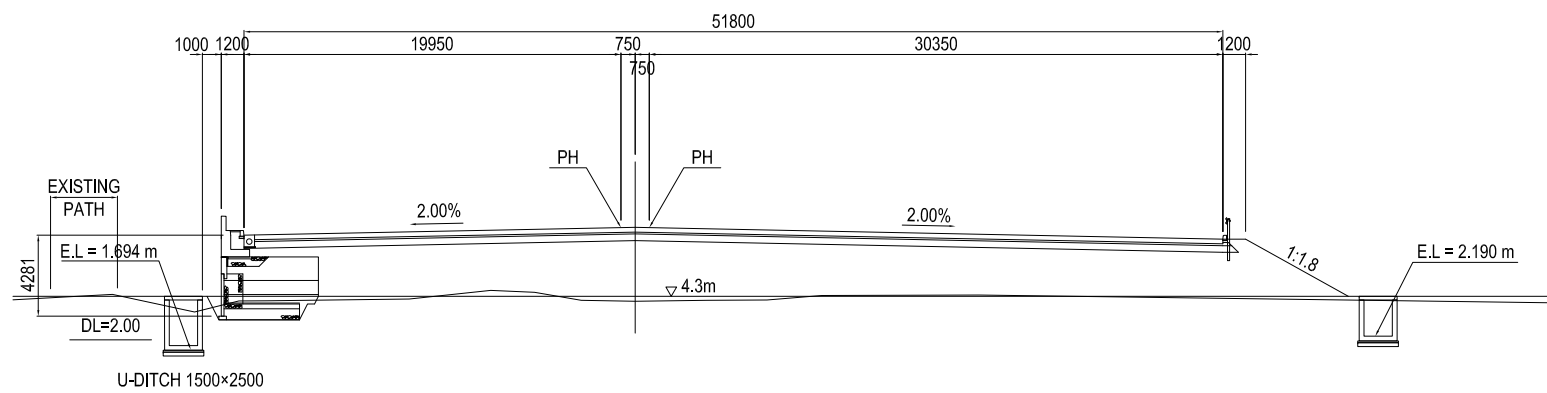
PLAN S=1:600
Toll Plaza~Approach road (STA. 2+390~2+760)



CROSS SECTION S=1:200

Toll Plaza~Approach road (STA. 2+388~2+600)

STA.2+480
GH=4.04
PH=7.930

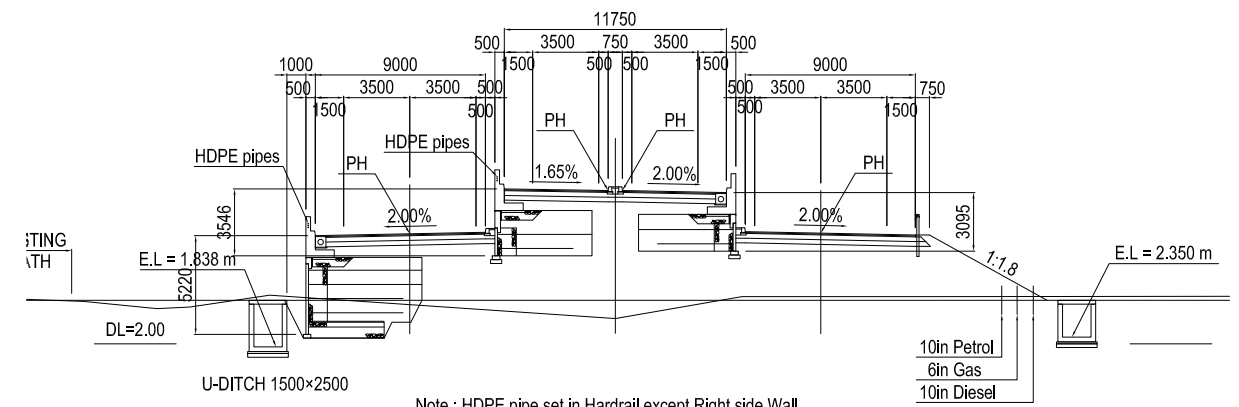


Main Load (STA. 2+600~2+672.686)

STA.2+660
GH=3.33
PH=10.105

STA.0+60.441 PH=7.820

STA.0+56.561 PH=7.856



Note : HDPE pipe set in Hardrail except Right side Wall.

PROJECT NAME
DETAILED DESIGN ON
BAGO RIVER BRIDGE
CONSTRUCTION PROJECT

FINANCED BY
JICA
JAPAN INTERNATIONAL
COOPERATION AGENCY

COUNTERPART
REPUBLIC OF THE UNION OF MYANMAR
MINISTRY OF CONSTRUCTION
DEPARTMENT OF BRIDGE

JICA STUDY TEAM
NIPPON KOEI CO., LTD.
ORIENTAL CONSULTANTS GLOBAL CO., LTD.
METROPOLITAN EXPRESSWAY COMPANY LIMITED
CHODAI CO., LTD.
NIPPON ENGINEERING CONSULTANTS CO., LTD.

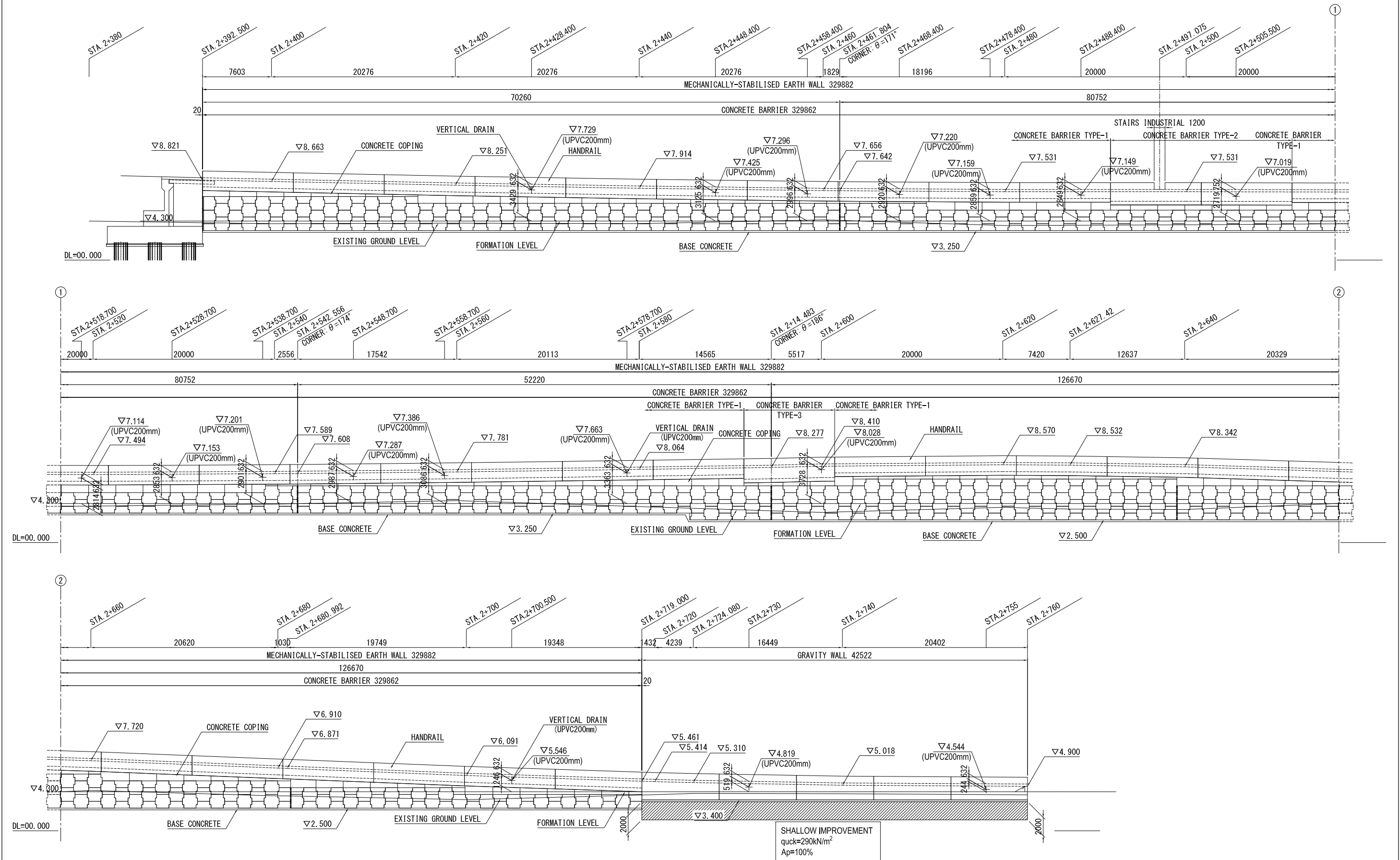
	NAME	SIGNATURE	DATE
PREPARED BY	J.TSUCHIYA	土津 潤	15 Jun. 2017
CHECKED BY	T. HAYAKAWA	平川 知那	20 Jun. 2017
APPROVED BY	Y. SANO	佐野 祐一	21 Jun. 2017

DRAWING TITLE
MECHANICALLY STABILISED EARTH WALL(1)

PACKAGE
2
DWG No.
P2-RD-4000

MECHANICALLY STABILISED EARTH WALL(2)

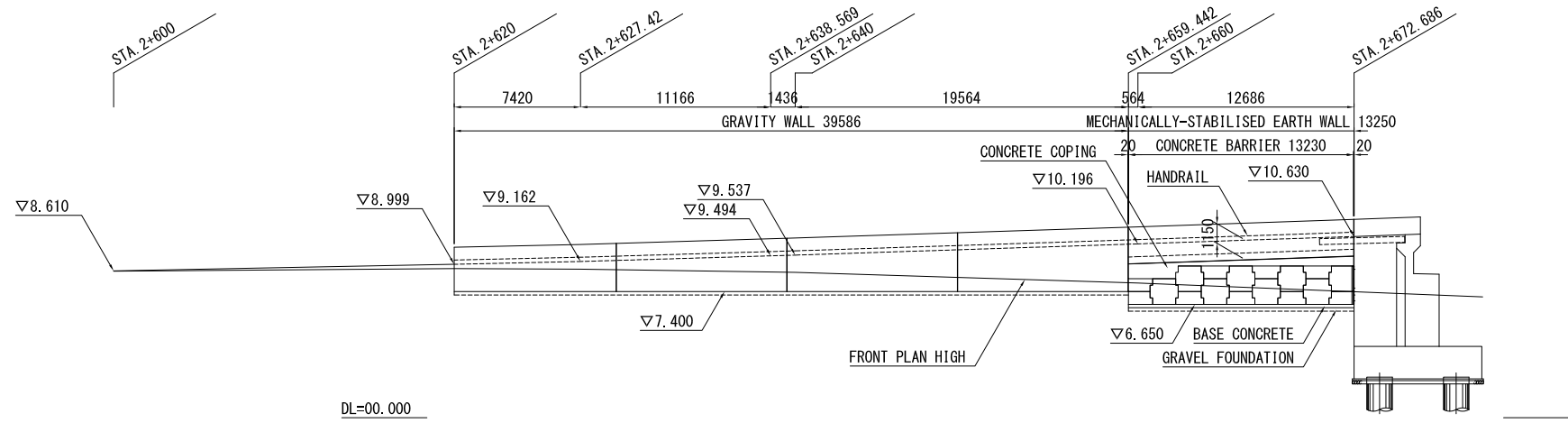
LEFT SIDE (DEVELOP FROM BACK SIDE) S=1:200
Toll Plaza Approach road (STA. 2+390~2+760)



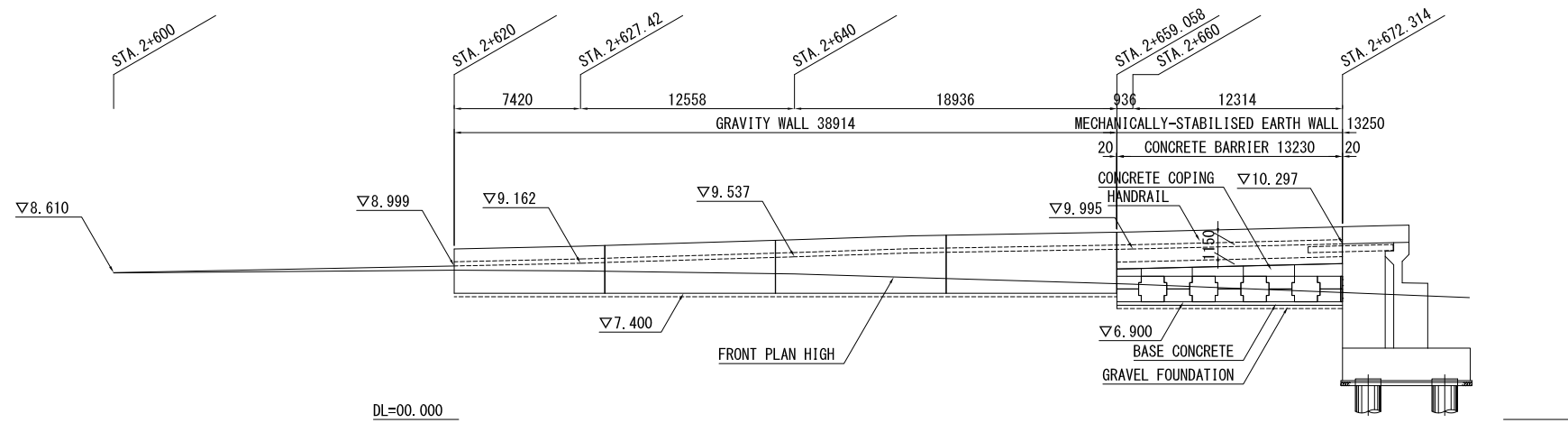
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MECHANICALLY STABILISED EARTH WALL(2)	PACKAGE	
				PREPARED BY	J.TSUCHIYA			15 Jun. 2017	DWG No.
				CHECKED BY	T. HAYAKAWA			20 Jun. 2017	P2-RD-4010
				APPROVED BY	Y. SANO			21 Jun. 2017	

MECHANICALLY STABILISED EARTH WALL(3)

LEFT SIDE (DEVELOP FROM BACK SIDE) S=1:200
Main Load (STA. 2+600~2+672.686)



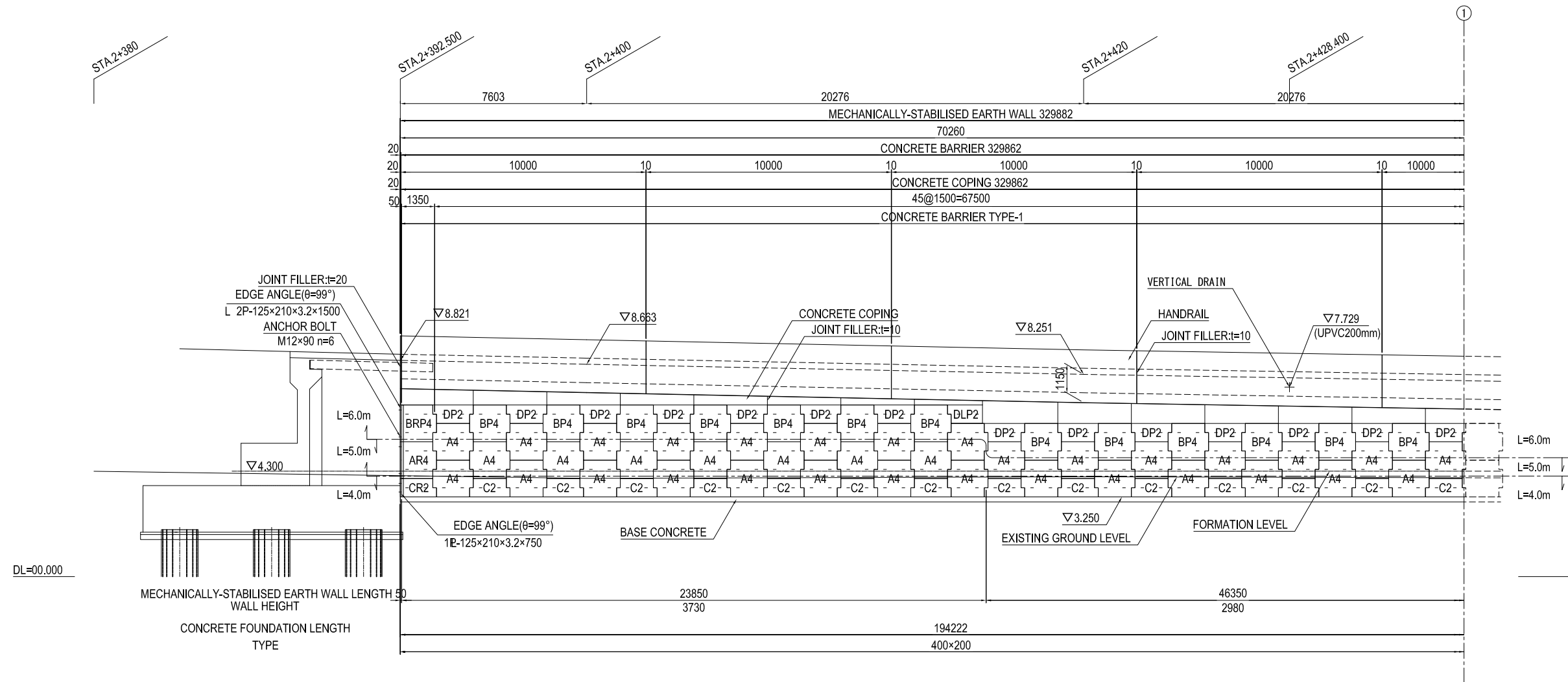
RIGHT SIDE S=1:200
Main road (STA. 2+600~2+672.314)



PROJECT NAME	FINANCED BY	COUNTERPART	JICA STUDY TEAM	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE
DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY	REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	PREPARED BY CHECKED BY APPROVED BY	J.TSUCHIYA T. HAYAKAWA Y. SANO	15 Jun. 2017 20 Jun. 2017 21 Jun. 2017	MECHANICALLY STABILISED EARTH WALL(3)	2 DWG No. P2-RD-4020

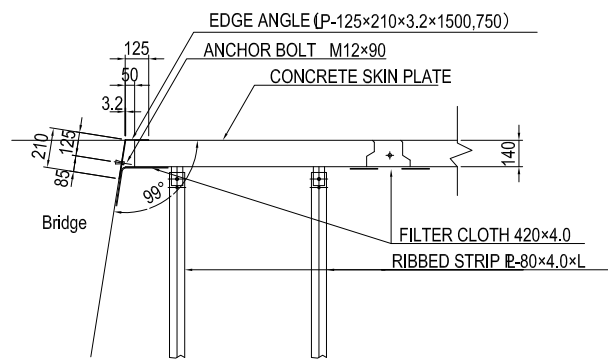
MECHANICALLY STABILISED EARTH WALL(4)

LEFT SIDE (DEVELOP FROM BACK SIDE) S=1:200
Toll Plaza~Approach road (STA. 2+390~2+760)

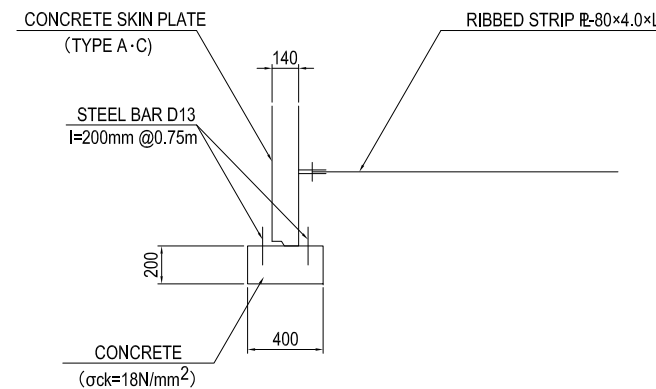


NOTE)
1) The mark "L" indicates the length of steel strip determined by the stability calculation.
2) Wall length indicates the length of wall surface.

EDGE DETAIL DRAWING S=1:40

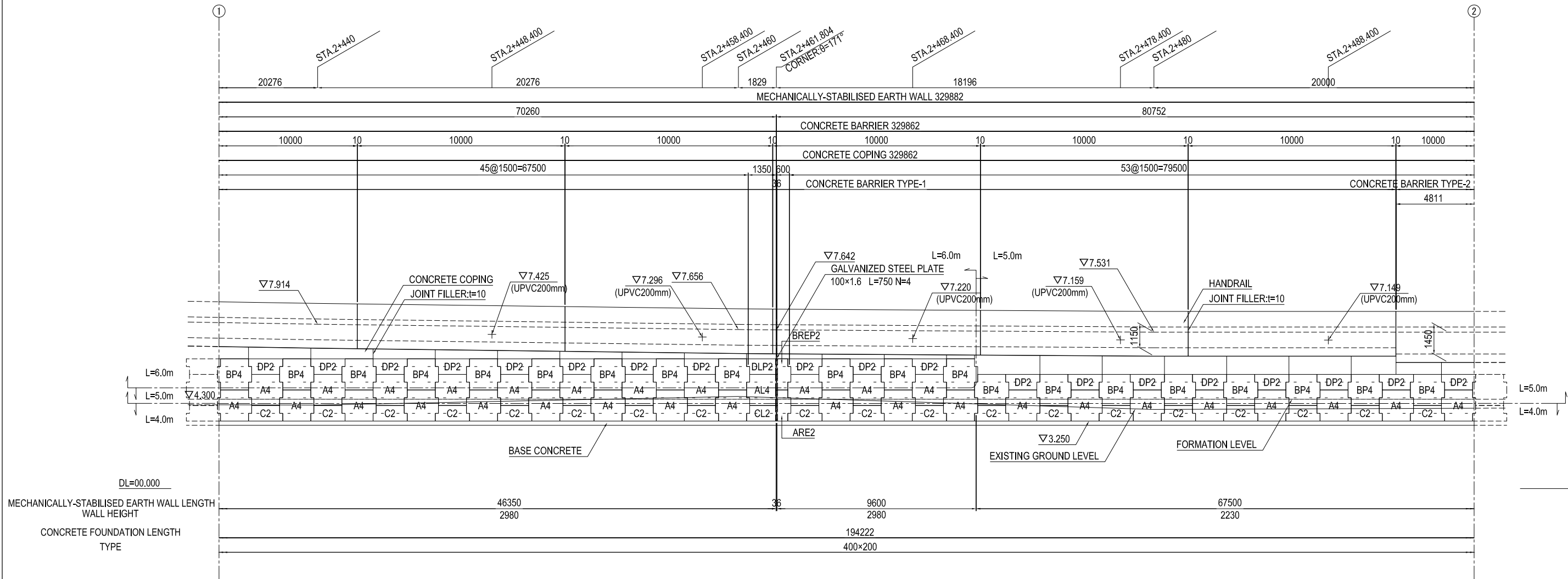


CONCRETE FOUNDATION DRAWING S=1:40



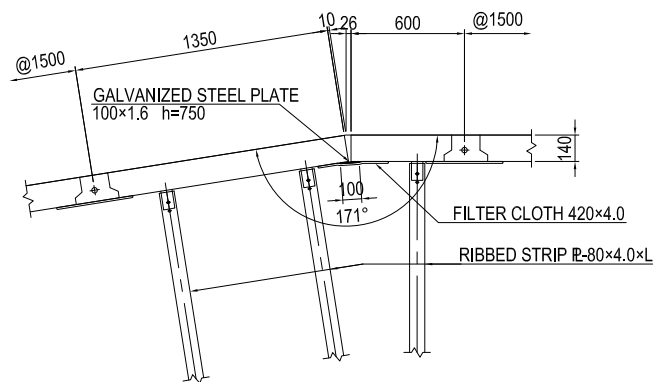
MECHANICALLY STABILISED EARTH WALL(5)

LEFT SIDE (DEVELOP FROM BACK SIDE) S=1:200
Toll Plaza Approach road (STA. 2+390~2+760)



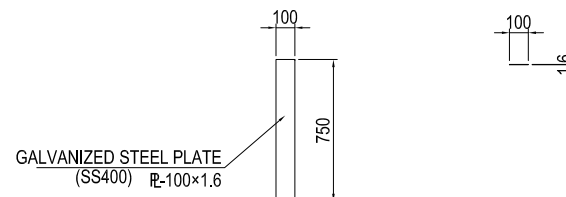
- NOTE)
- 1) The mark "L" indicates the length of steel strip determined by the stability calculation.
 - 2) Wall length indicates the length of wall surface.

JOINT DETAIL DRAWING S=1:40
($\theta=171^\circ$)



GALVANIZED STEEL PLATE S=1:40

FRONT VIEW DRAWING CROSS SECTION



PROJECT NAME
DETAILED DESIGN ON
BAGO RIVER BRIDGE
CONSTRUCTION PROJECT

FINANCED BY
JICA
JAPAN INTERNATIONAL
COOPERATION AGENCY

COUNTERPART
REPUBLIC OF THE UNION OF MYANMAR
MINISTRY OF CONSTRUCTION
DEPARTMENT OF BRIDGE

JICA STUDY TEAM
NIPPON KOEI CO., LTD.
ORIENTAL CONSULTANTS GLOBAL CO., LTD.
METROPOLITAN EXPRESSWAY COMPANY LIMITED
CHODAI CO., LTD.
NIPPON ENGINEERING CONSULTANTS CO., LTD.

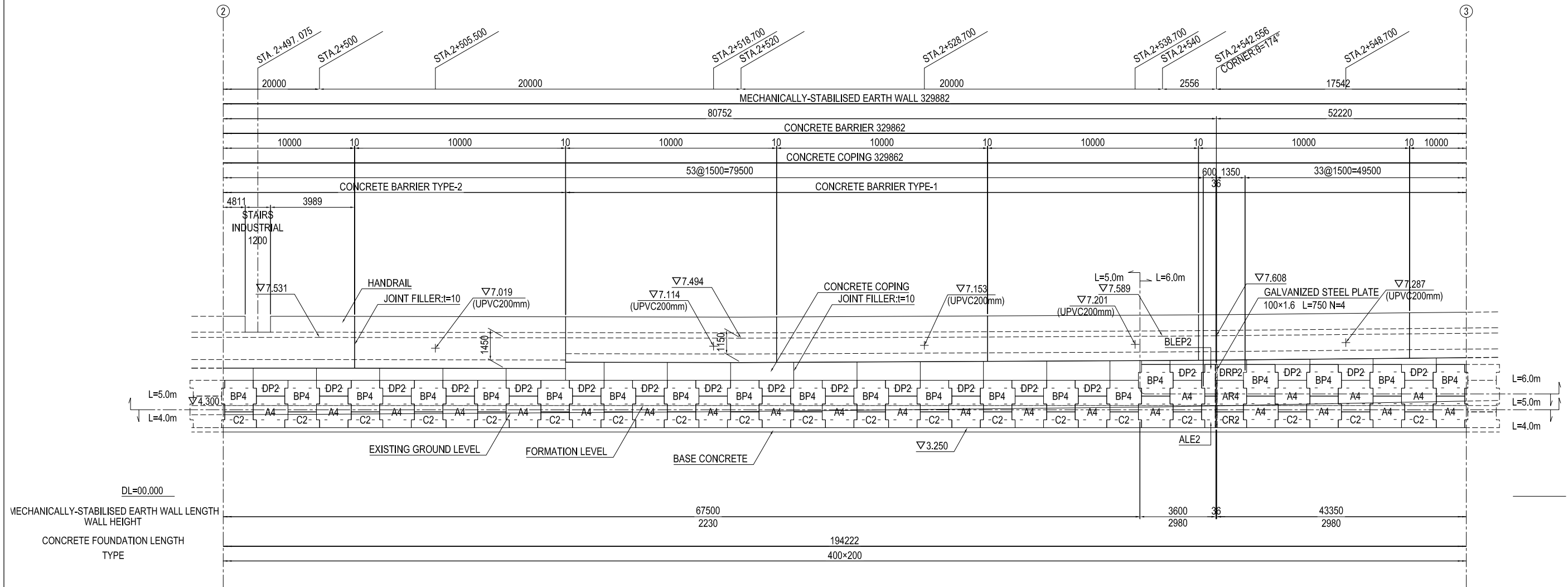
	NAME	SIGNATURE	DATE
PREPARED BY	J.TSUCHIYA	土屋 潤	15 Jun. 2017
CHECKED BY	T. HAYAKAWA	平川 知那	20 Jun. 2017
APPROVED BY	Y. SANO	佐野 祐一	21 Jun. 2017

DRAWING TITLE
MECHANICALLY STABILISED EARTH WALL(5)

PACKAGE
2
DWG No.
P2-RD-4040

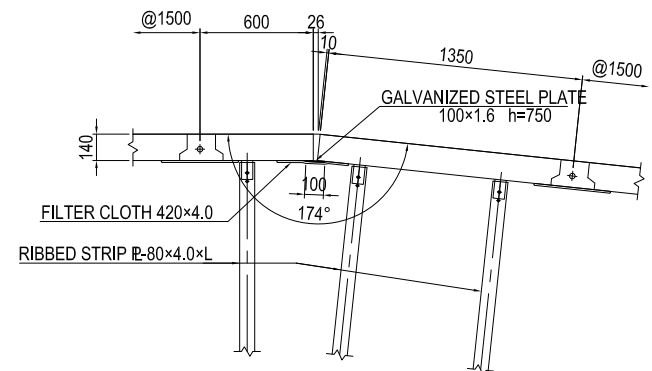
MECHANICALLY STABILISED EARTH WALL(6)

LEFT SIDE (DEVELOP FROM BACK SIDE) S=1:200
Toll Plaza Approach road (STA. 2+390~2+760)



NOTE)
1) The mark "L" indicates the length of steel strip determined by the stability calculation.
2) Wall length indicates the length of wall surface.

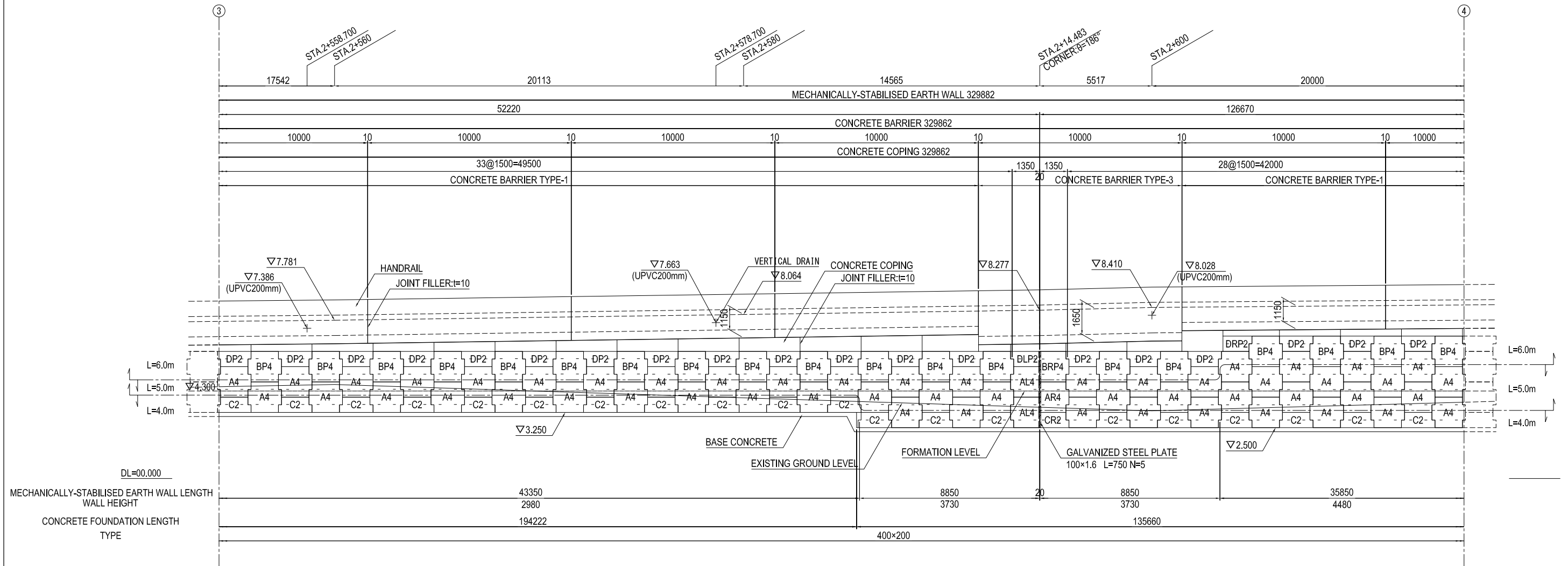
JOINT DETAIL DRAWING S=1:40
($\theta=174^\circ$)



PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MECHANICALLY STABILISED EARTH WALL(6)	PACKAGE	
				PREPARED BY	J.TSUCHIYA			15 Jun. 2017	2
				CHECKED BY	T. HAYAKAWA			20 Jun. 2017	DWG No.
				APPROVED BY	Y. SANO			21 Jun. 2017	P2-RD-4050

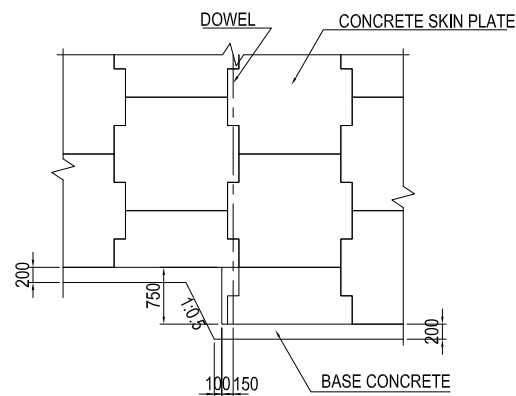
MECHANICALLY STABILISED EARTH WALL(7)

LEFT SIDE (DEVELOP FROM BACK SIDE) S=1:200
Toll Plaza Approach road (STA. 2+390~2+760)

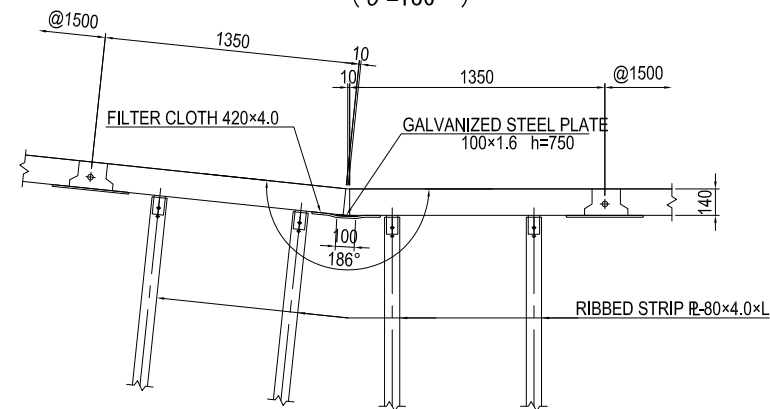


NOTE)
1) The mark "L" indicates the length of steel strip determined by the stability calculation.
2) Wall length indicates the length of wall surface.

