

DEPARTMENT OF AGRARIAN REFORM
THE REPUBLIC OF THE PHILIPPINES

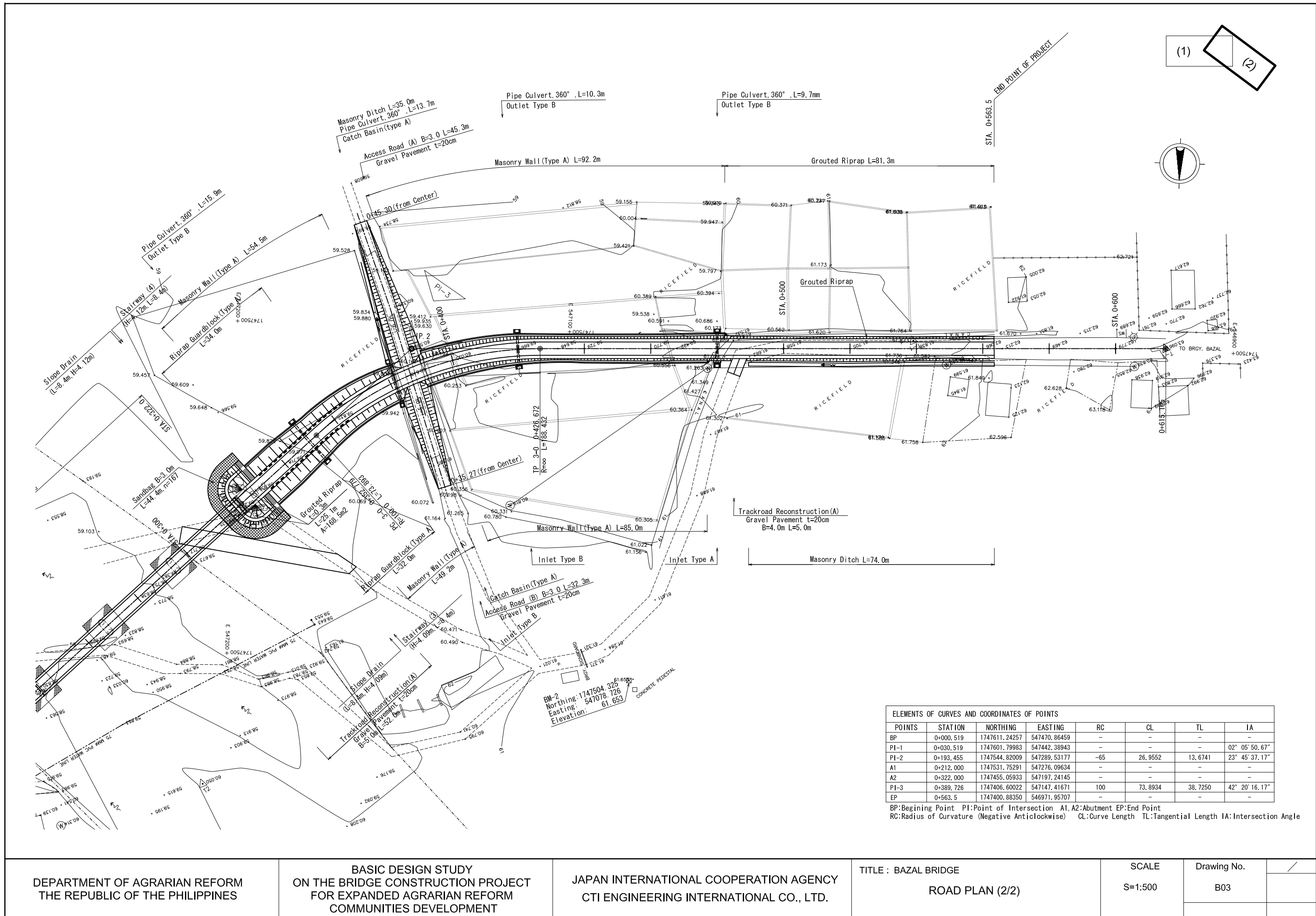
BASIC DESIGN STUDY
ON THE BRIDGE CONSTRUCTION PROJECT
FOR EXPANDED AGRARIAN REFORM
COMMUNITIES DEVELOPMENT

