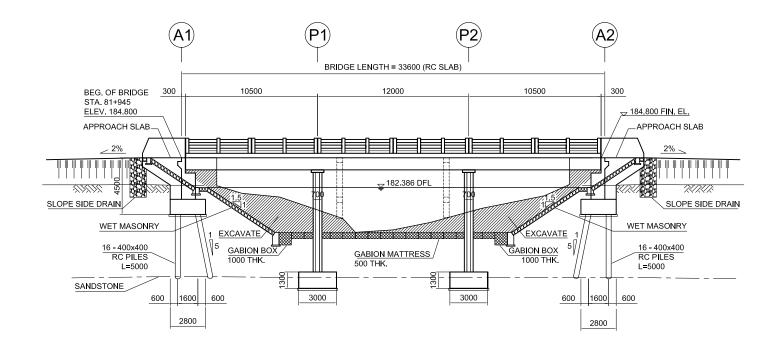


11000 500 1500 3500 3500 1500_500 SHOULDER TRAFFIC LANE TRAFFIC LANE SHOULDER WEARING COURSE _3% 위 16 **-** 400x400 RC PILES 7@1400=9800

> ABUTMENT SECTION SCALE: 1:200

BRIDGE No.9 STA. 72+946



ELEVATION

SCALE:

- 50mm ASPHALT WEARING COURSE -16 **-** 400x400 RC PILES 3@1400=4200 L=5000

3500

SHOULDER TRAFFIC LANE TRAFFIC LANE SHOULDER

1500 500

WALL PIER HALF SECTION SCALE:

ABUTMENT HALF SECTION

BRIDGE No.10 STA. 81+945 B



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THE STUDY ON THE ROAD NETWORK DEVELOPMENT IN THE KINGDOM OF CAMBODIA PRE-FEASIBILITY STUDY ON IMPROVEMENT OF NATIONAL ROAD No. 57

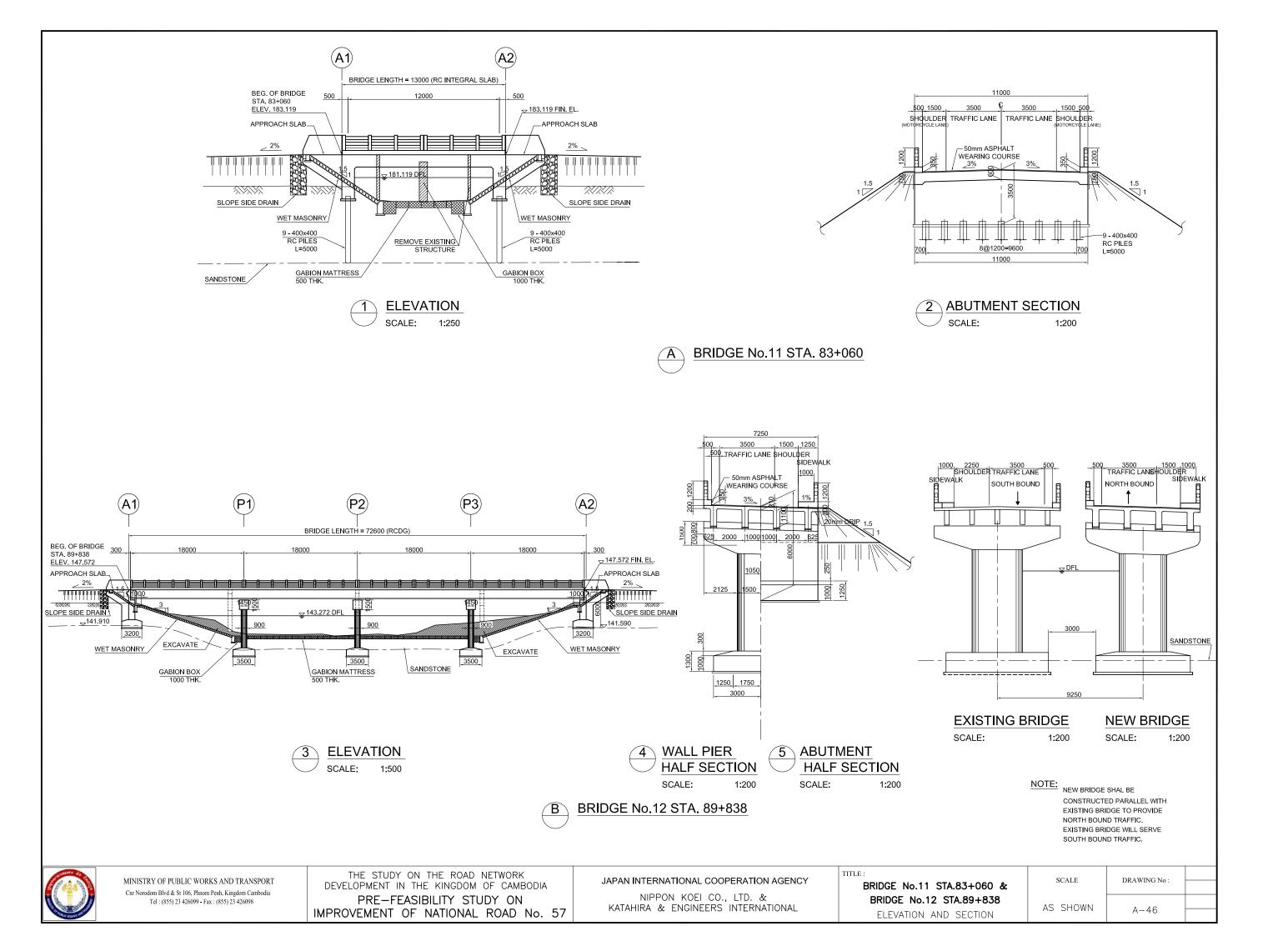
JAPAN INTERNATIONAL COOPERATION AGENCY NIPPON KOEI CO., LTD. & KATAHIRA & ENGINEERS INTERNATIONAL

