

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED.

DEPARTMENT OF AGRARIAN REFORM
THE REPUBLIC OF THE PHILIPPINES

BASIC DESIGN STUDY
ON THE BRIDGE CONSTRUCTION PROJECT
FOR EXPANDED AGRARIAN REFORM
COMMUNITIES DEVELOPMENT

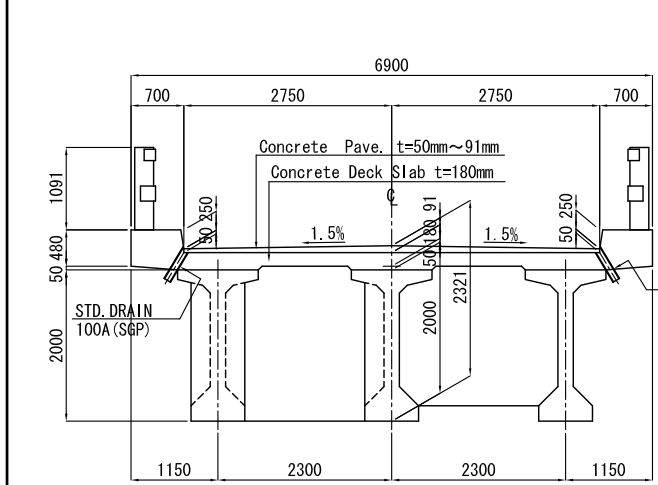
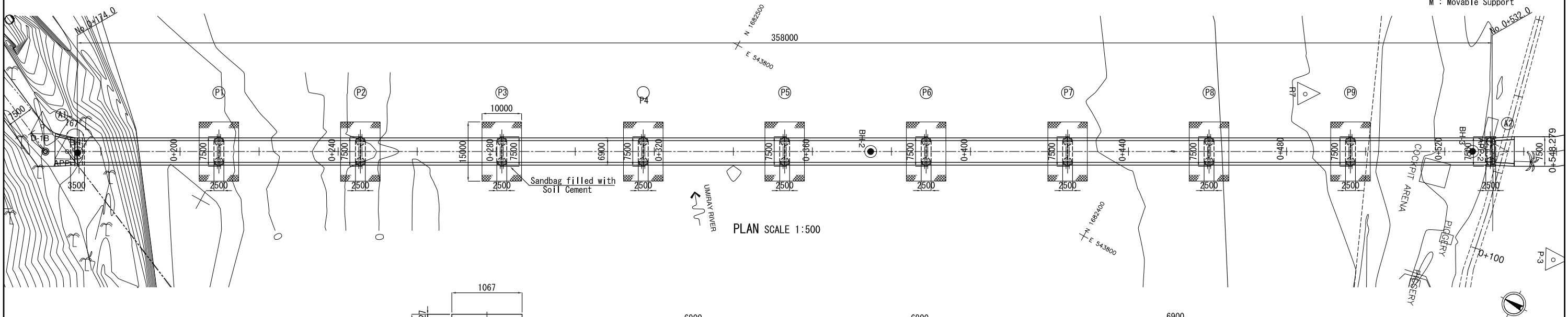
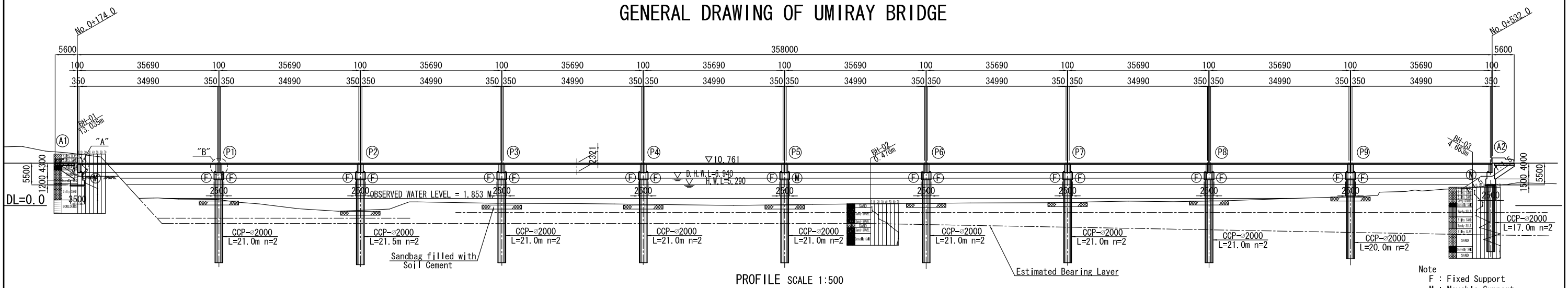
JAPAN INTERNATIONAL COOPERATION AGENCY
CTI ENGINEERING INTERNATIONAL CO., LTD.

TITLE : UMIRAY BRIDGE
TYPICAL CROSS SECTION
OF TEMPORARY WORKS

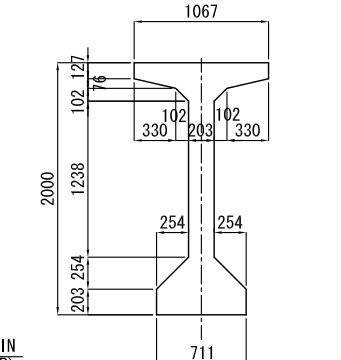
SCALE
S=1:50

Drawing No.
U09

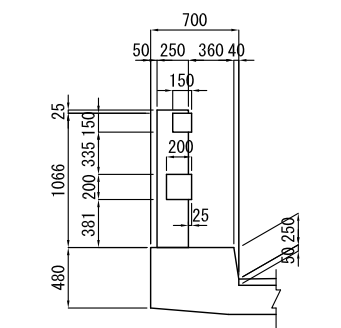
GENERAL DRAWING OF UMRAY BRIDGE



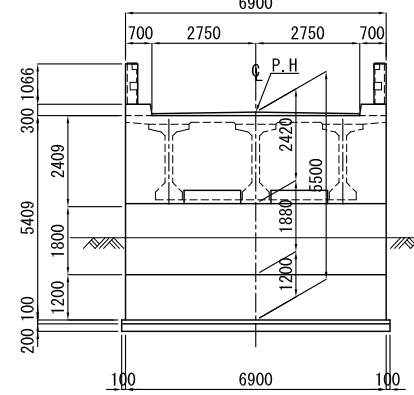
BRIDGE CROSS SECTION SCALE 1:50



PC GIRDER TYPE VI (Modified) SCALE 1:30

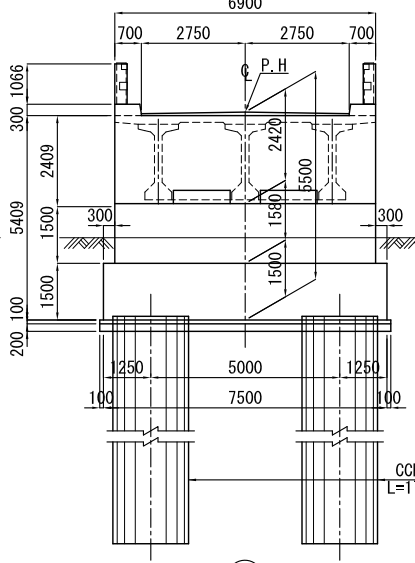


DETAIL SCALE 1:30

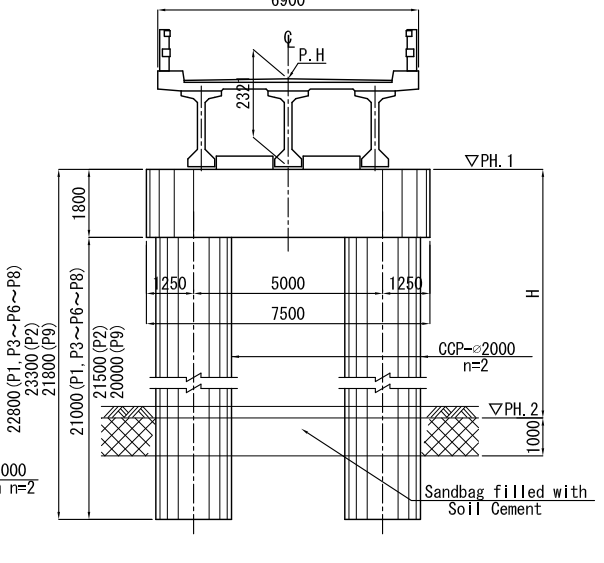


A1

ABUTMENT SCALE 1:100

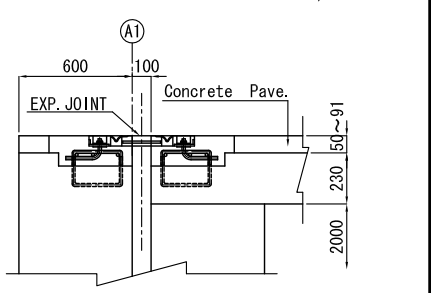


A2

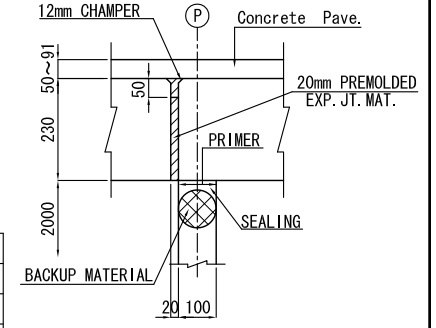


PIERS SCALE 1:100

	P1	P2	P3	P4	P5	P6	P7	P8	P9
PH. 1	8.366	8.366	8.366	8.366	8.348	8.366	8.366	8.366	8.366
PH. 2	1.166	-1.434	0.166	0.166	0.148	0.566	0.766	1.166	2.166
H	7200	9800	8200	8200	8200	7800	7600	7200	6200



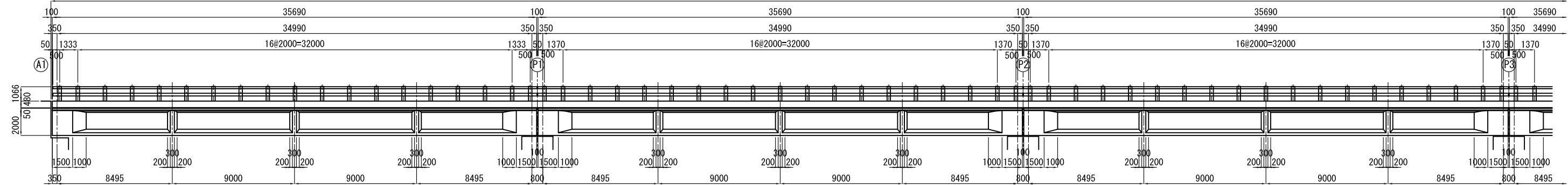
DETAIL "A" SCALE 1:20



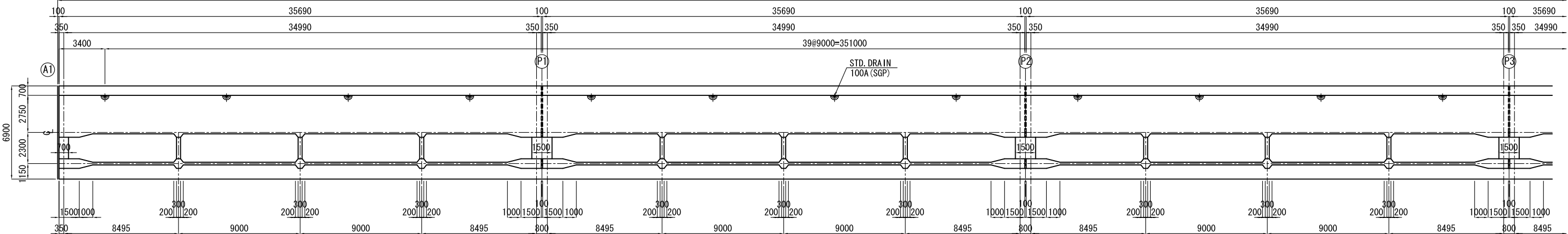
DETAIL "B" SCALE 1:10

STRUCTURAL DRAWING OF SUPERSTURCTURE (1)