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

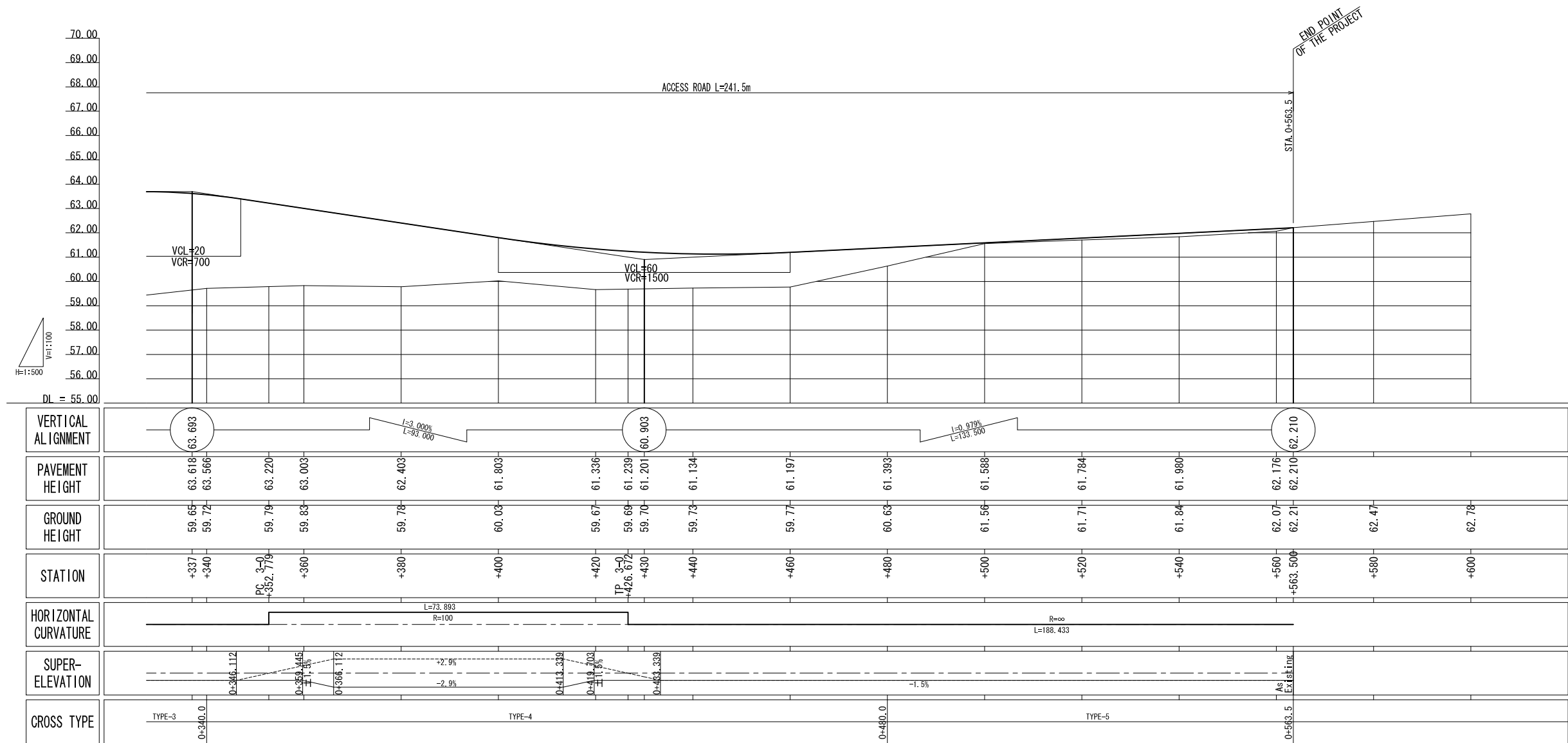
TITLE : BAZAL BRIDGE
ROAD PLAN (1/2)

SCALE
S=1:500

Drawing No.
B02







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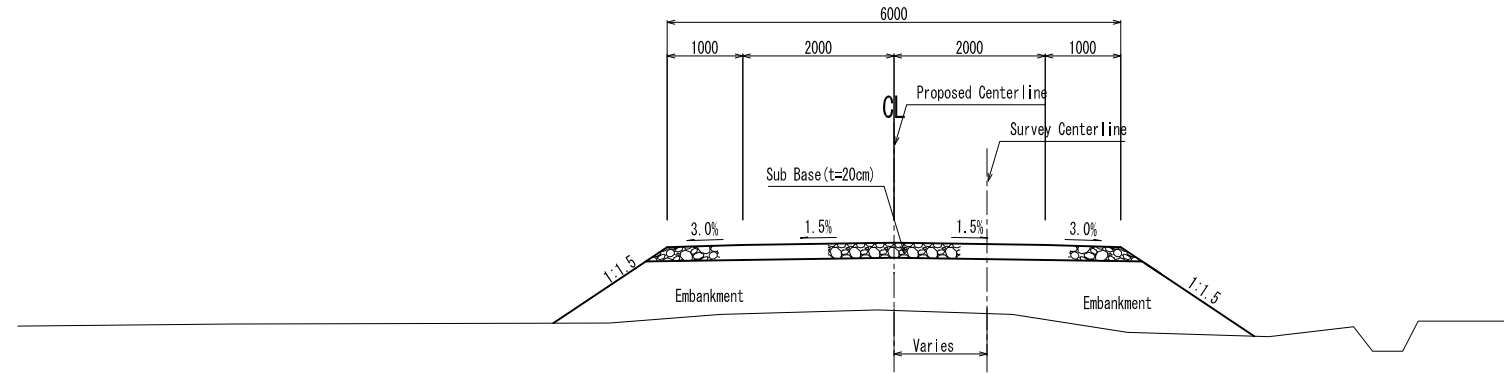
JAPAN INTERNATIONAL COOPERATION AGENCY
CTI ENGINEERING INTERNATIONAL CO., LTD.