BRIDGE No.9 STA.72+946 & BRIDGE No.10 STA.81+945 ELEVATION AND SECTION

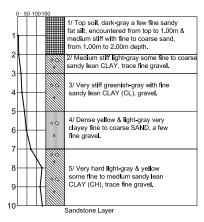
500 1500

3500

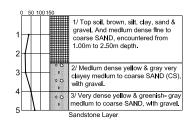
SCALE DRAWING No: AS SHOWN A - 45



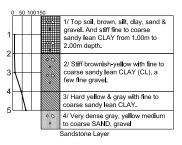
Borehole No. 9 Road No. NR-57 Station 41.800 Borehole Elevation 35.850



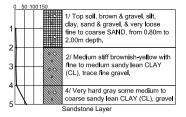
Borehole No. 10 Road No. NR-57 Station 60+000 Borehole Elevation 77.990



Borehole No. 11A
Road No. NR-57
Station 90+000
Borehole Elevation 147.210



Borehole No. 11B
Road No. NR-57
Station 90+00
Borehole Elevation 146.890





THE STUDY ON THE ROAD NETWORK
DEVELOPMENT IN THE KINGDOM OF CAMBODIA
PRE-FEASIBILITY STUDY ON
IMPROVEMENT OF NATIONAL ROAD No. 57