STEP DETAIL DRAWING S=1:100

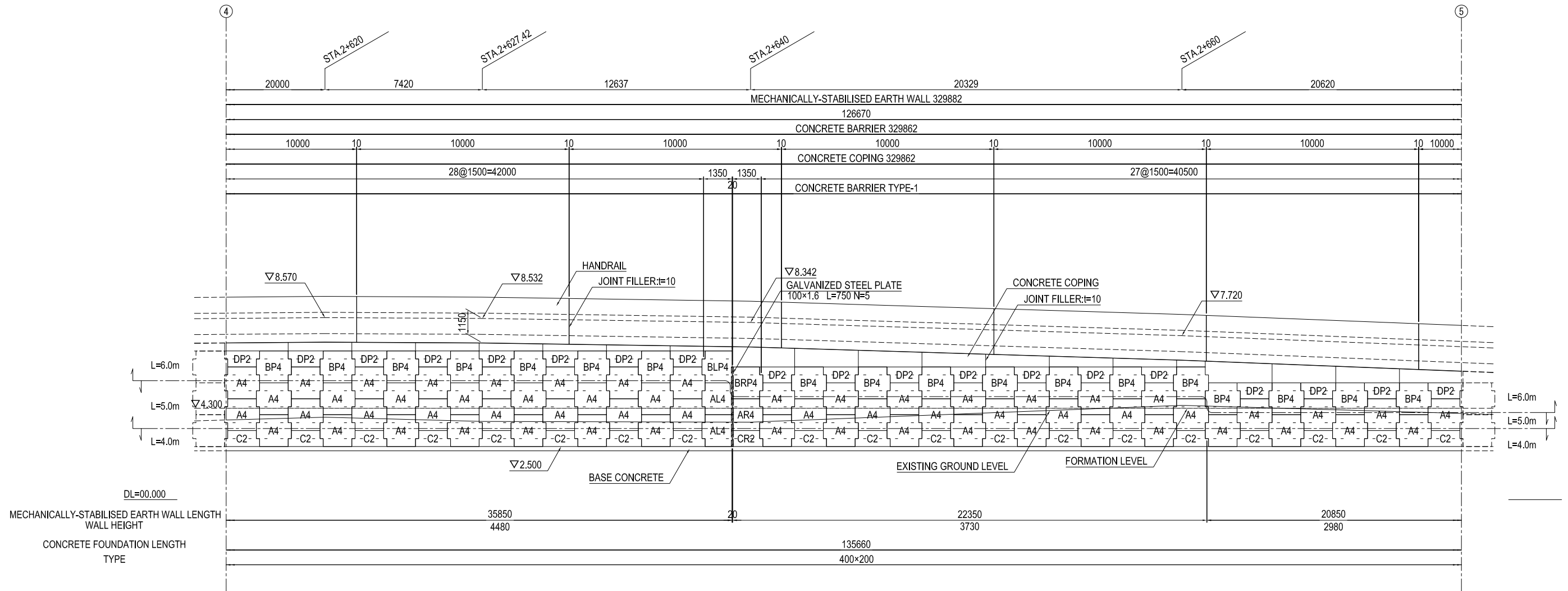


JOINT DETAIL DRAWING S=1:40
($\theta = 186^\circ$)



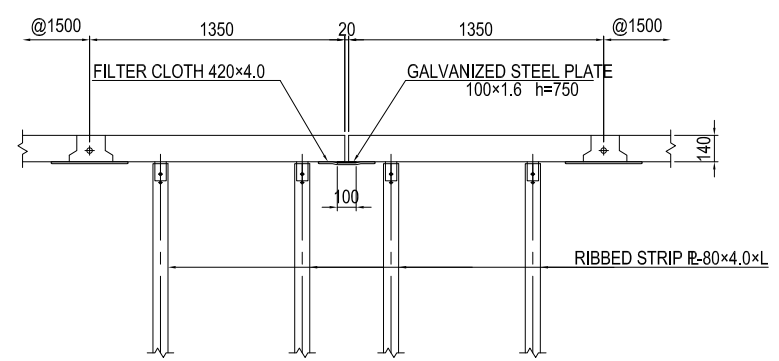
MECHANICALLY STABILISED EARTH WALL(8)

LEFT SIDE (DEVELOP FROM BACK SIDE) S=1:200
Toll Plaza Approach road (STA. 2+390~2+760)



NOTE)
1) The mark "L" indicates the length of steel strip determined by the stability calculation.
2) Wall length indicates the length of wall surface.

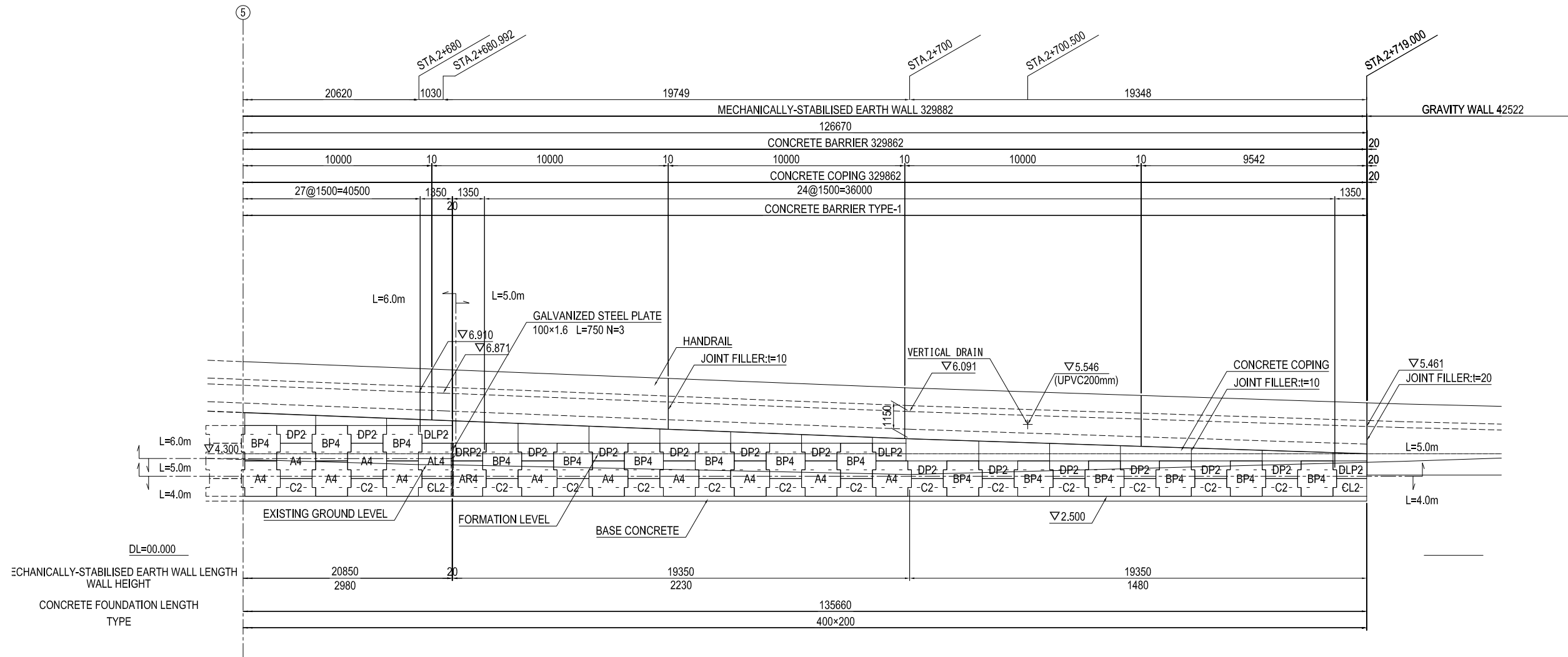
JOINT DETAIL DRAWING S=1:40



PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MECHANICALLY STABILISED EARTH WALL(8)	PACKAGE	
				PREPARED BY	J.TSUCHIYA	土津 潤		15 Jun. 2017	2
				CHECKED BY	T. HAYAKAWA	平川 知那		20 Jun. 2017	DWG No.
				APPROVED BY	Y. SANO	佐野 祐一		21 Jun. 2017	P2-RD-4070

MECHANICALLY STABILISED EARTH WALL(9)

LEFT SIDE (DEVELOP FROM BACK SIDE) S=1:200
Toll Plaza Approach road (STA. 2+390~2+760)



NOTE)

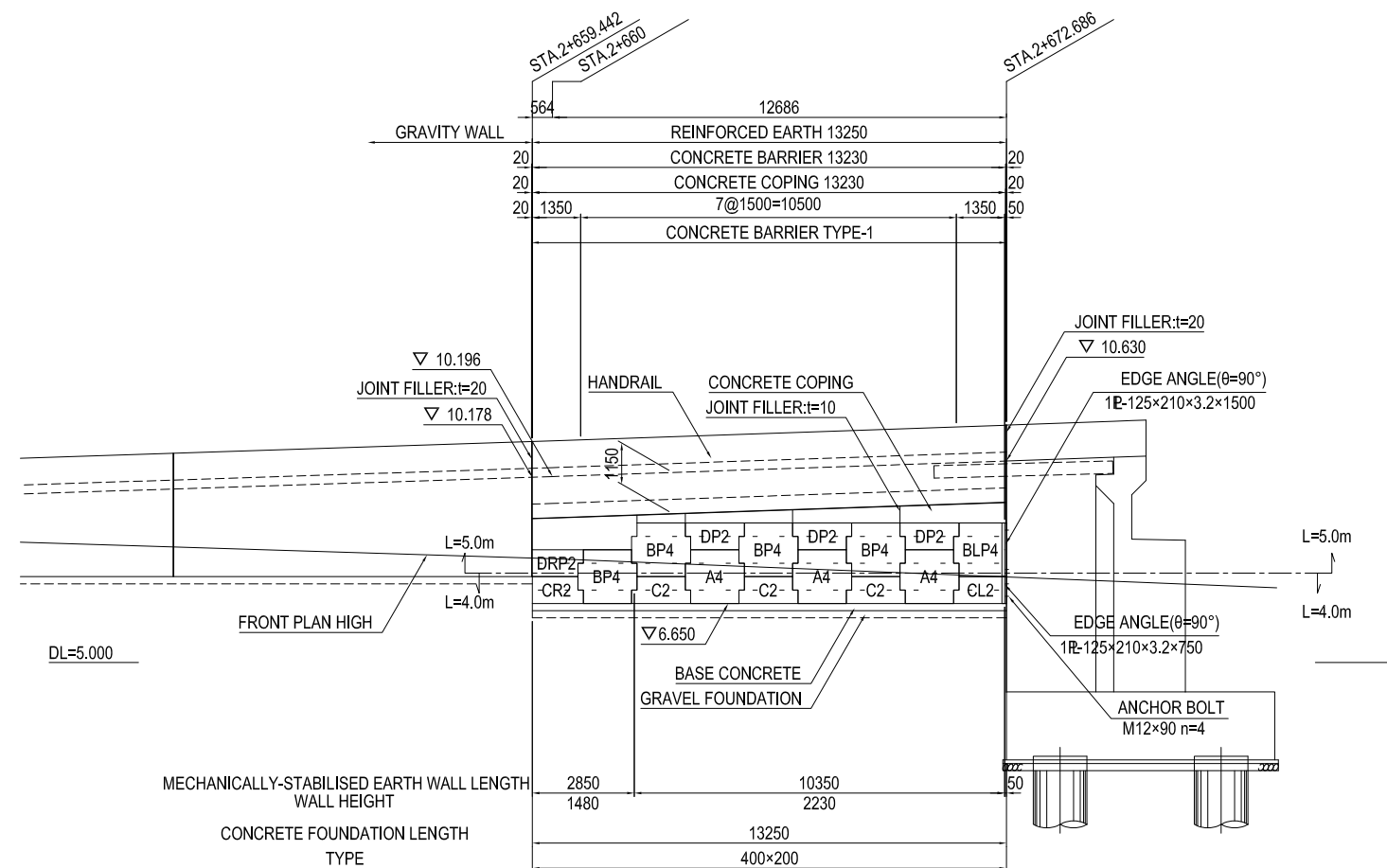
- 1) The mark "L" indicates the length of steel strip determined by the stability calculation.
- 2) Wall length indicates the length of wall surface.

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MECHANICALLY STABILISED EARTH WALL(9)	PACKAGE	
				PREPARED BY	J.TSUCHIYA			15 Jun. 2017	2
				CHECKED BY	T. HAYAKAWA			20 Jun. 2017	DWG No.
				APPROVED BY	Y. SANO			21 Jun. 2017	P2-RD-4080

MECHANICALLY STABILISED EARTH WALL(10)

LEFT SIDE (DEVELOP FROM BACK SIDE) S=1:200

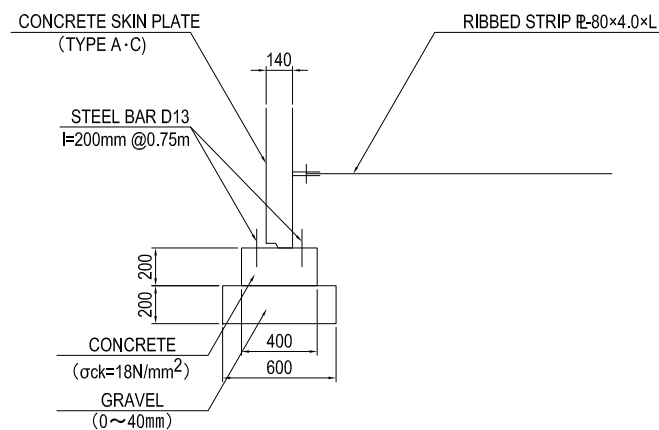
Main Load (STA. 2+600~2+672.686)



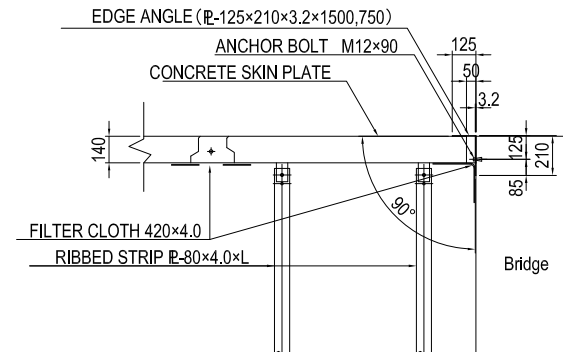
NOTE)

- 1) The mark "L" indicates the length of steel strip determined by the stability calculation.
- 2) Wall length indicates the length of wall surface.

CONCRETE FOUNDATION DRAWING S=1:40



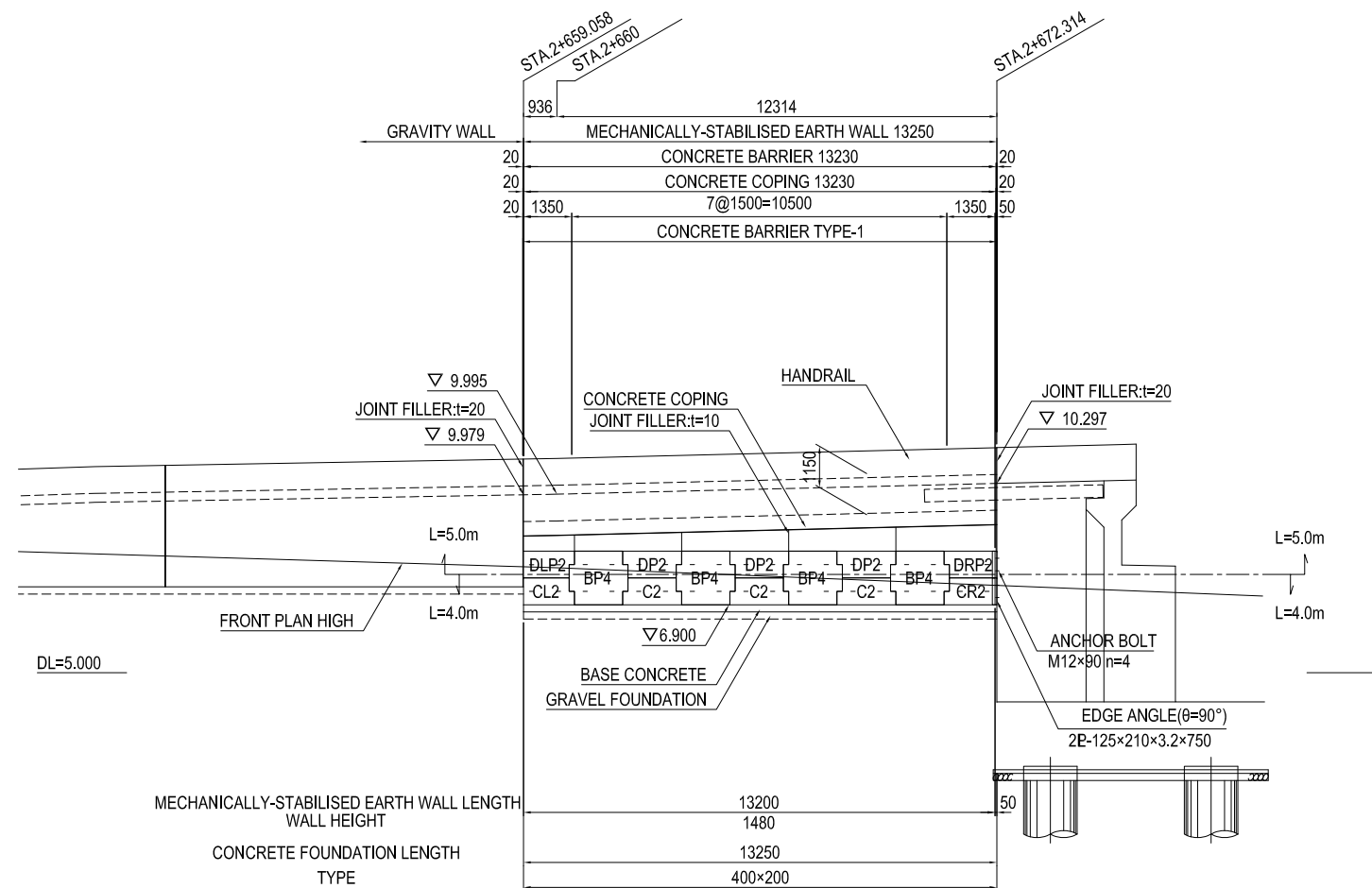
EDGE DETAIL DRAWING S=1:40



PROJECT NAME	FINANCED BY	COUNTERPART	JICA STUDY TEAM	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE
DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY	REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	J.TSUCHIYA	土屋 潤	15 Jun. 2017	MECHANICALLY STABILISED EARTH WALL(10)	2
				T. HAYAKAWA	平川 知那	20 Jun. 2017		DWG No.
				Y. SANO	佐野 祐一	21 Jun. 2017		P2-RD-4090

MECHANICALLY STABILISED EARTH WALL(11)

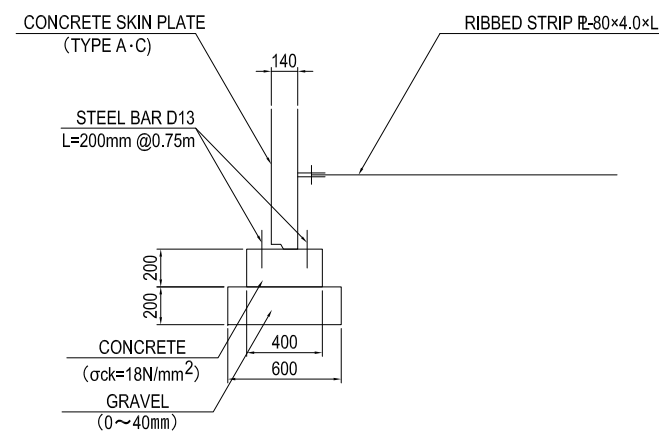
RIGHT SIDE S=1:200
Main road (STA. 2+600~2+672.314)



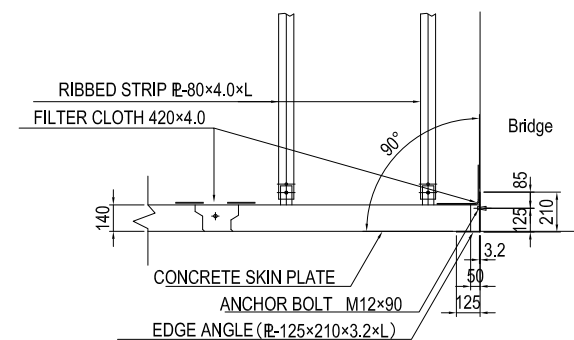
NOTE)

- 1) The mark "L" indicates the length of steel strip determined by the stability calculation.
- 2) Wall length indicates the length of wall surface.

CONCRETE FOUNDATION DRAWING S=1:40



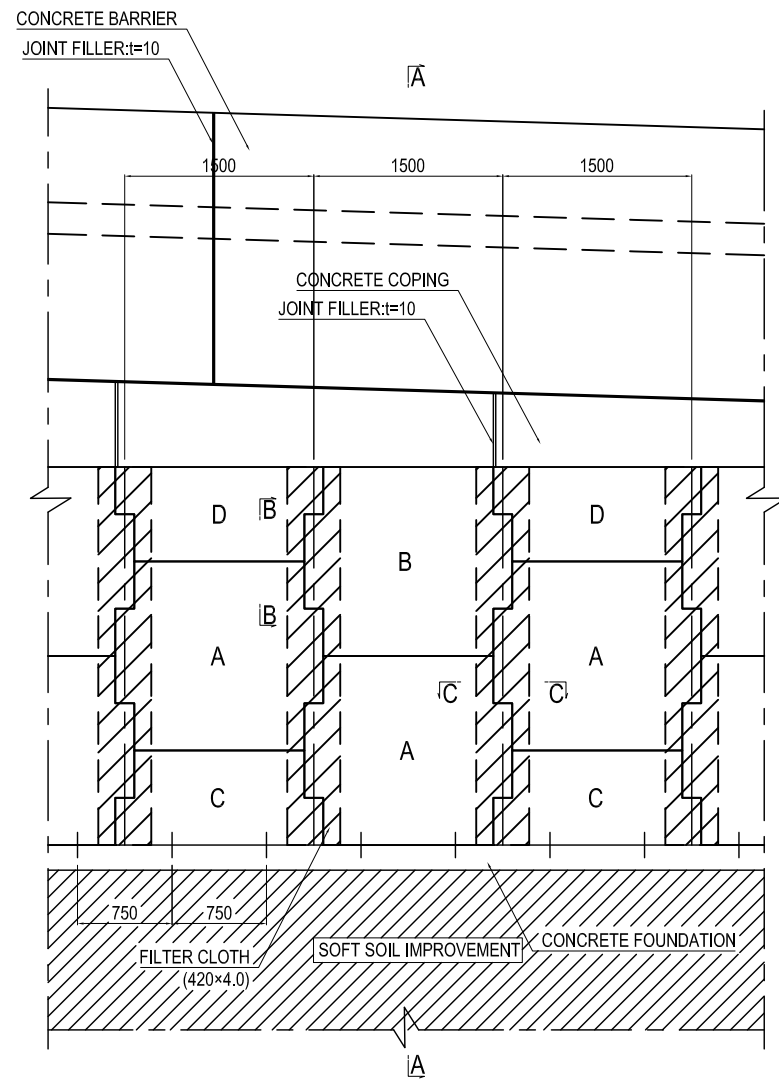
EDGE DETAIL DRAWING S=1:40



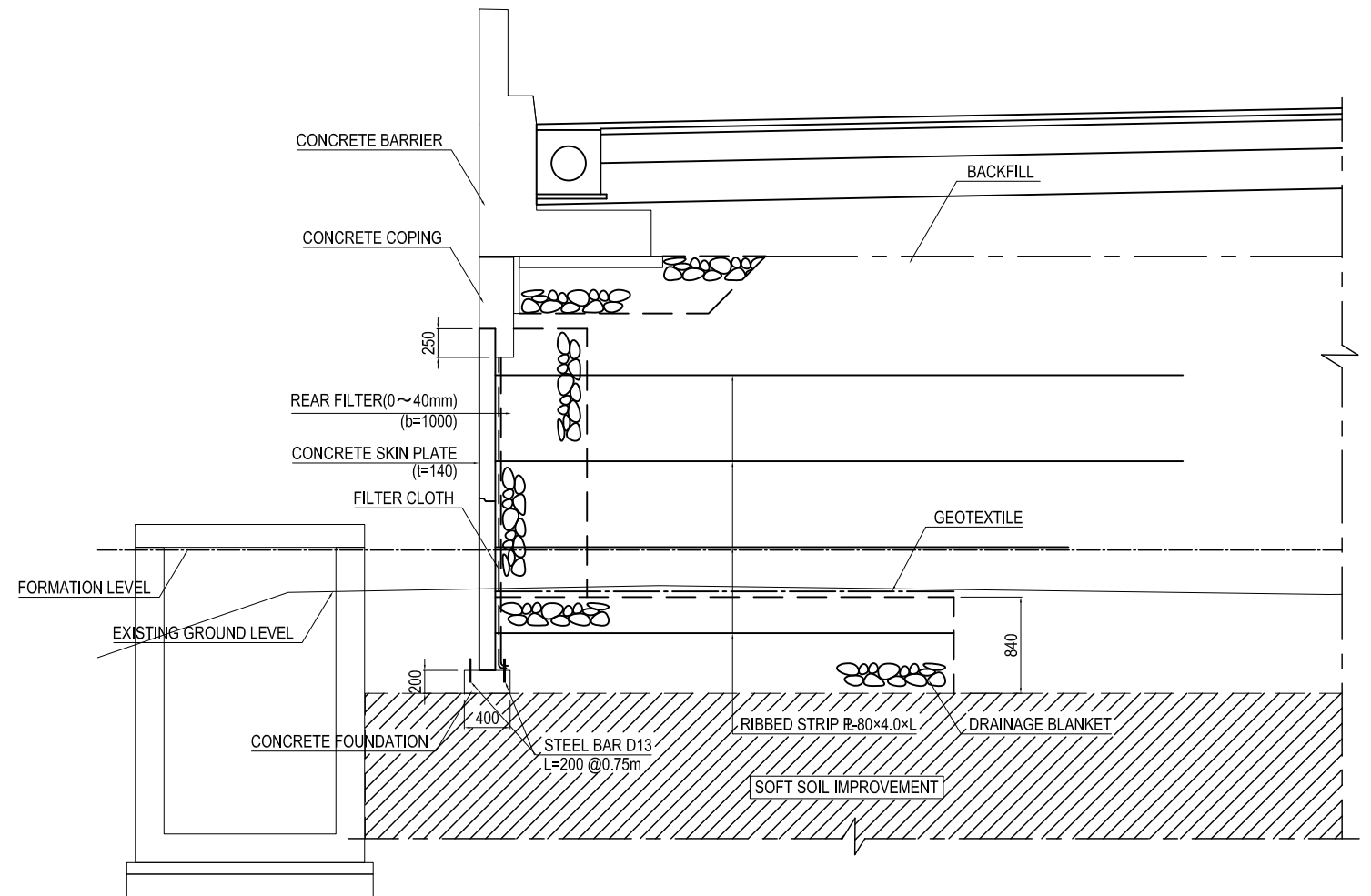
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE MECHANICALLY STABILISED EARTH WALL(11)	PACKAGE	
				PREPARED BY	J.TSUCHIYA			15 Jun. 2017	2
				CHECKED BY	T. HAYAKAWA			20 Jun. 2017	DWG No.
				APPROVED BY	Y. SANO			21 Jun. 2017	P2-RD-4100

DETAIL OF MECHANICALLY STABILISED EARTH WALL(1)