TITLE : BAZAL BRIDGE
ROAD PROFILE (2/2)

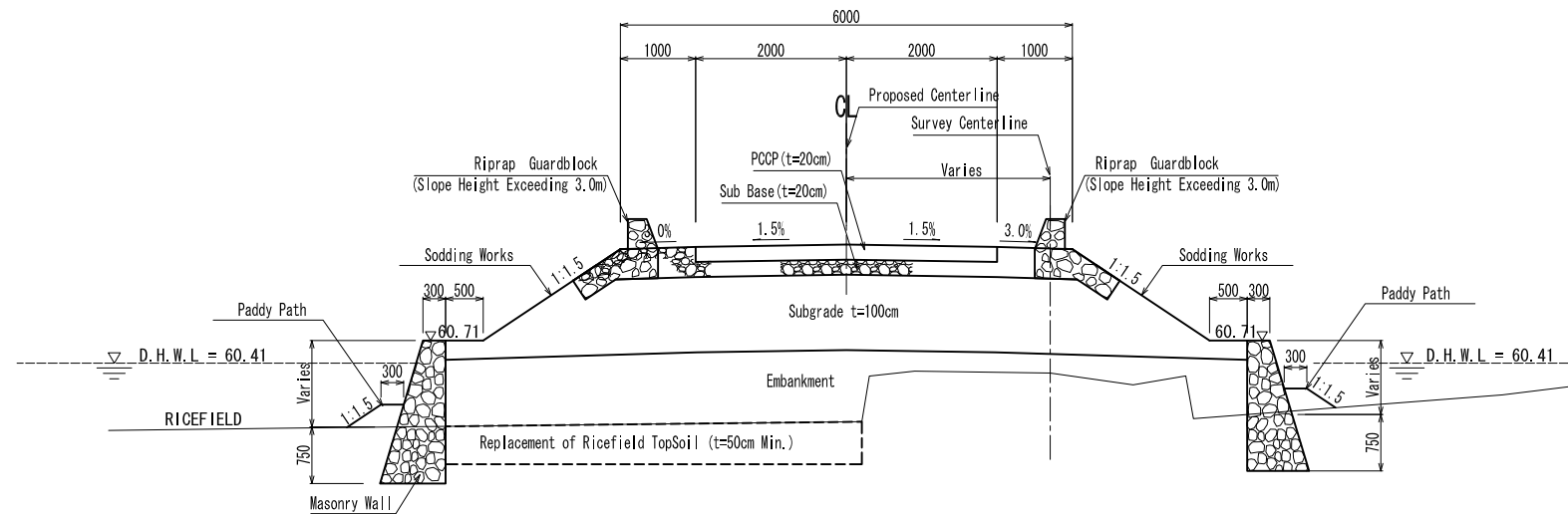
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Drawing No.
B05