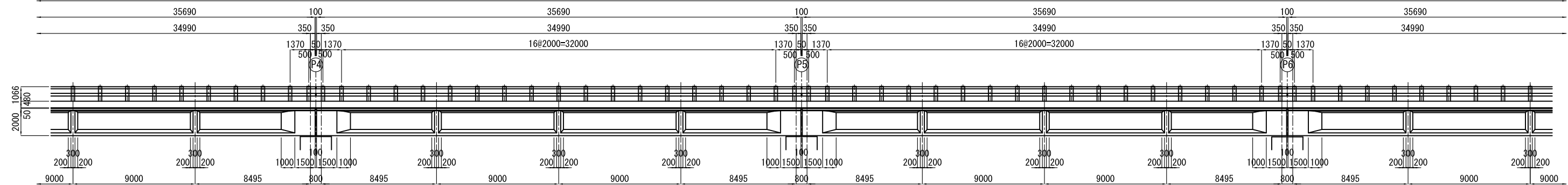
ELEVATION SCALE 1:150
358000



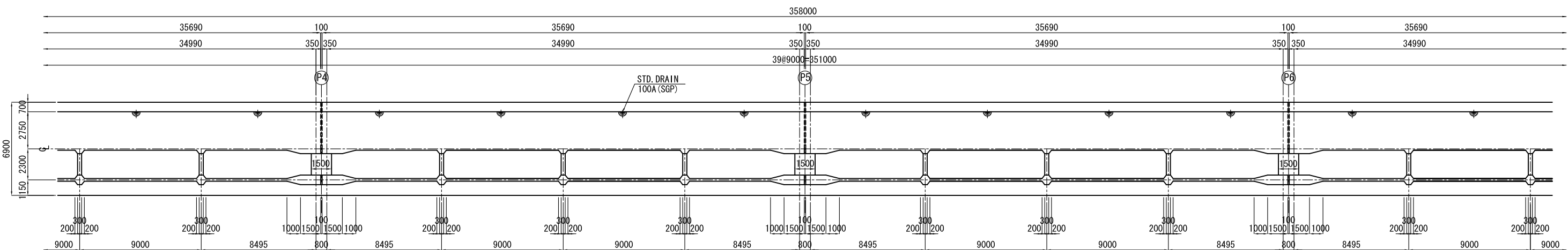
PLAN SCALE 1:150
358000



ELEVATION SCALE 1:150
358000



PLAN SCALE 1:150
358000



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JAPAN INTERNATIONAL COOPERATION AGENCY
CTI ENGINEERING INTERNATIONAL CO., LTD.

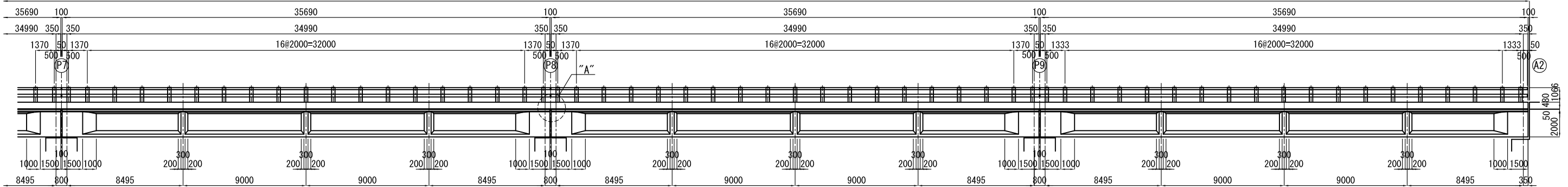
TITLE : UMIRAY BRIDGE
STRUCTURAL DRAWING OF SUPERSTURCTURE (1/2)

SCALE
S=1:150

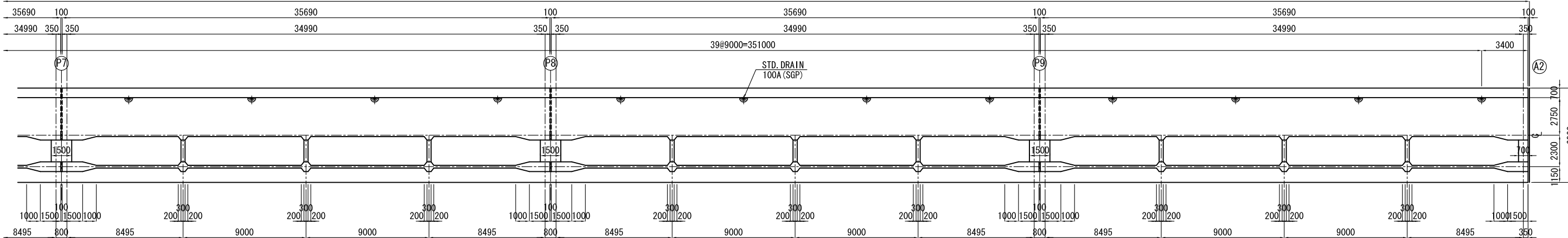
Drawing No.
U11

STRUCTURAL DRAWING OF SUPERSTURCTURE (2)

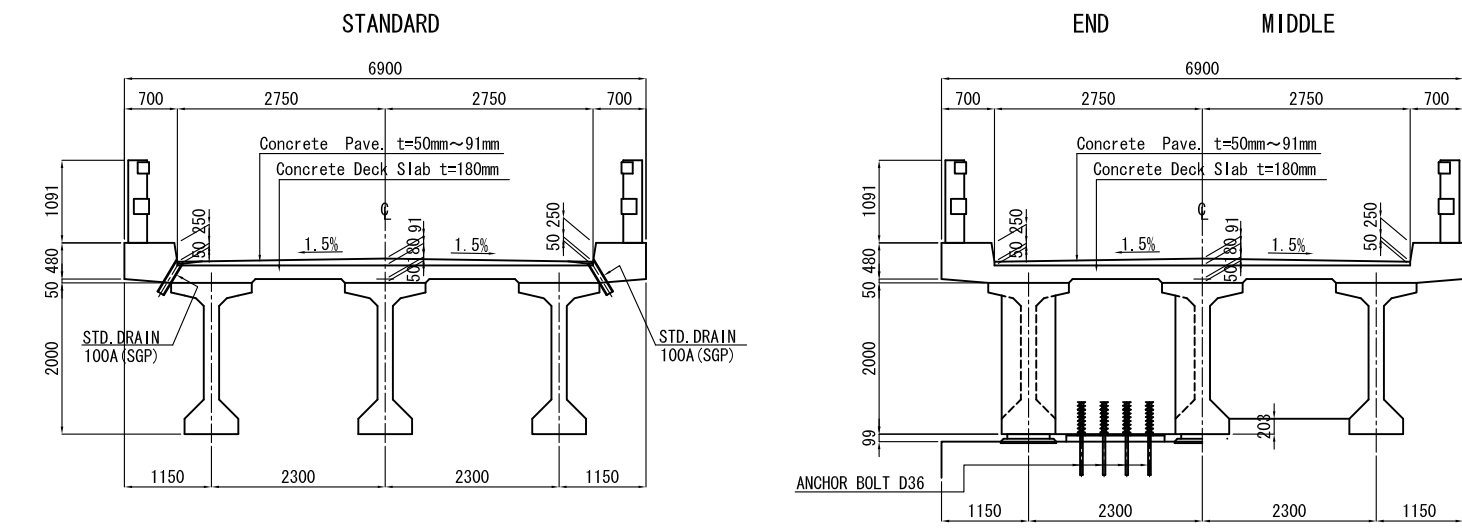
ELEVATION SCALE 1:150
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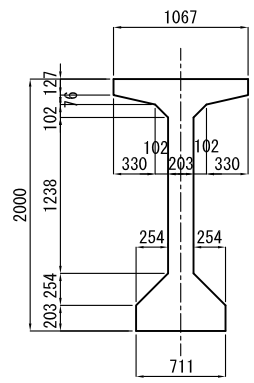
PLAN SCALE 1:150
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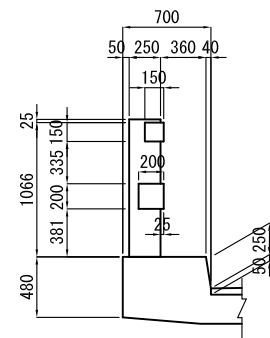
BRIDGE CROSS SECTION SCALE 1:50



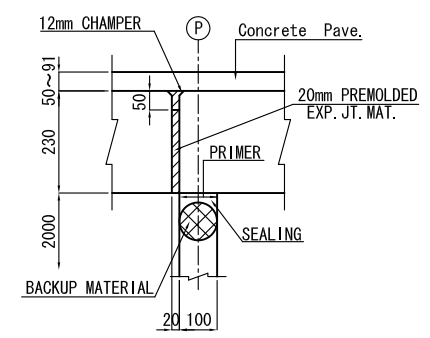
PC GIRDER TYPE VI SCALE 1:30
(Modified)