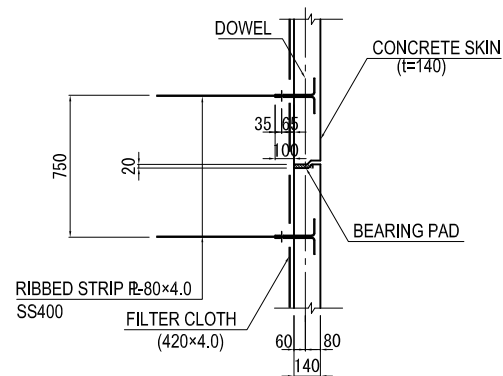
SKIN ARRANGEMENT S=1:60



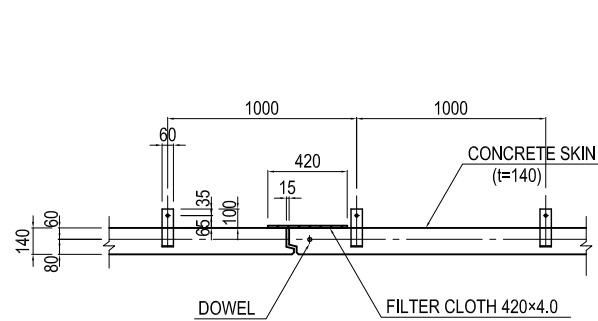
A-A CROSS SECTION S=1:60



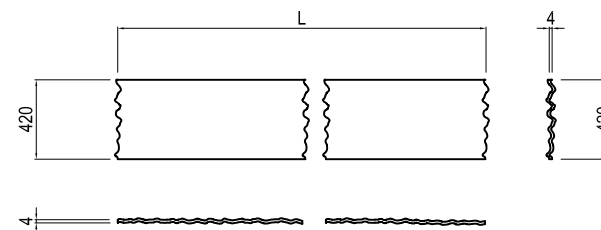
B-B CROSS SECTION S=1:40



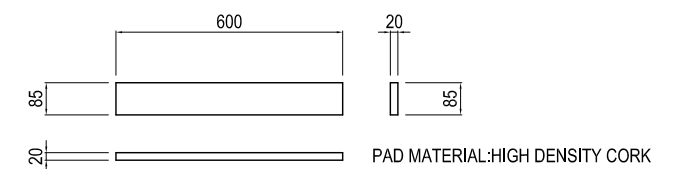
C-C CROSS SECTION S=1:40



FILTER CLOTH S=1:40



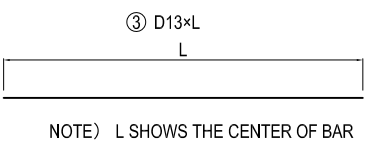
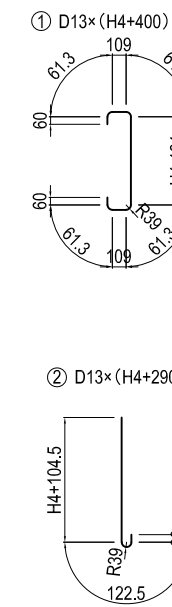
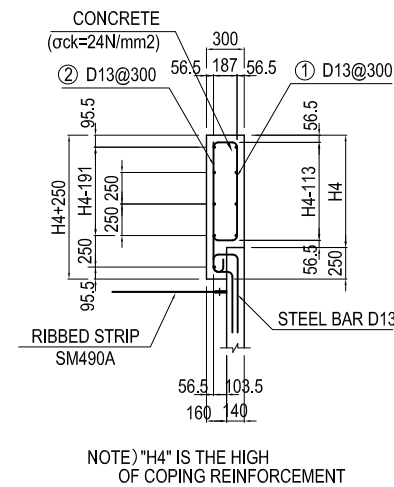
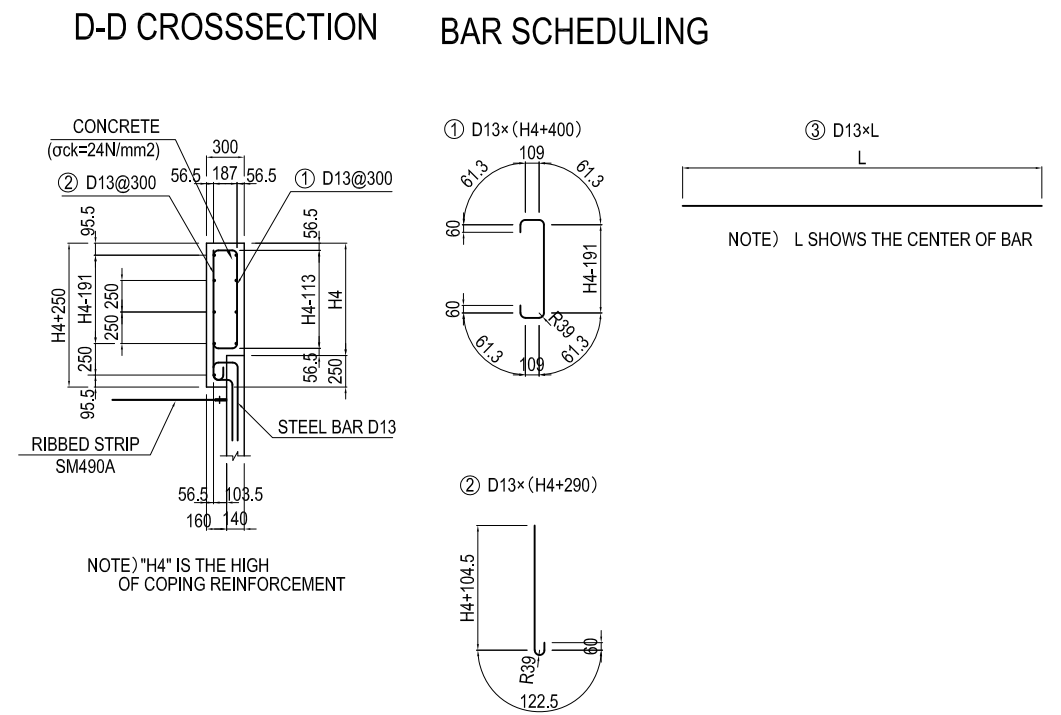
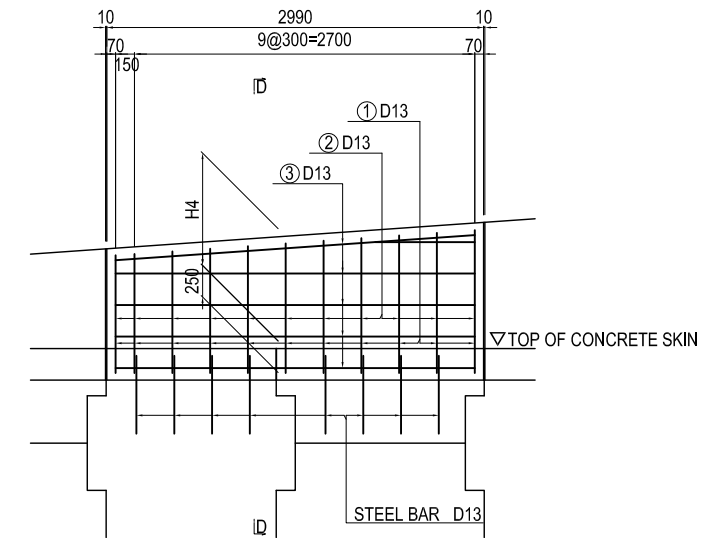
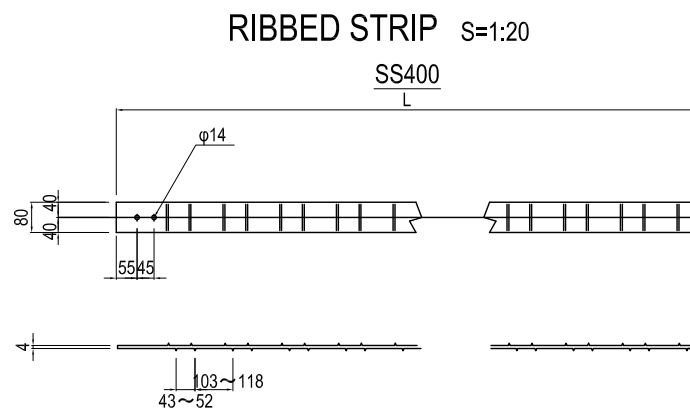
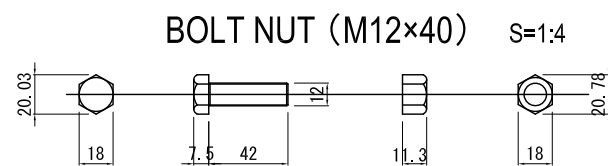
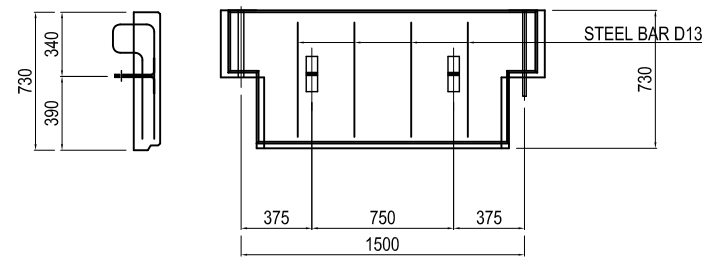
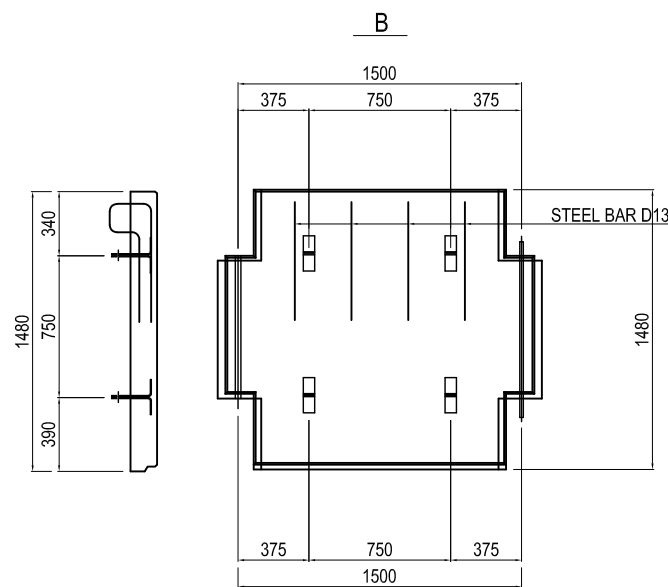
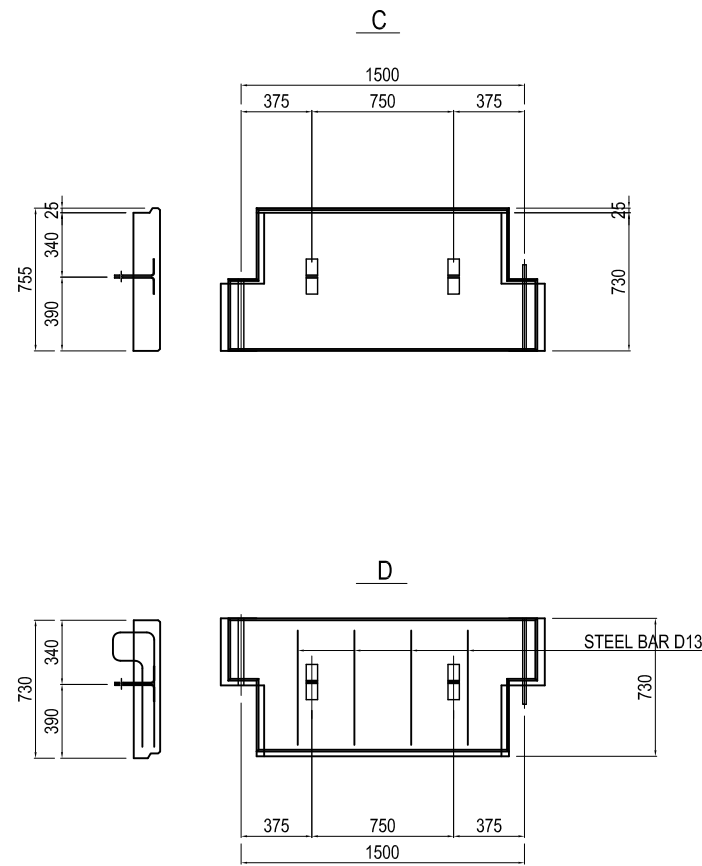
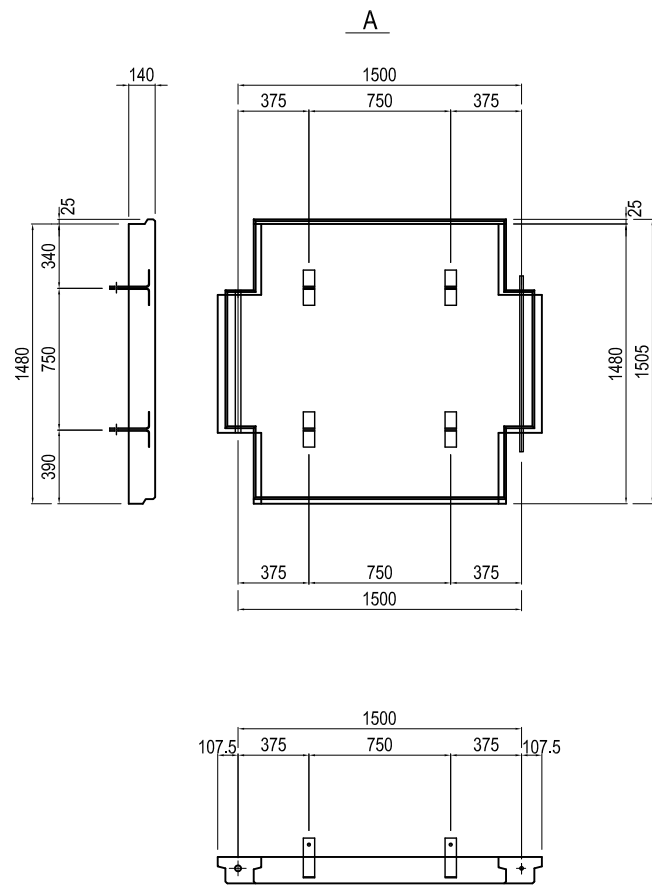
BEARING PAD S=1:20



DETAIL OF MECHANICALLY STABILISED EARTH WALL(2)

TYPE OF CONCRETE SKIN S=1:40

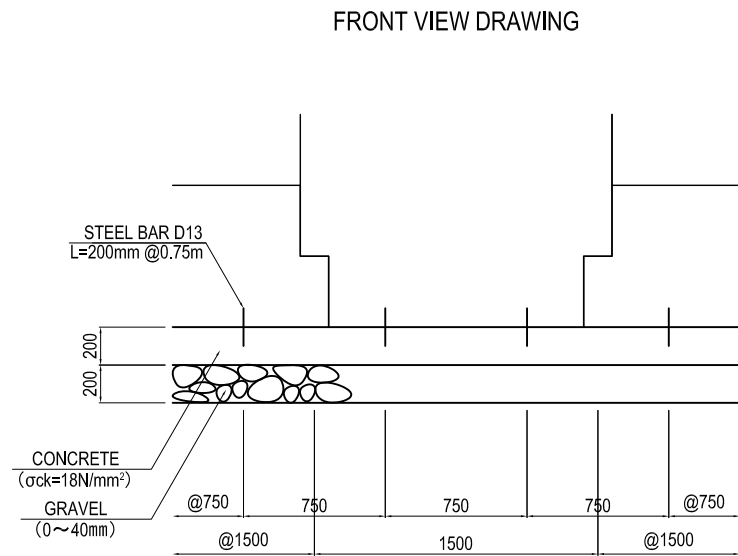
COPING REINFORCEMENT S=1:60



PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE DETAIL OF MECHANICALLY STABILISED EARTH WALL(2)	PACKAGE	
				PREPARED BY	J.TSUCHIYA	土屋 潤		15 Jun. 2017	2
				CHECKED BY	T. HAYAKAWA	平川 知那		20 Jun. 2017	DWG No.
				APPROVED BY	Y. SANO	佐野 祐一		21 Jun. 2017	P2-RD-4120

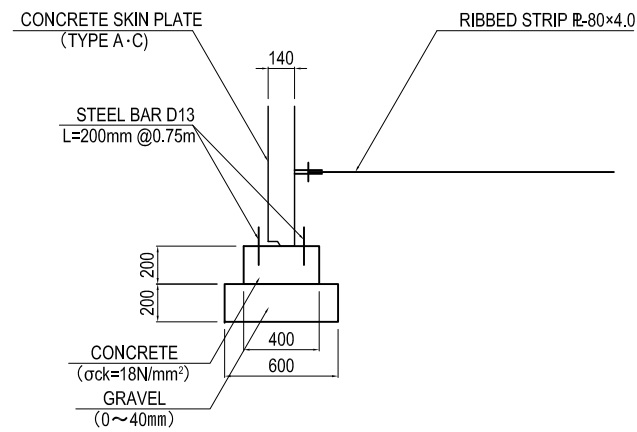
DETAIL OF MECHANICALLY STABILISED EARTH WALL(3)

CONCRETE FOUNDATION DRAWING S=1:40



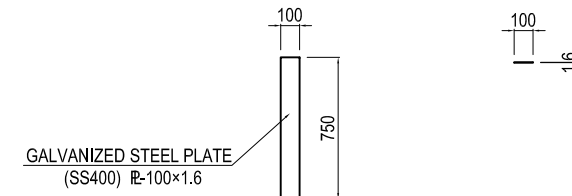
NOTE) 1. FOUNDATION WORK OF TOP FINISH:TROWEL FINISH

CROSS SECTION



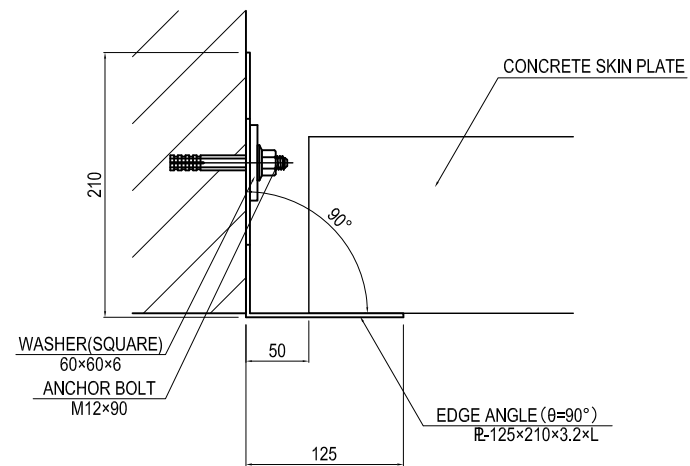
GALVANIZED STEEL PLATE S=1:40

FRONT VIEW DRAWING CROSS SECTION



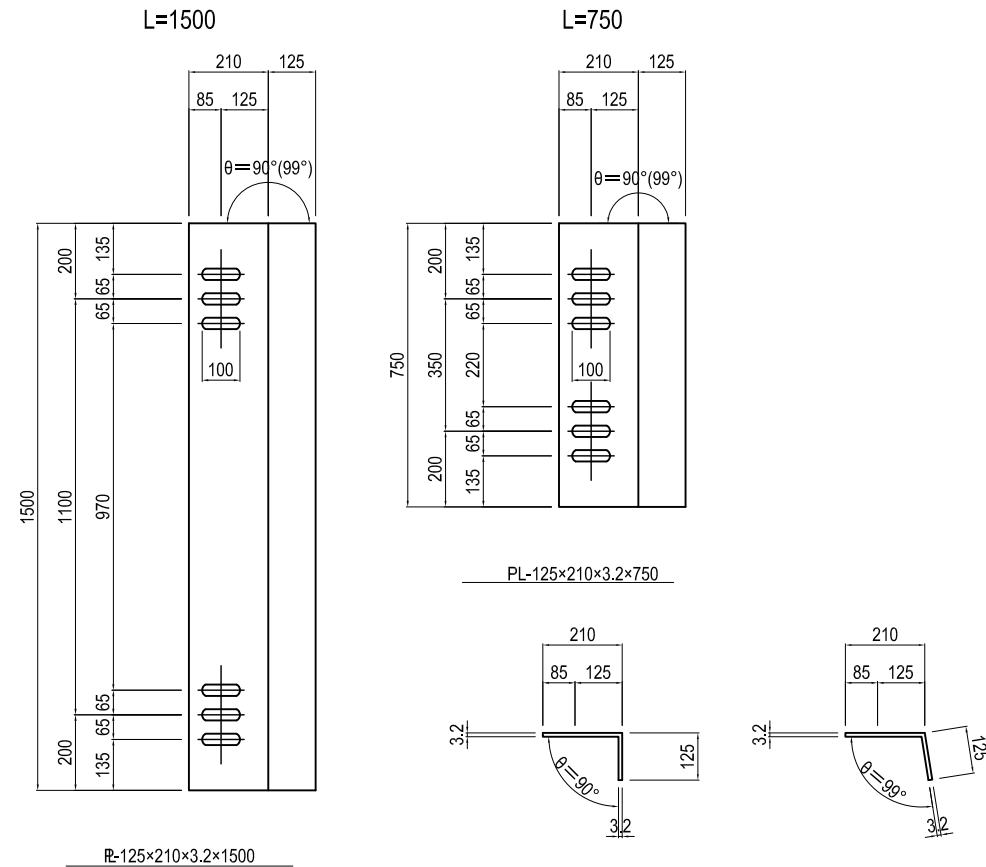
EDGE DETAIL DRAWING

CROSS SECTION S=1:6



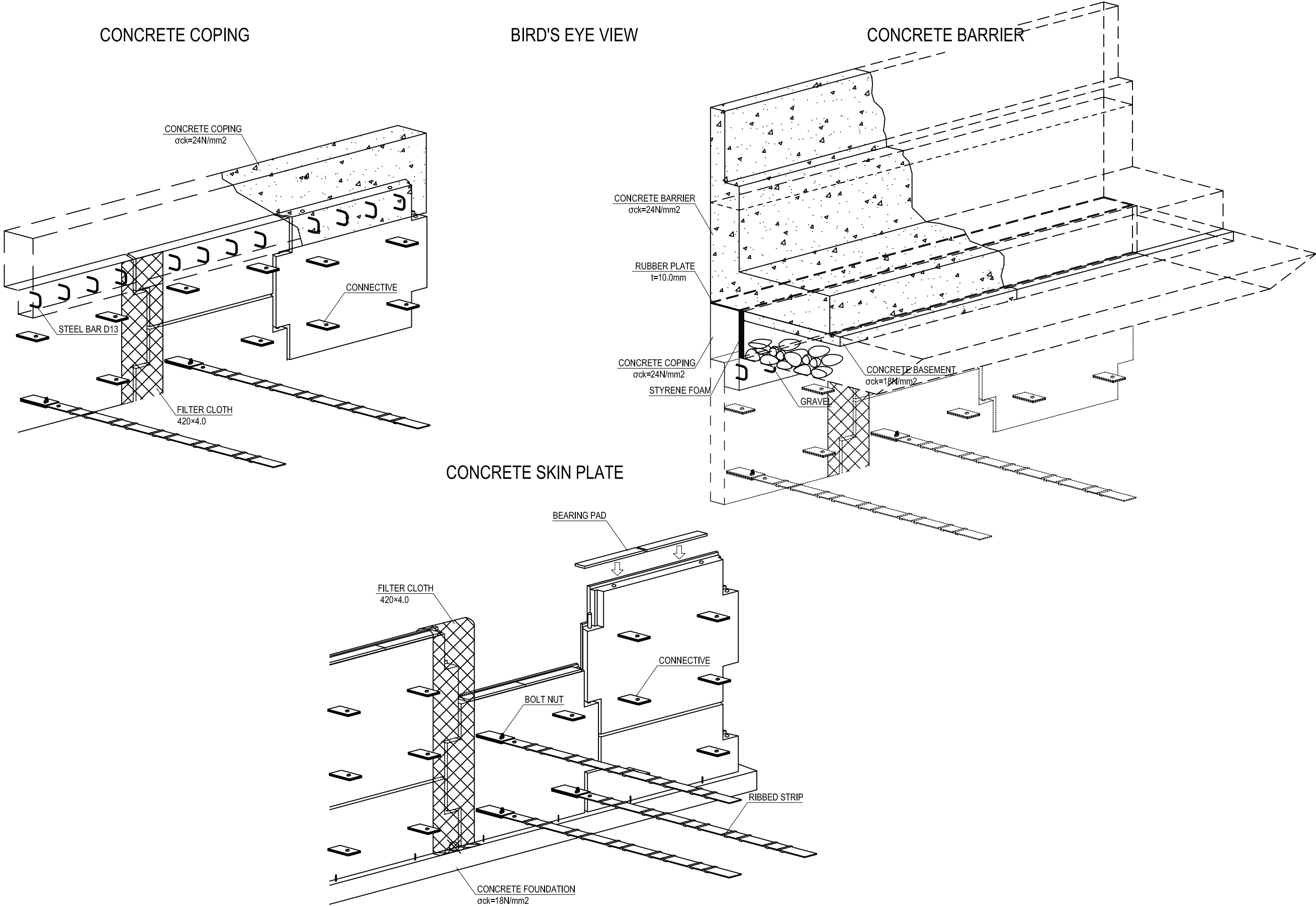
NOTE) 1. BOLT IT IS USED TWO PER ONE EDGE ANGLE

EDGE ANGLE BRACKET S=1:20



PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JICA JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE DETAIL OF MECHANICALLY STABILISED EARTH WALL(3)	PACKAGE	
				PREPARED BY	J.TSUCHIYA	土屋 潤		15 Jun. 2017	2
				CHECKED BY	T. HAYAKAWA	平川 知那		20 Jun. 2017	DWG No.
				APPROVED BY	Y. SANO	佐野 祐一		21 Jun. 2017	P2-RD-4130

DETAIL OF MECHANICALLY STABILISED EARTH WALL(4)



PROJECT NAME
 DETAILED DESIGN ON
 BAGO RIVER BRIDGE
 CONSTRUCTION PROJECT

FINANCED BY
 JAPAN INTERNATIONAL
 COOPERATION AGENCY

COUNTERPART
 REPUBLIC OF THE UNION OF MYANMAR
 MINISTRY OF CONSTRUCTION
 DEPARTMENT OF BRIDGE

JICA STUDY TEAM
 NIPPON KOEI CO., LTD.
 ORIENTAL CONSULTANTS GLOBAL CO., LTD.
 METROPOLITAN EXPRESSWAY COMPANY LIMITED
 CHODAI CO., LTD.
 NIPPON ENGINEERING CONSULTANTS CO., LTD.

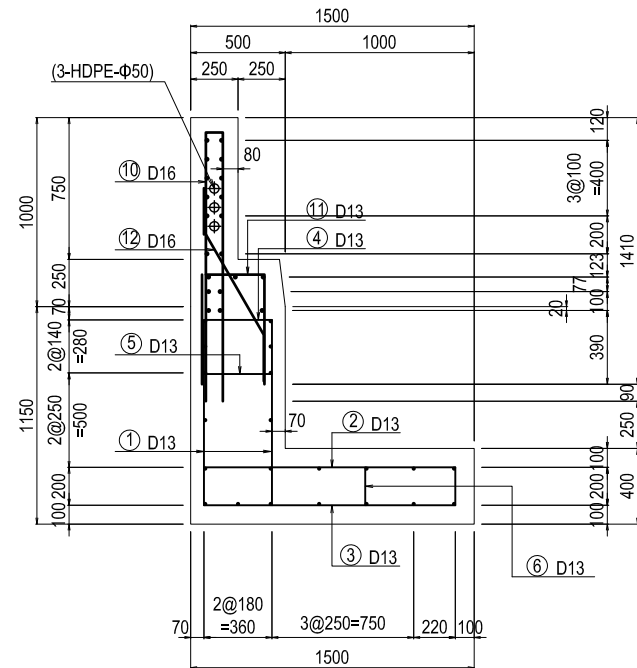
	NAME	SIGNATURE	DATE
PREPARED BY	J.TSUCHIYA		15 Jun. 2017
CHECKED BY	T. HAYAKAWA		20 Jun. 2017
APPROVED BY	Y. SANO		21 Jun. 2017

DRAWING TITLE
 DETAIL OF MECHANICALLY STABILISED EARTH WALL(4)

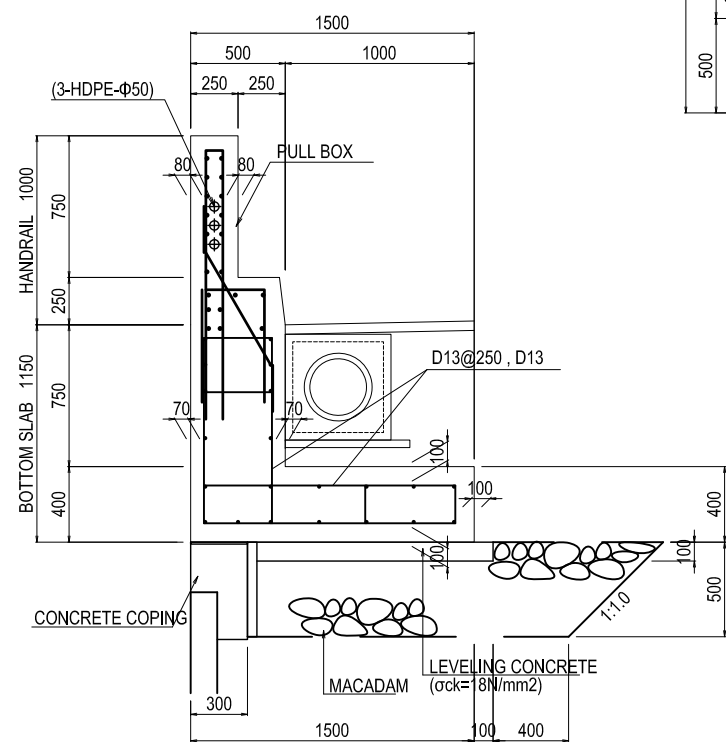
PACKAGE
 2
 DWG No.
 P2-RD-4140

HANDRAIL ON MECHANICALLY STABILISED EARTH WALL(1) S=1:40 (TYPE-1) BREST WALL

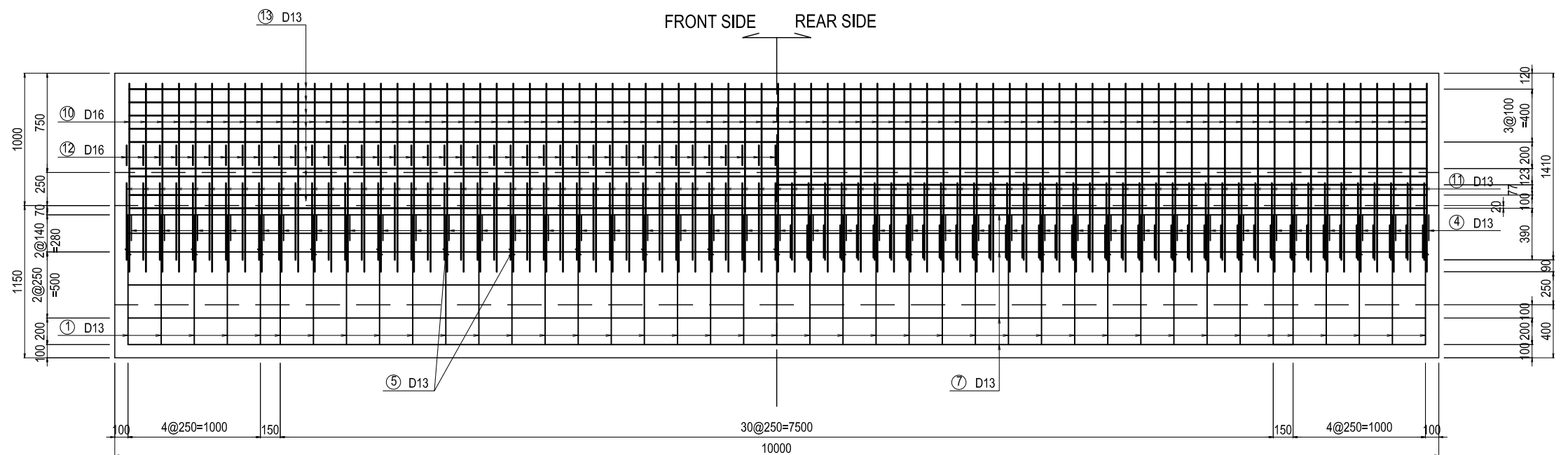
SECTION



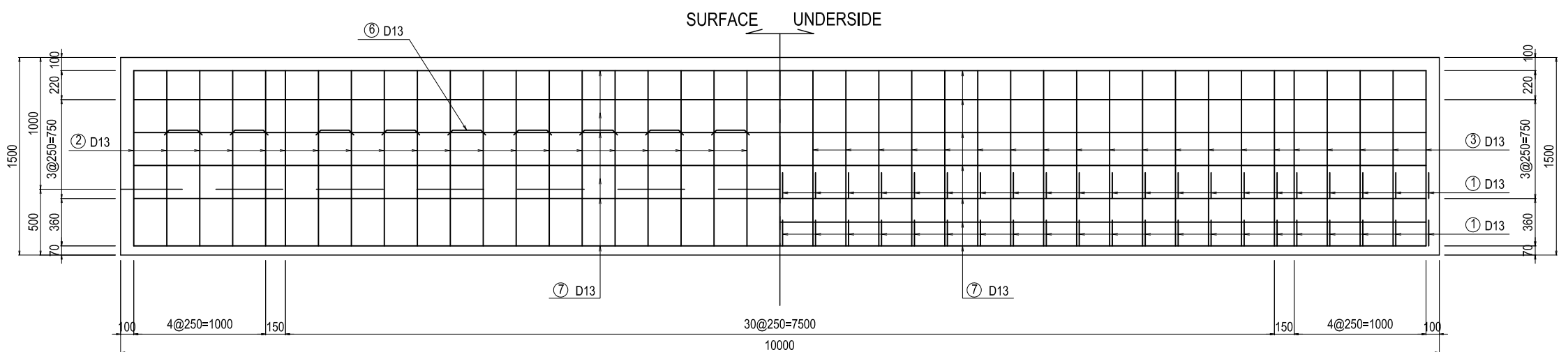
SETTING



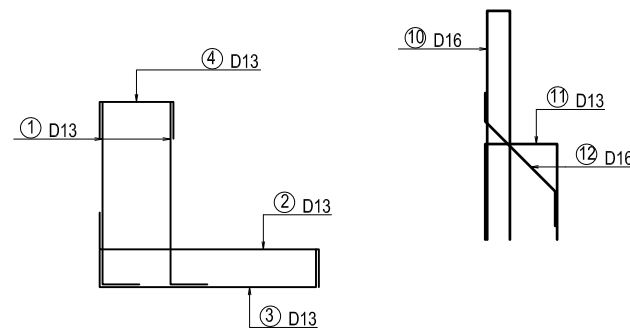
BREST WALL



BOTTOM SLAB



BAR ASSEMBLING



PROJECT NAME
DETAILED DESIGN ON
BAGO RIVER BRIDGE
CONSTRUCTION PROJECT

FINANCED BY
 JAPAN INTERNATIONAL
COOPERATION AGENCY

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METROPOLITAN EXPRESSWAY COMPANY LIMITED
CHODAI CO., LTD.
NIPPON ENGINEERING CONSULTANTS CO., LTD.