JAPAN INTERNATIONAL COOPERATION AGENCY

NIPPON KOEI CO., LTD. &

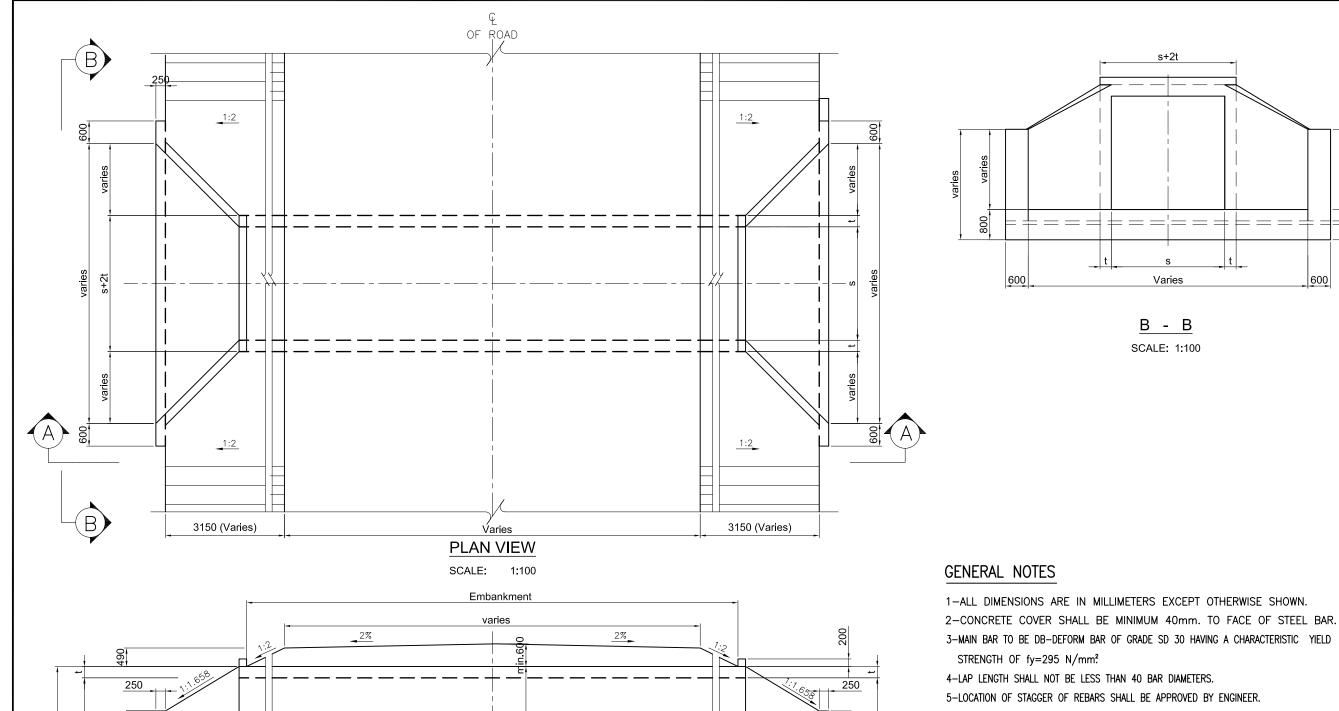
KATAHIRA & ENGINEERS INTERNATIONAL

BOREHOLE LOGS

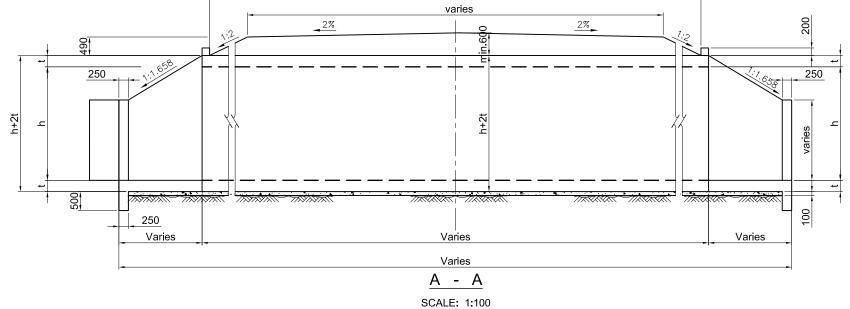
TITLE:

SCALE DRAWING No:

NOT TO SCALE A-47



- 6-STRUCTURAL CONCRETE TO HAVE A CHARACTERISTIC CYLINDER STRENGTH fc'=30 MPa.
- 7-BLINDING CONCRETE TO HAVE A REQUIREMENT STRENGTH fc'=18 MPa.
- 8-EMBANKMENT ON TOP OF BOX CULVERT SHALL HAVE THICKNESS min. 0.6m.