DETAIL SCALE 1:30

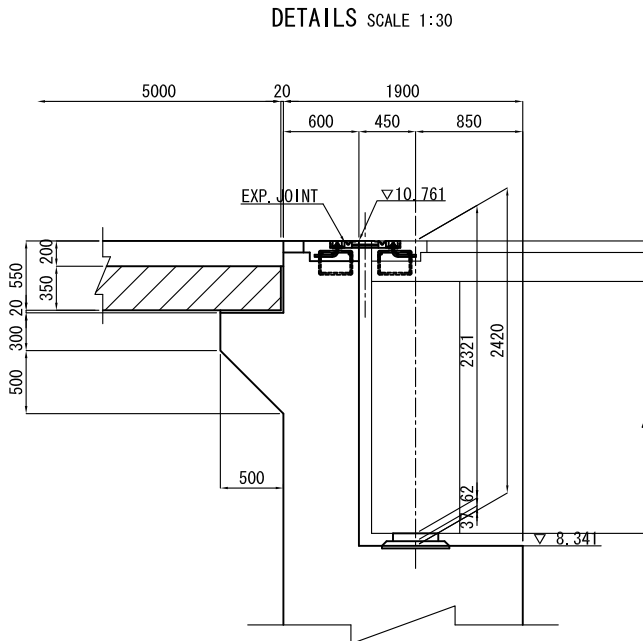
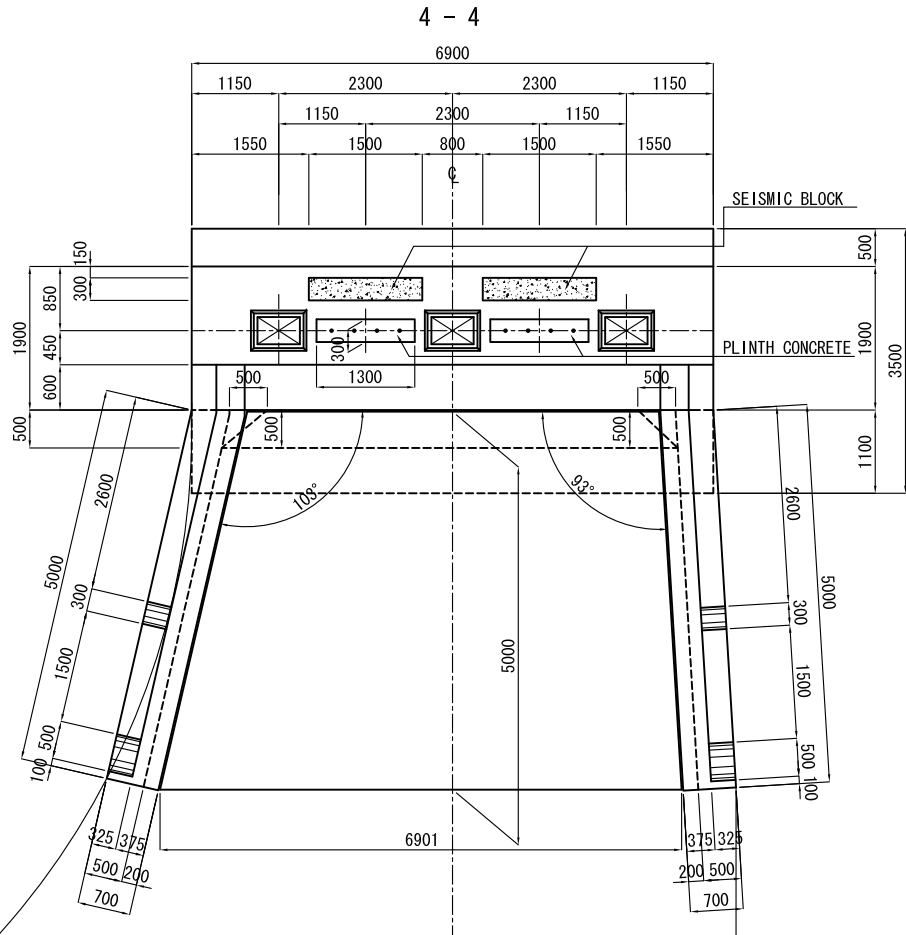
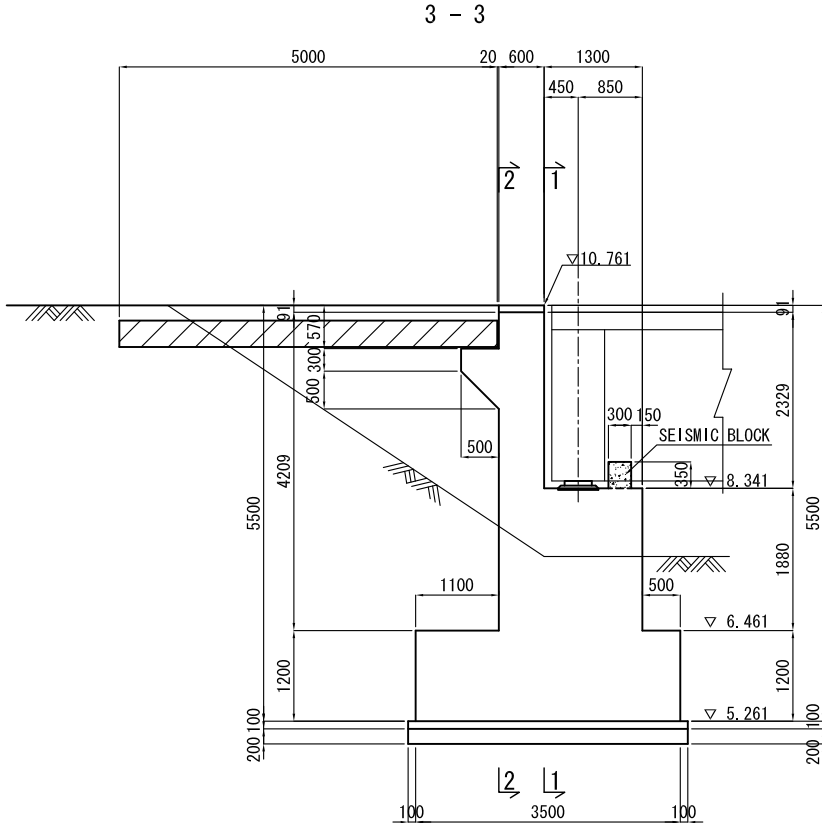
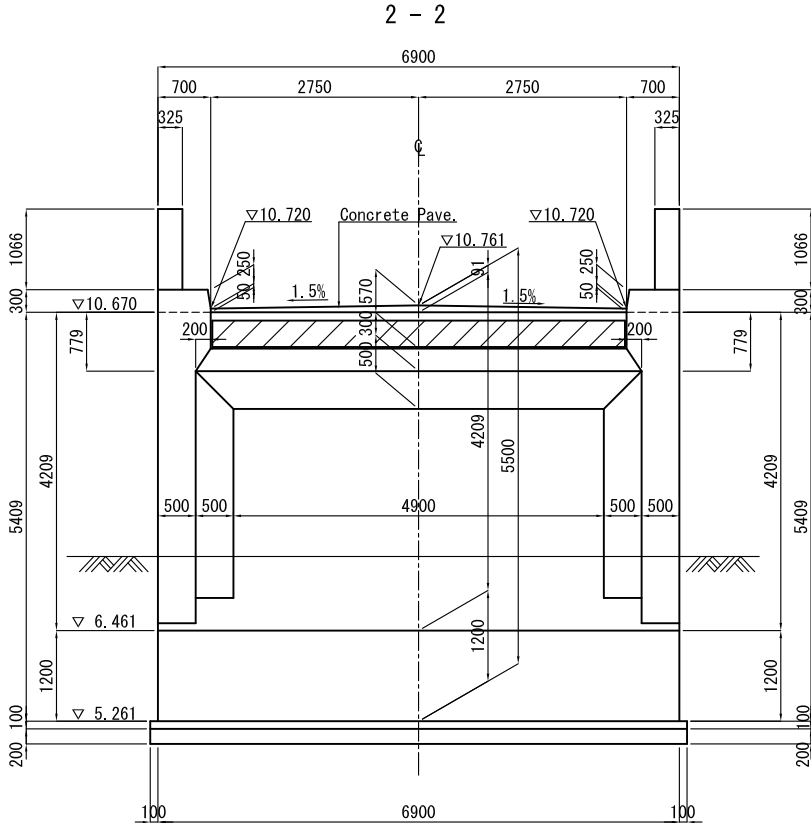
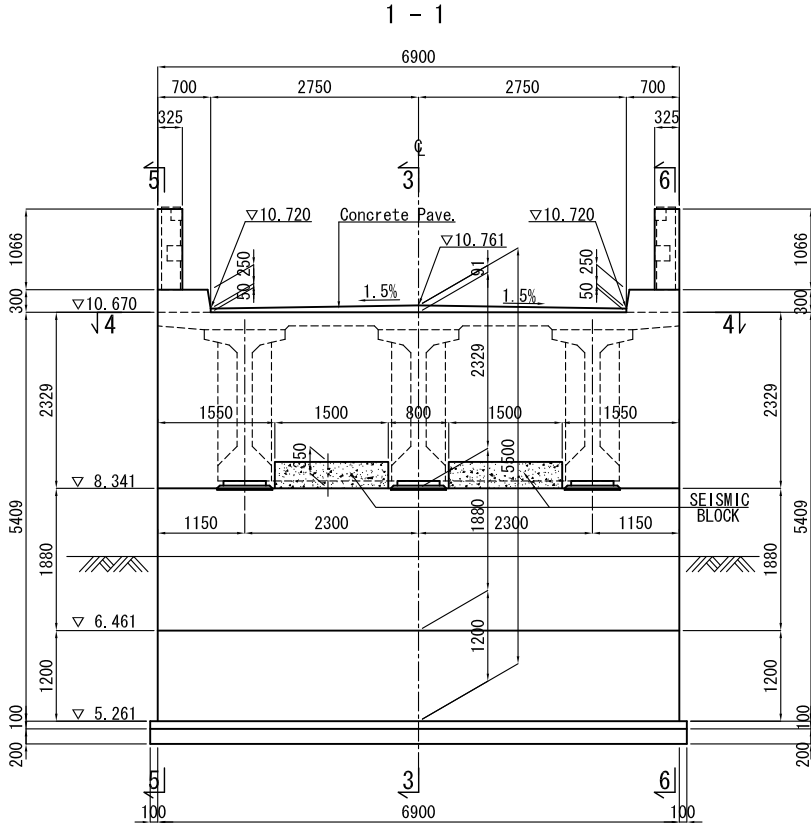


DETAIL "A" SCALE 1:10

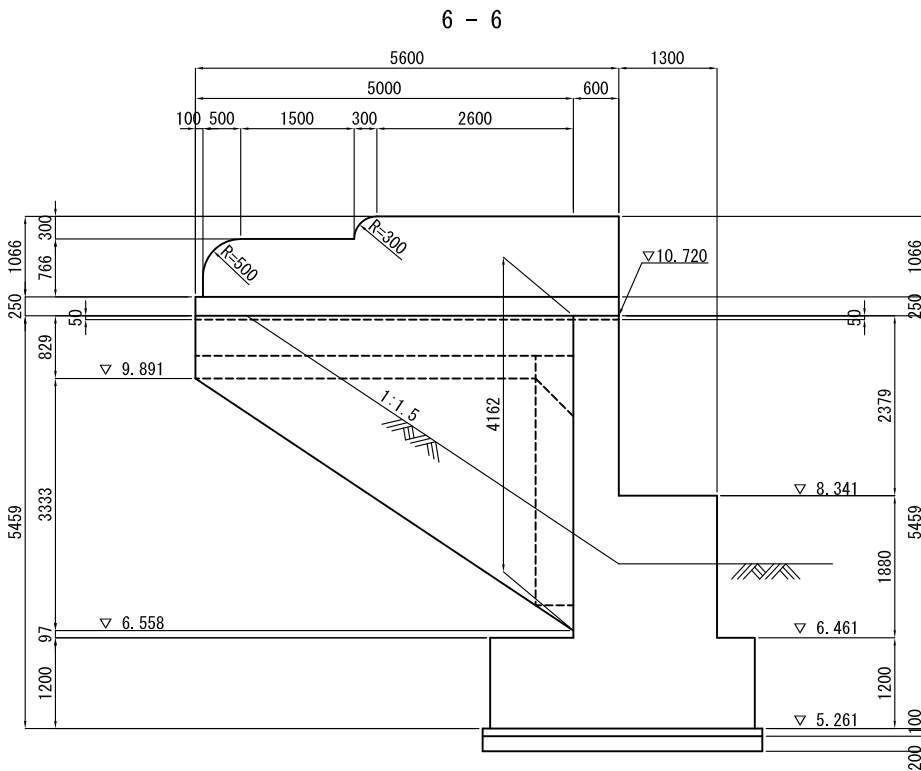
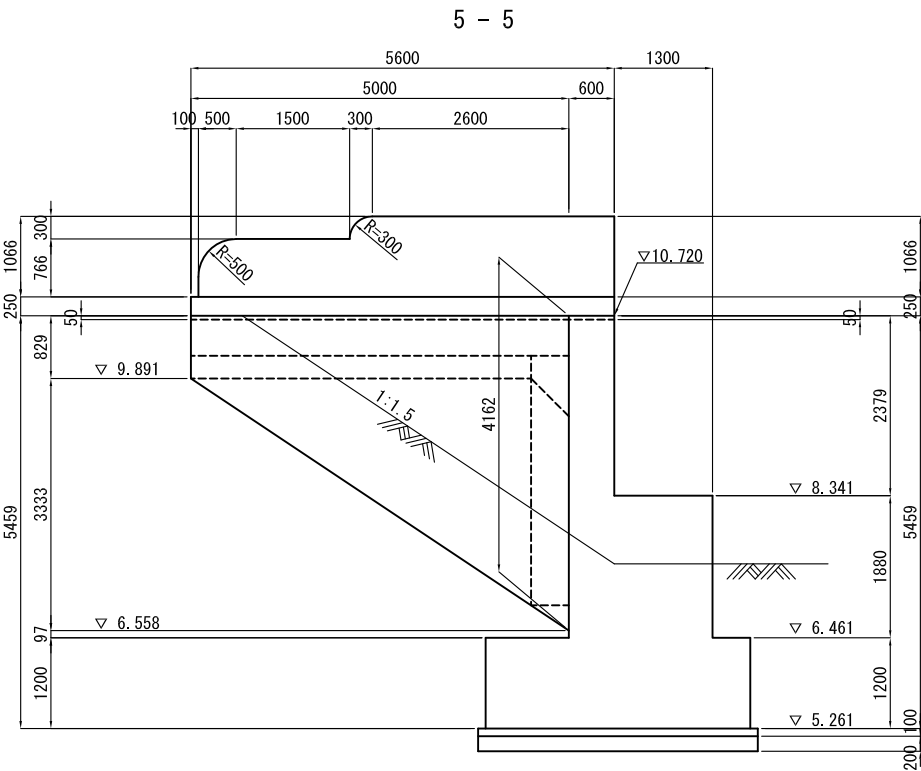