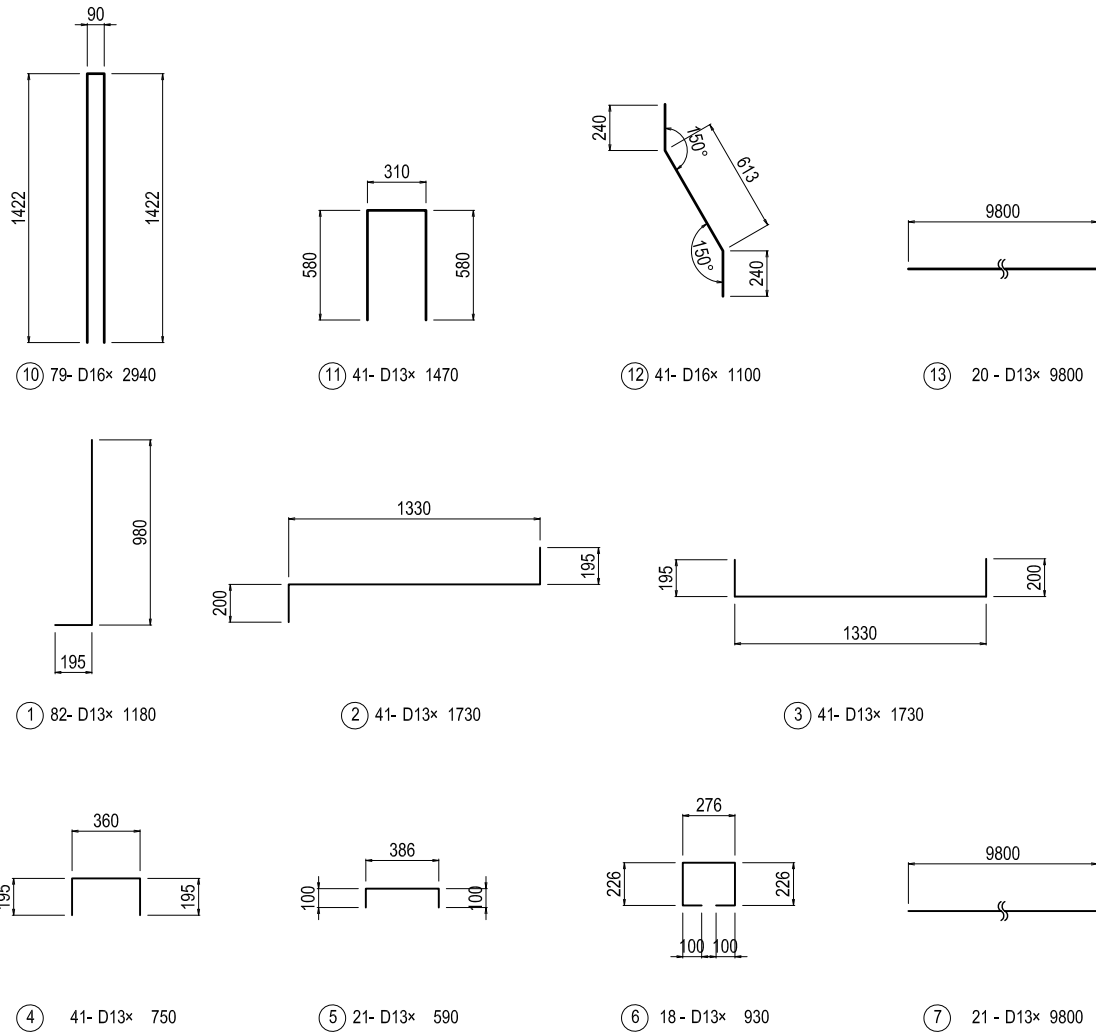
	NAME	SIGNATURE	DATE
PREPARED BY	J.TSUCHIYA		15 Jun. 2017
CHECKED BY	T. HAYAKAWA		20 Jun. 2017
APPROVED BY	Y. SANO		21 Jun. 2017

DRAWING TITLE
HANDRAIL ON
MECHANICALLY STABILISED EARTH WALL(1)

PACKAGE
2
DWG No.
P2-RD-4150

HANDRAIL ON MECHANICALLY STABILISED EARTH WALL(2) (TYPE-1)

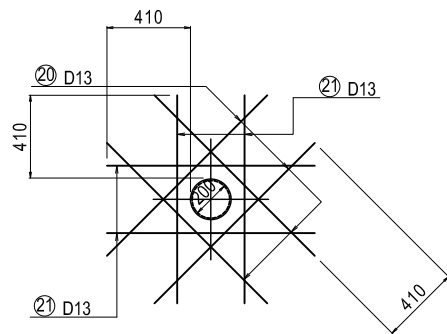
BAR SCHEDULING



LIST OF REINFORCEMENT (per10.0m)

NAME	DIAMETER	LENGTH (mm)	NUMBER (本)	UNIT WEIGHT (kg/m)	WEIGHT/BAR (kg)	WEIGHT (kg)	REMARKS
HANDRAIL							
10	D16	2940	79	1.560	4.59	363	
11	D13	1470	41	0.995	1.46	60	□
12	D16	1100	41	1.560	1.72	71	∩
13	D13	9800	20	0.995	9.75	195	—
BOTTOM SLAB							
1	D13	1180	82	0.995	1.17	96	└┘
2	D13	1730	41	0.995	1.72	71	└┘
3	D13	1730	41	0.995	1.72	71	└┘
4	D13	750	41	0.995	0.75	31	└┘
5	D13	590	21	0.995	0.59	12	└┘
6	D13	930	18	0.995	0.93	17	└┘
7	D13	9800	21	0.995	9.75	205	—
						D16	434 kg
						D13	758 kg
						total	1192 kg

φ200 BOX WITHOUT REINFORCEMENT VIEW

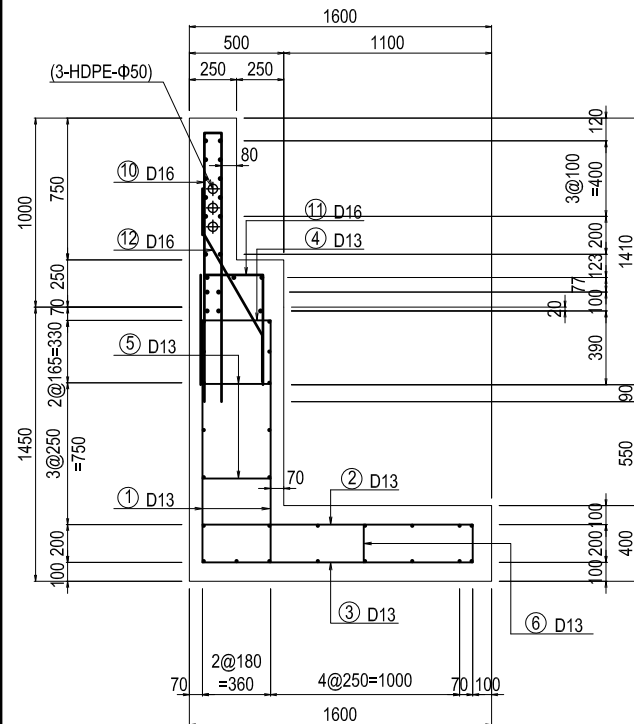


LIST OF REINFORCEMENT (per 1 place)

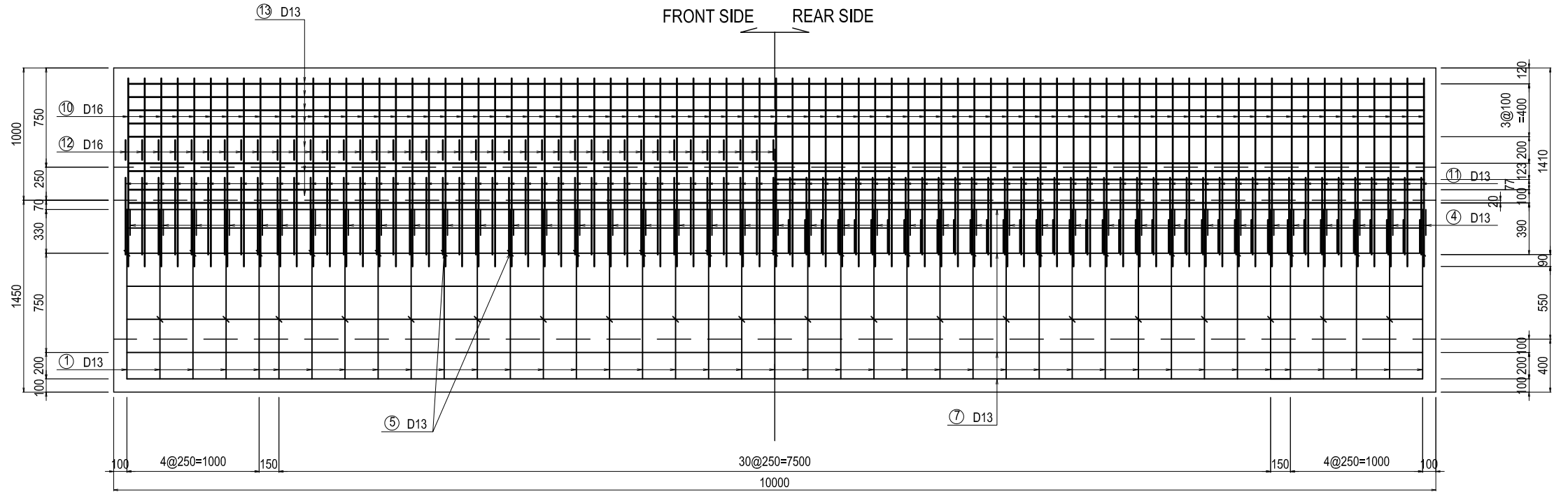
NAME	DIAMETER	LENGTH (mm)	NUMBER (nos.)	UNIT WEIGHT (kg/m)	WEIGHT/BAR (kg)	WEIGHT (kg)	REMARKS
HANDRAIL							
20	D13	1200	8	0.995	1.19	10	└┘
21	D13	1100	8	0.995	1.09	9	—
						D13	19 kg
						total	19 kg

HANDRAIL ON MECHANICALLY STABILISED EARTH WALL(3) S=1:20 (TYPE-2) BREST WALL

SECTION

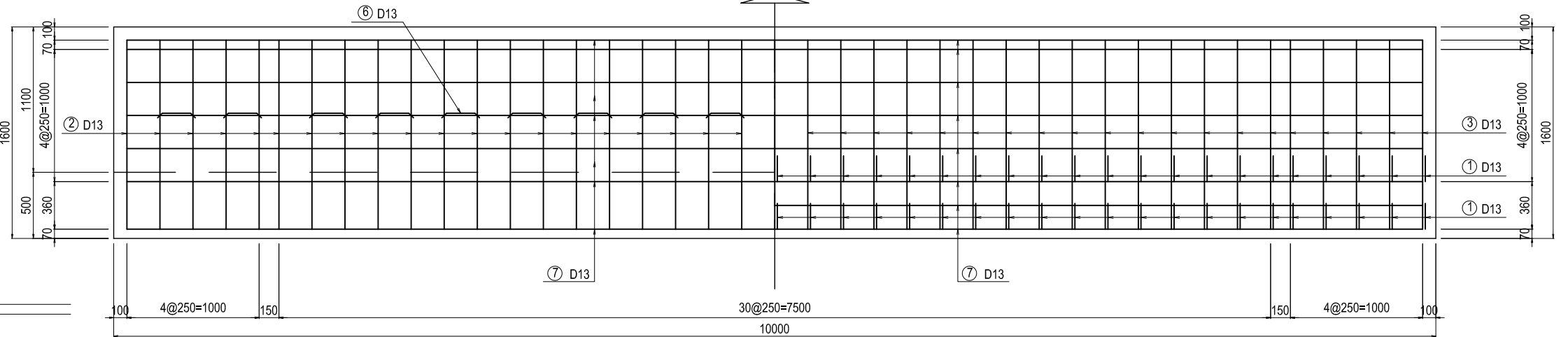


FRONT SIDE REAR SIDE

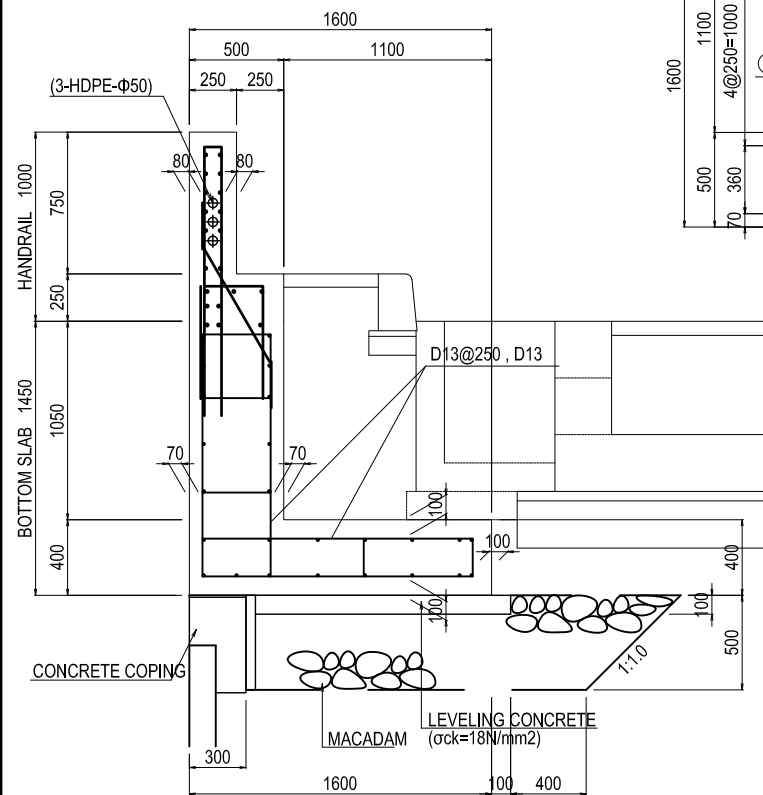


BOTTOM SLAB

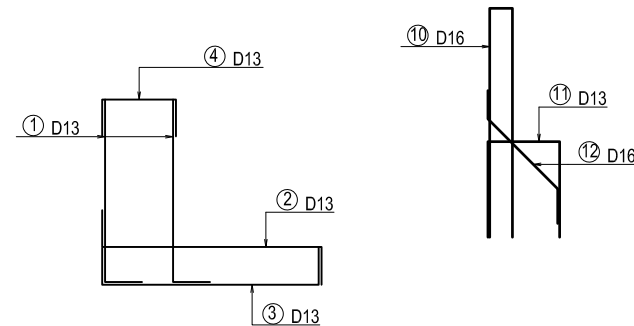
SURFACE UNDERSIDE



SETTING



BAR ASSEMBLING



PROJECT NAME
DETAILED DESIGN ON
BAGO RIVER BRIDGE
CONSTRUCTION PROJECT

FINANCED BY
 JAPAN INTERNATIONAL
COOPERATION AGENCY

COUNTERPART
 REPUBLIC OF THE UNION OF MYANMAR
MINISTRY OF CONSTRUCTION
DEPARTMENT OF BRIDGE

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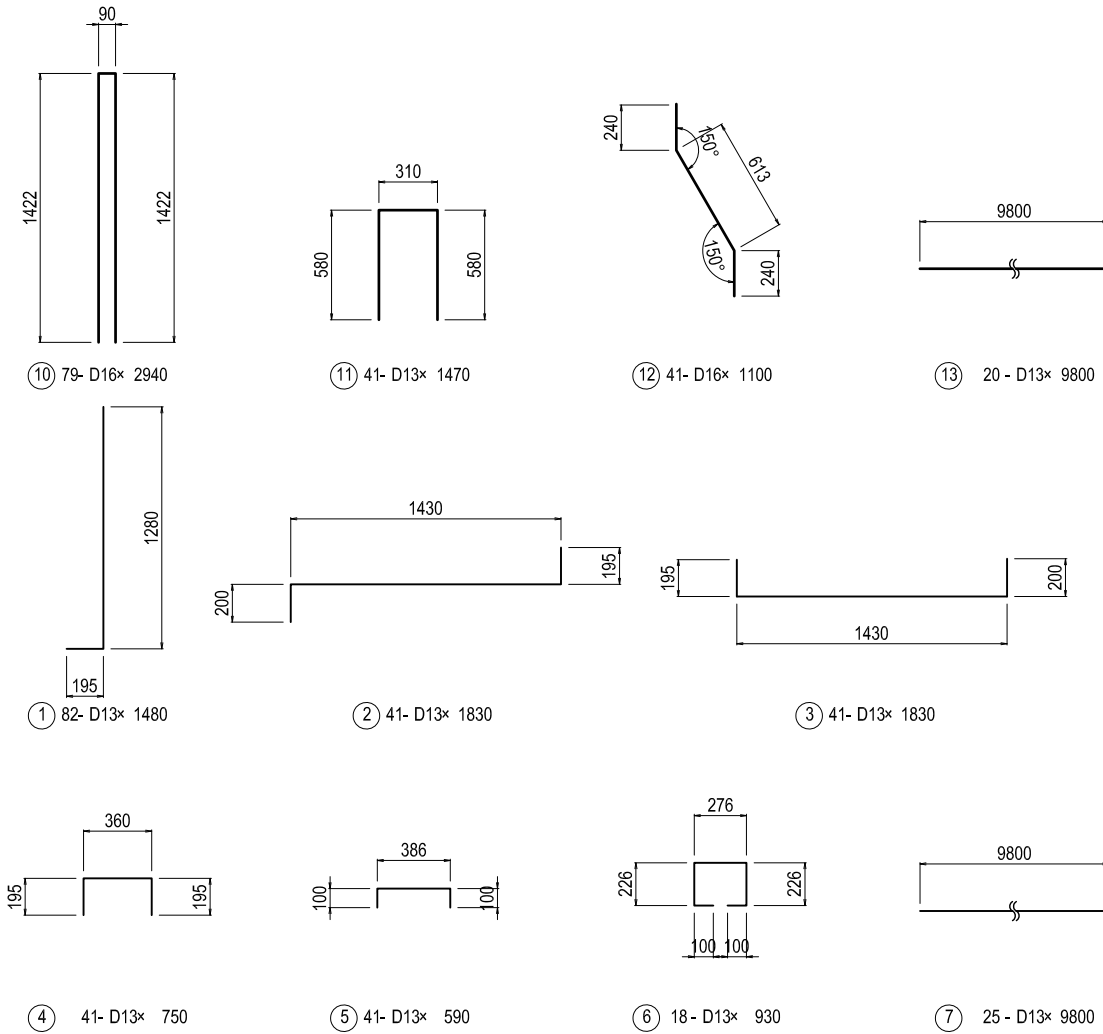
	NAME	SIGNATURE	DATE
PREPARED BY	J.TSUCHIYA		15 Jun. 2017
CHECKED BY	T. HAYAKAWA		20 Jun. 2017
APPROVED BY	Y. SANO		21 Jun. 2017

DRAWING TITLE
HANDRAIL ON
MECHANICALLY STABILISED EARTH WALL(3)

PACKAGE
2
DWG No.
P2-RD-4170

HANDRAIL ON MECHANICALLY STABILISED EARTH WALL(4) (TYPE-2)

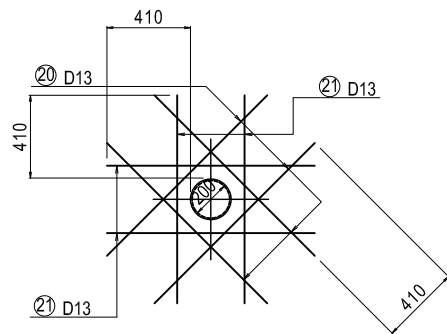
BAR SCHEDULING



LIST OF REINFORCEMENT (per10.0m)

NAME	PIANETER	LENGTH (mm)	NUMBER (nos.)	UNIT WEIGHT (kg/m)	WEIGHT/BAR (kg)	WEIGHT (kg)	REMARKS
HANDRAIL							
10	D16	2940	79	1.560	4.59	363	
11	D13	1470	41	0.995	1.46	60	□
12	D16	1100	41	1.560	1.72	71	—
13	D13	9800	20	0.995	9.75	195	—
BOTTOM SLAB							
1	D13	1480	82	0.995	1.47	121	┘
2	D13	1830	41	0.995	1.82	75	┘
3	D13	1830	41	0.995	1.82	75	┘
4	D13	750	41	0.995	0.75	31	┘
5	D13	590	41	0.995	0.59	24	┘
6	D13	930	18	0.995	0.93	17	┘
7	D13	9800	25	0.995	9.75	244	—
						D16	434 kg
						D13	842 kg
						total	1276 kg

φ200 BOX WITHOUT REINFORCEMENT VIEW

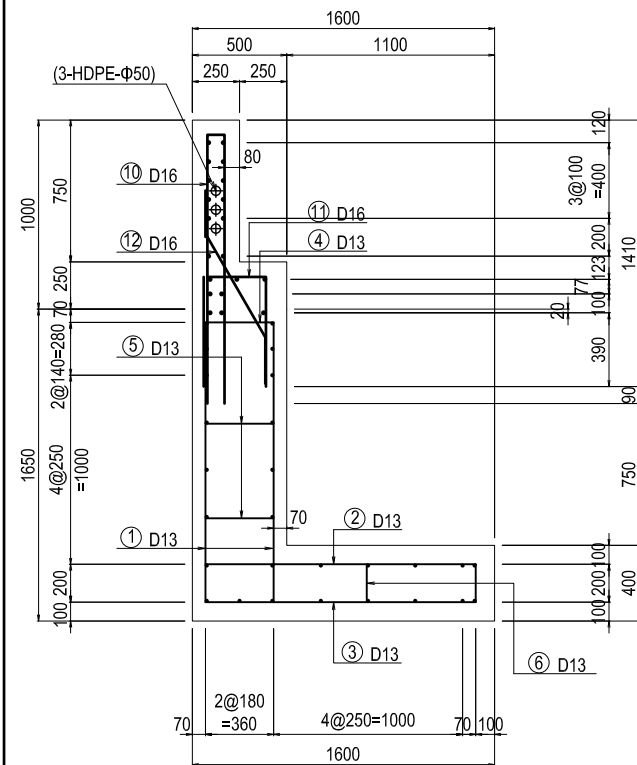


LIST OF REINFORCEMENT (per 1 place)

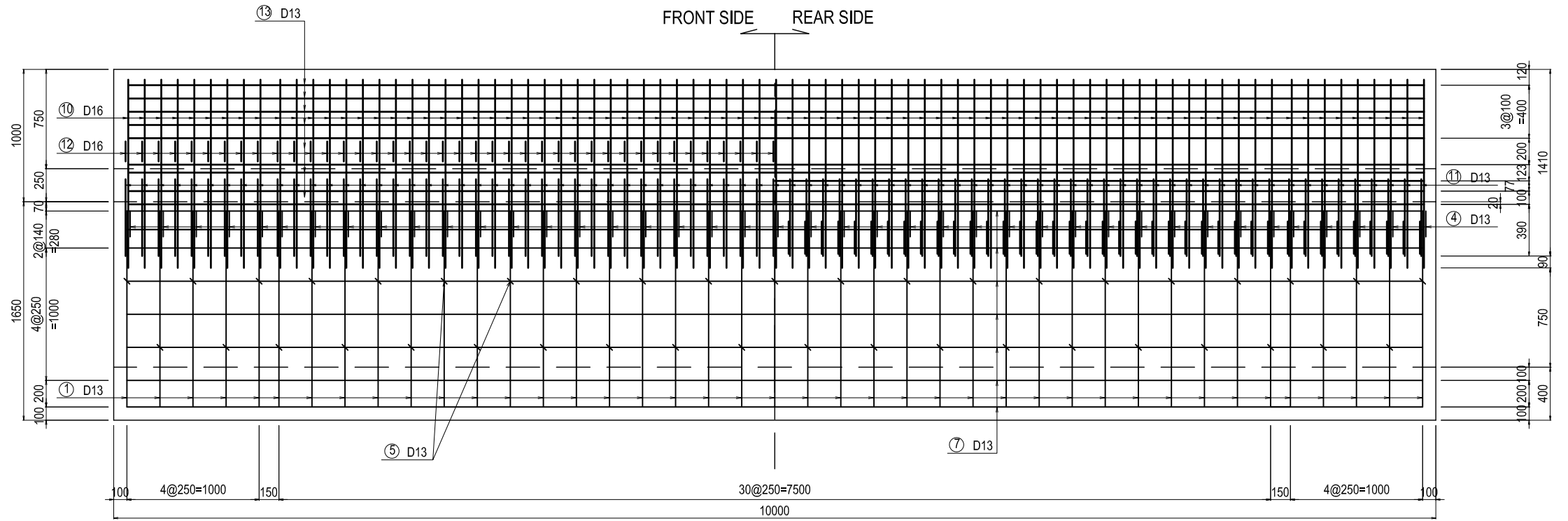
NAME	PIANETER	LENGTH (mm)	NUMBER (nos.)	UNIT WEIGHT (kg/m)	WEIGHT/BAR (kg)	WEIGHT (kg)	REMARKS
HANDRAIL							
20	D13	1200	8	0.995	1.19	10	┘
21	D13	1100	8	0.995	1.09	9	—
						D13	19 kg
						total	19 kg

HANDRAIL ON MECHANICALLY STABILISED EARTH WALL(5) S=1:20 (TYPE-3) BREST WALL

SECTION

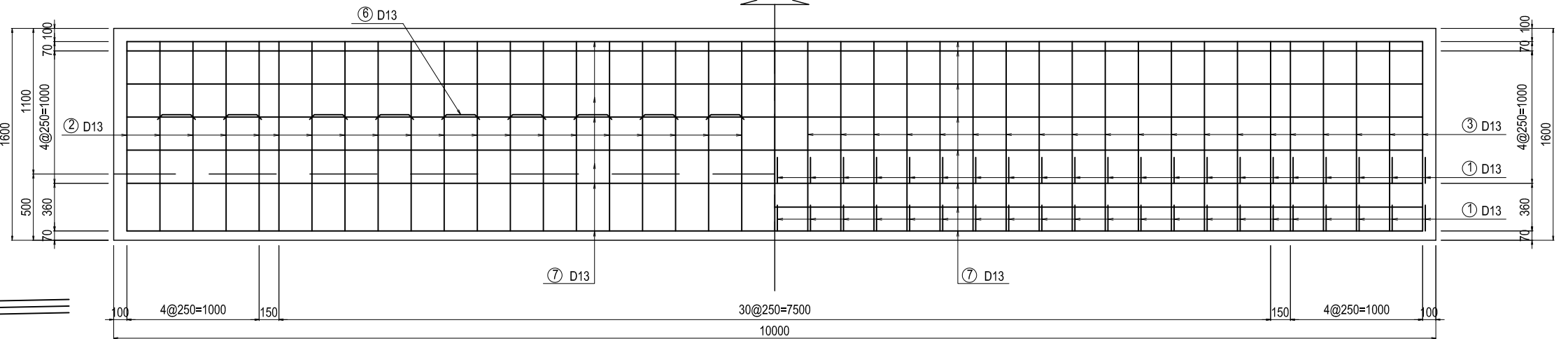


FRONT SIDE REAR SIDE

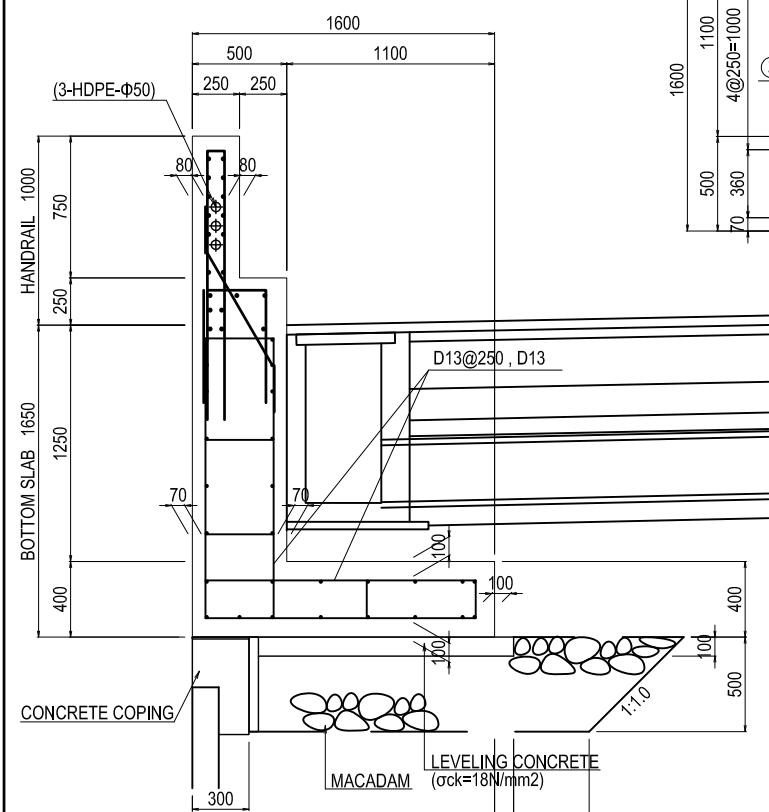


BOTTOM SLAB

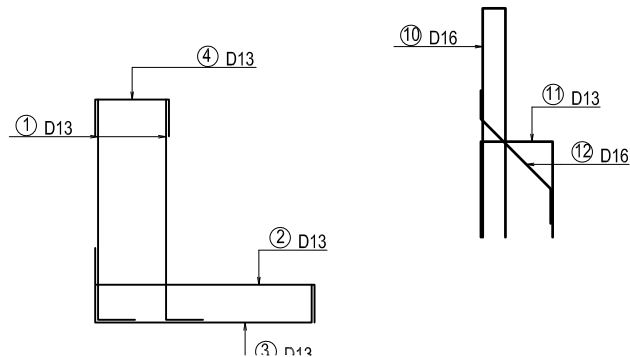
SURFACE UNDERSIDE



SETTING



BAR ASSEMBLING



PROJECT NAME
DETAILED DESIGN ON
BAGO RIVER BRIDGE
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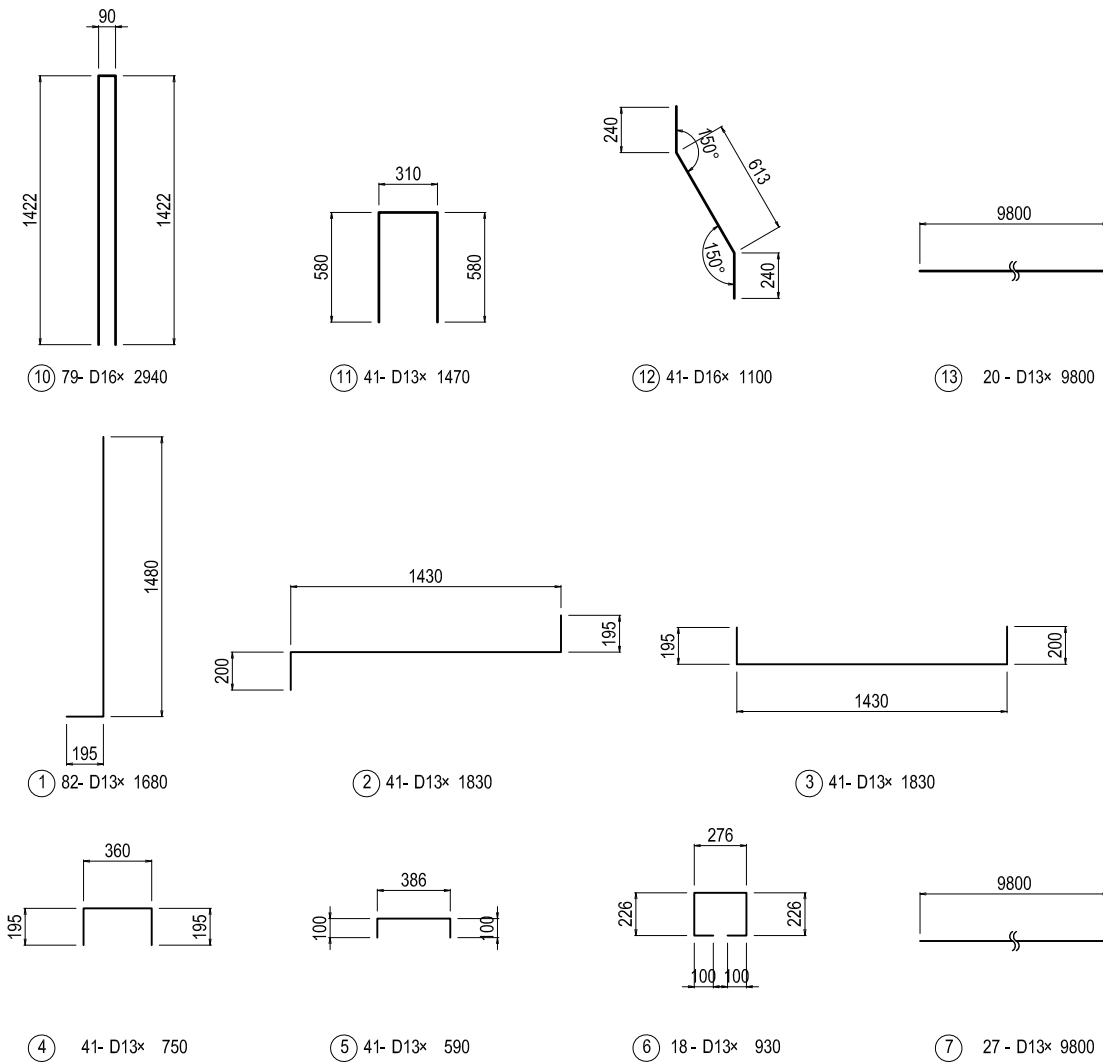
	NAME	SIGNATURE	DATE
PREPARED BY	J.TSUCHIYA		15 Jun. 2017
CHECKED BY	T. HAYAKAWA		20 Jun. 2017
APPROVED BY	Y. SANO		21 Jun. 2017