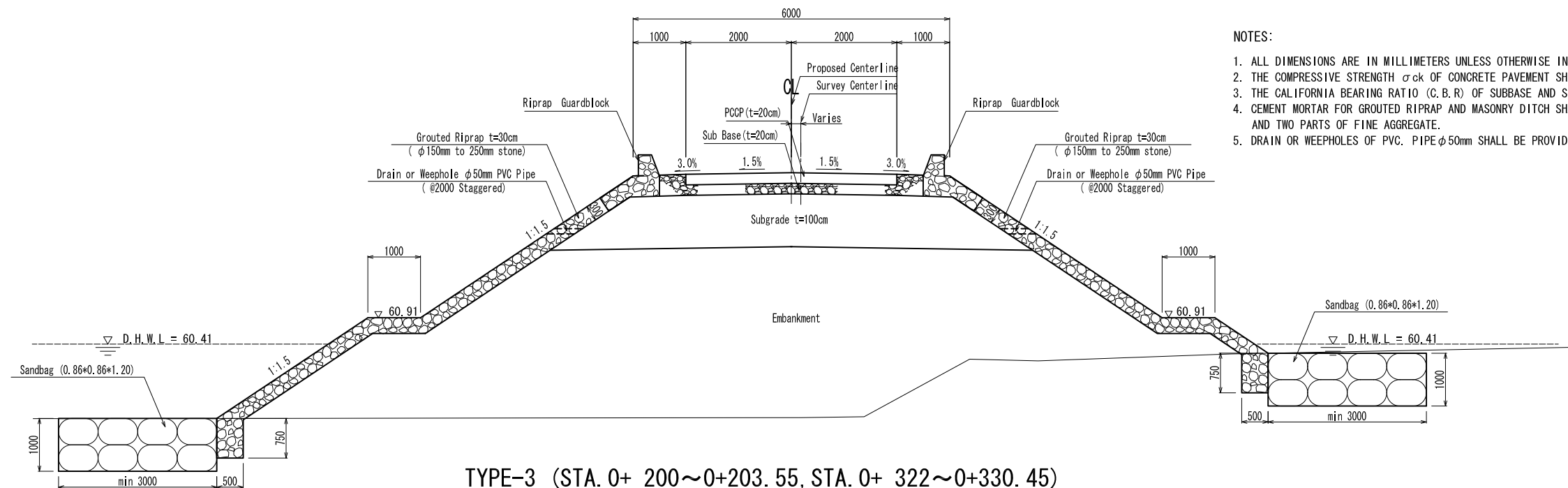
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TYPE-1 (STA. 0+30~0+60 RUNOFF SECTION)



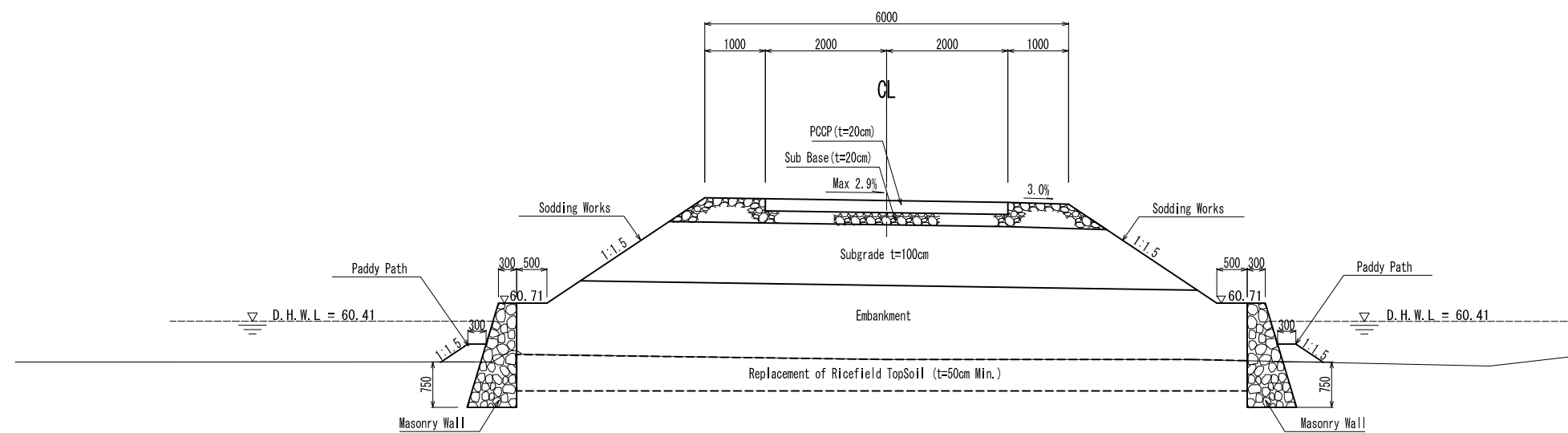
TYPE-2 (STA. 0+ 60~0+203.55)



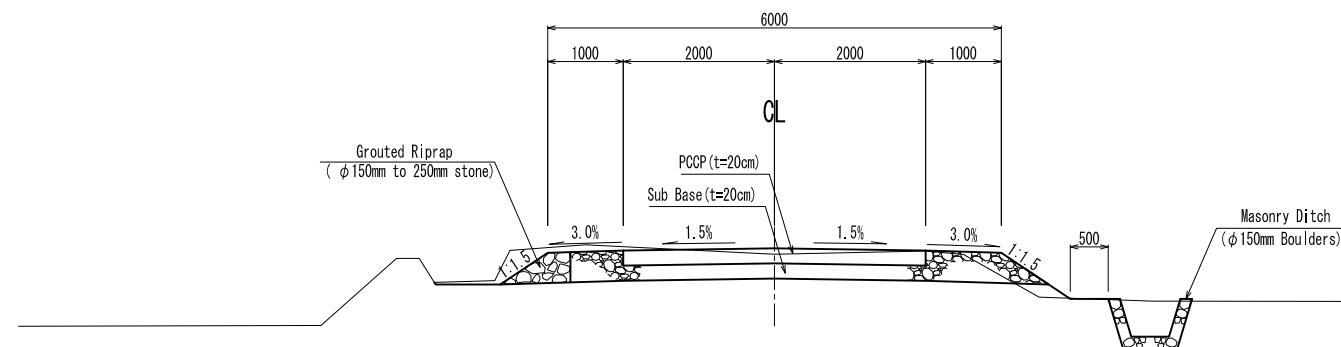
TYPE-3 (STA. 0+ 200~0+203.55, STA. 0+ 322~0+330.45)