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					U12	

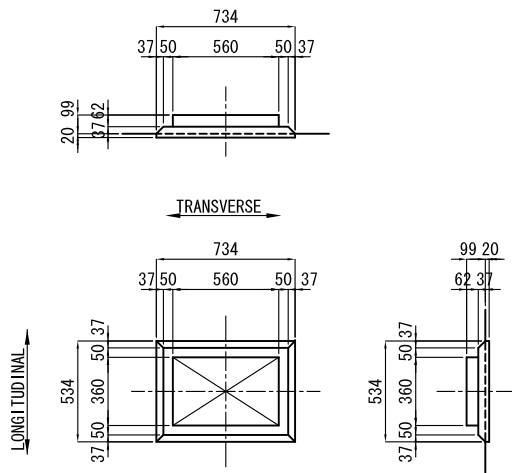
STRUCTURAL DRAWING OF A1 ABUTMENT (1) SCALE 1:50



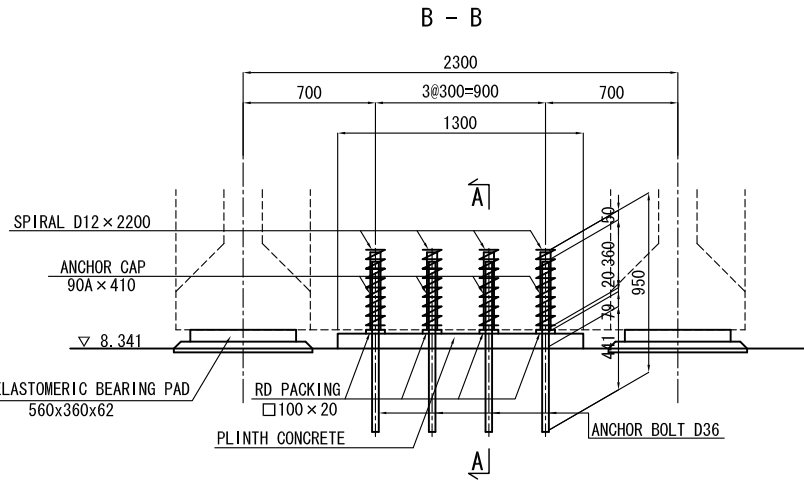
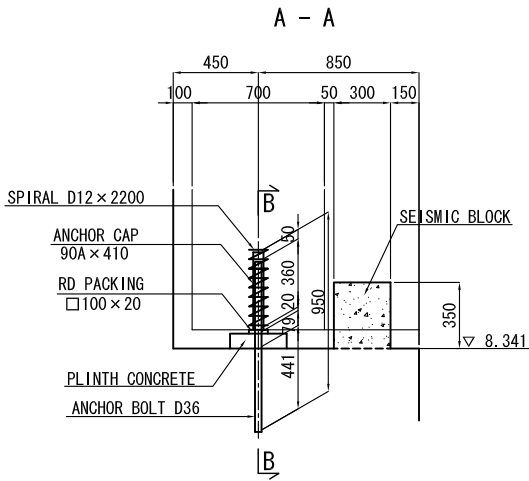
STRUCTURAL DRAWING OF A1 ABUTMENT (2) SCALE 1:50



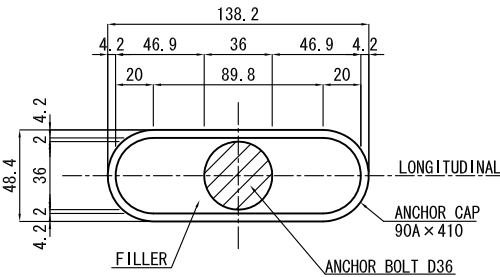
DETAILS SCALE 1:20



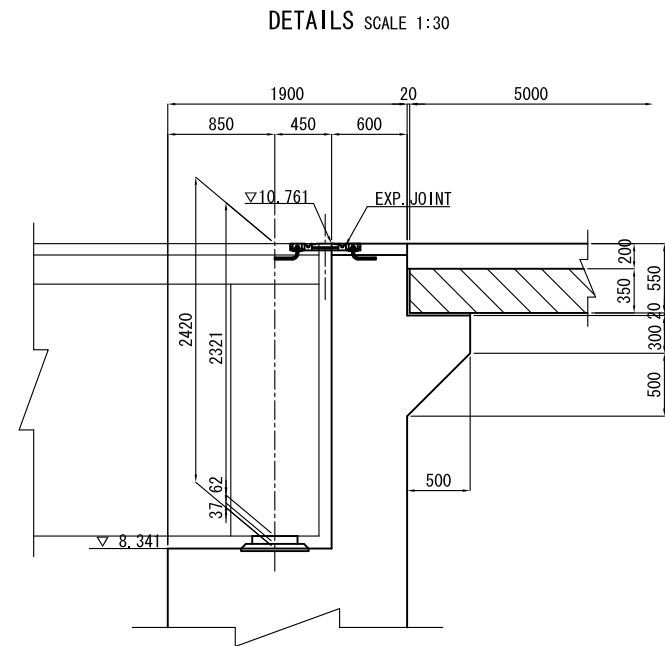
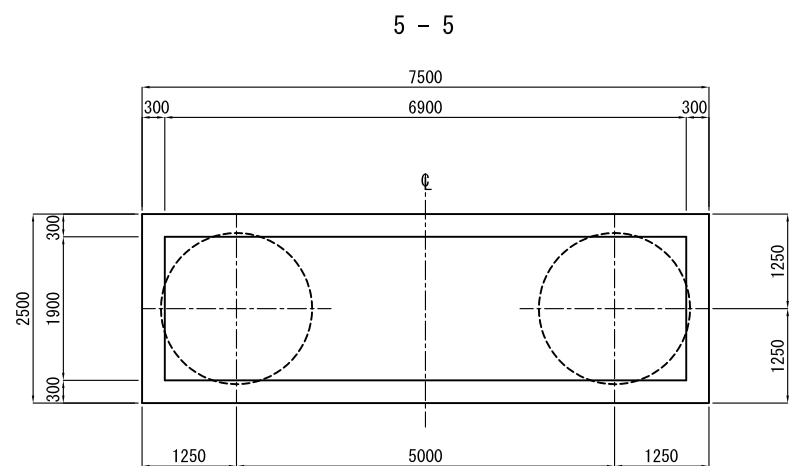
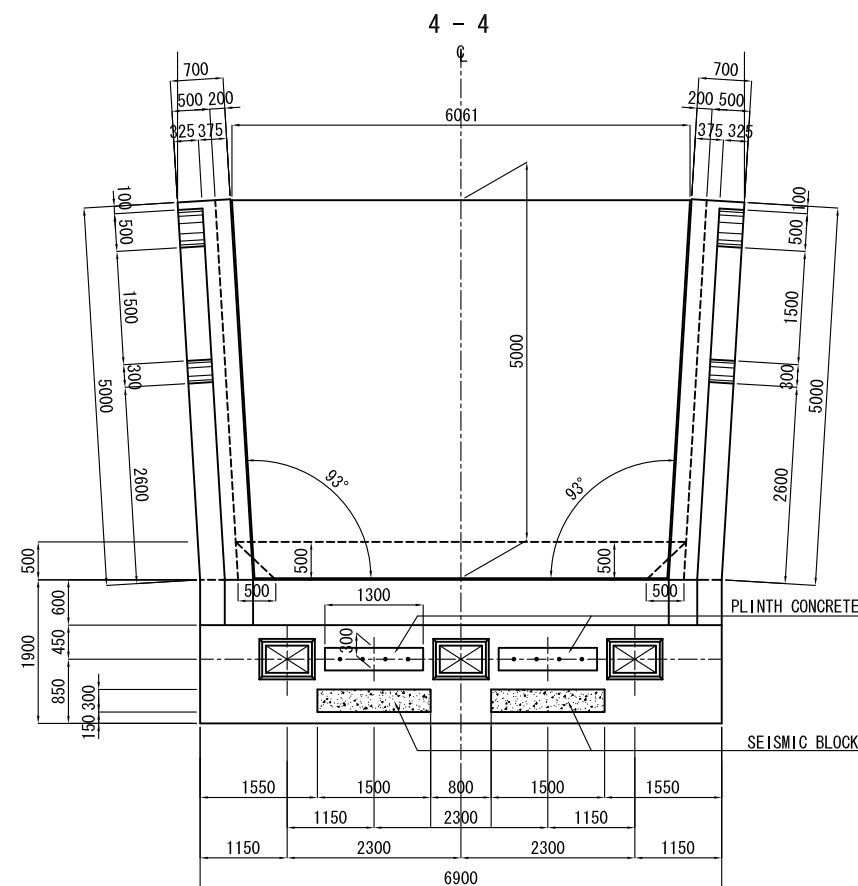
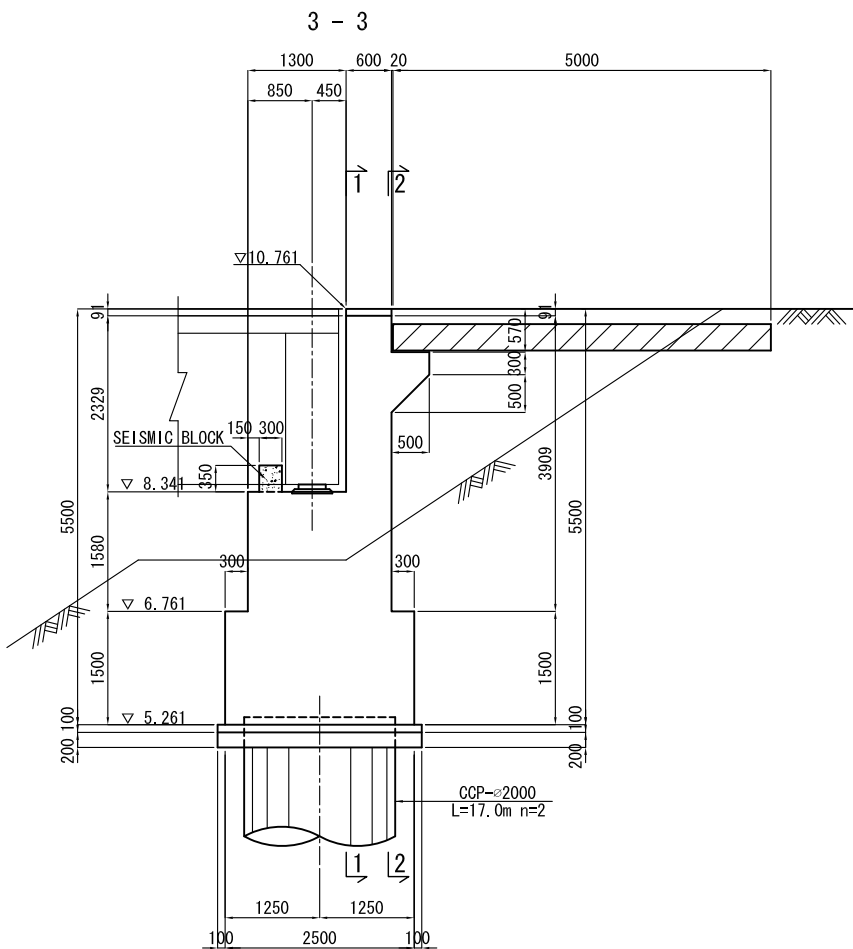
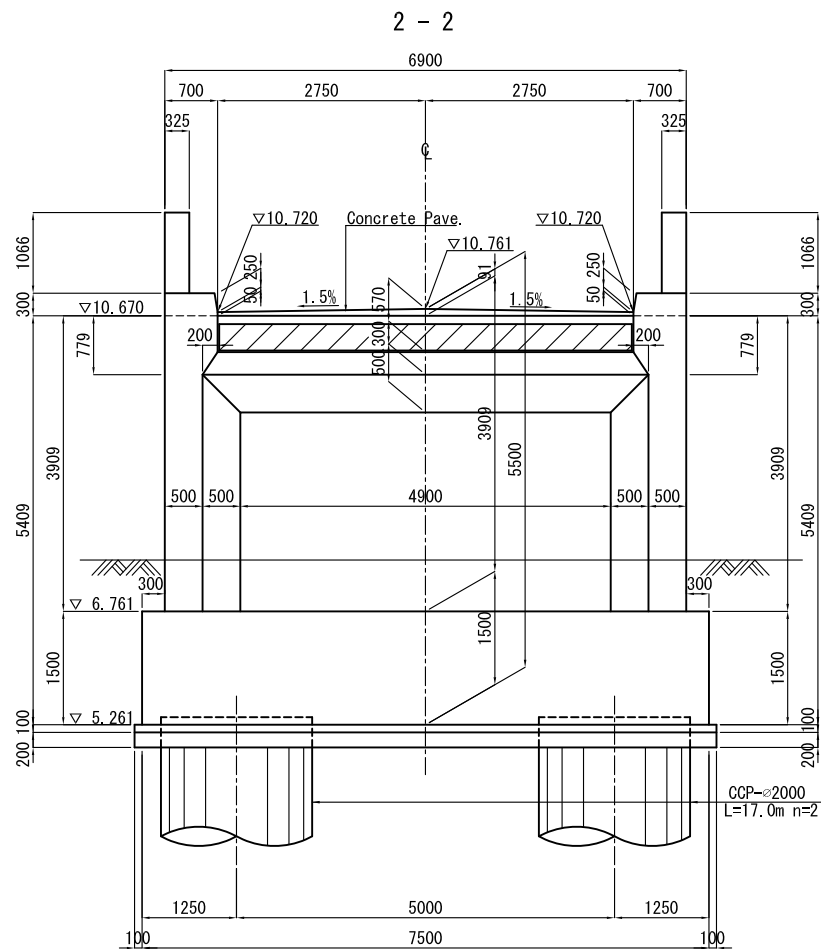
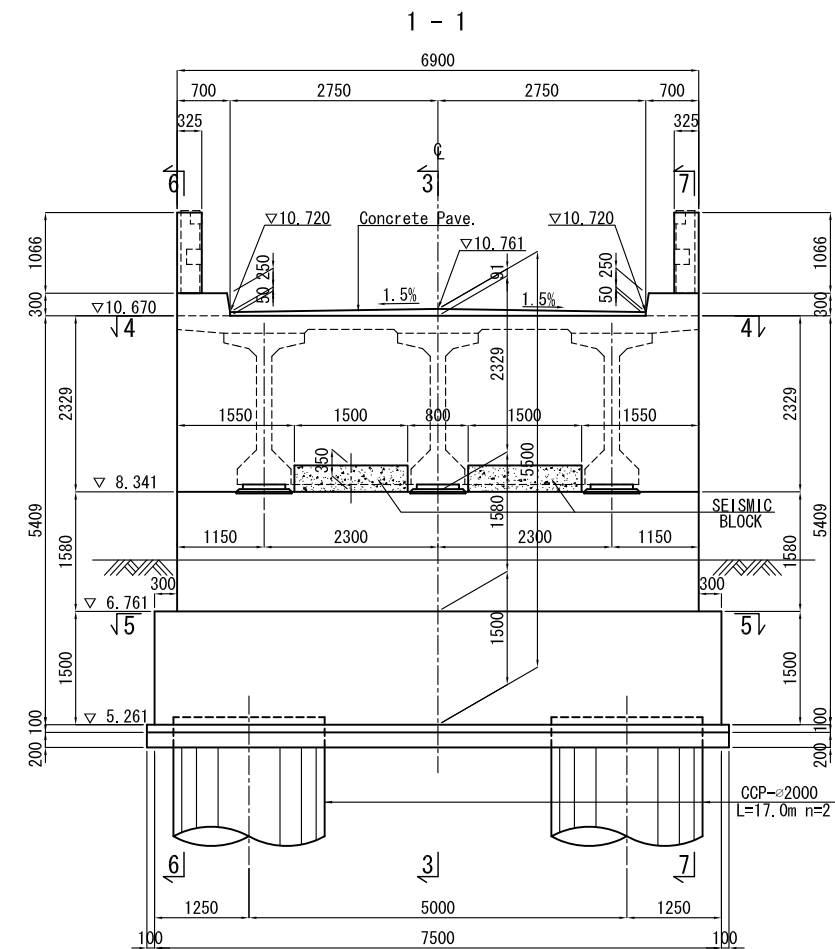
DETAILS SCALE 1:20