TYPE 1 BOX CULVERT (RCBC-1)



MINISTRY OF PUBLIC WORKS AND TRANSPORT

Cnr Norodom Blvd & St 106, Phnom Penh, Kingdom Cambodia

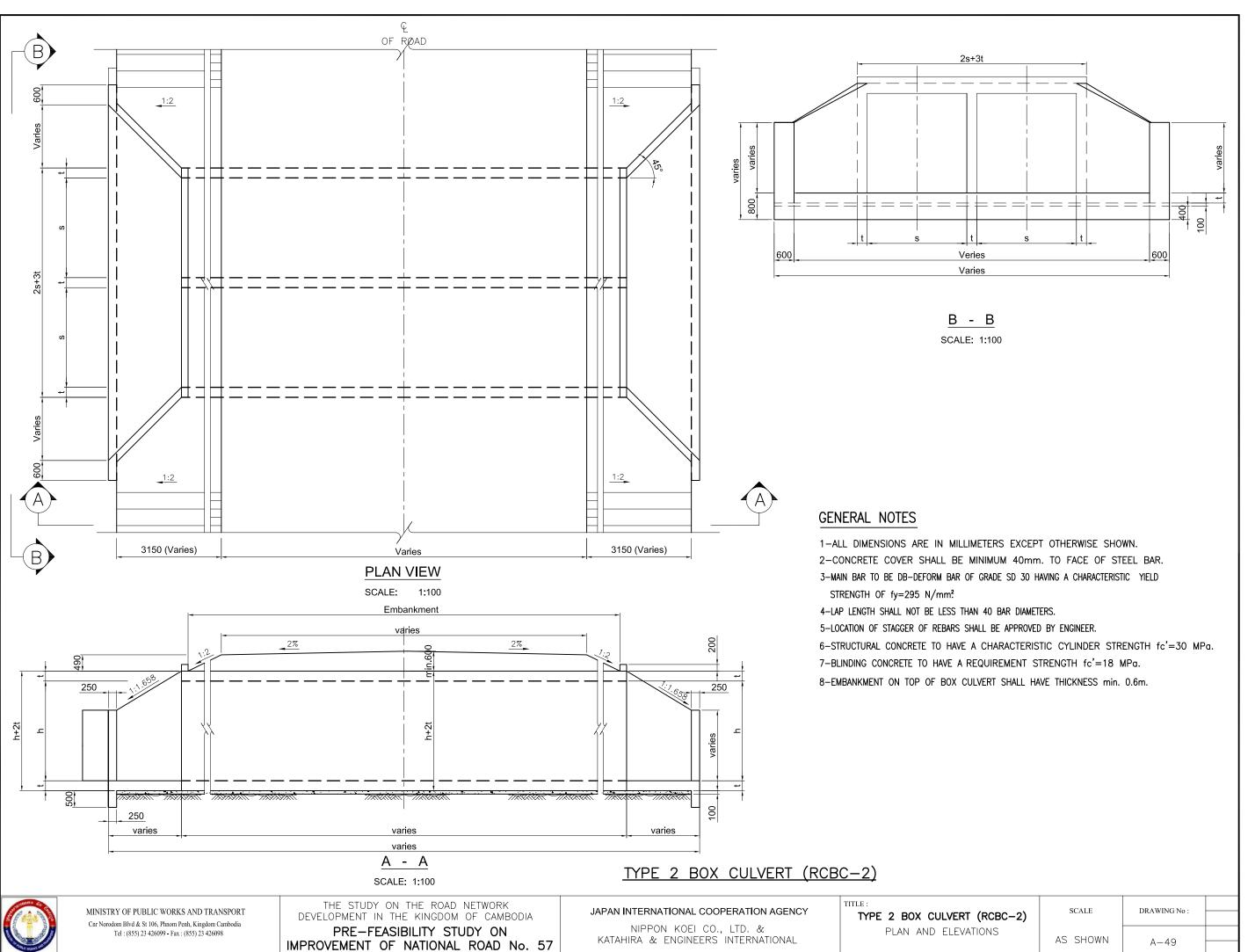
Tel: (855) 23 426099 - Fax: (855) 23 426098