DRAWING TITLE
**HANDRAIL ON
MECHANICALLY STABILISED EARTH WALL(5)**

PACKAGE
2
DWG No.
P2-RD-4190

HANDRAIL ON MECHANICALLY STABILISED EARTH WALL(6) (TYPE-3)

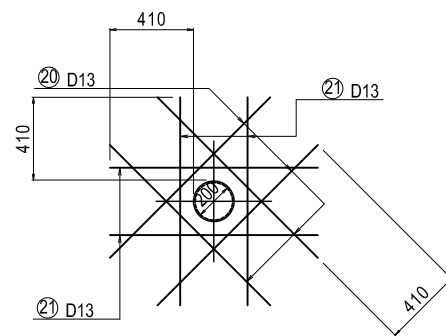
BAR SCHEDULING



LIST OF REINFORCEMENT (per10.0m)

NAME	PIANETER	LENGTH (mm)	NUMBER (nos.)	UNIT WEIGHT (kg/m)	WEIGHT/BAR (kg)	WEIGHT (kg)	REMARKS
HANDRAIL							
10	D16	2940	79	1.560	4.59	363	
11	D13	1470	41	0.995	1.46	60	□
12	D16	1100	41	1.560	1.72	71	∩
13	D13	9800	20	0.995	9.75	195	—
BOTTOM SLAB							
1	D13	1680	82	0.995	1.67	137	┘
2	D13	1830	41	0.995	1.82	75	┘
3	D13	1830	41	0.995	1.82	75	┘
4	D13	750	41	0.995	0.75	31	┘
5	D13	590	41	0.995	0.59	24	┘
6	D13	930	18	0.995	0.93	17	□
7	D13	9800	27	0.995	9.75	263	—
						D16	434 kg
						D13	877 kg
						total	1311 kg

φ200 BOX WITHOUT REINFORCEMENT VIEW



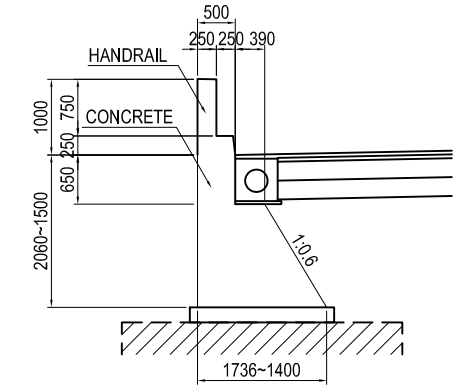
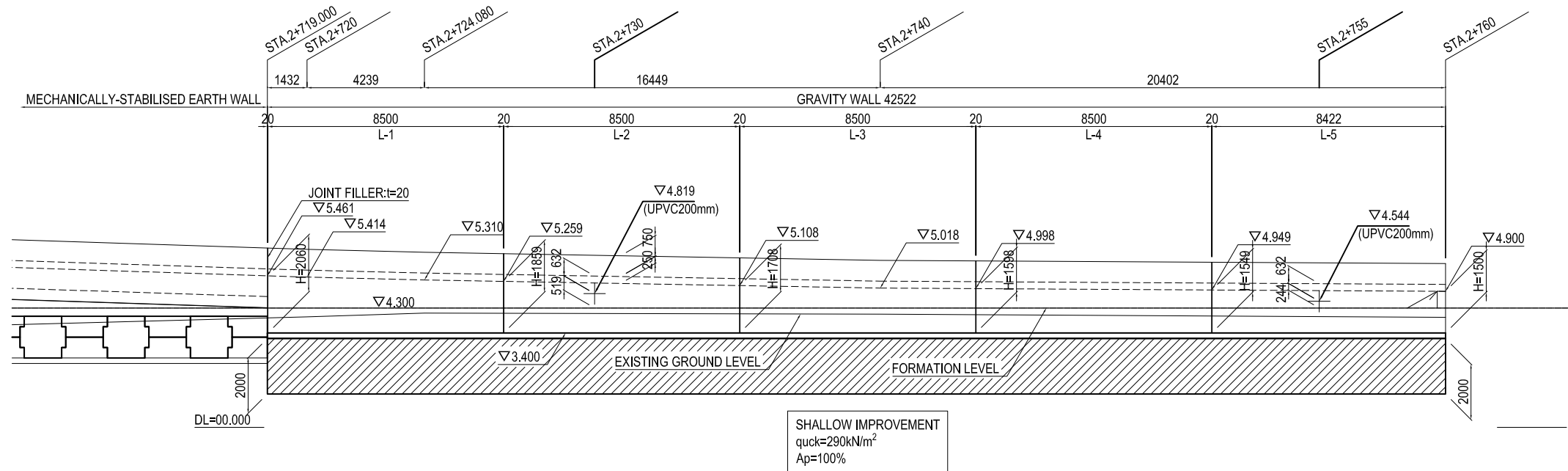
LIST OF REINFORCEMENT (per 1 place)

NAME	PIANETER	LENGTH (mm)	NUMBER (nos.)	UNIT WEIGHT (kg/m)	WEIGHT/BAR (kg)	WEIGHT (kg)	REMARKS
HANDRAIL							
20	D13	1200	8	0.995	1.19	10	∩
21	D13	1100	8	0.995	1.09	9	—
						D13	19 kg
						total	19 kg

GRAVITY WALL(1)

LEFT SIDE(DEVELOP FROM BACK SIDE) S=1:200
Toll Plaza~Approach road(STA.2+720~2+760)

FIGURE OF CROSS SECTION S=1:50

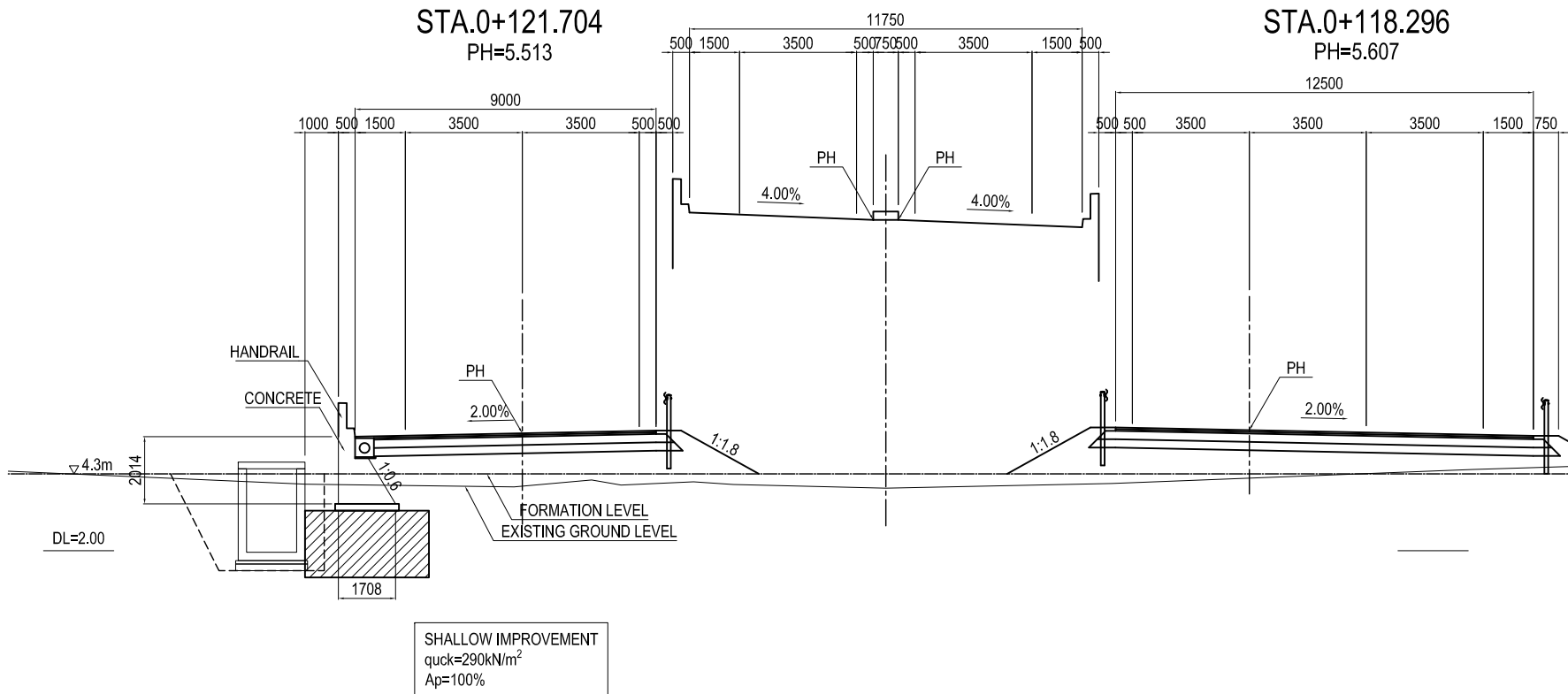


CROSS SECTION S=1:200

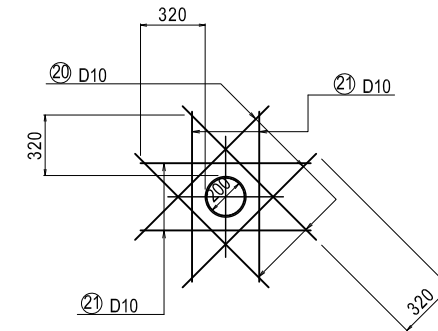
STA.2+720
GH=3.87
PH=11.900

STA.0+121.704
PH=5.513

STA.0+118.296
PH=5.607



φ200 BOX WITHOUT REINFORCEMENT VIEW



LIST OF REINFORCEMENT (per 1 place)

NAME	PIANETER	LENGTH (mm)	NUMBER (nos.)	UNIT WEIGHT (kg/m)	WEIGHT/BAR (kg)	WEIGHT (kg)	REMARKS
HANDRAIL							
20	D10	1000	8	0.560	0.56	4	
21	D10	900	8	0.560	0.50	4	
						D13	8 kg
						total	8 kg

PROJECT NAME
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REPUBLIC OF THE UNION OF MYANMAR
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NIPPON ENGINEERING CONSULTANTS CO., LTD.

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CHECKED BY	T. HAYAKAWA	平川 知那	20 Jun. 2017
APPROVED BY	Y. SANO	佐野 祐一	21 Jun. 2017

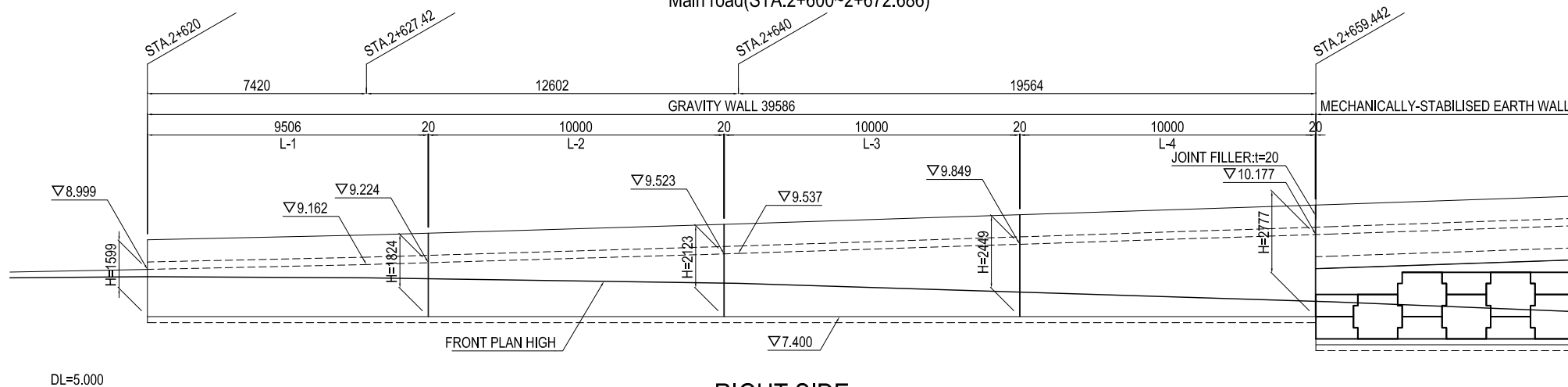
DRAWING TITLE
GRAVITY WALL(1)

PACKAGE
2
DWG No.
P2-RD-4210

GRAVITY WALL(2)

LEFT SIDE(DEVELOP FROM BACK SIDE) S=1:200

Main road(STA.2+600~2+672.686)



RIGHT SIDE S=1:200

Main road(STA.2+600~2+672.314)

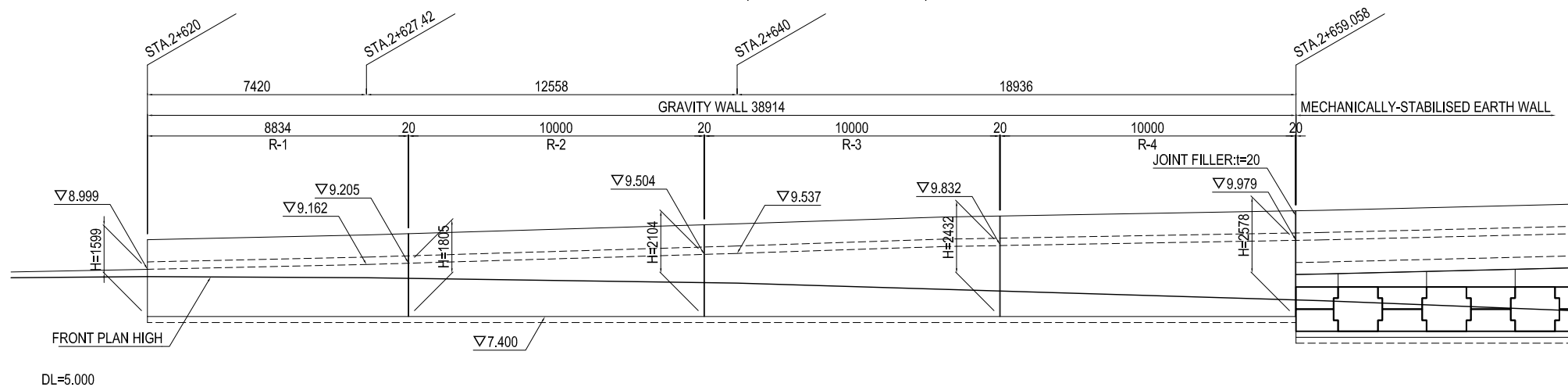
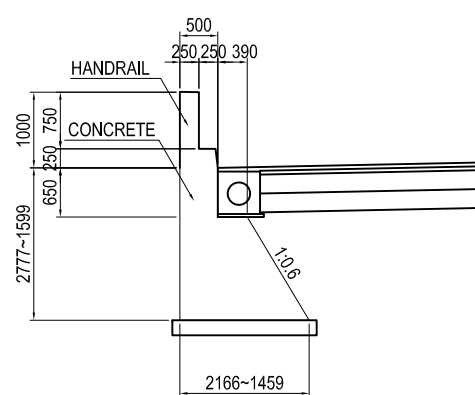
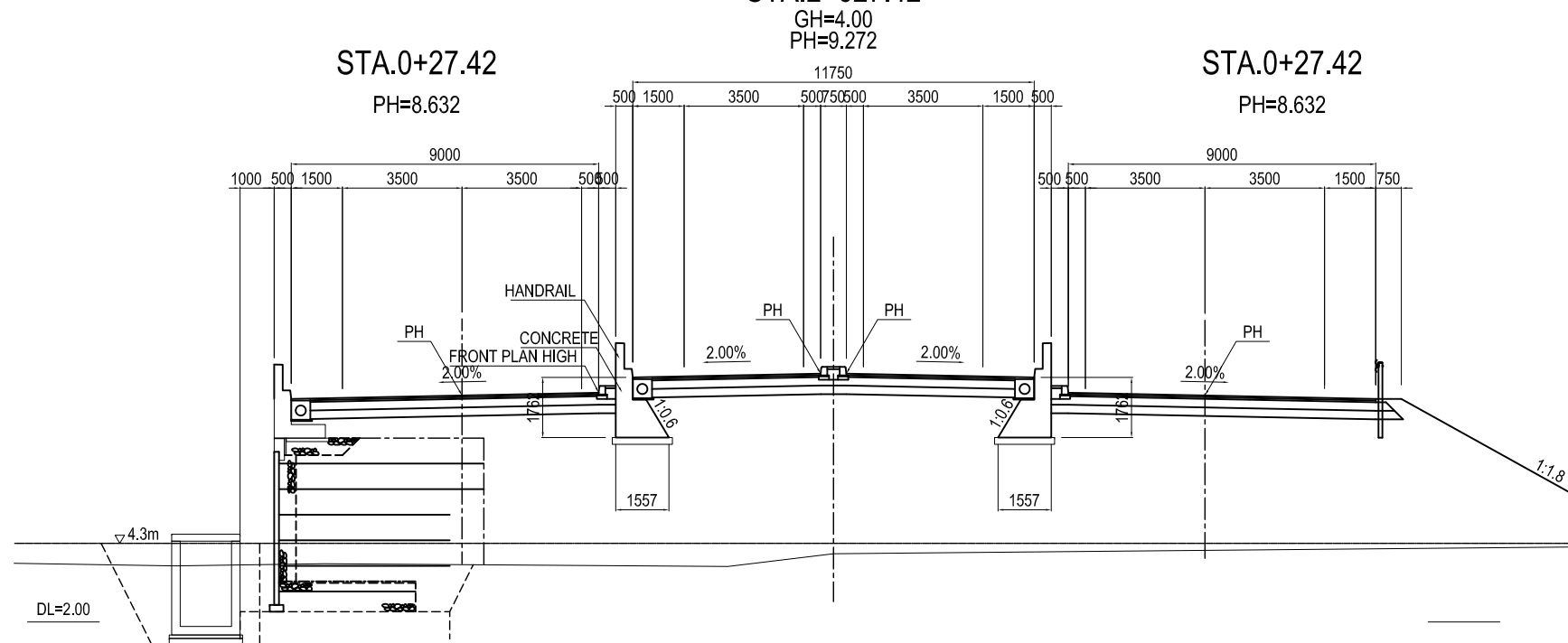


FIGURE OF CROSS SECTION S=1:50



CROSS SECTION S=1:200

STA.2+627.42

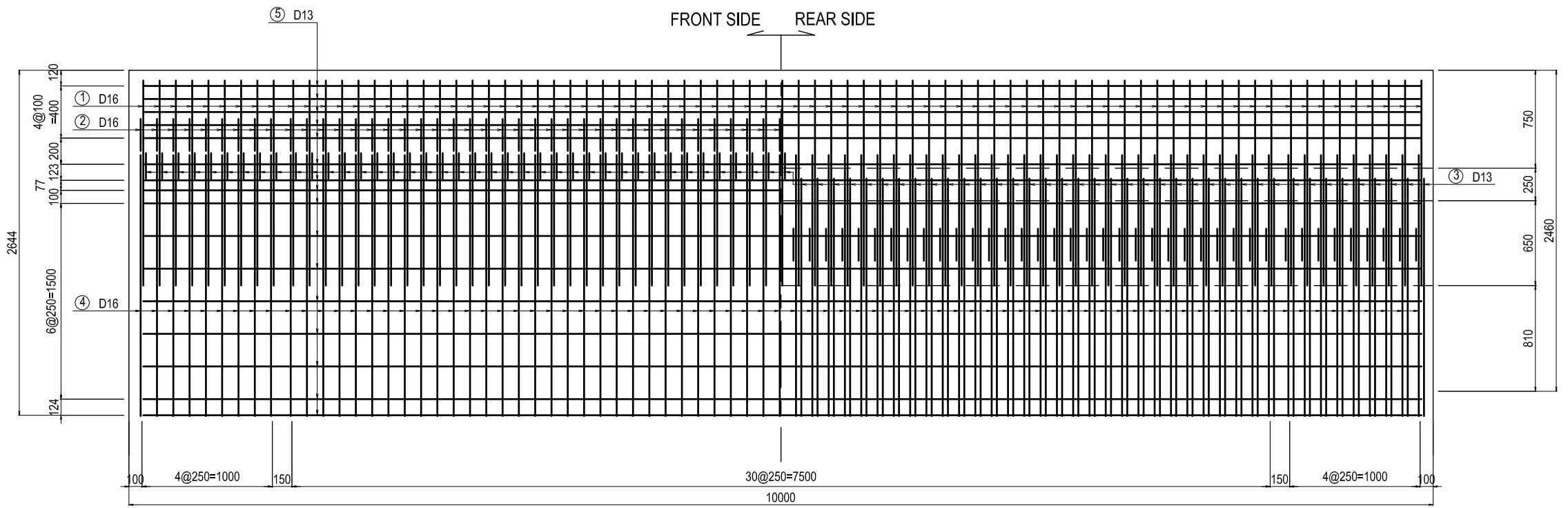
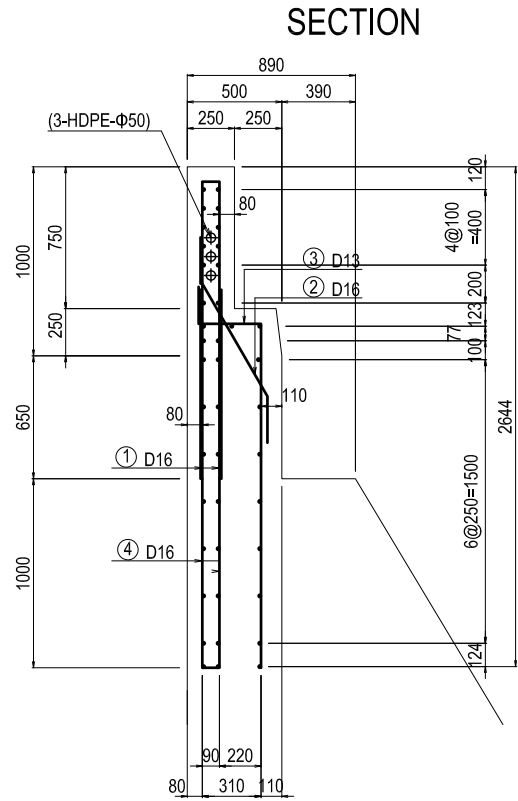


PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">NAME</th> <th style="width: 15%;">SIGNATURE</th> <th style="width: 15%;">DATE</th> </tr> </thead> <tbody> <tr> <td>PREPARED BY J.TSUCHIYA</td> <td></td> <td>15 Jun. 2017</td> </tr> <tr> <td>CHECKED BY T. HAYAKAWA</td> <td></td> <td>20 Jun. 2017</td> </tr> <tr> <td>APPROVED BY Y. SANO</td> <td></td> <td>21 Jun. 2017</td> </tr> </tbody> </table>	NAME	SIGNATURE	DATE	PREPARED BY J.TSUCHIYA		15 Jun. 2017	CHECKED BY T. HAYAKAWA		20 Jun. 2017	APPROVED BY Y. SANO		21 Jun. 2017	DRAWING TITLE <h3 style="text-align: center;">GRAVITY WALL(2)</h3>	PACKAGE 2 DWG No. P2-RD-4220
NAME	SIGNATURE	DATE																
PREPARED BY J.TSUCHIYA		15 Jun. 2017																
CHECKED BY T. HAYAKAWA		20 Jun. 2017																
APPROVED BY Y. SANO		21 Jun. 2017																

HANDRAIL ON GRAVITY WALL S=1:40

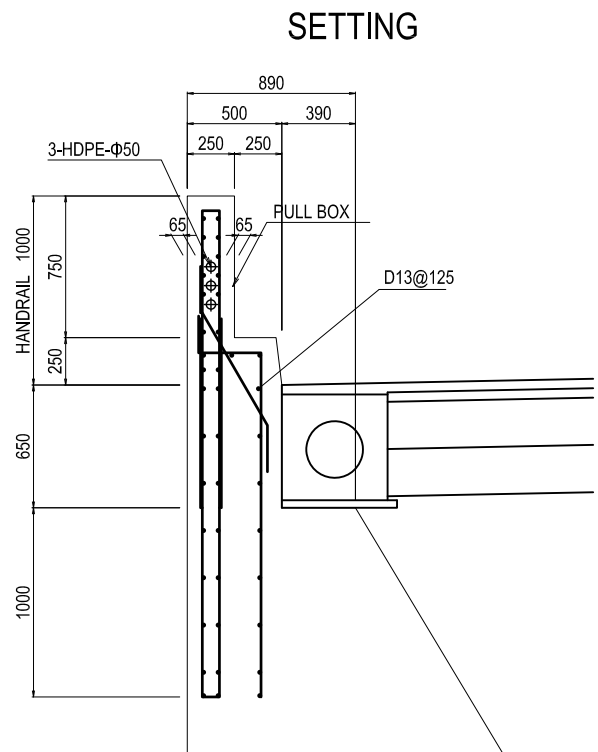
BREST WALL

FRONT SIDE REAR SIDE

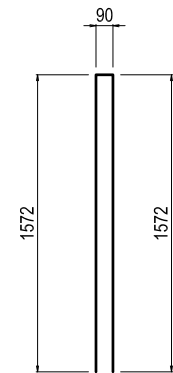


BAR SCHEDULING

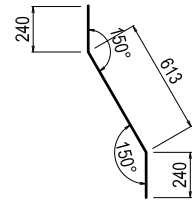
BAR ASSEMBLING



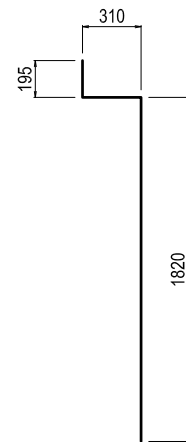
SETTING



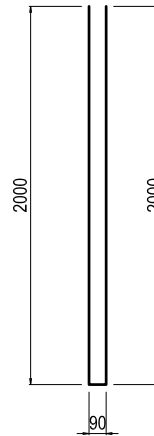
① 79- D16× 3240



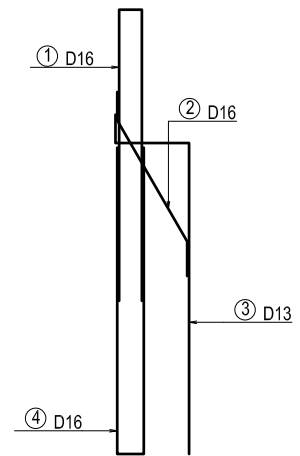
② 79- D16 × 1100



③ 79- D13× 2330



④ 79- D16× 4090



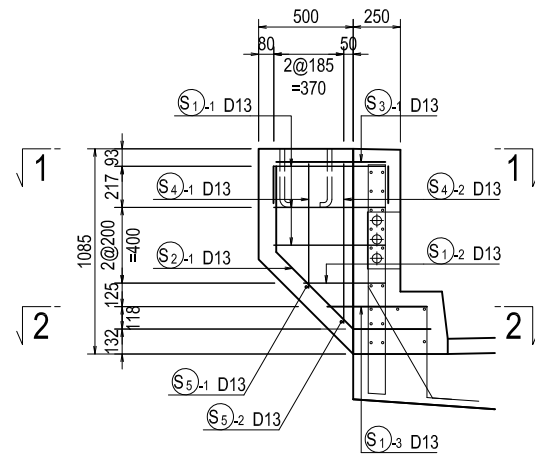
⑤ 41- D13× 9800

LIST OF REINFORCEMENT (per10.0m)

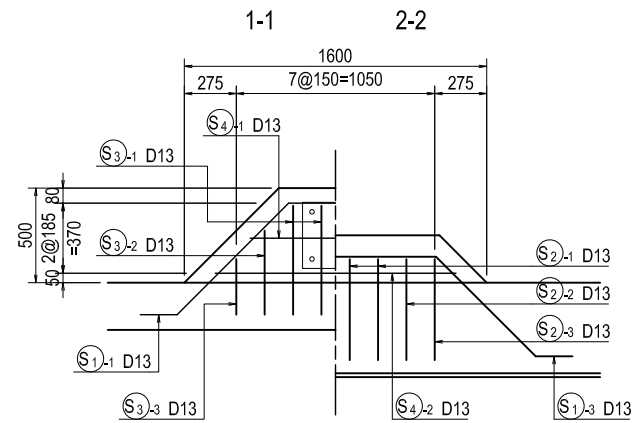
NAME	DIAMETER	LENGTH (mm)	NUMBER (本)	UNIT WEIGHT (kg/m)	WEIGHT/BAR (kg)	WEIGHT (kg)	REMARKS
HANDRAIL							
1	D16	3240	79	1.560	5.05	399	
2	D16	1100	79	1.560	1.72	136	
3	D13	2330	79	0.995	2.32	183	
4	D16	4090	79	1.560	6.33	500	
5	D13	9800	41	0.995	9.75	400	
						D16	1035 kg
						D13	583 kg
						total	1618 kg

DETAIL OF LIGHTING FOUNDATION

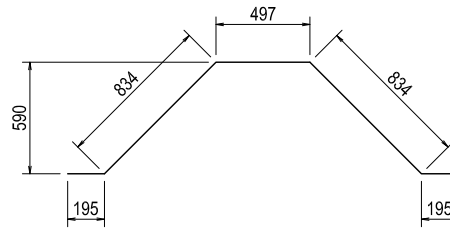
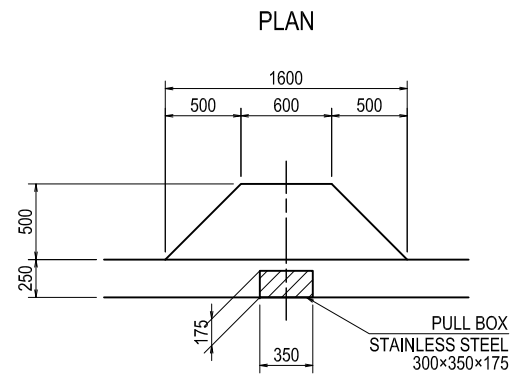
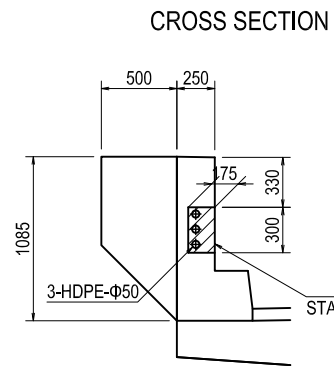
CROSS SECTION S=1:40



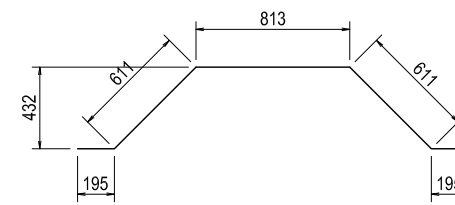
PLAN S=1:40



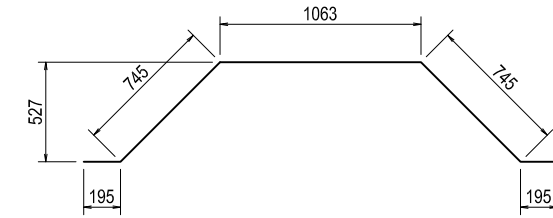
PULLBOX DETAIL S=1:50



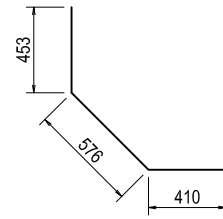
S1-1 3-D13x2560



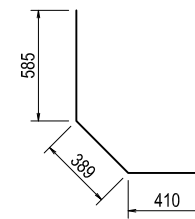
S1-2 1-D13x2430



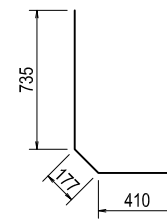
S1-3 1-D13x2950



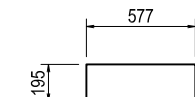
S2-1 4-D13x1440



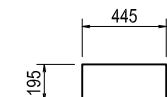
S2-2 2-D13x1390



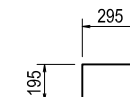
S2-3 2-D13x1330



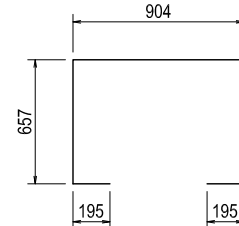
S3-1 4-D13x970



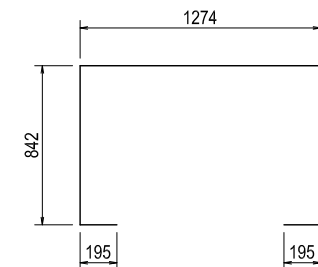
S3-2 2-D13x840



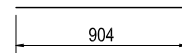
S3-3 2-D13x690



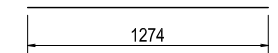
S4-1 1-D13x2610



S4-2 1-D13x3350



S5-1 1-D13x910



S5-2 1-D13x1280

BAR LIST

REBAR NO.	DIA (mm)	LENGTH (mm)	NUMBER	UNIT WEIGHT (kg/m)	WEIGHT/ONE (kg)	WEIGHT (kg)	REMARKS
S 1 -1	D13	2560	3	0.995	2.55	8	
S 1 -2	D13	2430	1	0.995	2.42	2	
S 1 -3	D13	2950	1	0.995	2.94	3	
S 2 -1	D13	1440	4	0.995	1.43	6	
S 2 -2	D13	1390	2	0.995	1.38	3	
S 2 -3	D13	1330	2	0.995	1.32	3	
S 3 -1	D13	970	4	0.995	0.97	4	
S 3 -2	D13	840	2	0.995	0.84	2	
S 3 -3	D13	690	2	0.995	0.69	1	
S 4 -1	D13	2610	1	0.995	2.60	3	
S 4 -2	D13	3350	1	0.995	3.33	3	
S 5 -1	D13	910	1	0.995	0.91	1	
S 5 -2	D13	1280	1	0.995	1.27	1	
						40	kg
TOTAL						40	kg

PROJECT NAME
DETAILED DESIGN ON
BAGO RIVER BRIDGE
CONSTRUCTION PROJECT

FINANCED BY
JICA
JAPAN INTERNATIONAL
COOPERATION AGENCY

COUNTERPART
REPUBLIC OF THE UNION OF MYANMAR
MINISTRY OF CONSTRUCTION
DEPARTMENT OF BRIDGE

JICA STUDY TEAM
NIPPON KOEI CO., LTD.
ORIENTAL CONSULTANTS GLOBAL CO., LTD.
METROPOLITAN EXPRESSWAY COMPANY LIMITED
CHODAI CO., LTD.
NIPPON ENGINEERING CONSULTANTS CO., LTD.