ANCHOR CAP SCALE 1:2
Movable



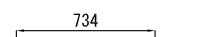
STRUCTURAL DRAWING OF A2 ABUTMENT (1) SCALE 1:50



SCALE 1:50



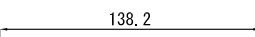
DETAILS SCALE 1:20



DETAILS SCALE 1:20

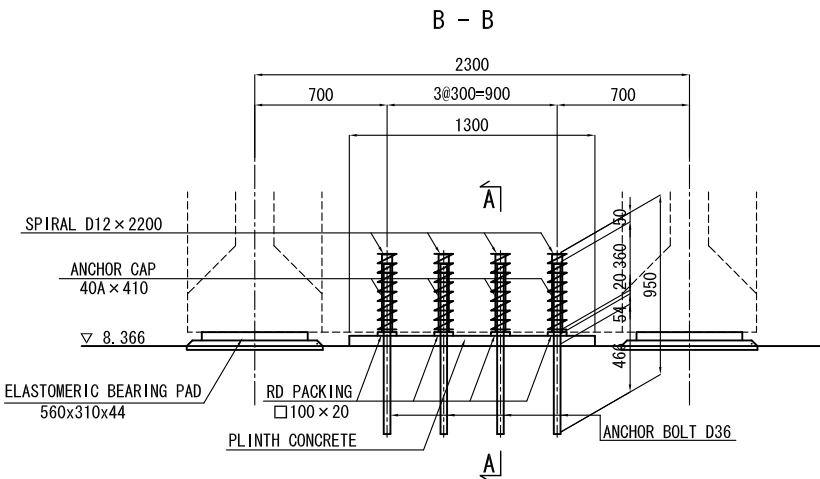
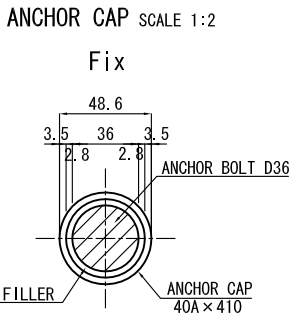
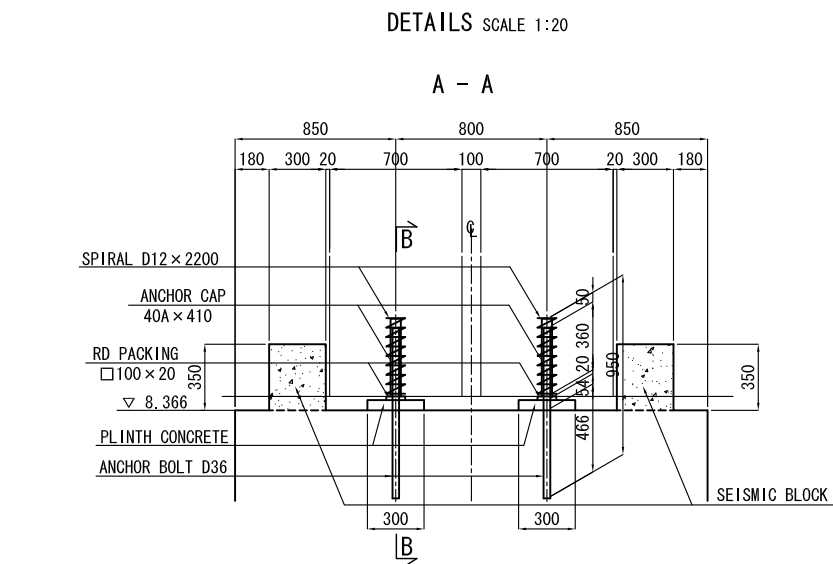
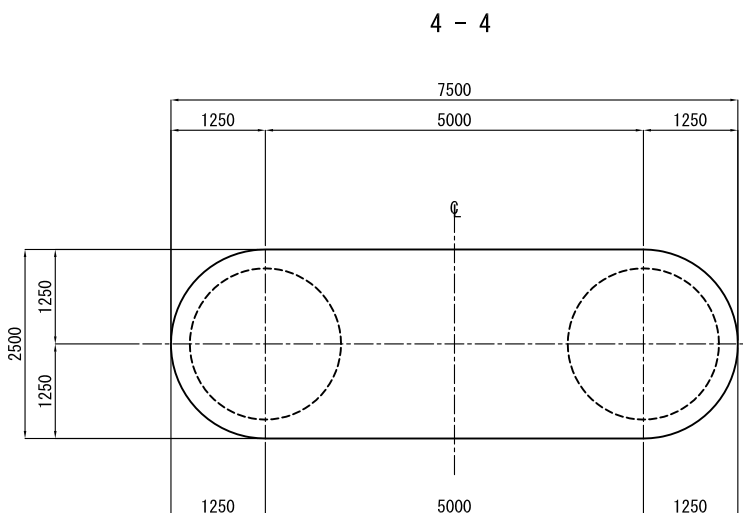
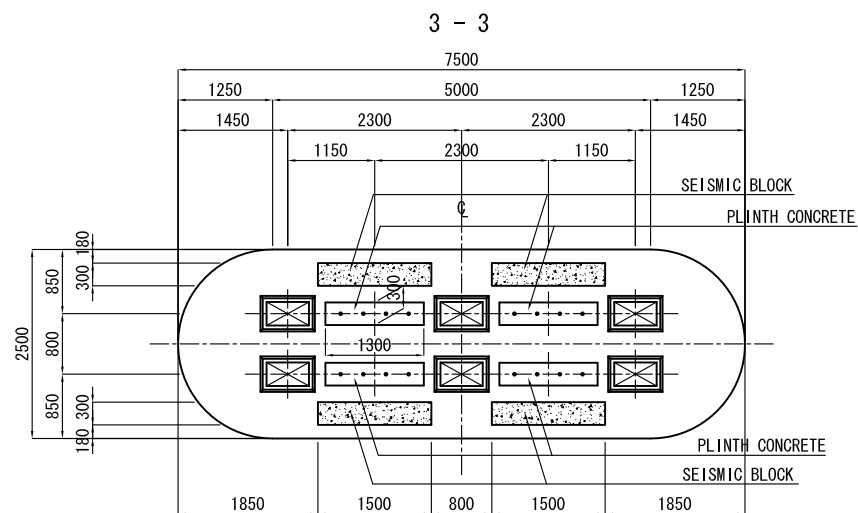
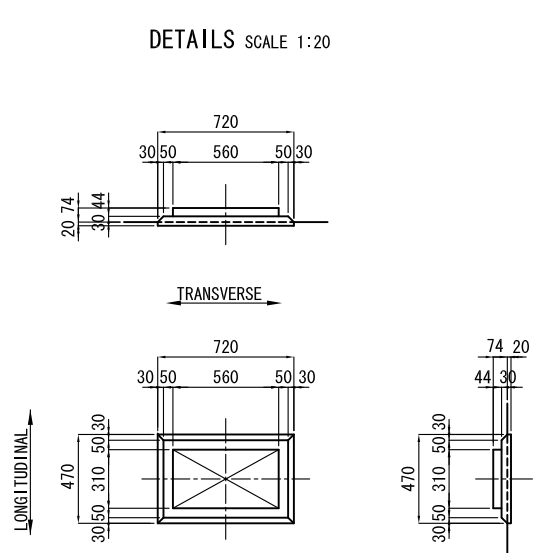
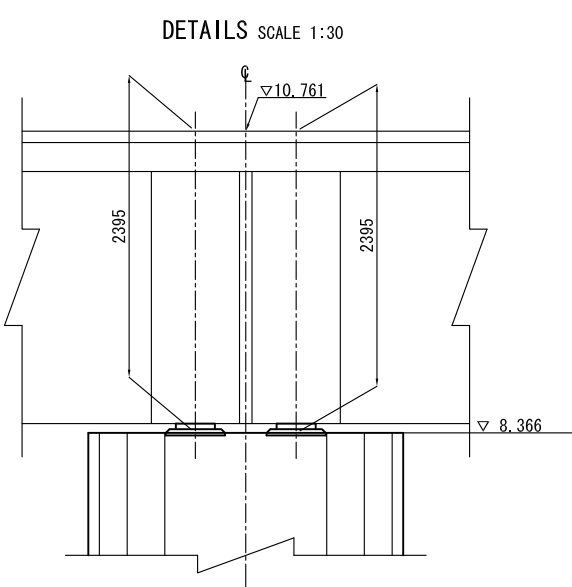
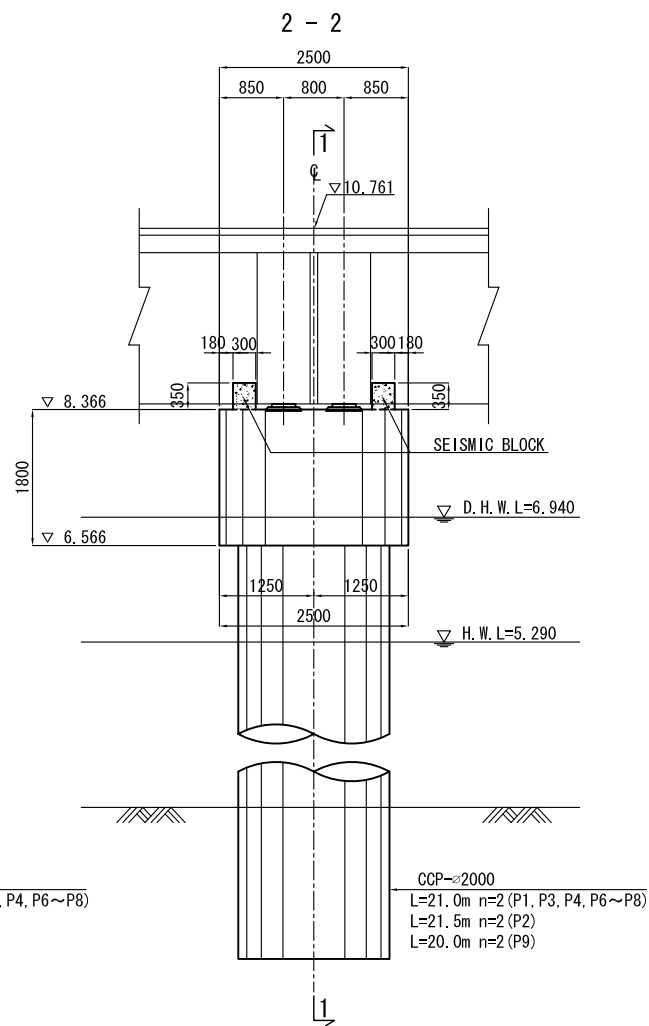
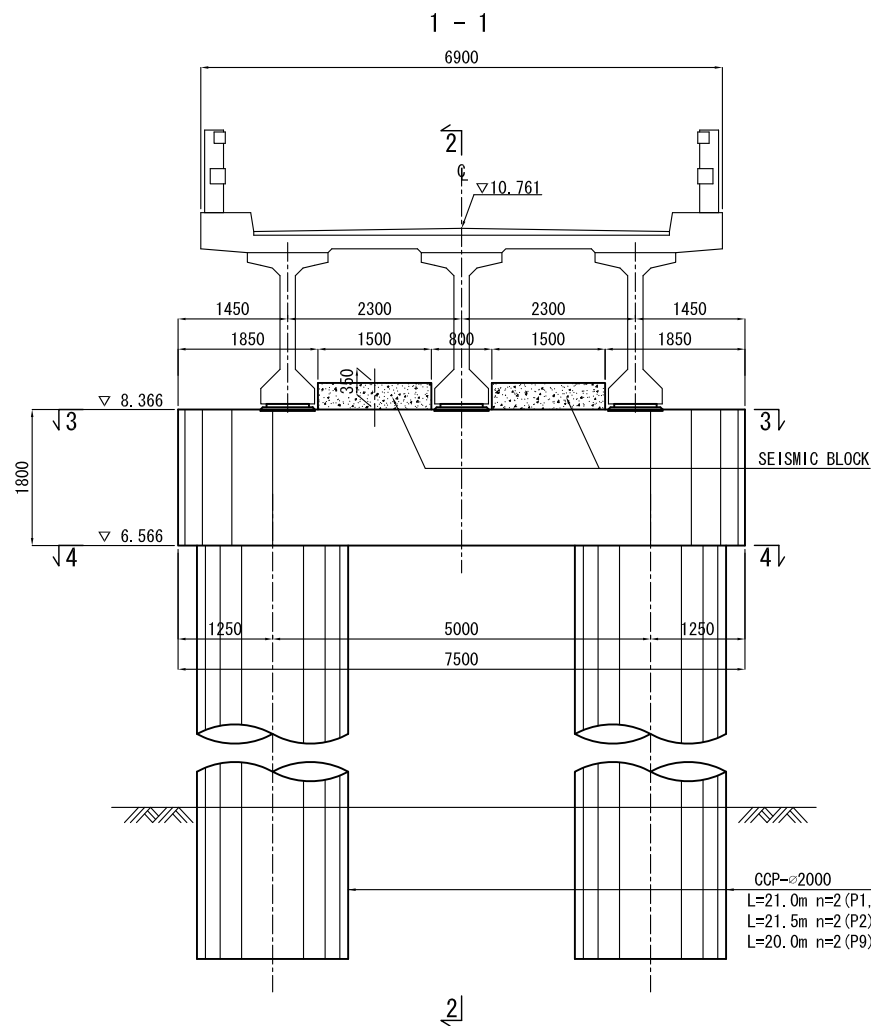