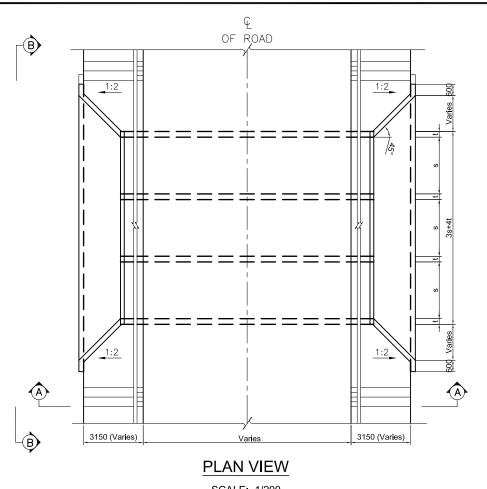
THE STUDY ON THE ROAD NETWORK DEVELOPMENT IN THE KINGDOM OF CAMBODIA

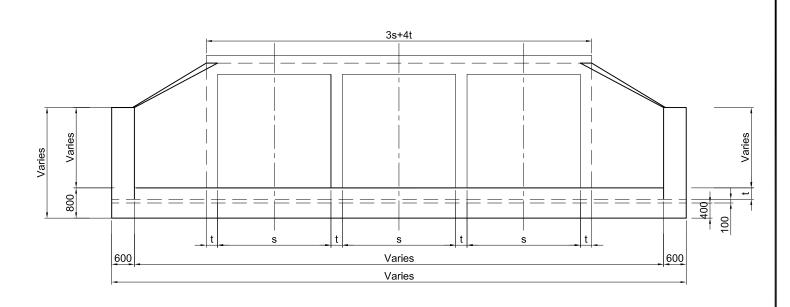
PRE-FEASIBILITY STUDY ON IMPROVEMENT OF NATIONAL ROAD No. 57 JAPAN INTERNATIONAL COOPERATION AGENCY NIPPON KOEI CO., LTD. & KATAHIRA & ENGINEERS INTERNATIONAL

TYPE 1 BOX CULVERT (RCBC-1) PLAN AND ELEVATIONS

SCALE DRAWING No: AS SHOWN A - 48

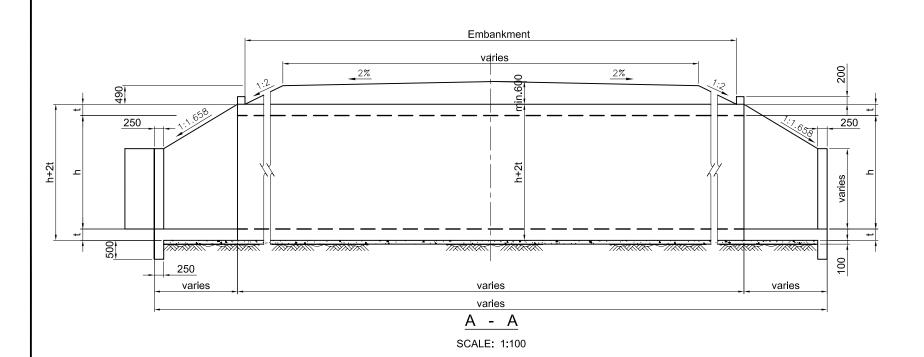






B - B SCALE: 1/100

SCALE: 1/200



GENERAL NOTES

- 1-ALL DIMENSIONS ARE IN MILLIMETERS EXCEPT OTHERWISE SHOWN.
- 2-CONCRETE COVER SHALL BE MINIMUM 40mm. TO FACE OF STEEL BAR.
- 3-MAIN BAR TO BE DB-DEFORM BAR OF GRADE SD 30 HAVING A CHARACTERISTIC YIELD STRENGTH OF fy=295 N/mm²
- 4-LAP LENGTH SHALL NOT BE LESS THAN 40 BAR DIAMETERS.
- 5-LOCATION OF STAGGER OF REBARS SHALL BE APPROVED BY ENGINEER.
- 6-STRUCTURAL CONCRETE TO HAVE A CHARACTERISTIC CYLINDER STRENGTH fc'=30 MPa.
- 7-BLINDING CONCRETE TO HAVE A REQUIREMENT STRENGTH fc'=18 MPa.
- 8-EMBANKMENT ON TOP OF BOX CULVERT SHALL HAVE THICKNESS min. 0.6m.