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED.
2. THE COMPRESSIVE STRENGTH σ_{ck} OF CONCRETE PAVEMENT SHALL BE 24N/mm² (BENDING STRENGTH $\sigma_{28} = 4.0$ N/mm²).
3. THE CALIFORNIA BEARING RATIO (C.B.R) OF SUBBASE AND SUBGRADE SHALL BE 80 AND 6 RESPECTIVELY.
4. CEMENT MORTAR FOR GROUTED RIPRAP AND MASONRY DITCH SHALL BE ONE PART PORTLAND CEMENT AND TWO PARTS OF FINE AGGREGATE.
5. DRAIN OR WEEPHOLES OF PVC. PIPE $\phi 50$ mm SHALL BE PROVIDED AT 2.0m STAGGERED.



TYPE-4 (STA. 0+ 330.45~0+480)



TYPE-5 (STA. 0+ 480~0+563.5)

NOTES:

1. ALL DIMENSIONS ARE IN MILLIMETERS UNLESS OTHERWISE INDICATED.
2. THE COMPRESSIVE STRENGTH σ_{ck} OF CONCRETE PAVEMENT SHALL BE 24N/mm² (BENDING STRENGTH $\sigma_{28} = 4.0$ N/mm²).
3. THE CALIFORNIA BEARING RATIO (C.B.R) OF SUBBASE AND SUBGRADE SHALL BE 80 AND 6 RESPECTIVELY.
4. CEMENT MORTAR FOR GROUTED RIPRAP AND MASONRY DITCH SHALL BE ONE PART PORTLAND CEMENT AND TWO PARTS OF FINE AGGREGATE.
5. DRAIN OR WEEPHOLES OF PVC, PIPE $\phi 50$ mm SHALL BE PROVIDED AT 2.0m STAGGERED.

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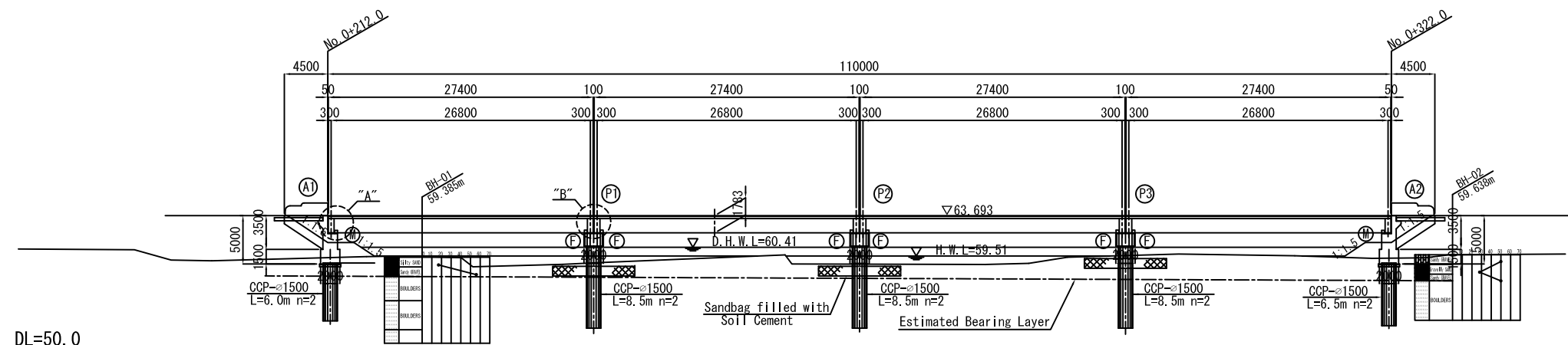
JAPAN INTERNATIONAL COOPERATION AGENCY
CTI ENGINEERING INTERNATIONAL CO., LTD.