ANCHOR CAP SCALE 1:2
Movable



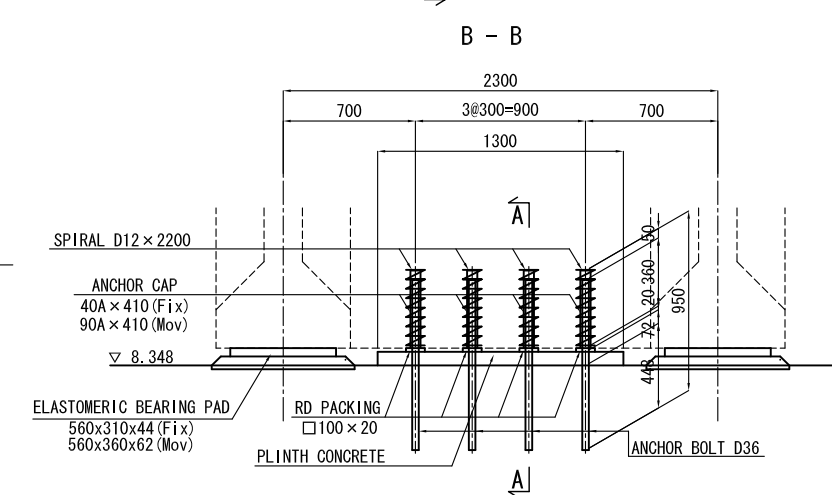
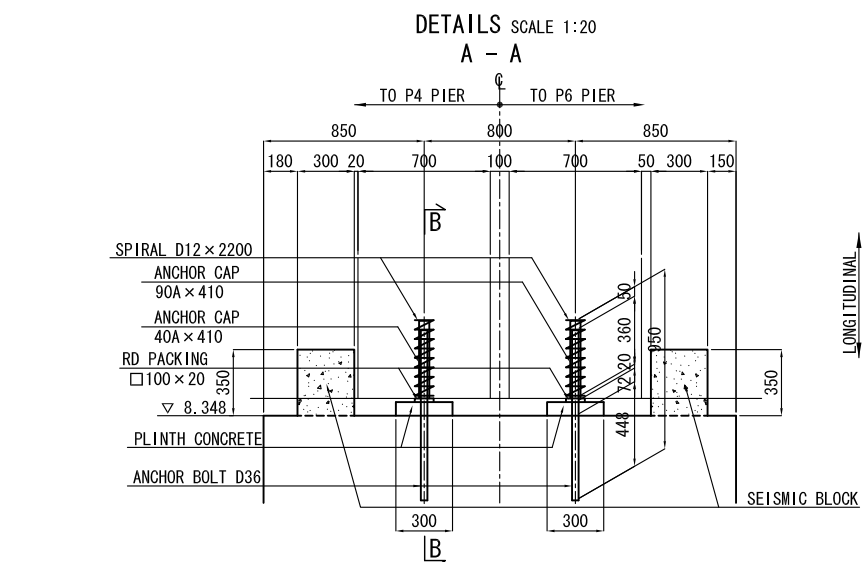
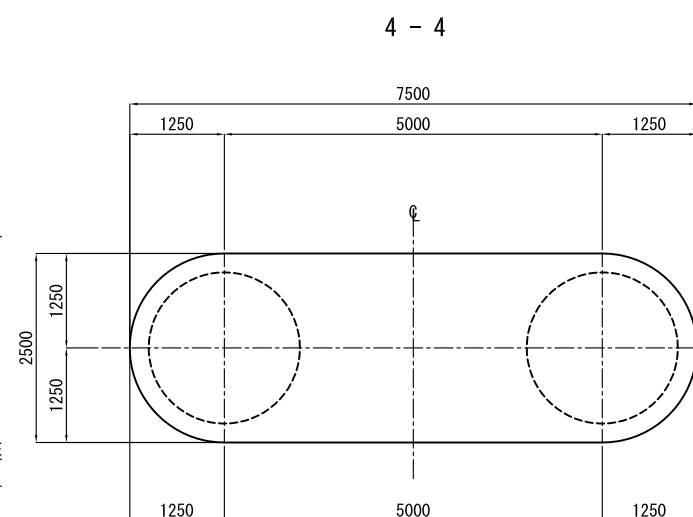
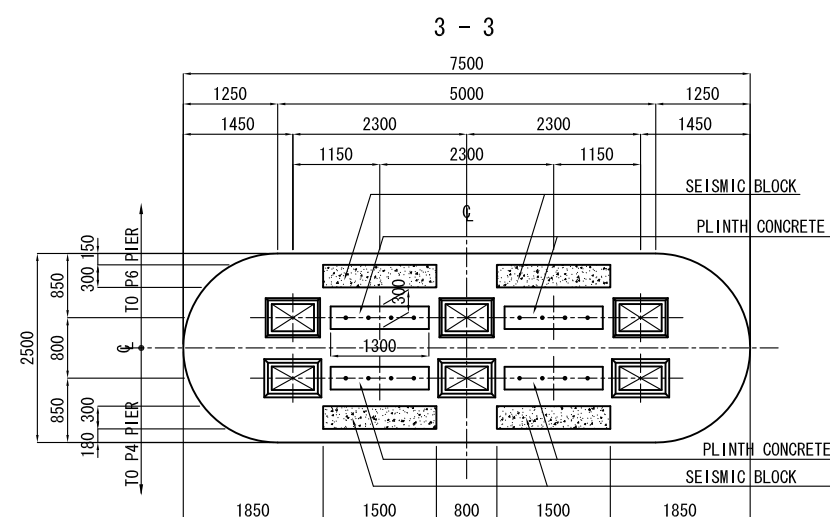
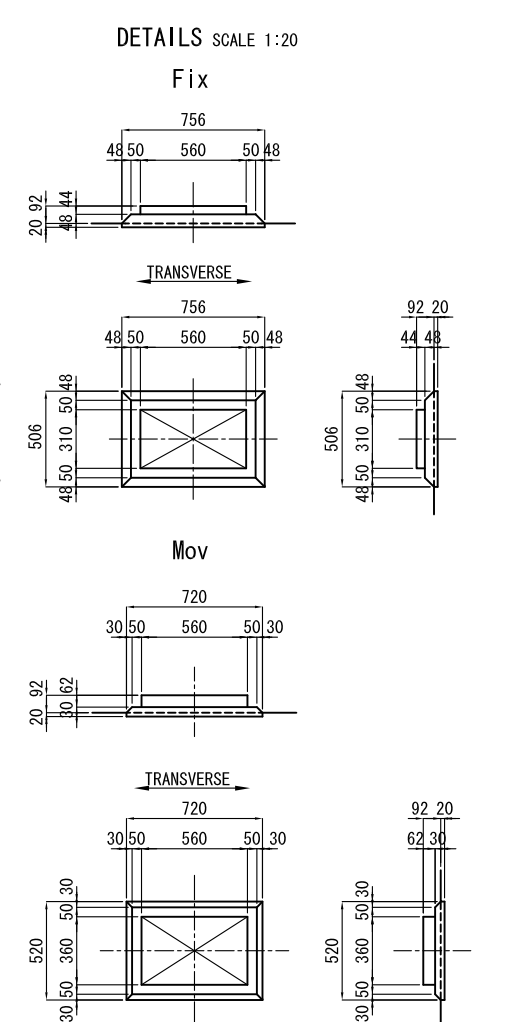
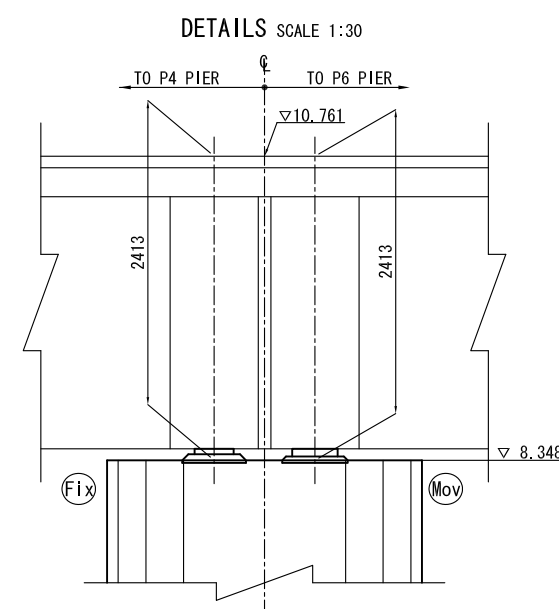
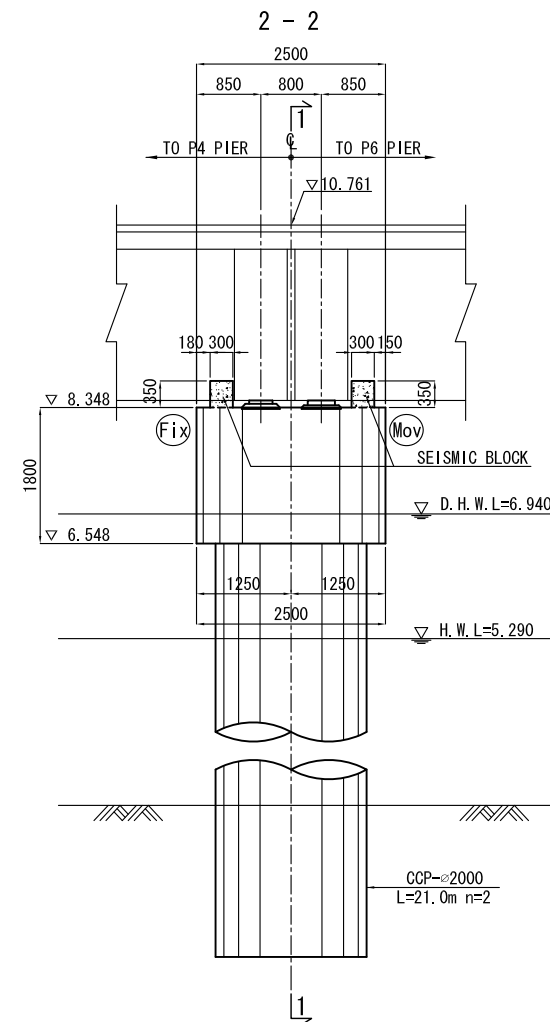
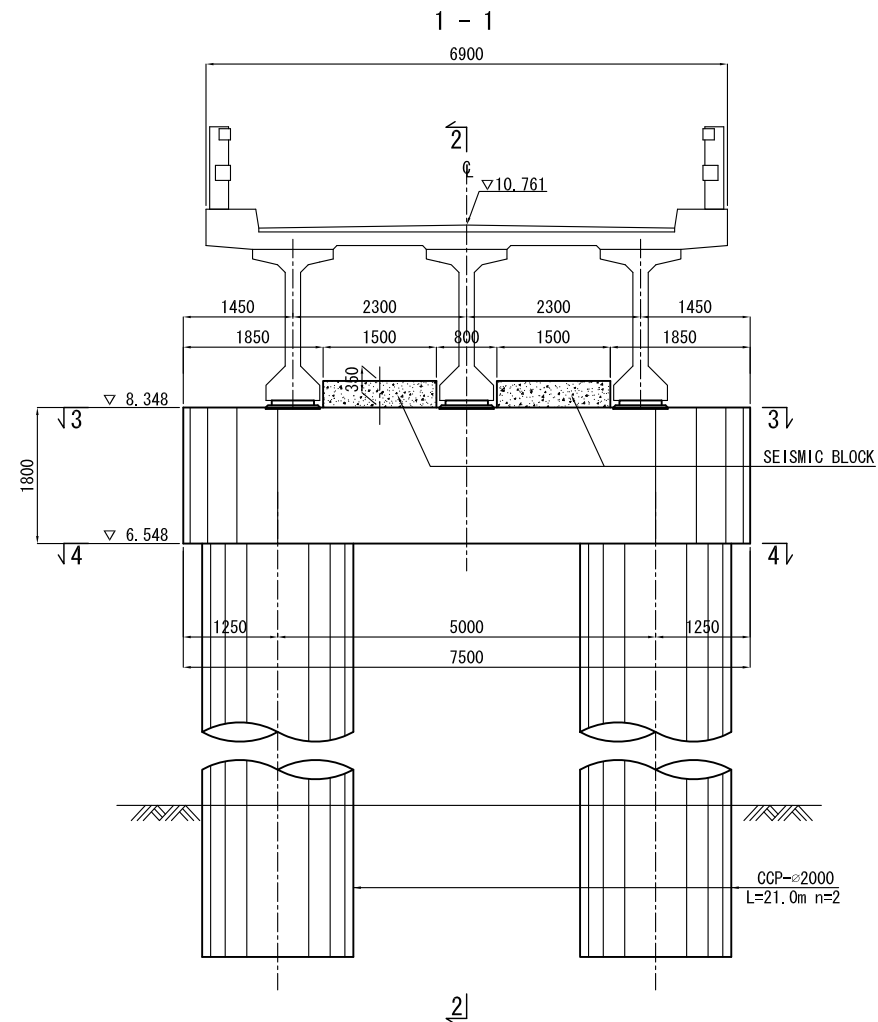
STRUCTURAL DRAWING OF P1~P4, P6~P9 BRIDGE PIER

SCALE 1:50

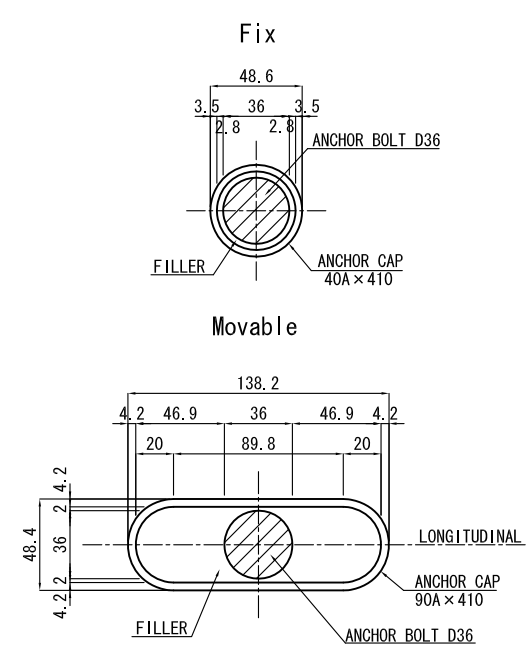


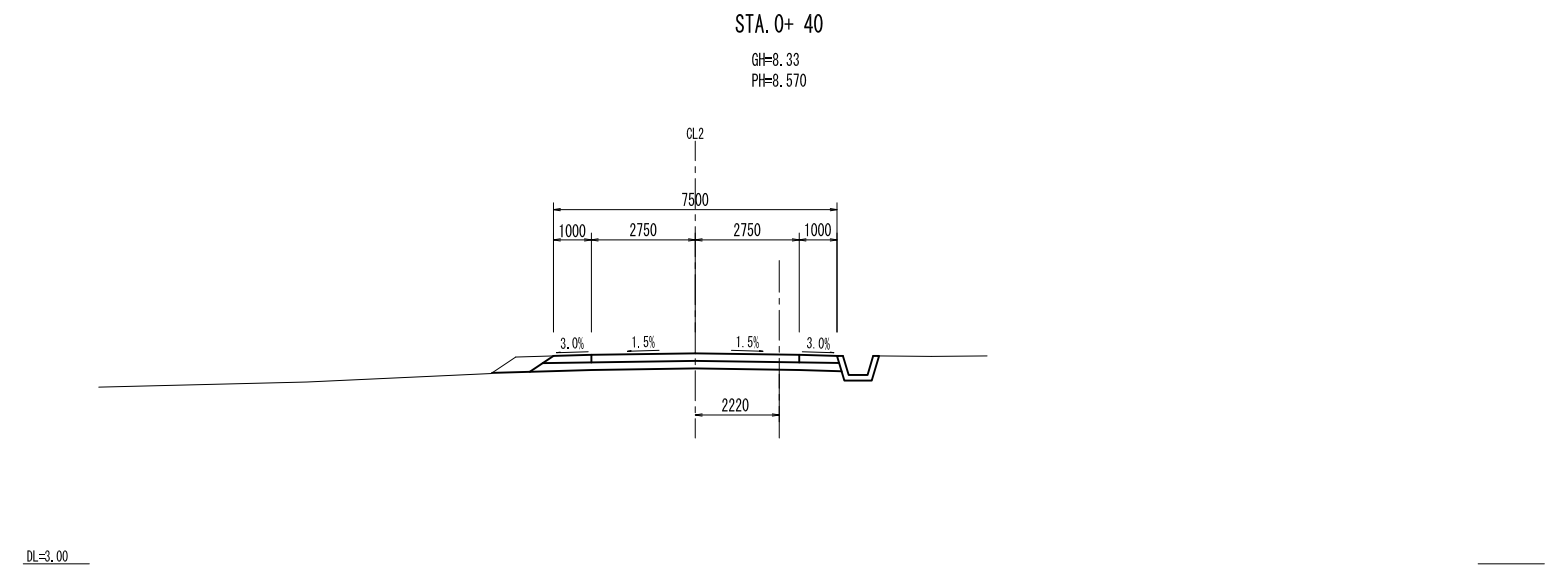
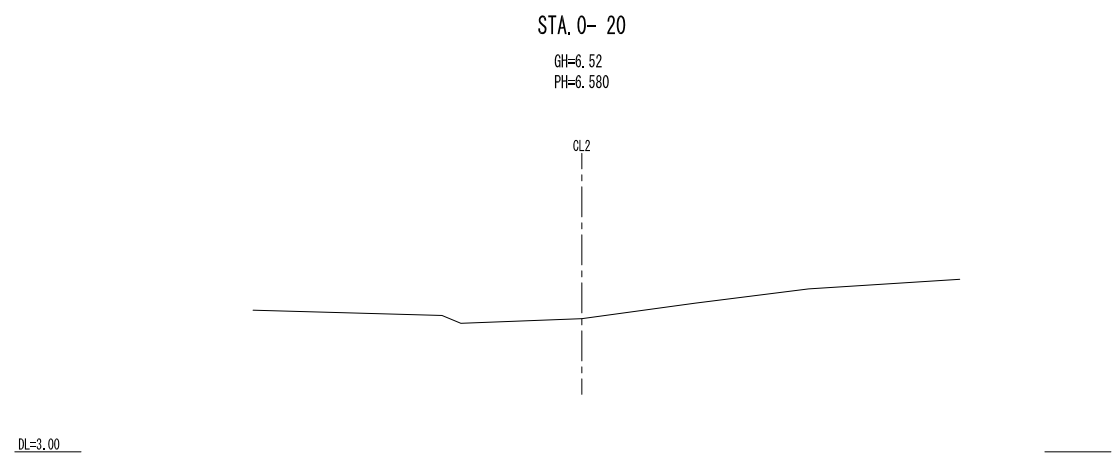
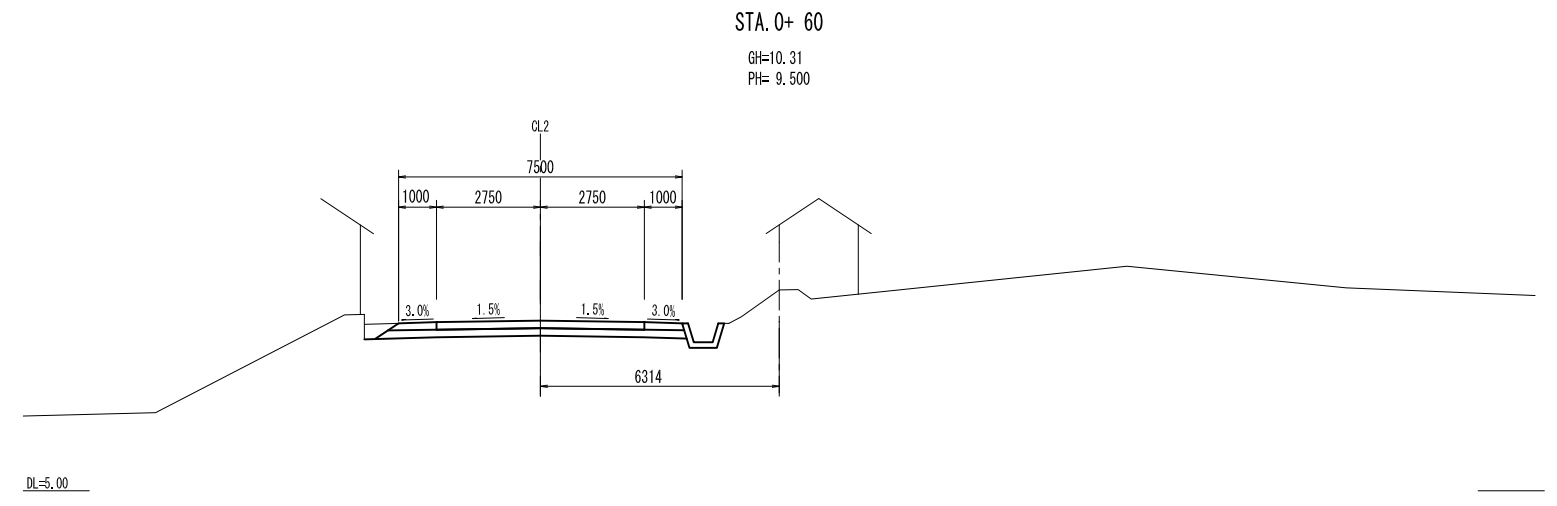
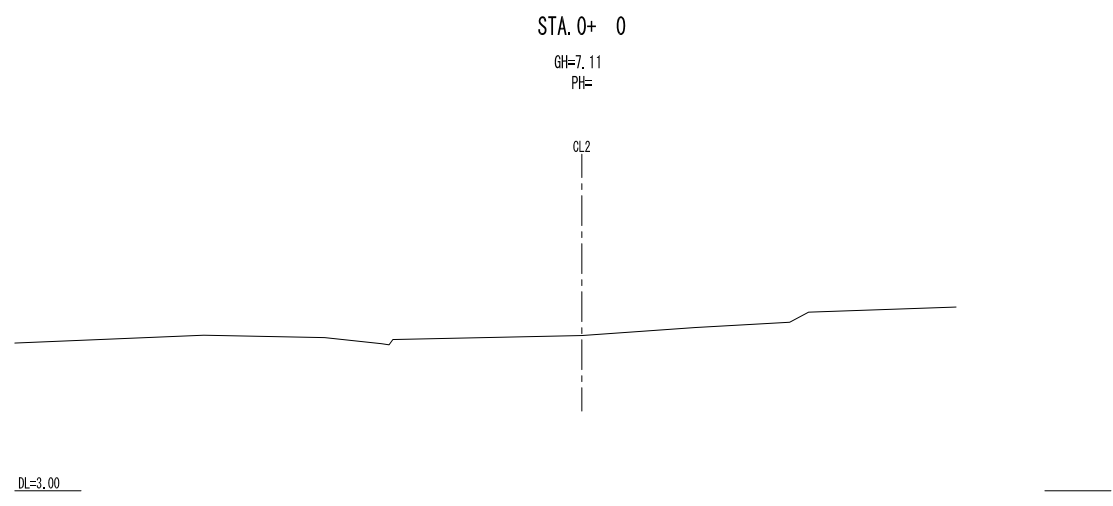
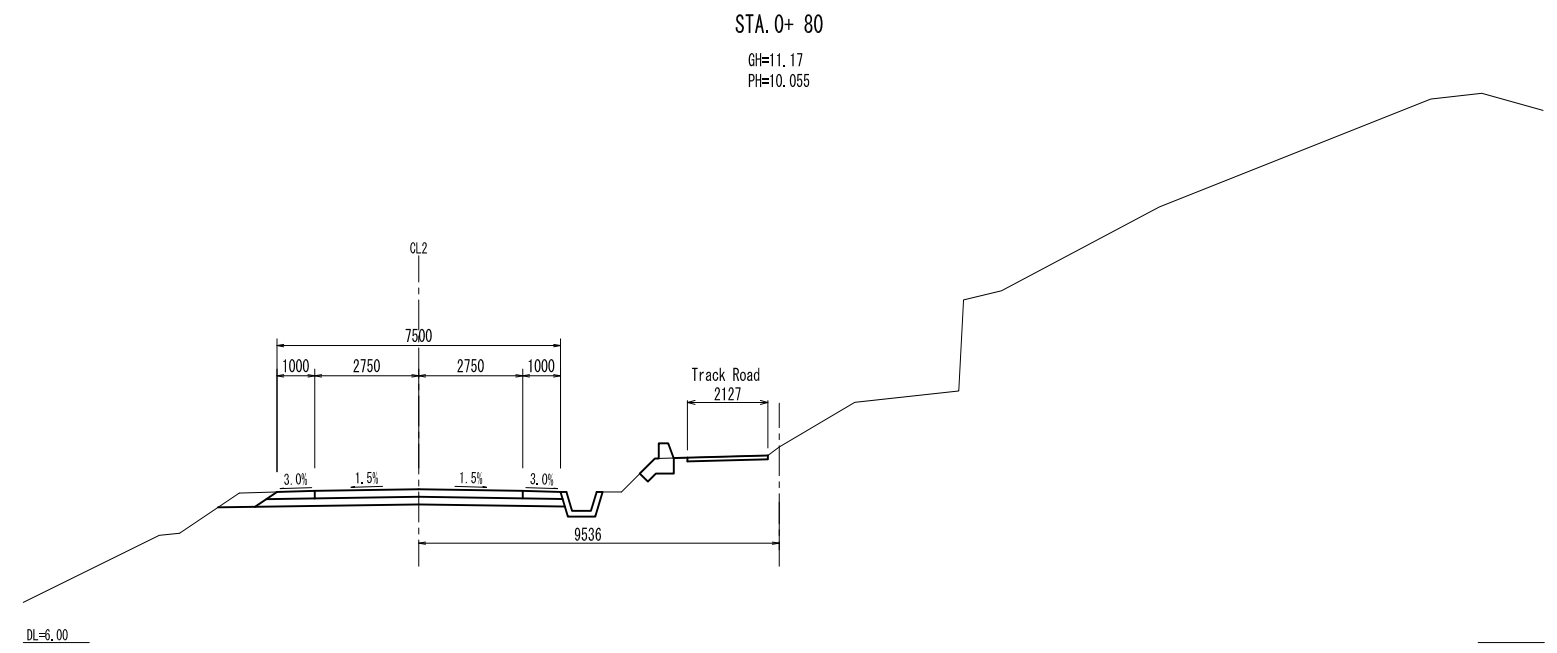
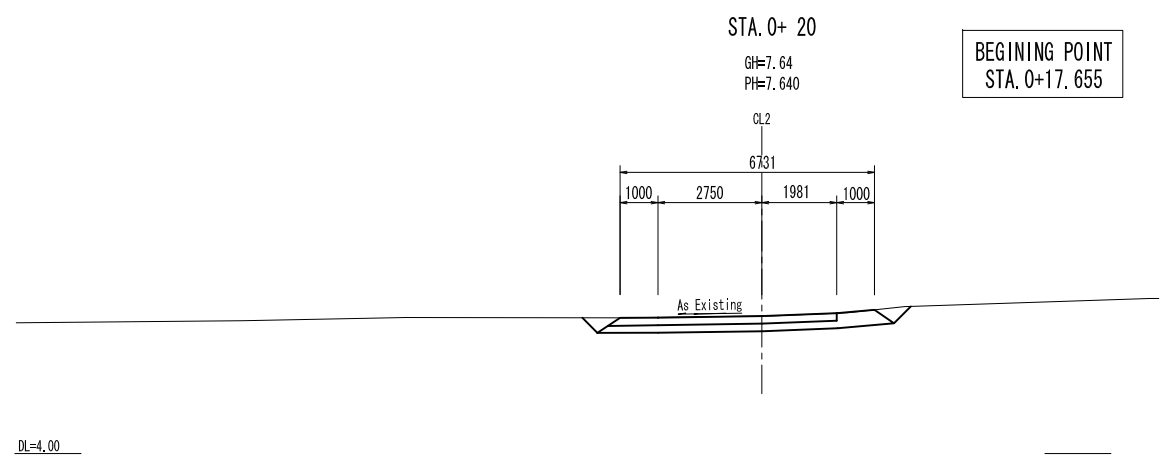
STRUCTURAL DRAWING OF P5 BRIDGE PIER

SCALE 1:50

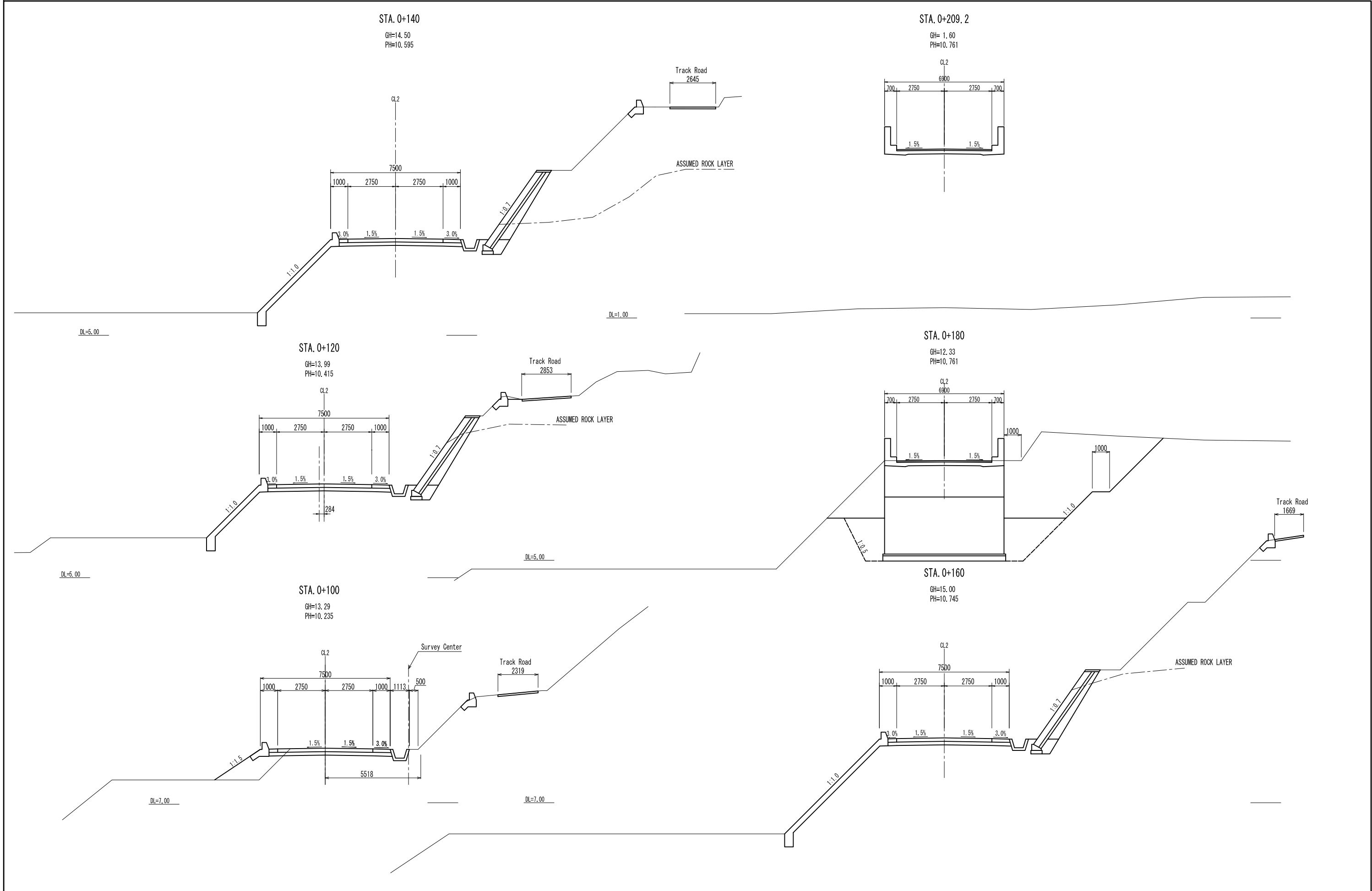


ANCHOR CAP SCALE 1:2





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					U19	



DEPARTMENT OF AGRARIAN REFORM THE REPUBLIC OF THE PHILIPPINES	BASIC DESIGN STUDY ON THE BRIDGE CONSTRUCTION PROJECT FOR EXPANDED AGRARIAN REFORM COMMUNITIES DEVELOPMENT	JAPAN INTERNATIONAL COOPERATION AGENCY CTI ENGINEERING INTERNATIONAL CO., LTD.	TITLE : UMIRAY BRIDGE ROAD CROSS SECTION (2/6)	SCALE S=1:100	Drawing No.	/
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