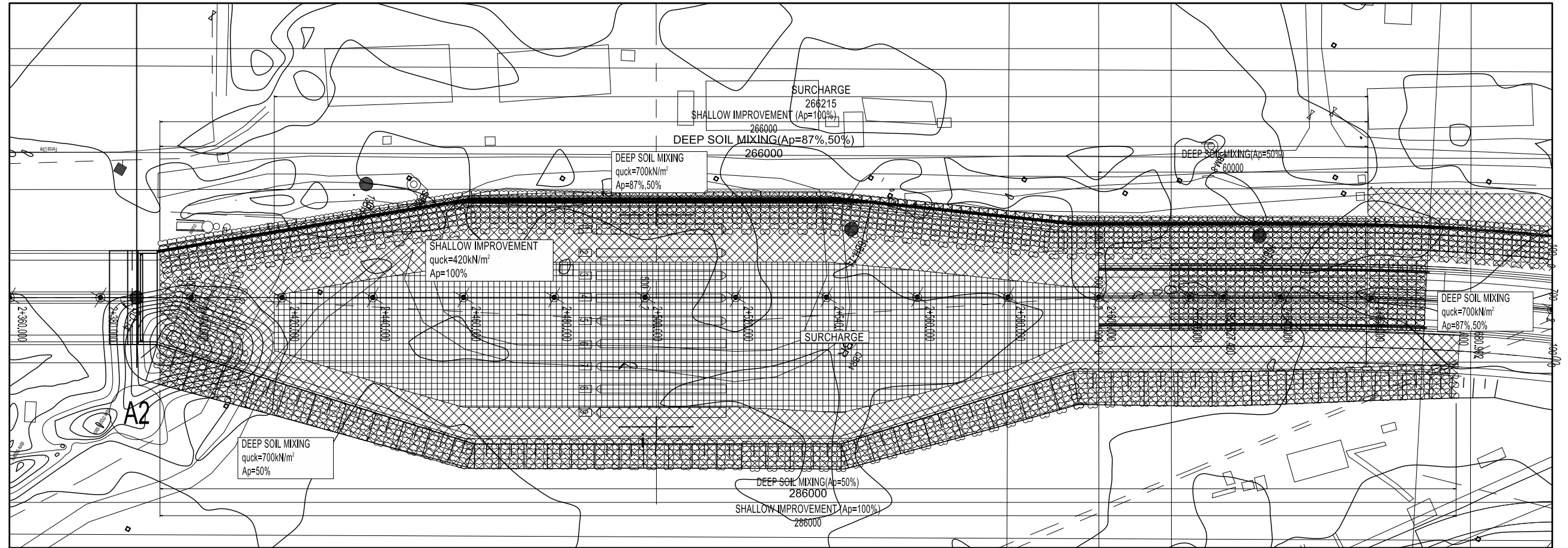
	NAME	SIGNATURE	DATE
PREPARED BY	J.TSUCHIYA	土屋 潤	15 Jun. 2017
CHECKED BY	T. HAYAKAWA	平川 知那	20 Jun. 2017
APPROVED BY	Y. SANO	佐野 祐一	21 Jun. 2017

DRAWING TITLE
DETAIL OF LIGHTING FOUNDATION

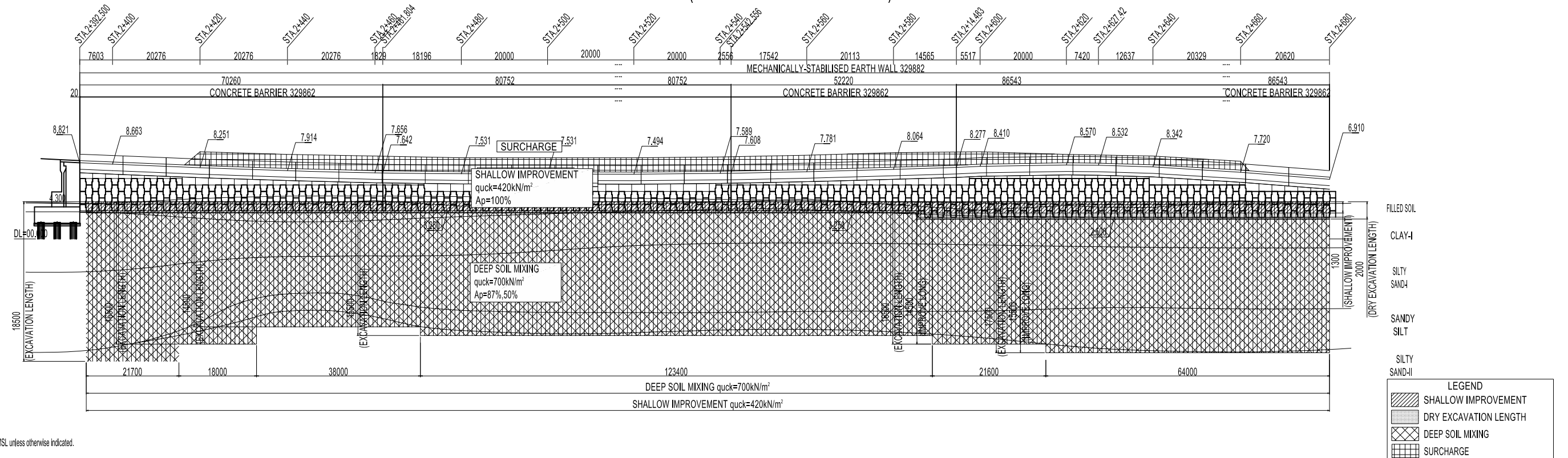
PACKAGE
2
DWG No.
P2-RD-4240

SOFT SOIL IMPROVEMENT MEASURES(1) PLAN

S=1:1000



PROFILE V=1:500 H=1:1000 LEFT SIDE(Develop FROM BACK SIDE)

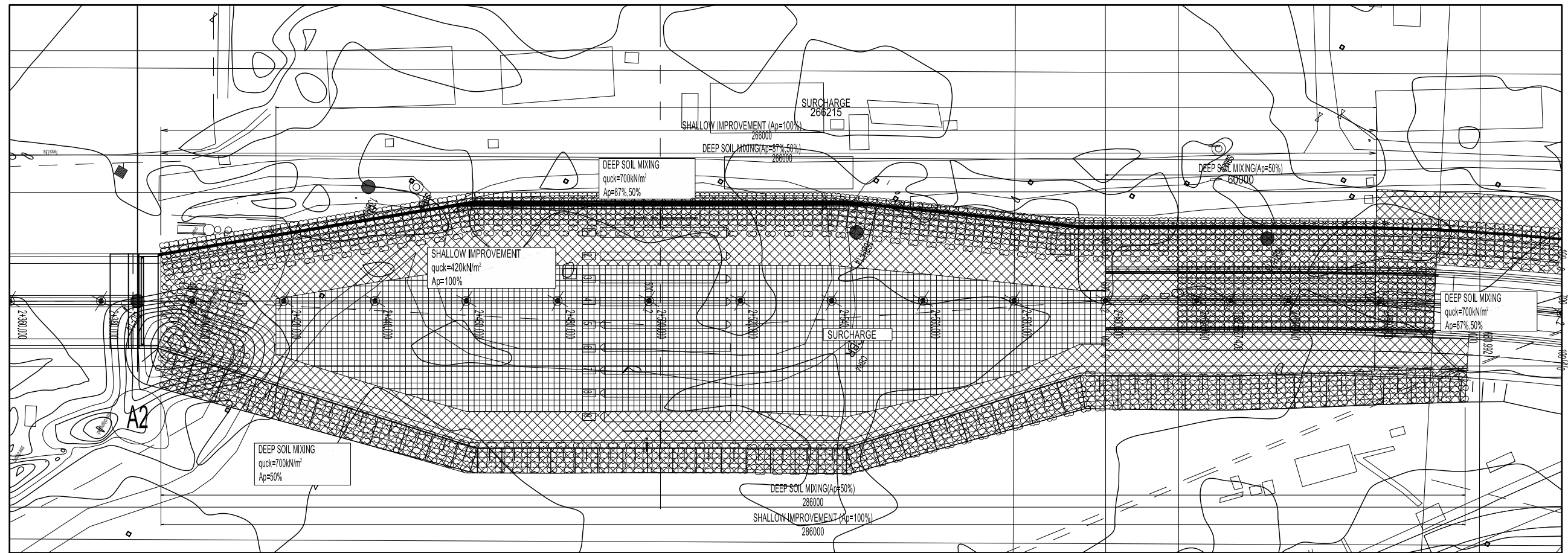


Elevation represents above MSL, unless otherwise indicated.

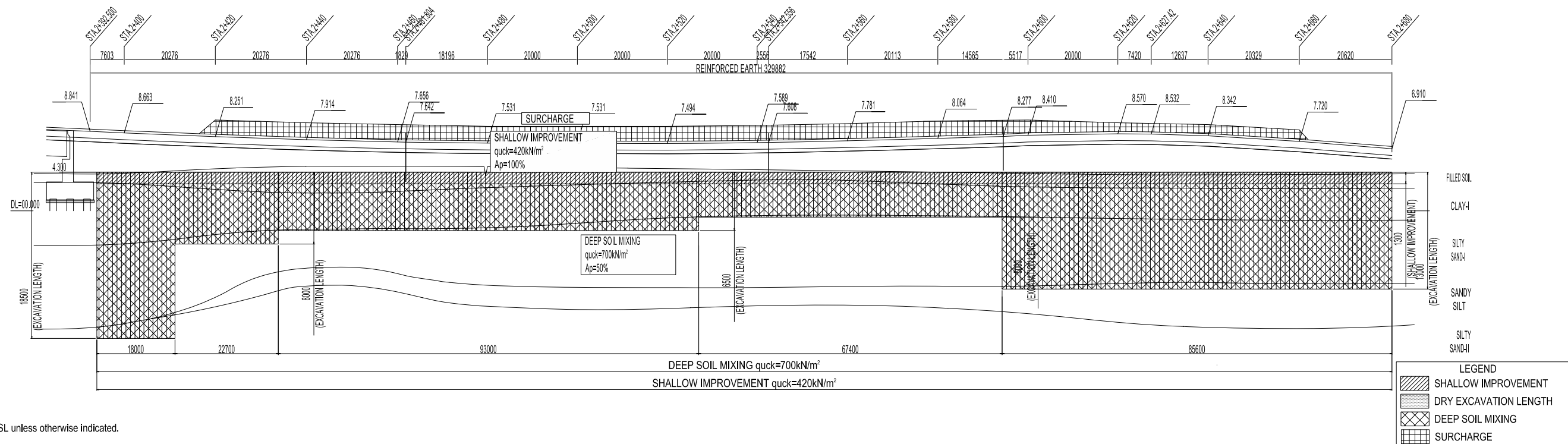
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME PREPARED BY R. HOSOKAWA CHECKED BY T. HAYAKAWA APPROVED BY Y. SANO	SIGNATURE 	DATE 29 Sept. 2017 3 Oct. 2017 6 Oct. 2017	DRAWING TITLE SOFT SOIL IMPROVEMENT MEASURES(1)	PACKAGE 2 DWG No. P2-RD-5000
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SOFT SOIL IMPROVEMENT MEASURES(2)

PLAN S=1:1000



PROFILE RIGHT SIDE V=1:500 H=1:1000

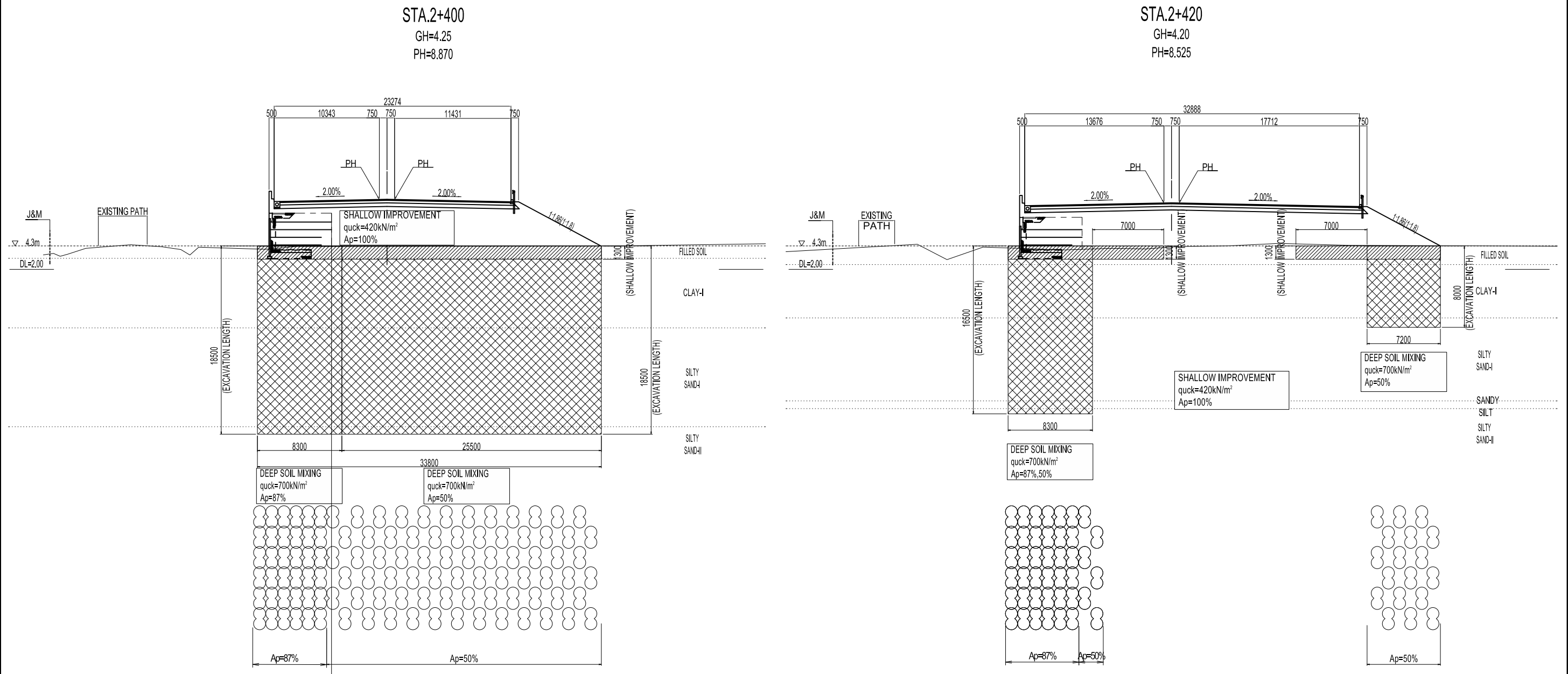


Elevation represents above MSL unless otherwise indicated.

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE	
				PREPARED BY	R. HOSOKAWA				29 Sept. 2017
				CHECKED BY	T. HAYAKAWA				3 Oct. 2017
				APPROVED BY	Y. SANO				6 Oct. 2017
							SOFT SOIL IMPROVEMENT MEASURES(2)	2	
								DWG No.	
								P2-RD-5010	

CROSS SECTION OF DEEP MIXING(1)

S=1:400



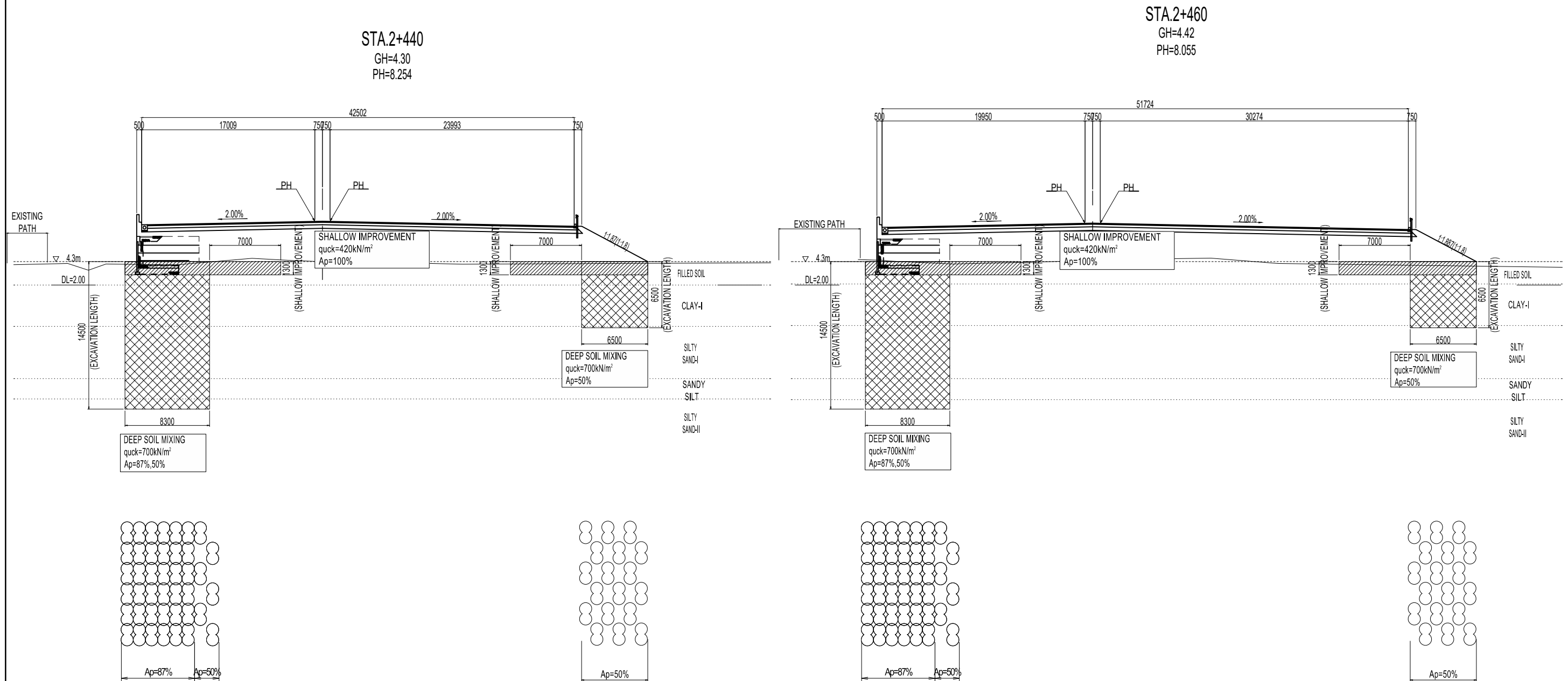
Elevation represents above MSL unless otherwise indicated.

LEGEND	
	SHALLOW IMPROVEMENT
	DRY EXCAVATION LENGTH
	DEEP SOIL MIXING
	SURCHARGE

PROJECT NAME	FINANCED BY	COUNTERPART	JICA STUDY TEAM	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE
DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY	REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	R. HOSOKAWA		29 Sept. 2017	CROSS SECTION OF DEEP MIXING(1)	2
				T. HAYAKAWA		3 Oct. 2017		DWG No.
				Y. SANO		6 Oct. 2017		P2-RD-5020

CROSS SECTION OF DEEP MIXING(2)

S=1:400



Elevation represents above MSL unless otherwise indicated.

LEGEND	
	SHALLOW IMPROVEMENT
	DRY EXCAVATION LENGTH
	DEEP SOIL MIXING
	SURCHARGE

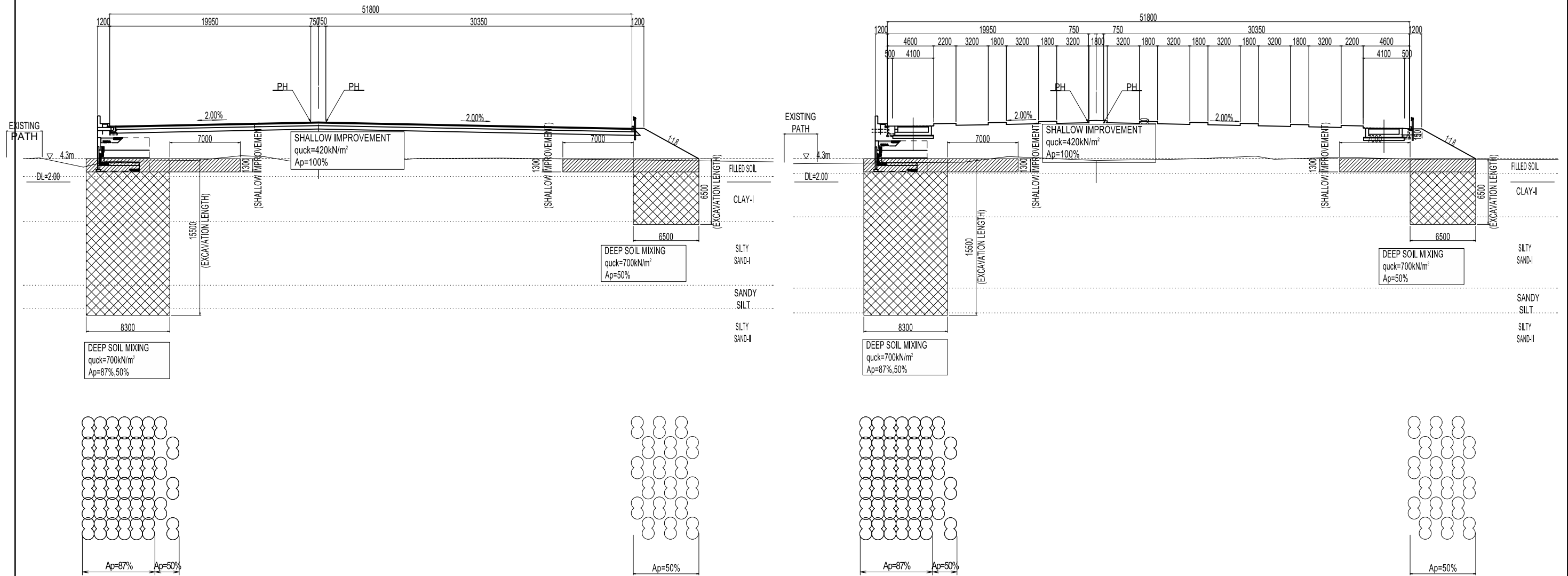
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO.,LTD. NIPPON ENGINEERING CONSULTANTS CO.,LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE			
				PREPARED BY	R. HOSOKAWA				29 Sept. 2017	CROSS SECTION OF DEEP MIXING(2)	2
				CHECKED BY	T. HAYAKAWA				3 Oct. 2017		DWG No.
				APPROVED BY	Y. SANO				6 Oct. 2017		P2-RD-5030

CROSS SECTION OF DEEP MIXING(3)

S=1:400

STA.2+480
GH=4.04
PH=7.930

STA.2+500
GH=4.14
PH=7.879



Elevation represents above MSL unless otherwise indicated.

LEGEND	
	SHALLOW IMPROVEMENT
	DRY EXCAVATION LENGTH
	DEEP SOIL MIXING
	SURCHARGE

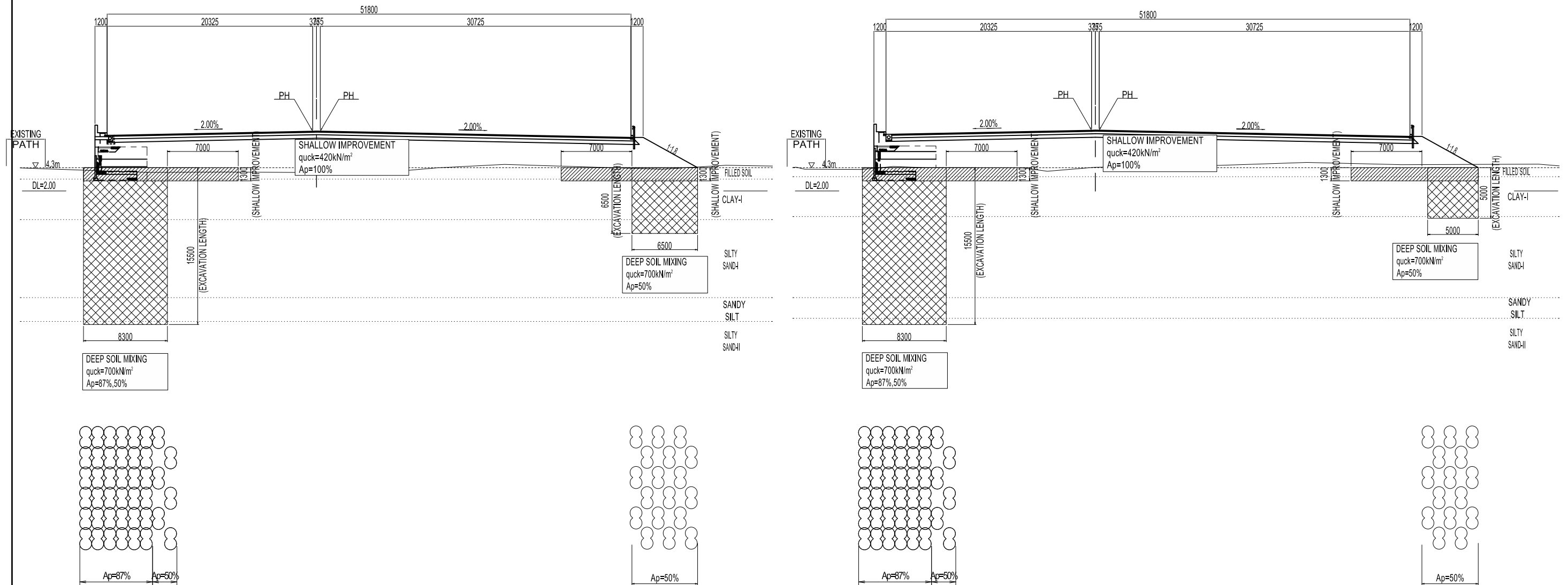
PROJECT NAME	FINANCED BY	COUNTERPART	JICA STUDY TEAM	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE
DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY	REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	R. HOSOKAWA		29 Sept. 2017	CROSS SECTION OF DEEP MIXING(3)	2
				T. HAYAKAWA		3 Oct. 2017		DWG No.
				Y. SANO		6 Oct. 2017		P2-RD-5040

CROSS SECTION OF DEEP MIXING(4)

S=1:400

STA.2+520
GH=3.82
PH=7.900

STA.2+540
GH=4.35
PH=7.995



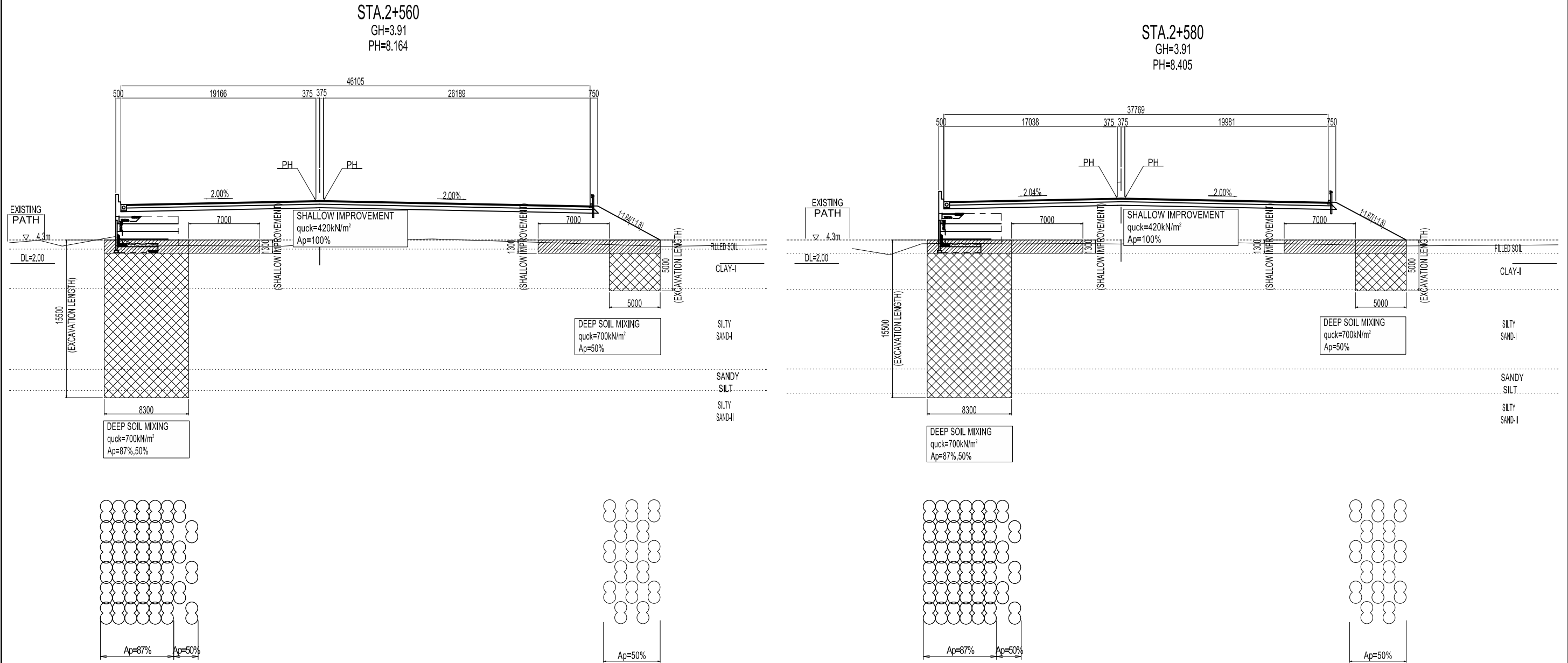
Elevation represents above MSL unless otherwise indicated.