TITLE : BAZAL BRIDGE
TYPICAL CROSS SECTION
OF ROAD SECTION (2/2)

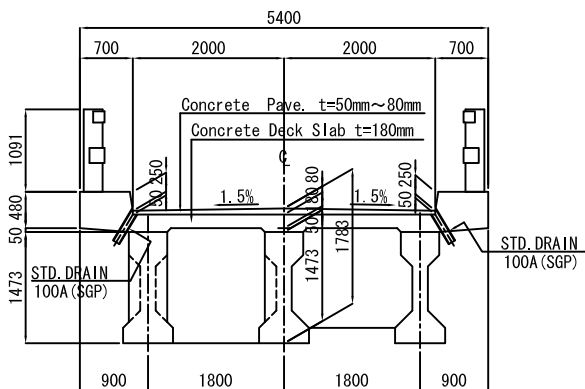
SCALE
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Drawing No.
B07

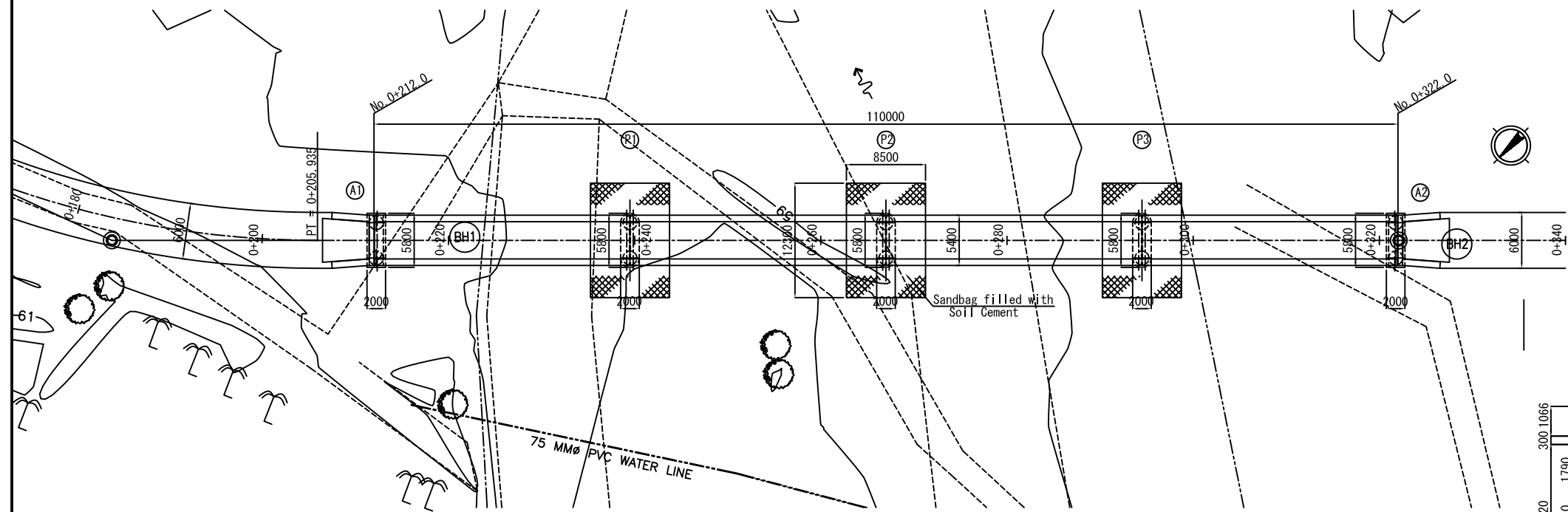
GENERAL DRAWING OF BAZAL BRIDGE



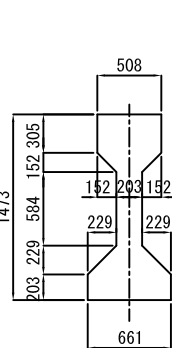
PROFILE SCALE 1:300



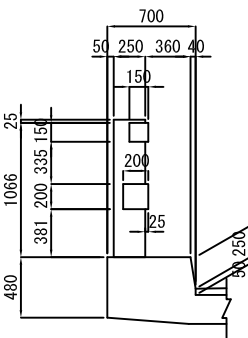
BRIDGE CROSS SECTION SCALE 1:50



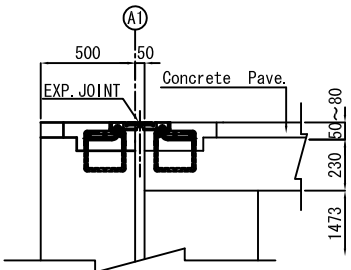
PLAN SCALE 1:300



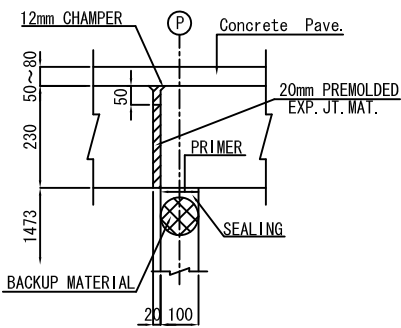
PC GIRDER TYPE IV-A SCALE 1:30



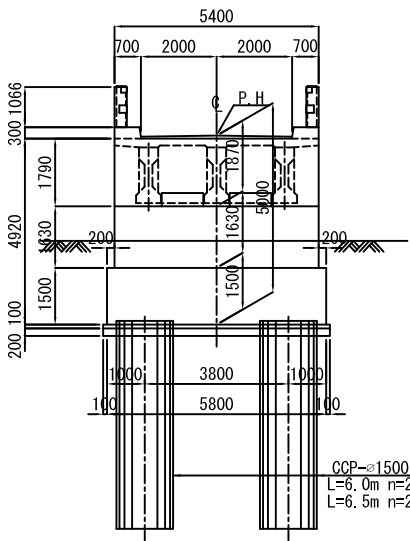
DETAIL SCALE 1:30



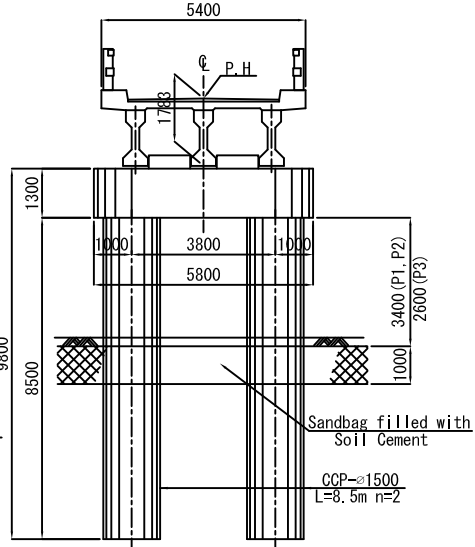
DETAIL "A" SCALE 1:20



DETAIL "B" SCALE 1:10



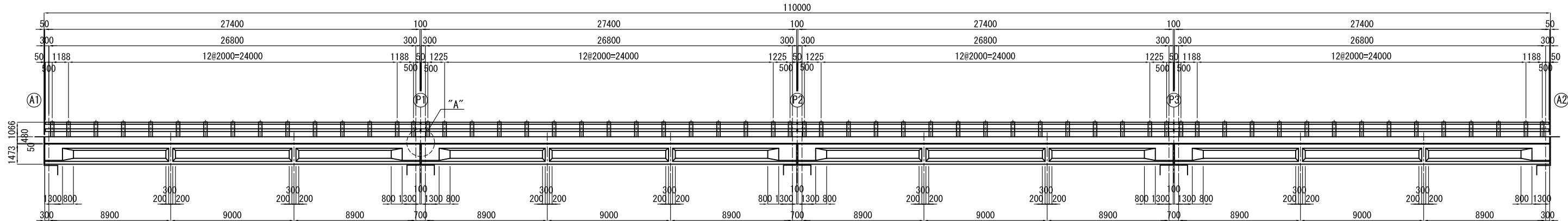
ABUTMENT SCALE 1:100



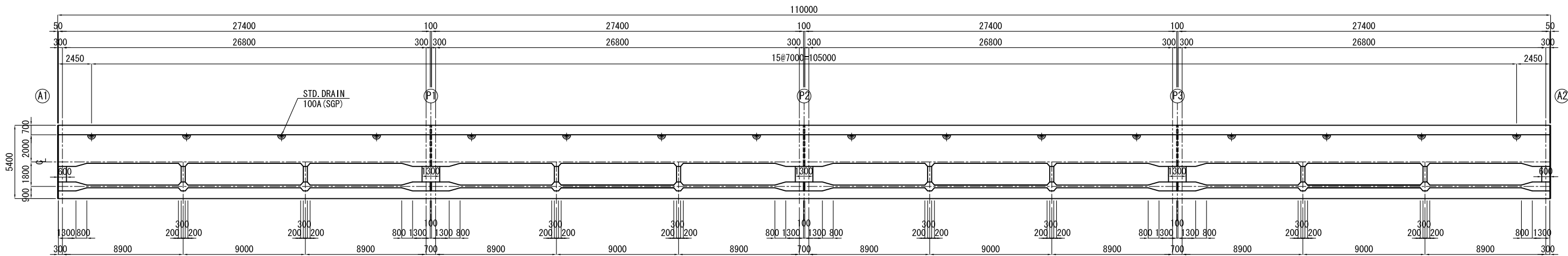
PIERS SCALE 1:100

STRUCTURAL DRAWING OF SUPERSTURCTURE

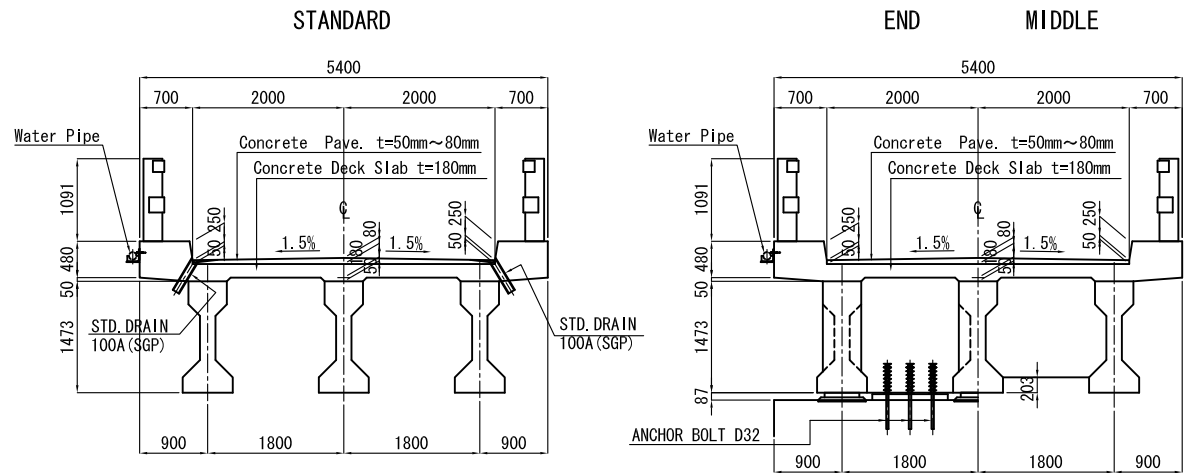
ELEVATION SCALE 1:150



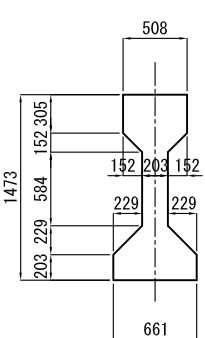
PLAN SCALE 1:150



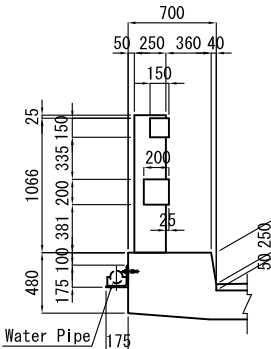
BRIDGE CROSS SECTION SCALE 1:50



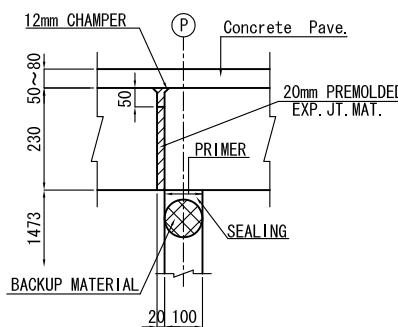
PC GIRDER TYPE IV-A SCALE 1:30



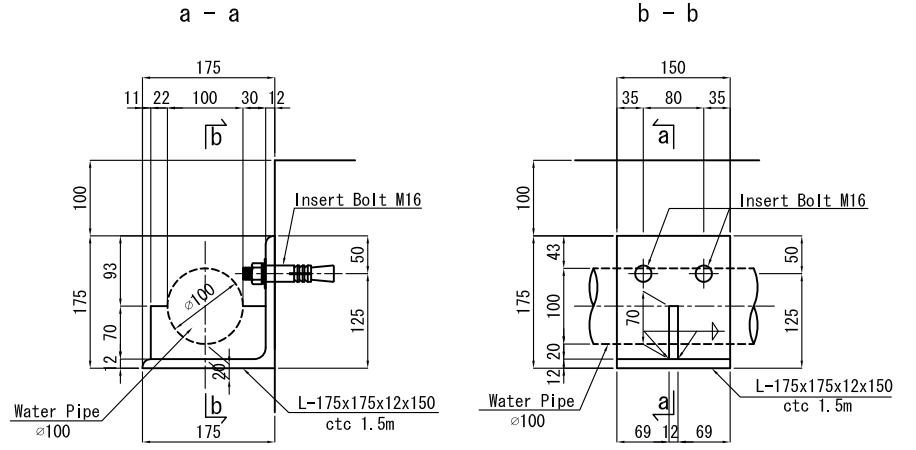
DETAIL SCALE 1:30



DETAIL "A" SCALE 1:10



DETAIL SCALE 1:5



STRUCTURAL DRAWING OF A1, A2 ABUTMENT (1) SCALE 1:50