TYPE 3 BOX CULVERT (RCBC-3)



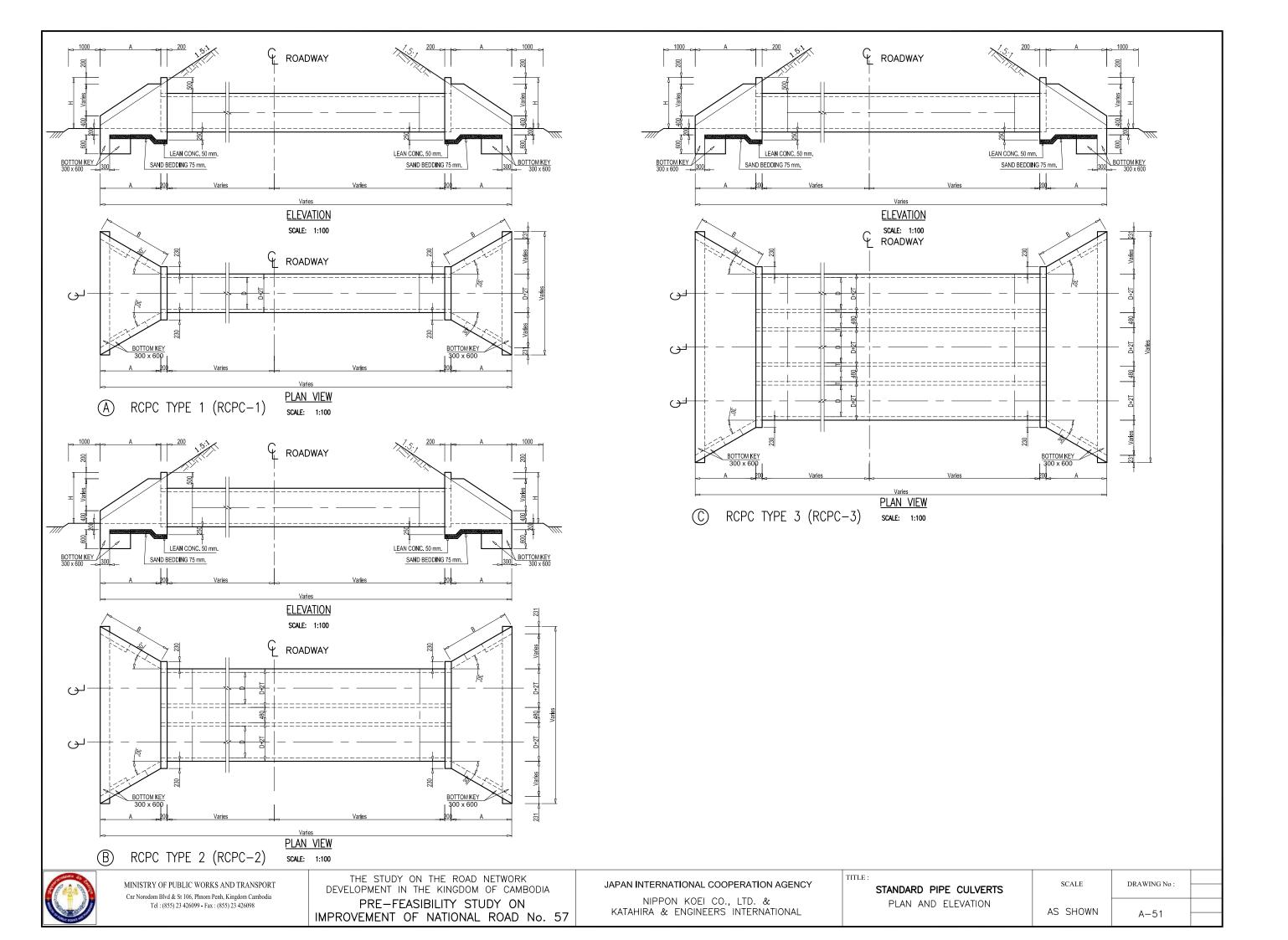
MINISTRY OF PUBLIC WORKS AND TRANSPORT Cnr Norodom Blvd & St 106, Phnom Penh, Kingdom Cambodia Tel: (855) 23 426099 - Fax: (855) 23 426098