LEGEND	
	SHALLOW IMPROVEMENT
	DRY EXCAVATION LENGTH
	DEEP SOIL MIXING
	SURCHARGE

PROJECT NAME	FINANCED BY	COUNTERPART	JICA STUDY TEAM	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE
DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY	REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	R. HOSOKAWA		29 Sept. 2017	CROSS SECTION OF DEEP MIXING(4)	2
				T. HAYAKAWA		3 Oct. 2017		DWG No.
				Y. SANO		6 Oct. 2017		P2-RD-5050

CROSS SECTION OF DEEP MIXING(5)

S=1:400



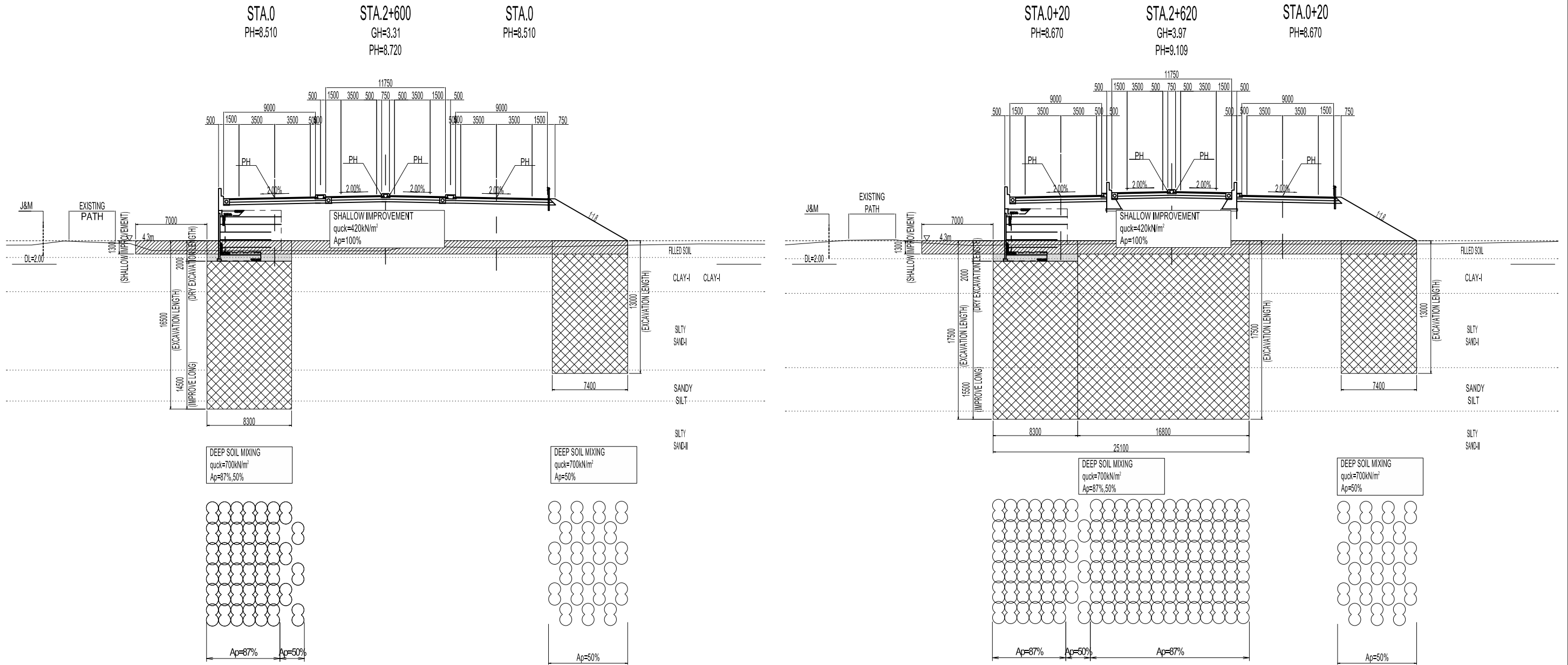
Elevation represents above MSL, unless otherwise indicated.

LEGEND	
	SHALLOW IMPROVEMENT
	DRY EXCAVATION LENGTH
	DEEP SOIL MIXING
	SURCHARGE

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE CROSS SECTION OF DEEP MIXING(5)	PACKAGE 2 DWG No. P2-RD-5060	
				PREPARED BY	R. HOSOKAWA				29 Sept. 2017
				CHECKED BY	T. HAYAKAWA				3 Oct. 2017
				APPROVED BY	Y. SANO				6 Oct. 2017

CROSS SECTION OF DEEP MIXING(6)

S-1:400



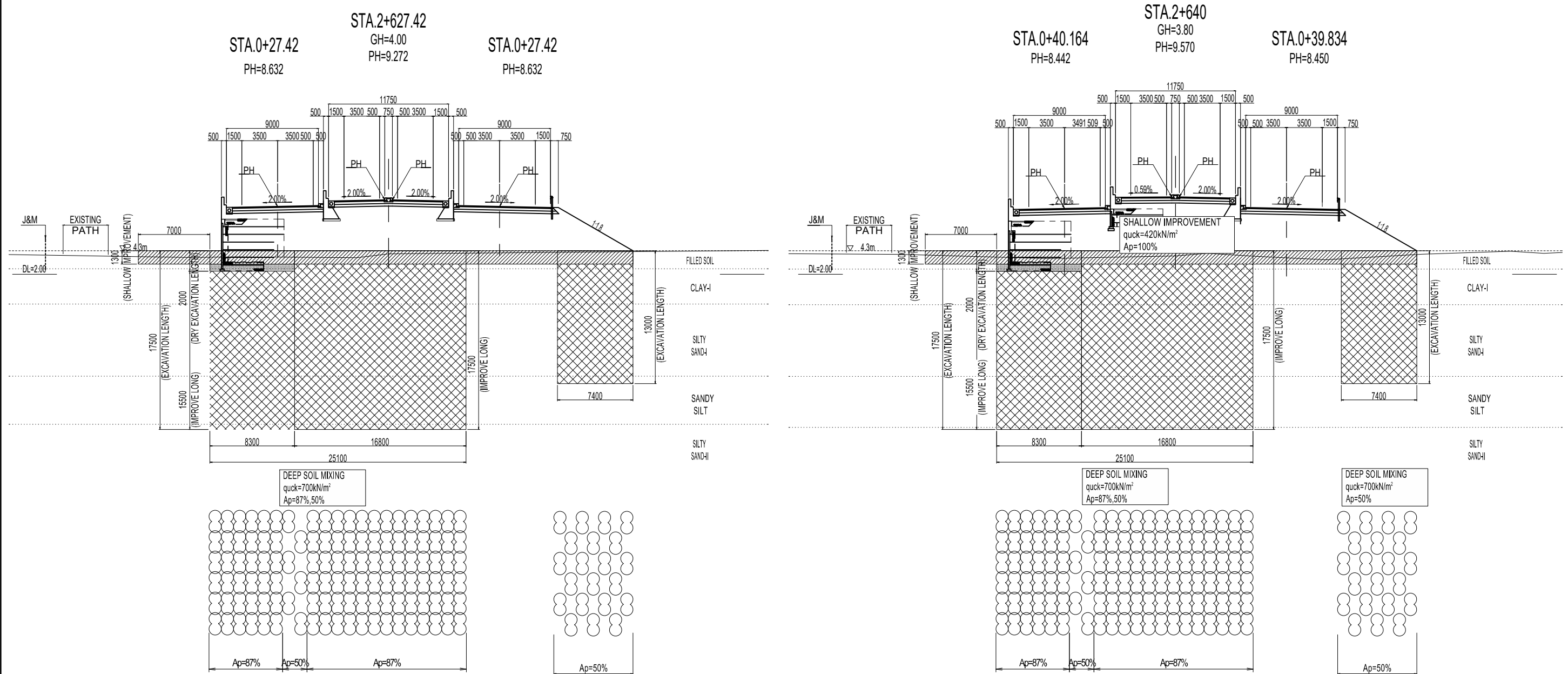
Elevation represents above MSL, unless otherwise indicated.

LEGEND	
	SHALLOW IMPROVEMENT
	DRY EXCAVATION LENGTH
	DEEP SOIL MIXING
	SURCHARGE

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE	
				PREPARED BY	R. HOSOKAWA				29 Sept. 2017
				CHECKED BY	T. HAYAKAWA				3 Oct. 2017
				APPROVED BY	Y. SANO				6 Oct. 2017
							CROSS SECTION OF DEEP MIXING(6)	2	
								DWG No.	
								R2-RD-5070	

CROSS SECTION OF DEEP MIXING(7)

S=1:400



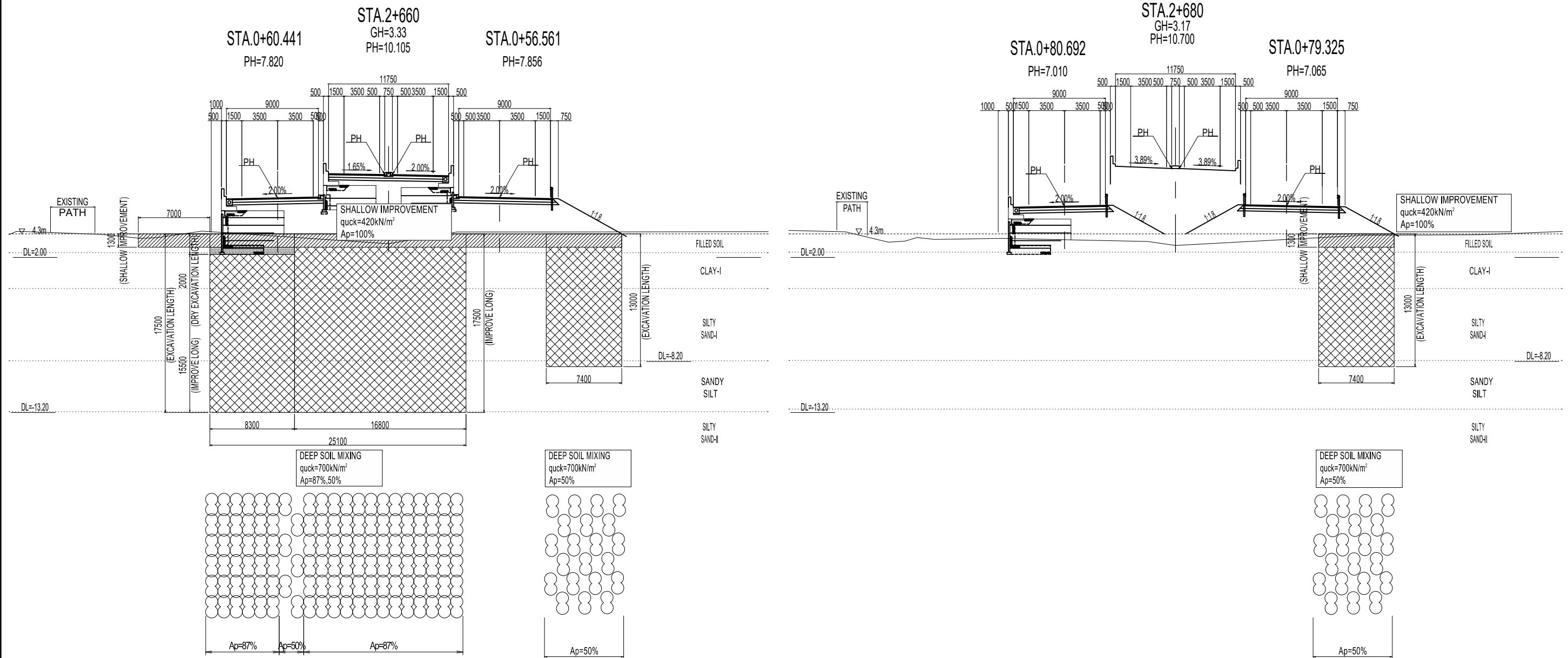
Elevation represents above MSL unless otherwise indicated.

LEGEND	
	SHALLOW IMPROVEMENT
	DRY EXCAVATION LENGTH
	DEEP SOIL MIXING
	SURCHARGE

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO.,LTD. NIPPON ENGINEERING CONSULTANTS CO.,LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE			
				PREPARED BY	R. HOSOKAWA				29 Sept. 2017	CROSS SECTION OF DEEP MIXING(7)	2
				CHECKED BY	T. HAYAKAWA				3 Oct. 2017		DWG No.
				APPROVED BY	Y. SANO				6 Oct. 2017		P2-RD-5080

CROSS SECTION OF DEEP MIXING(8)

S=1:400



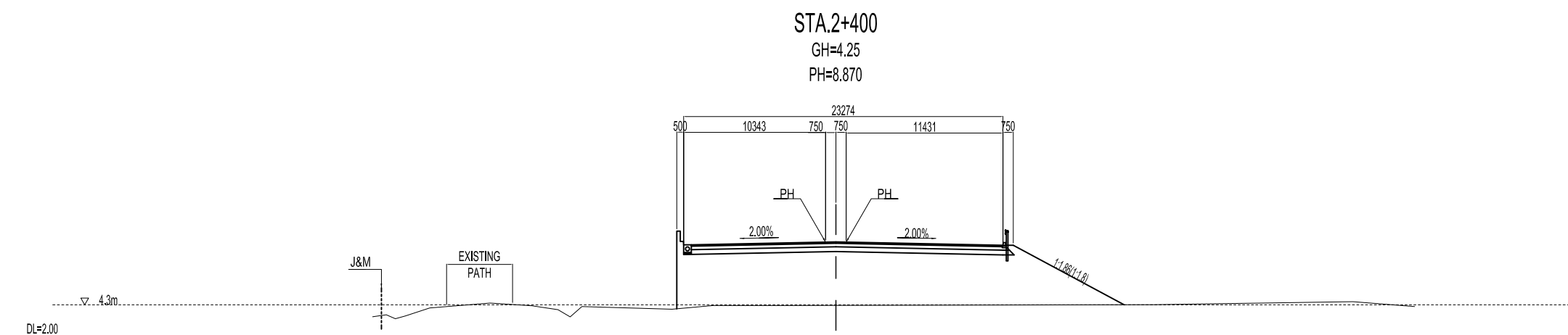
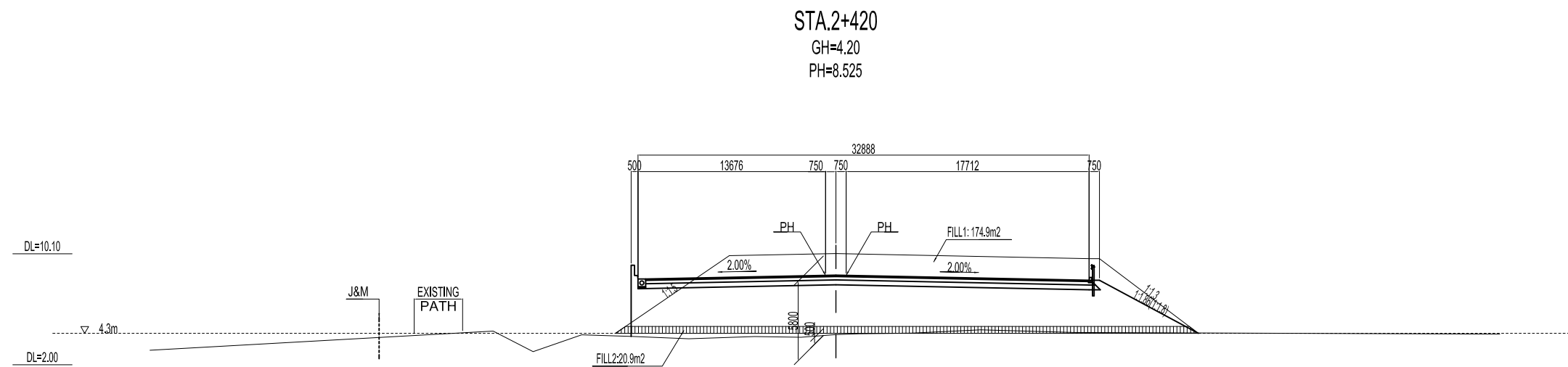
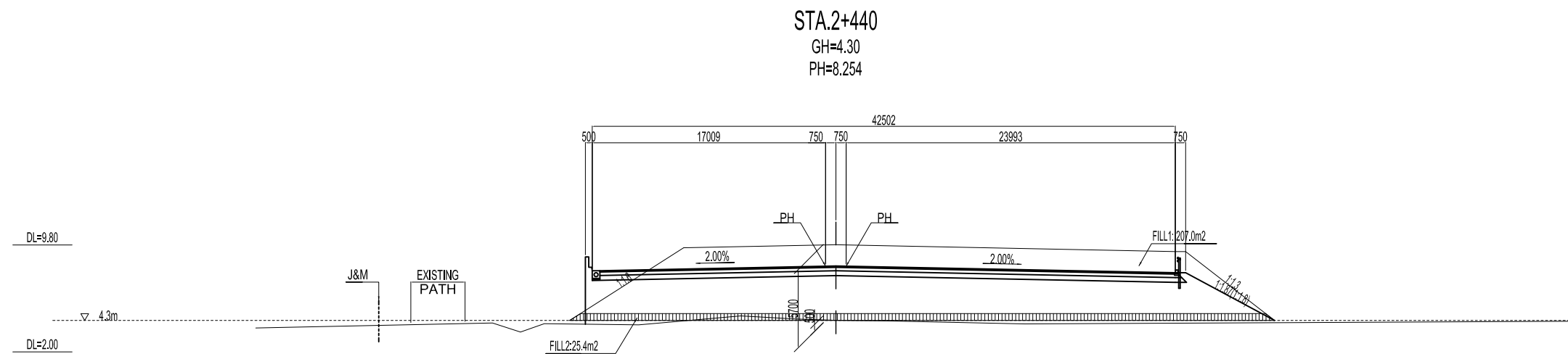
Elevation represents above MSL unless otherwise indicated.

LEGEND	
	SHALLOW IMPROVEMENT
	DRY EXCAVATION LENGTH
	DEEP SOIL MIXING
	SURCHARGE

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO.,LTD. NIPPON ENGINEERING CONSULTANTS CO.,LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE CROSS SECTION OF DEEP MIXING(8)	PACKAGE 2 DWG No. P2-RD-5090	
				PREPARED BY	R. HOSOKAWA				29 Sept. 2017
				CHECKED BY	T. HAYAKAWA				3 Oct. 2017
				APPROVED BY	Y. SANO				6 Oct. 2017

CROSS SECTION OF SURCHARGE(1)

S=1:400



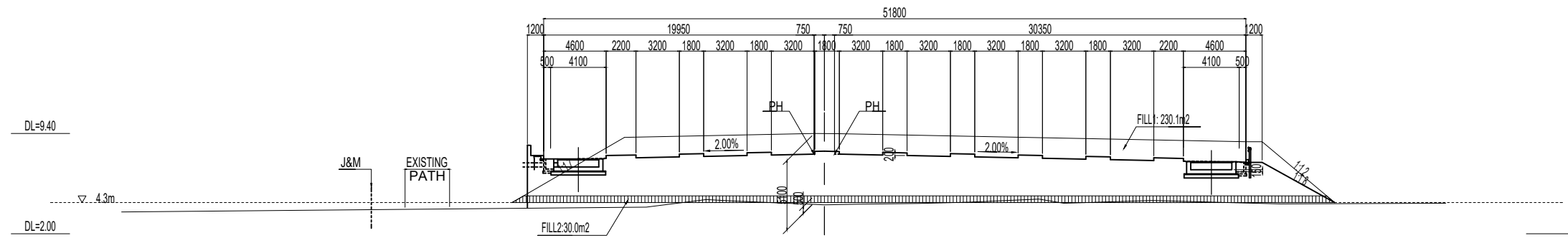
Elevation represents above MSL unless otherwise indicated.

LEGEND
SAND MAT

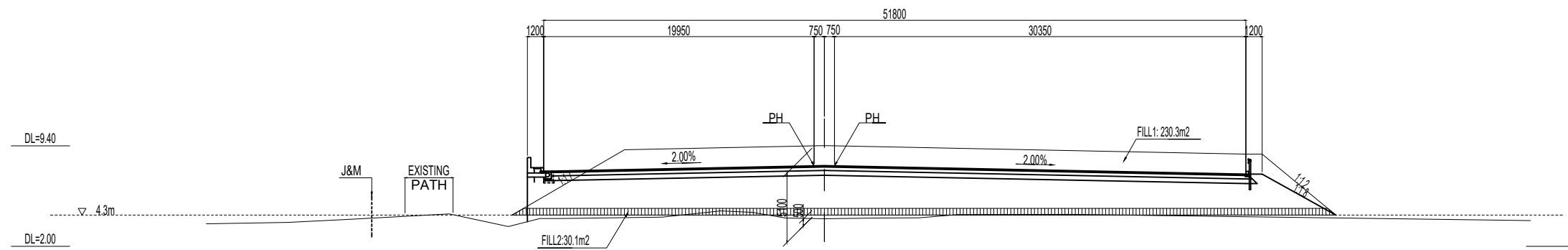
PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO., LTD. NIPPON ENGINEERING CONSULTANTS CO., LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE CROSS SECTION OF SURCHARGE(1)	PACKAGE	
				PREPARED BY	R. HOSOKAWA			29 Sept. 2017	2
				CHECKED BY	T. HAYAKAWA			3 Oct. 2017	DWG No.
				APPROVED BY	Y. SANO			6 Oct. 2017	P2-RD-5100

CROSS SECTION OF SURCHARGE(2) S=1:400

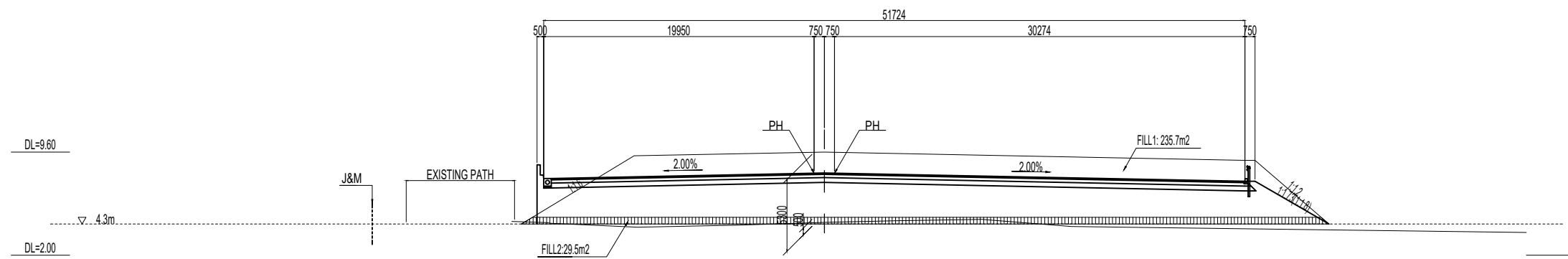
STA.2+500
GH=4.14
PH=7.879



STA.2+480
GH=4.04
PH=7.930



STA.2+460
GH=4.42
PH=8.055



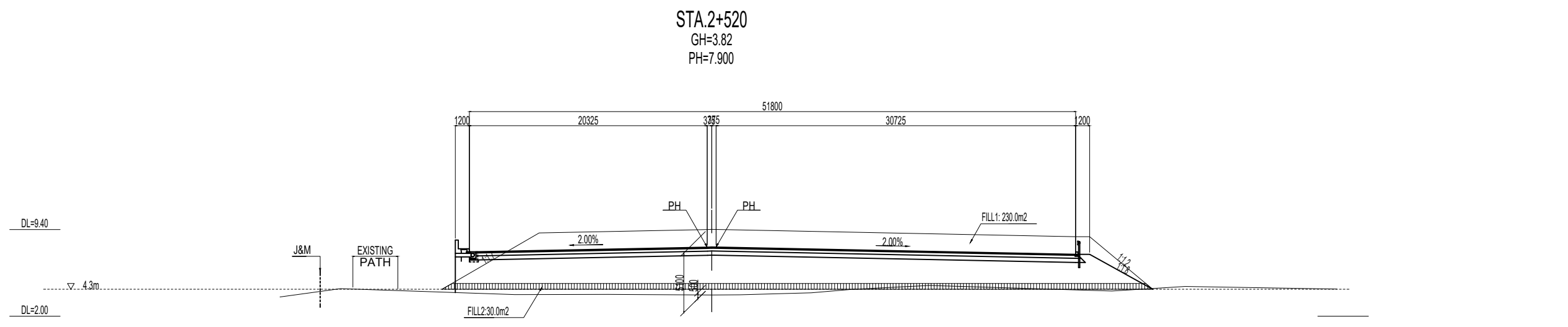
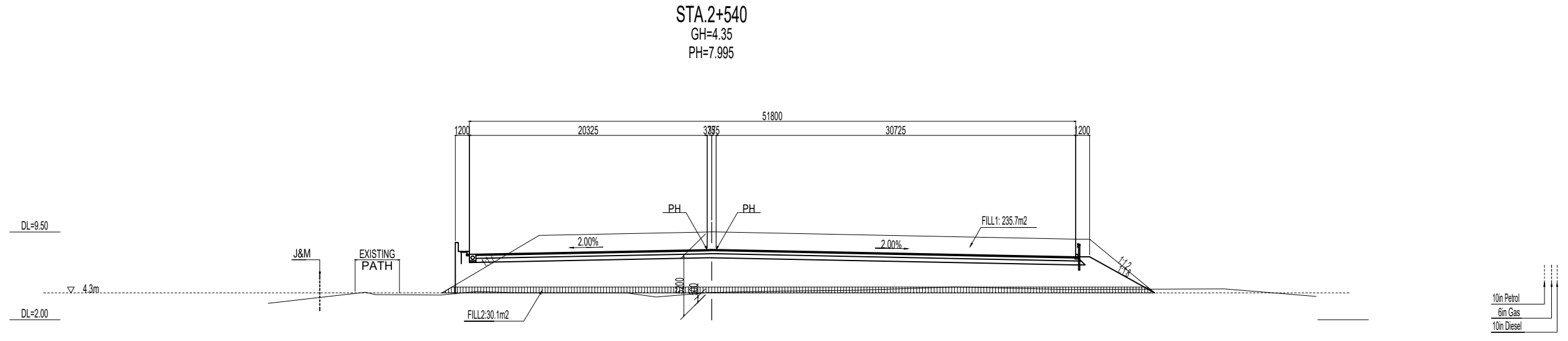
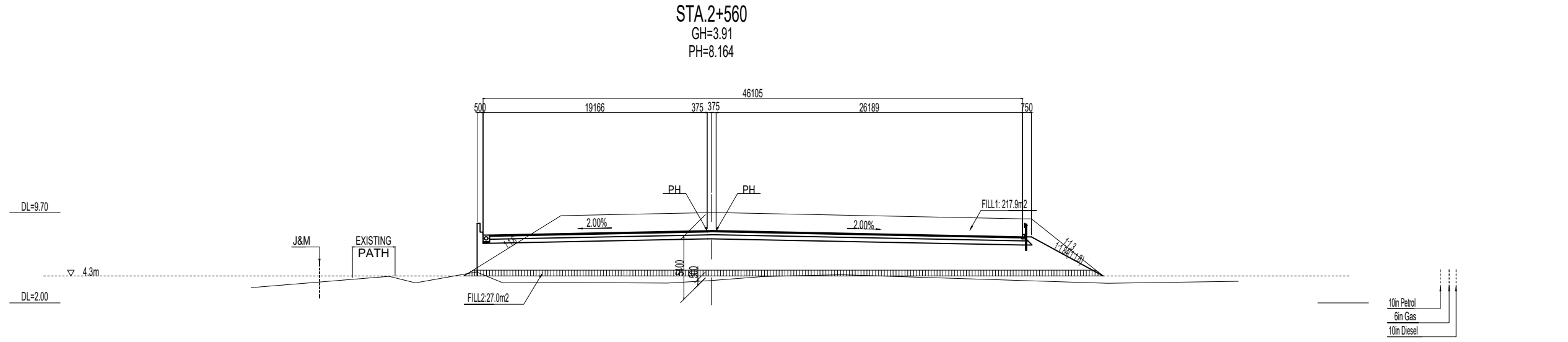
Elevation represents above MSL unless otherwise indicated.

LEGEND	
	SAND MAT

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO.,LTD. NIPPON ENGINEERING CONSULTANTS CO.,LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE CROSS SECTION OF SURCHARGE(2)	PACKAGE 2 DWG No. P2-RD-5110	
				PREPARED BY	R. HOSOKAWA				29 Sept. 2017
				CHECKED BY	T. HAYAKAWA				3 Oct. 2017
				APPROVED BY	Y. SANO				6 Oct. 2017

CROSS SECTION OF SURCHARGE(3)

S=1:400



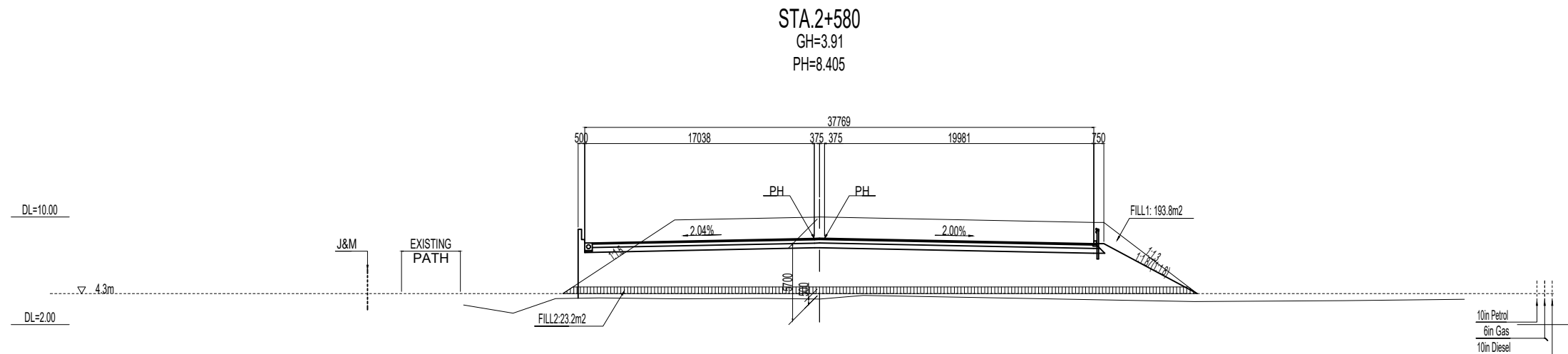
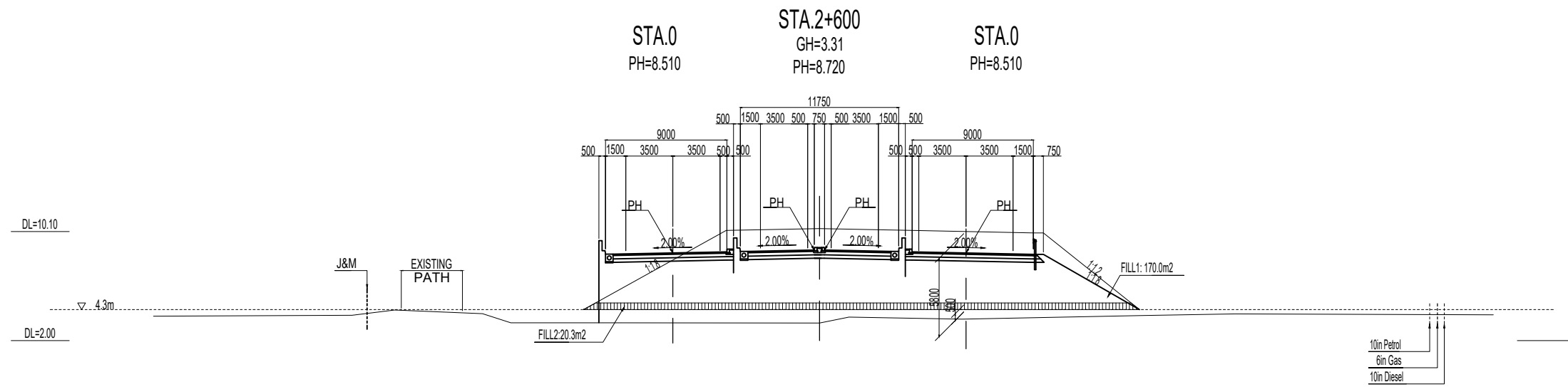
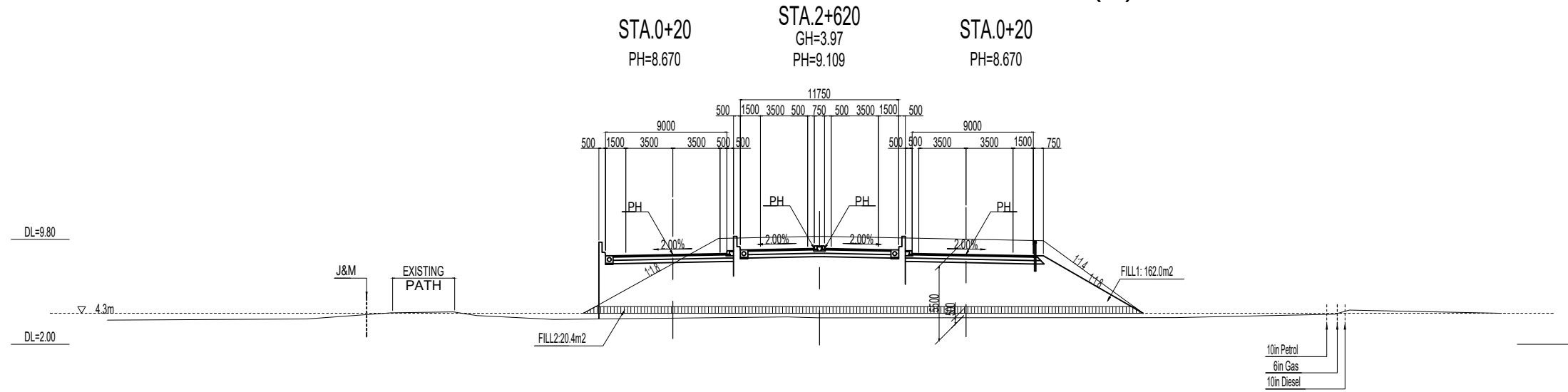
Elevation represents above MSL unless otherwise indicated.

LEGEND	
	SAND MAT

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO.,LTD. NIPPON ENGINEERING CONSULTANTS CO.,LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE			
				PREPARED BY	R. HOSOKAWA				29 Sept. 2017	CROSS SECTION OF SURCHARGE(3)	2
				CHECKED BY	T. HAYAKAWA				3 Oct. 2017		DWG No.
				APPROVED BY	Y. SANO				6 Oct. 2017		P2-RD-5120

CROSS SECTION OF SURCHARGE(4)

S=1:400



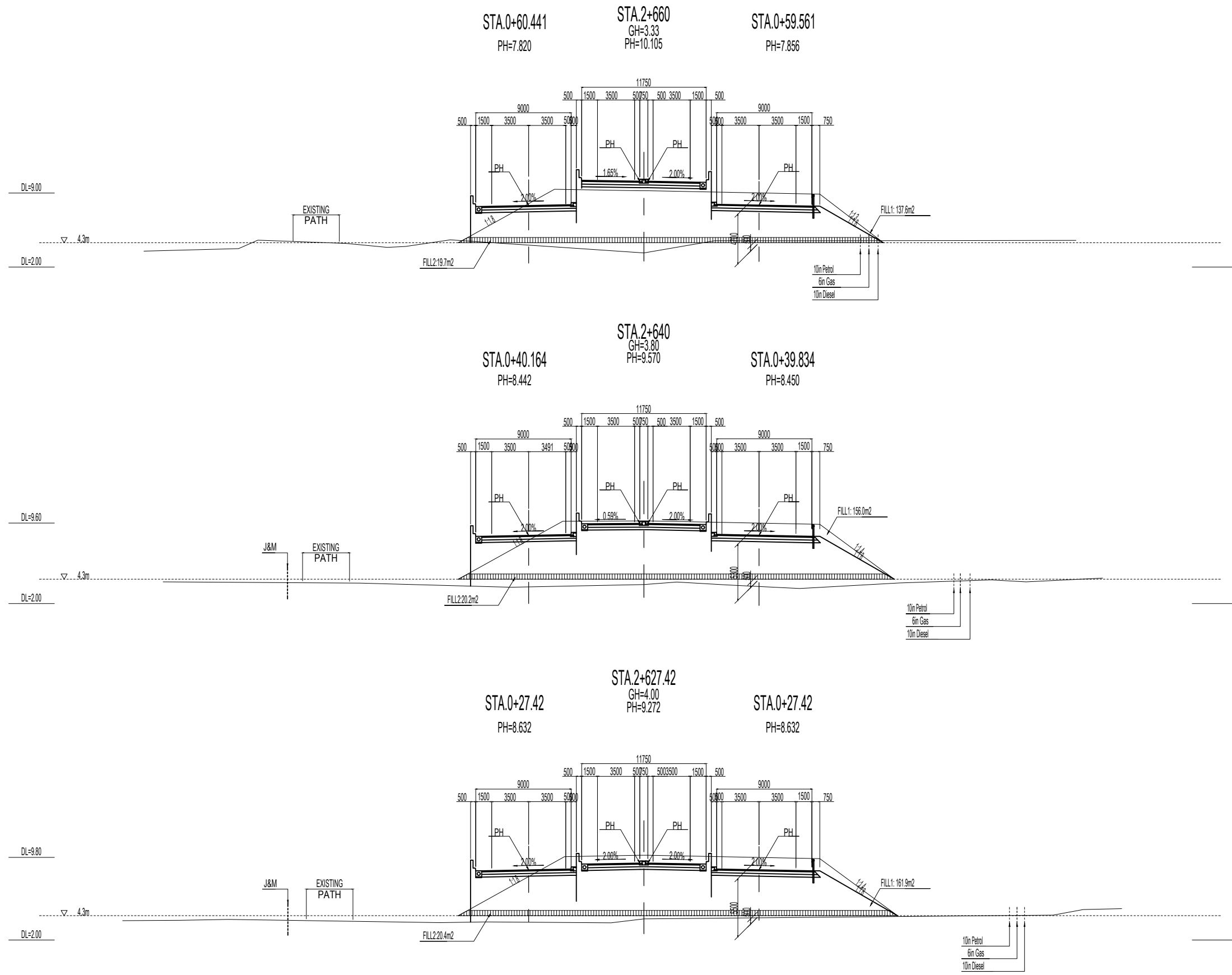
Elevation represents above MSL unless otherwise indicated.

LEGEND	
	SAND MAT

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO.,LTD. NIPPON ENGINEERING CONSULTANTS CO.,LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE			
				PREPARED BY	R. HOSOKAWA				29 Sept. 2017	CROSS SECTION OF SURCHARGE(4)	2
				CHECKED BY	T. HAYAKAWA				3 Oct. 2017		DWG No.
				APPROVED BY	Y. SANO				6 Oct. 2017		P2-RD-5130

CROSS SECTION OF SURCHARGE(5)

S=1:400



Elevation represents above MSL unless otherwise indicated.

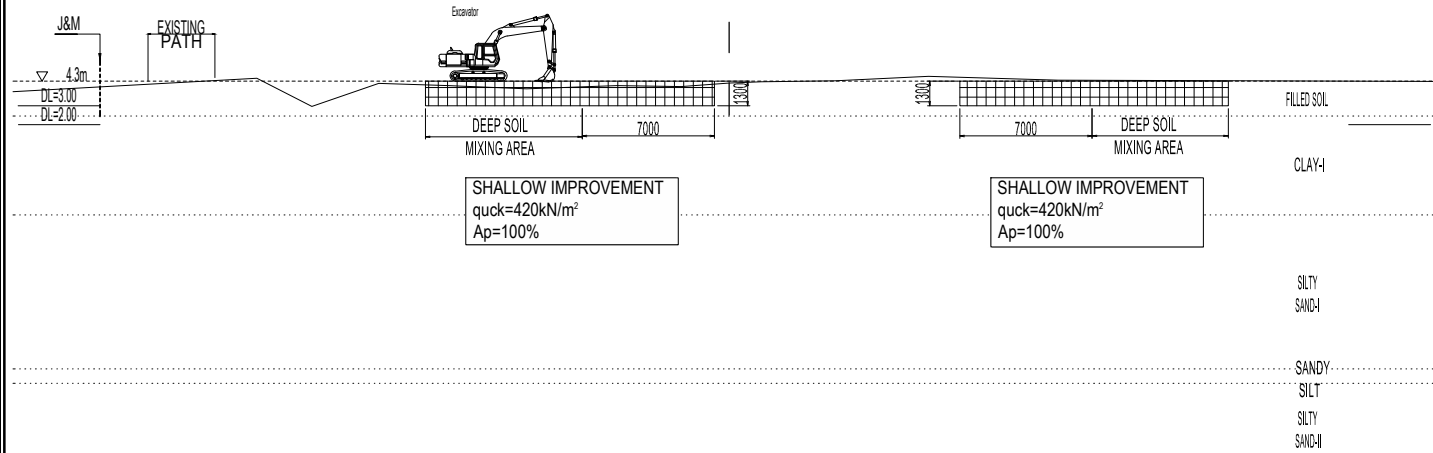
LEGEND
SAND MAT

PROJECT NAME DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	FINANCED BY JAPAN INTERNATIONAL COOPERATION AGENCY	COUNTERPART REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	JICA STUDY TEAM NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO.,LTD. NIPPON ENGINEERING CONSULTANTS CO.,LTD.	NAME	SIGNATURE	DATE	DRAWING TITLE CROSS SECTION OF SURCHARGE(5)	PACKAGE	
				PREPARED BY	R. HOSOKAWA			29 Sept. 2017	2
				CHECKED BY	T. HAYAKAWA			3 Oct. 2017	DWG No.
				APPROVED BY	Y. SANO			6 Oct. 2017	P2-RD-5140

(REFERENCE) CONSTRUCTION PROCEDURE(1) S=1:400

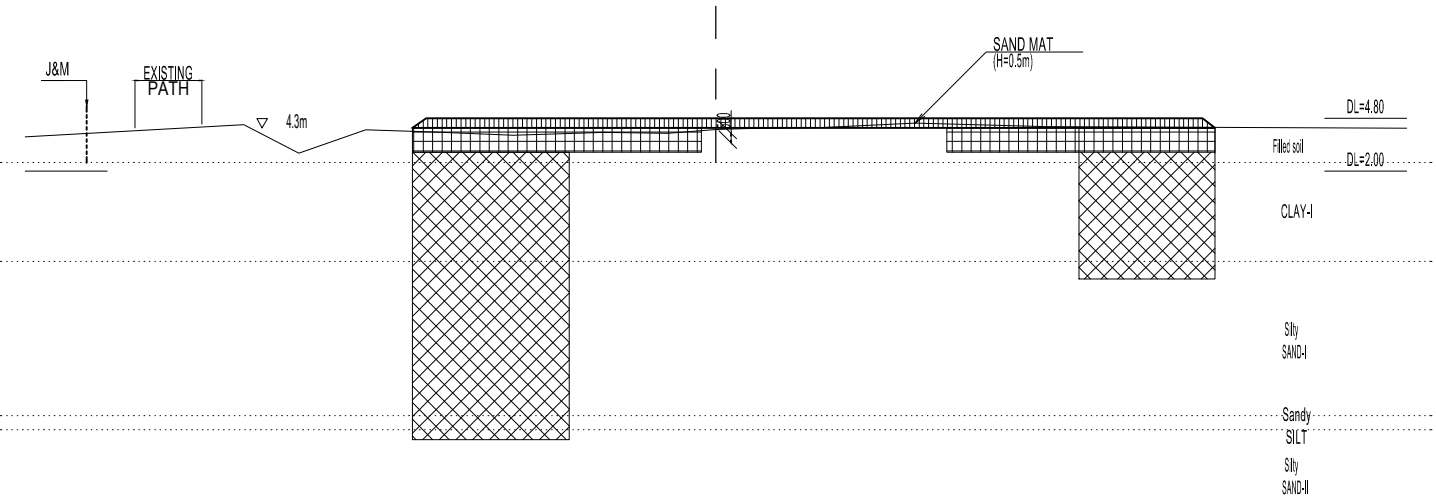
1.CONSTRUCTION OF SHALLOW IMPROVEMENT

STA.2+420
GH=4.20
PH=8.525



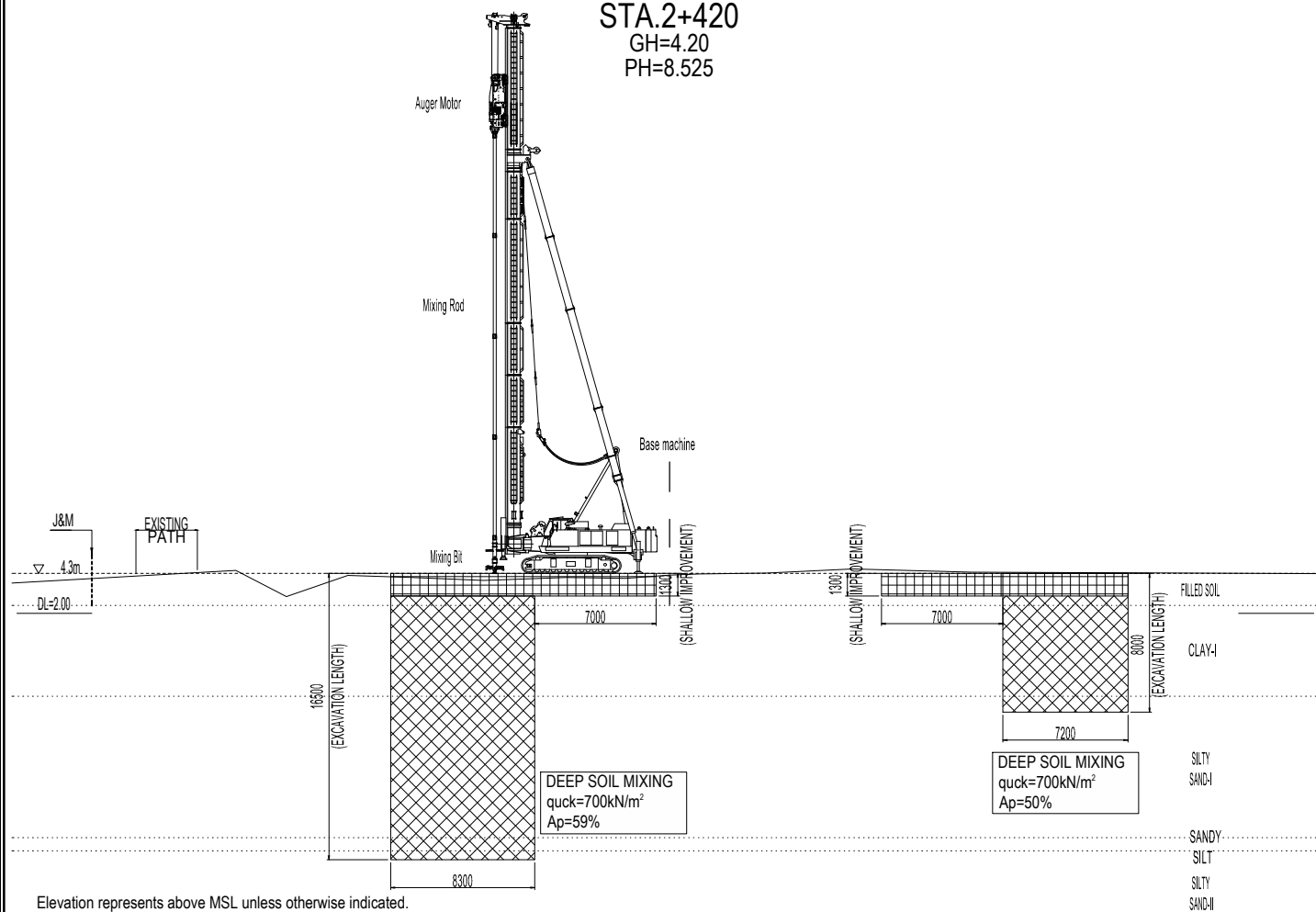
3.CONSTRUCTION OF SAND MAT

STA.2+420
GH=4.20
PH=8.525

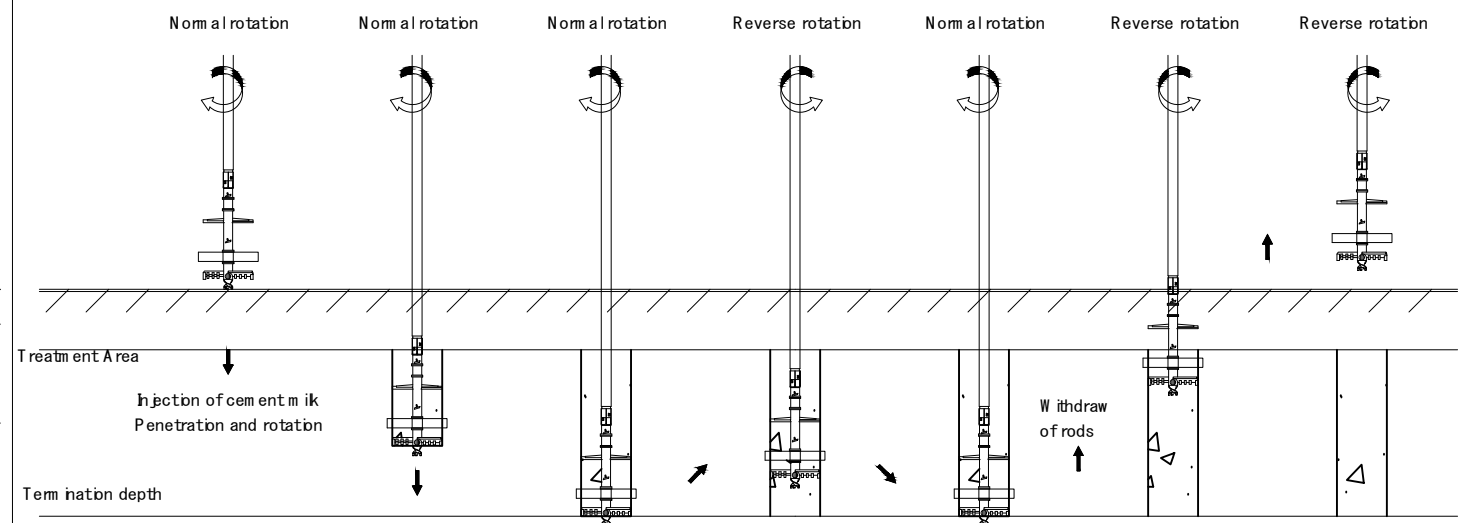


2.CONSTRUCTION OF DEEP SOIL MIXING

STA.2+420
GH=4.20
PH=8.525



CONSTRUCTION CYCLE



LEGEND	
	SAND MAT
	DEEP SOIL MIXING
	SURCHARGE

PROJECT NAME
DETAILED DESIGN ON
BAGO RIVER BRIDGE
CONSTRUCTION PROJECT

FINANCED BY
 JAPAN INTERNATIONAL
COOPERATION AGENCY

COUNTERPART
 REPUBLIC OF THE UNION OF MYANMAR
MINISTRY OF CONSTRUCTION
DEPARTMENT OF BRIDGE

JICA STUDY TEAM
 NIPPON KOEI CO., LTD.
 ORIENTAL CONSULTANTS GLOBAL CO., LTD.
 METROPOLITAN EXPRESSWAY COMPANY LIMITED
 CHODAI CO.,LTD.
 NIPPON ENGINEERING CONSULTANTS CO.,LTD.

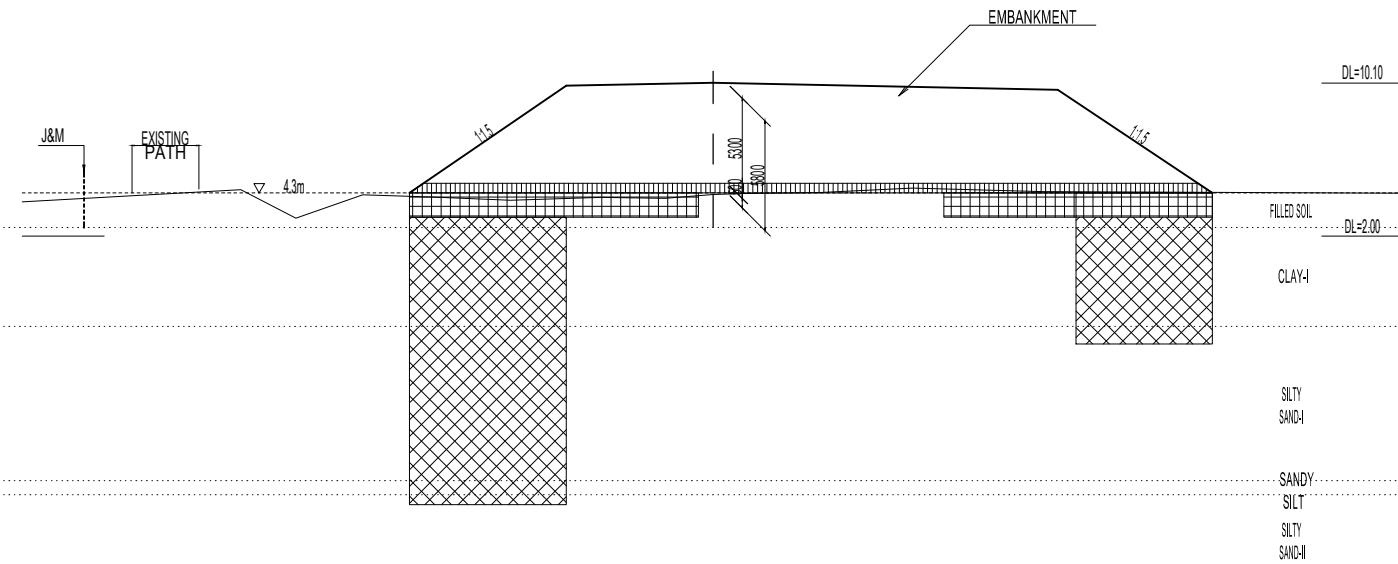
	NAME	SIGNATURE	DATE
PREPARED BY	R. HOSOKAWA		29 Sept. 2017
CHECKED BY	T. HAYAKAWA		3 Oct. 2017
APPROVED BY	Y. SANO		6 Oct. 2017

DRAWING TITLE	PACKAGE
(REFERENCE) CONSTRUCTION PROCEDURE(1)	2
	DWG No.
	P2-RD-5150

(REFERENCE) CONSTRUCTION PROCEDURE(2) S=1:400

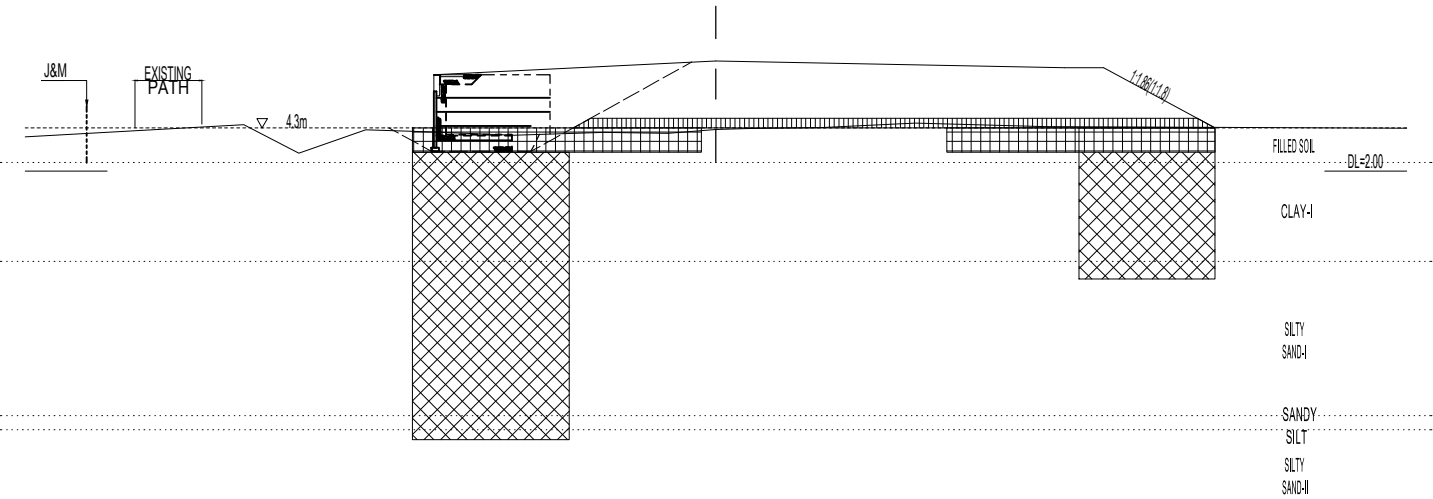
4. EMBANKMENT CONSTRUCTION

STA.2+420
GH=4.20
PH=8.525



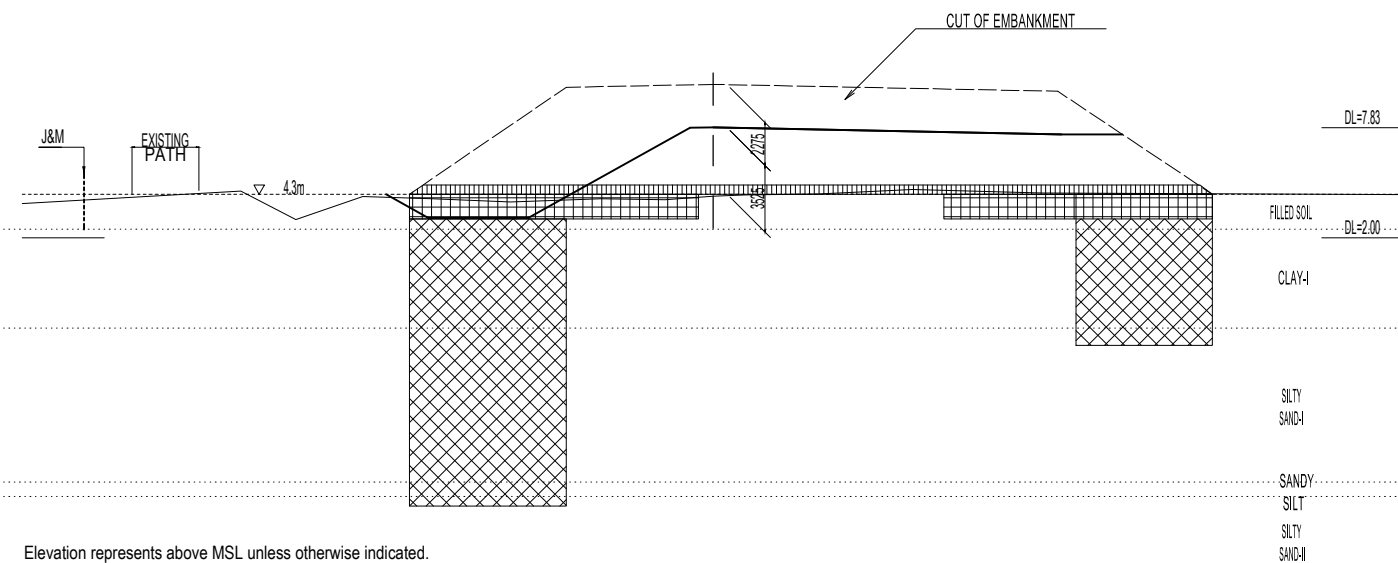
6. CONSTRUCTION OF MECHANICALLY-STABILISED EARTH WALL

STA.2+420
GH=4.20
PH=8.525



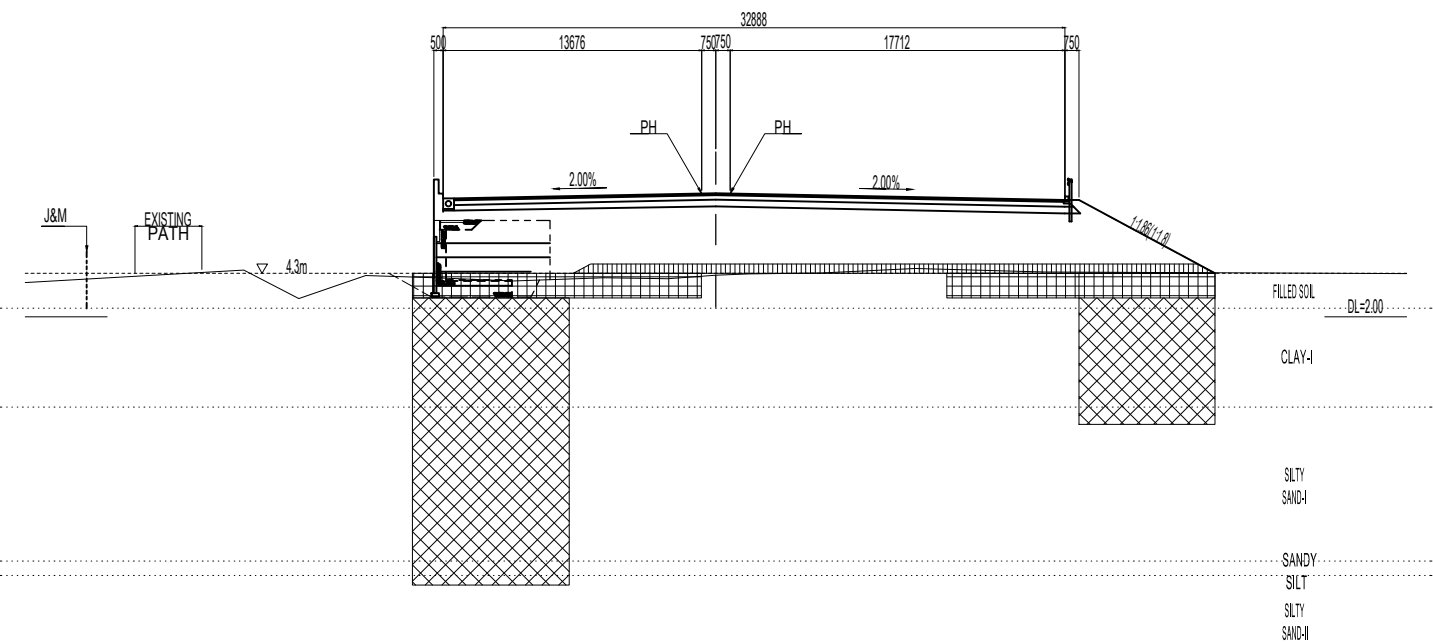
5. CUT OF EMBANKMENT

STA.2+420
GH=4.20
PH=8.525



7. PAVING WORK ETC.

STA.2+420
GH=4.20
PH=8.525



LEGEND	
	SAND MAT
	DEEP SOIL MIXING
	SURCHARGE

Elevation represents above MSL unless otherwise indicated.

PROJECT NAME	FINANCED BY	COUNTERPART	JICA STUDY TEAM	NAME	SIGNATURE	DATE	DRAWING TITLE	PACKAGE
DETAILED DESIGN ON BAGO RIVER BRIDGE CONSTRUCTION PROJECT	JICA JAPAN INTERNATIONAL COOPERATION AGENCY	REPUBLIC OF THE UNION OF MYANMAR MINISTRY OF CONSTRUCTION DEPARTMENT OF BRIDGE	NIPPON KOEI CO., LTD. ORIENTAL CONSULTANTS GLOBAL CO., LTD. METROPOLITAN EXPRESSWAY COMPANY LIMITED CHODAI CO.,LTD. NIPPON ENGINEERING CONSULTANTS CO.,LTD.	R. HOSOKAWA		29 Sept. 2017	(REFERENCE) CONSTRUCTION PROCEDURE(2)	2
				T. HAYAKAWA		3 Oct. 2017		DWG No.
				Y. SANO		6 Oct. 2017		P2-RD-5160