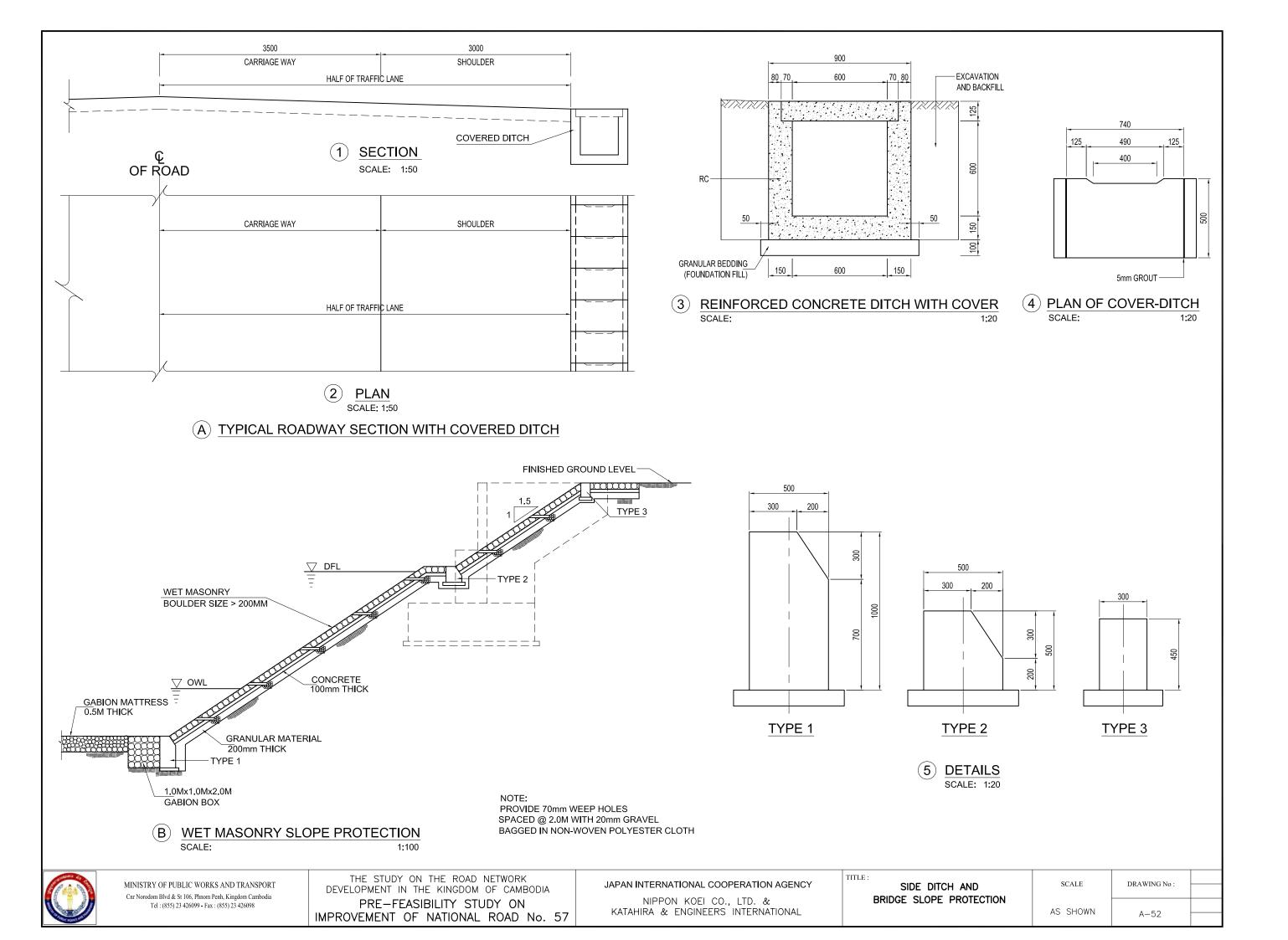
THE STUDY ON THE ROAD NETWORK DEVELOPMENT IN THE KINGDOM OF CAMBODIA

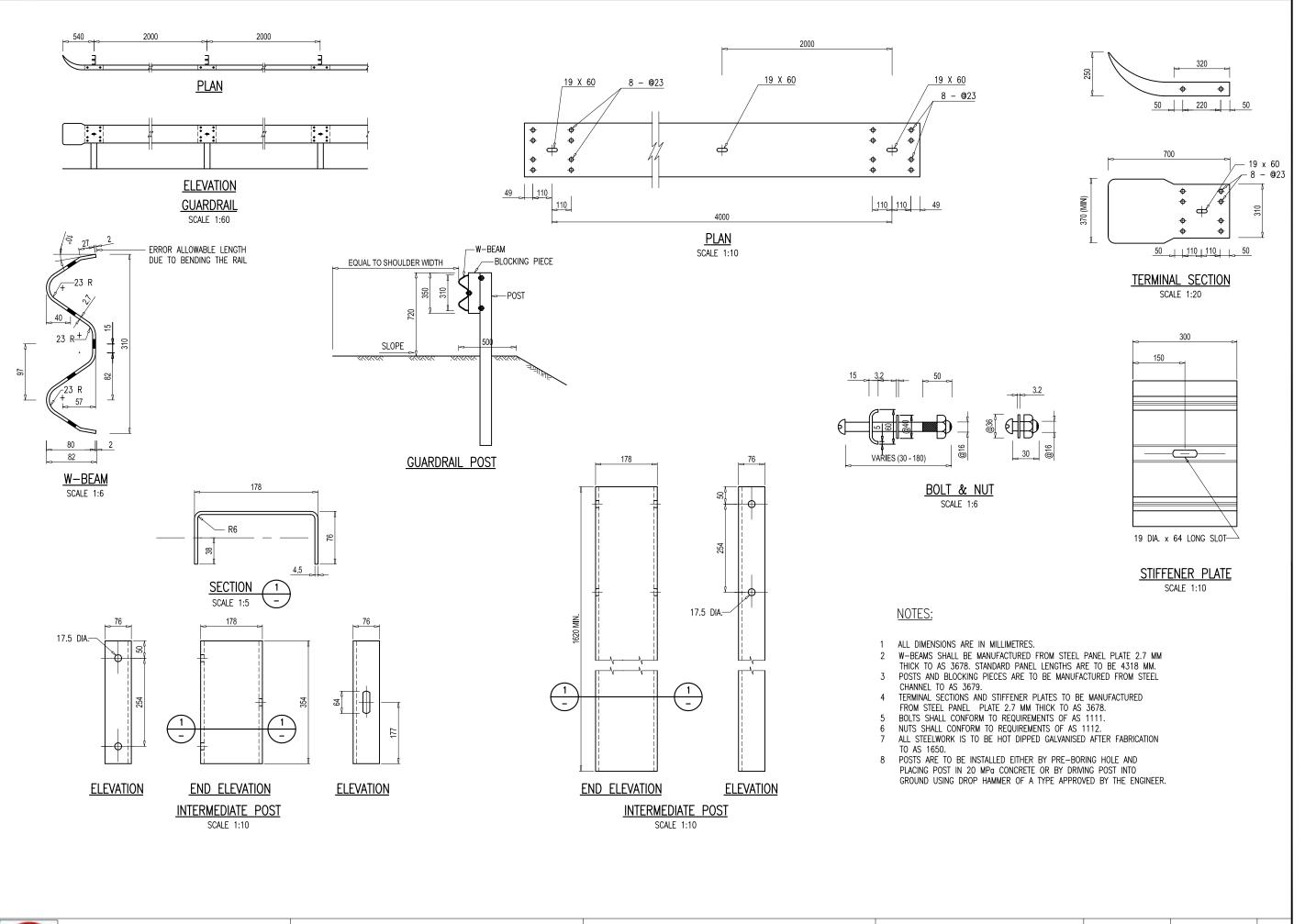
PRE-FEASIBILITY STUDY ON IMPROVEMENT OF NATIONAL ROAD No. 57 JAPAN INTERNATIONAL COOPERATION AGENCY NIPPON KOEI CO., LTD. & KATAHIRA & ENGINEERS INTERNATIONAL

TYPE 3 BOX CULVERT (RCBC-3) PLAN AND ELEVATIONS

SCALE DRAWING No: AS SHOWN A - 50









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DEVELOPMENT IN THE KINGDOM OF CAMBODIA
PRE-FEASIBILITY STUDY ON
IMPROVEMENT OF NATIONAL ROAD No. 57

JAPAN INTERNATIONAL COOPERATION AGENCY

NIPPON KOEI CO., LTD. &

KATAHIRA & ENGINEERS INTERNATIONAL

TITLE:

GUARDRAIL
TYPICAL DETAILS

SCALE DRAWII

DRAWING No: