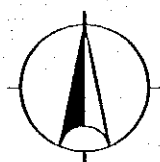
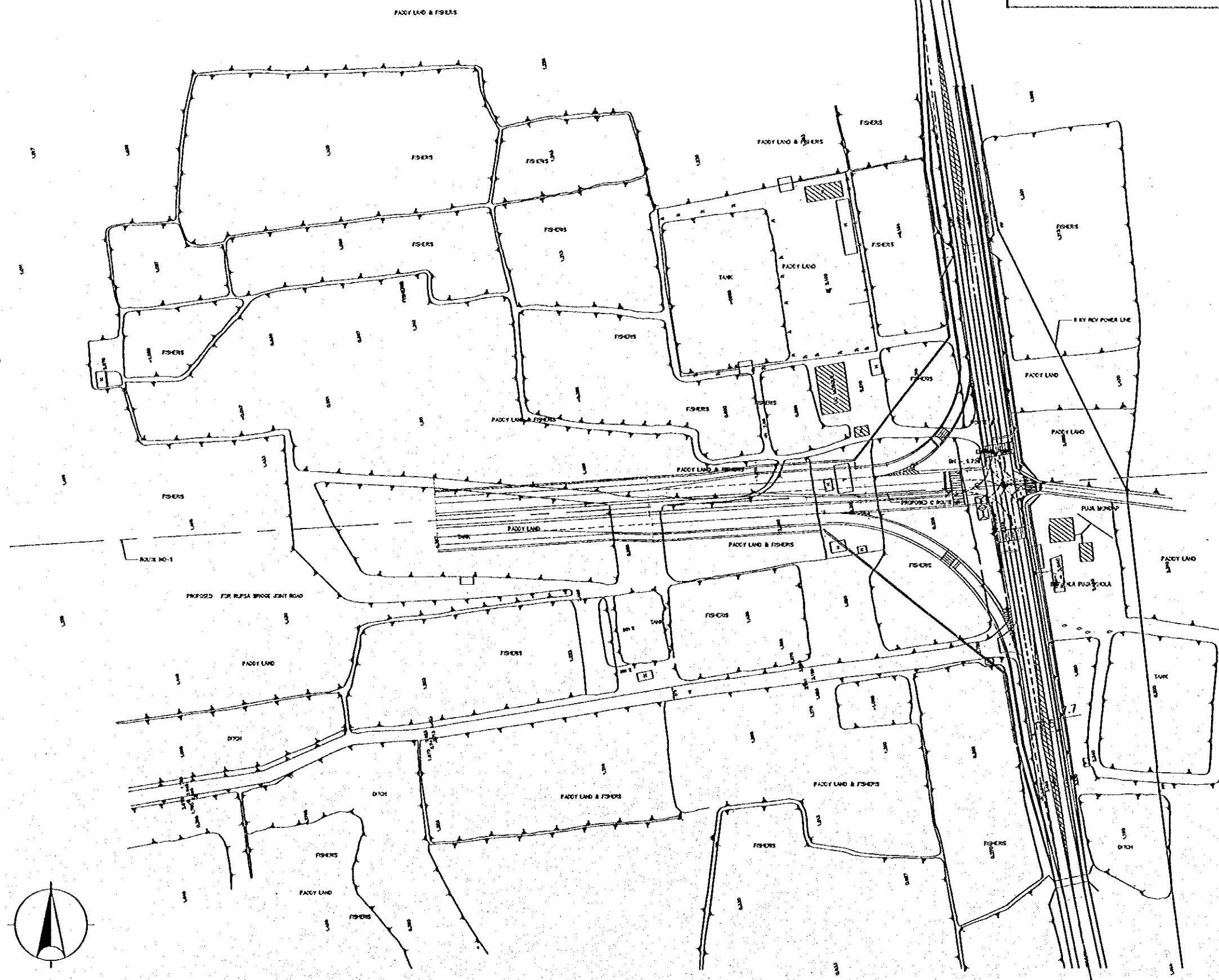


THE STUDY ON CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA (PHASE 2)

INTERSECTION (Teelok)

SHEET
NO.

A-28

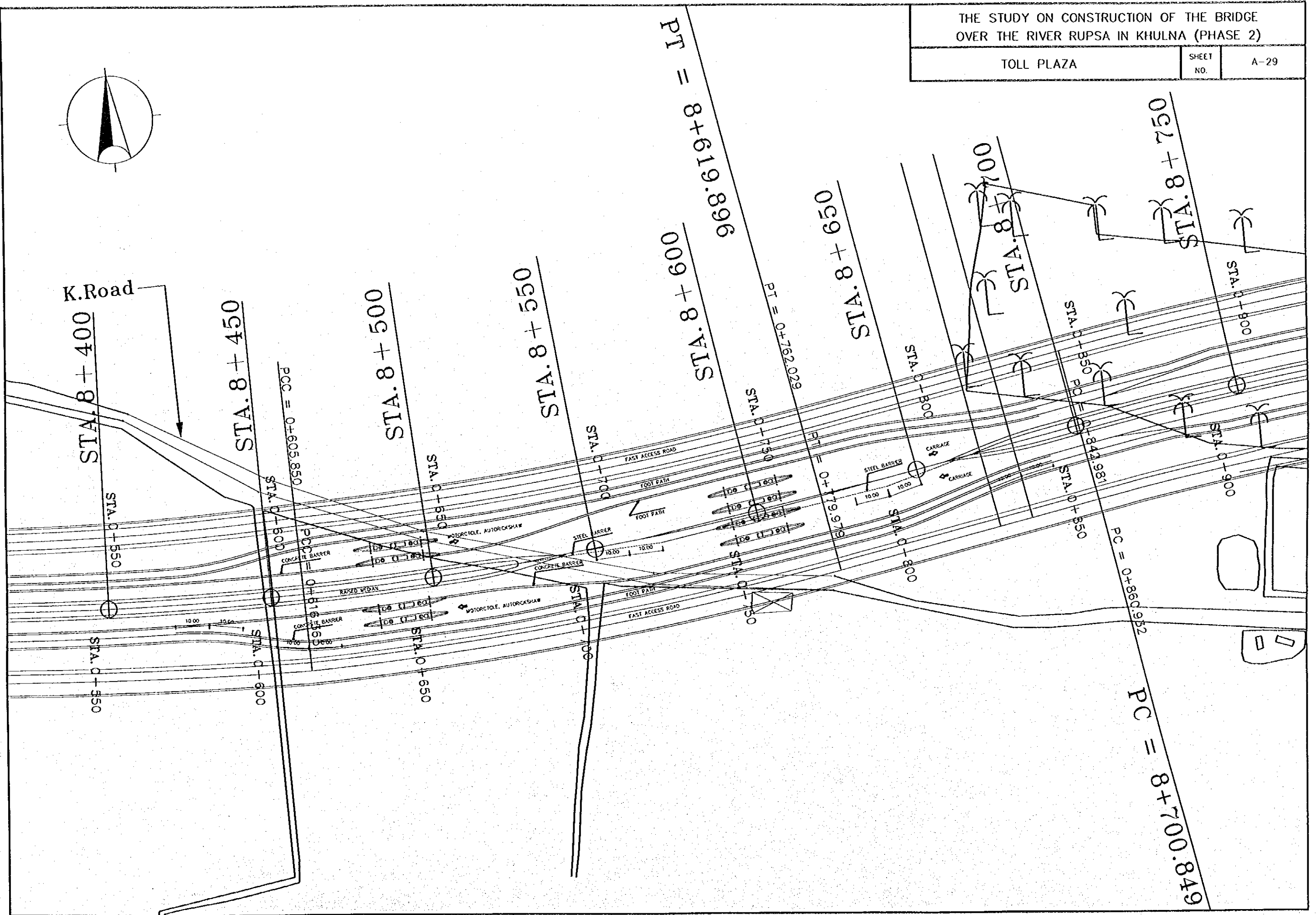
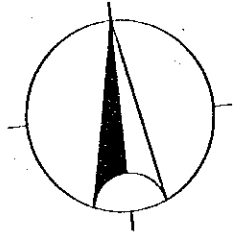


THE STUDY ON CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA (PHASE 2)

TOLL PLAZA

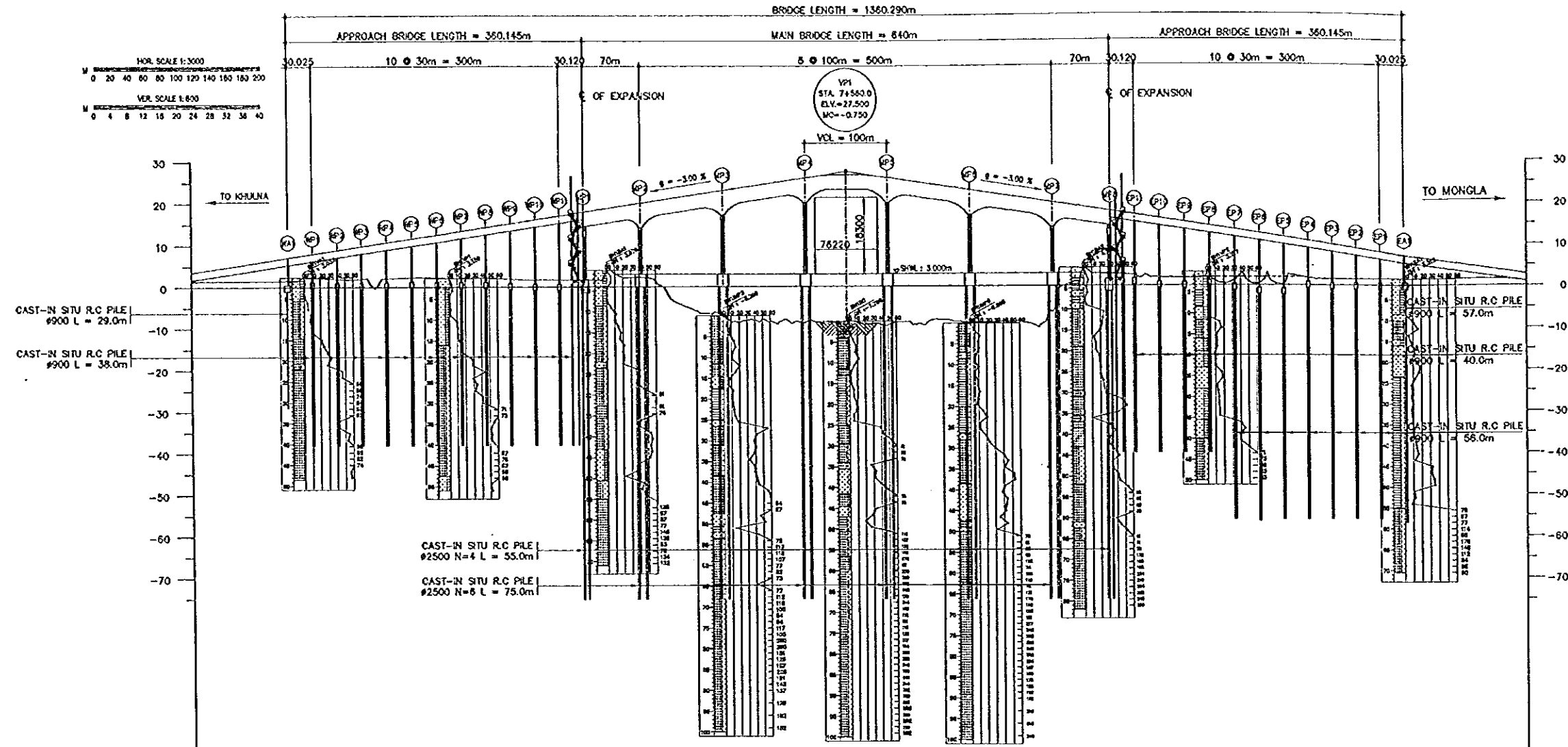
SHEET
NO.

A-29



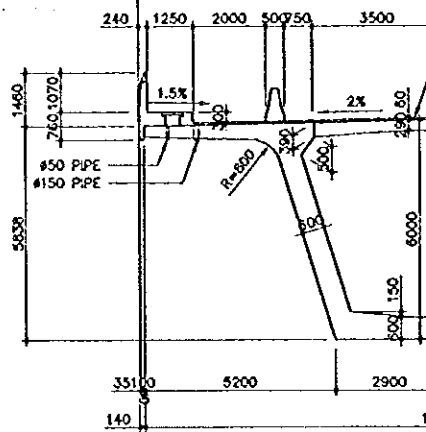
B. STRUCTURE

OPT-(1)



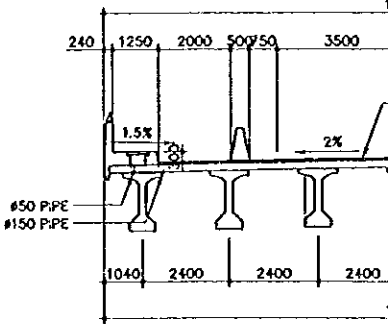
SUPERSTRUCTURE

AT INTERMEDIATE SUPPORT



1 B-01

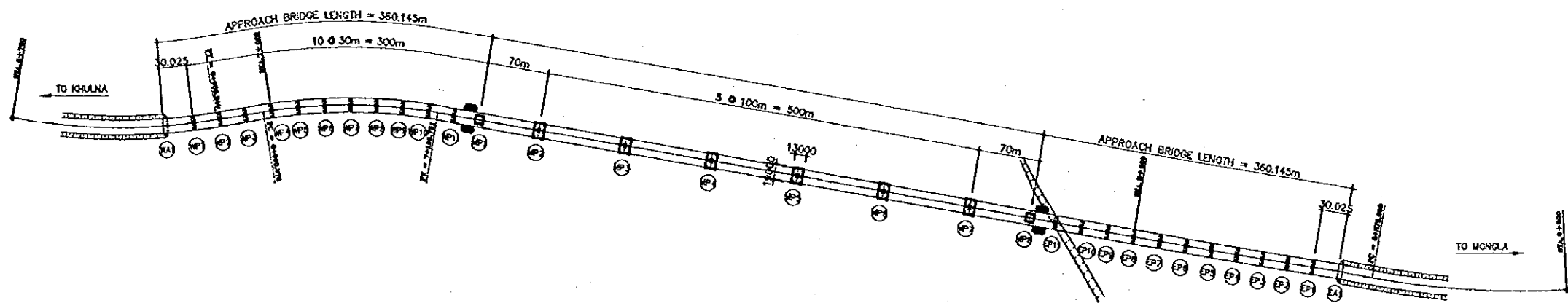
TYPICAL

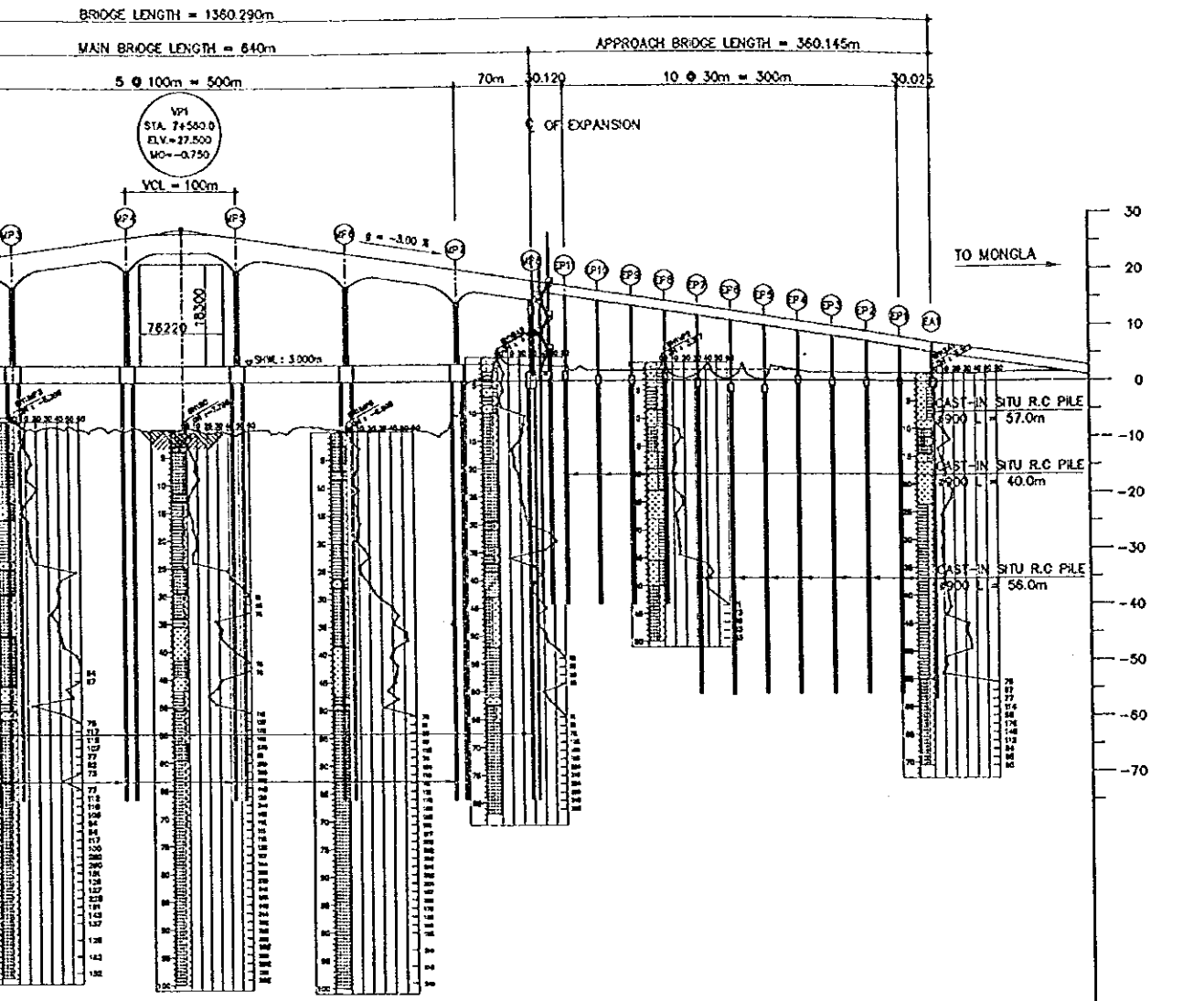


2 APP. SCALE B-01

Dotum Line -80.000 (M)

| STATION | DISTANCE | GROUND HT. | PROPOSED HT. | LONGITUDINAL GRADE |
|--------------|----------|------------|--------------|--------------------|
| STA. 74100.0 | | | | |
| STA. 74107.5 | | 1.037 | 7.098 | |
| STA. 74115.0 | | 2.236 | 7.086 | |
| STA. 74122.5 | | 1.940 | 8.096 | |
| STA. 74130.0 | | 1.983 | 8.096 | |
| STA. 74137.5 | | 2.046 | 10.069 | |
| STA. 74145.0 | | 2.311 | 11.568 | |
| STA. 74152.5 | | 2.230 | 12.448 | |
| STA. 74160.0 | | 2.118 | 13.358 | |
| STA. 74167.5 | | 2.157 | 14.298 | |
| STA. 74175.0 | | 1.994 | 15.108 | |
| STA. 74182.5 | | 1.771 | 16.098 | |
| STA. 74190.0 | | 1.889 | 16.898 | |
| STA. 74197.5 | | 1.682 | 17.800 | |
| STA. 74205.0 | | 2.298 | 20.000 | |
| STA. 74212.5 | | -7.025 | 23.000 | |
| STA. 74220.0 | | -8.837 | 26.000 | |
| STA. 74227.5 | | -8.985 | 26.750 | |
| STA. 74235.0 | | -8.337 | 26.000 | |
| STA. 74242.5 | | -6.688 | 23.000 | |
| STA. 74250.0 | | -4.293 | 20.000 | |
| STA. 74257.5 | | 2.977 | 17.800 | |
| STA. 74265.0 | | 2.891 | 16.998 | |
| STA. 74272.5 | | 1.896 | 16.098 | |
| STA. 74280.0 | | 1.820 | 15.198 | |
| STA. 74287.5 | | 1.070 | 14.298 | |
| STA. 74295.0 | | 1.070 | 13.398 | |
| STA. 74302.5 | | 1.970 | 12.498 | |
| STA. 74310.0 | | 1.970 | 11.598 | |
| STA. 74317.5 | | 1.819 | 10.698 | |
| STA. 74325.0 | | 1.484 | 9.798 | |
| STA. 74332.5 | | 1.442 | 8.898 | |
| STA. 74340.0 | | 1.454 | 7.998 | |
| STA. 74347.5 | | 1.465 | 7.098 | |

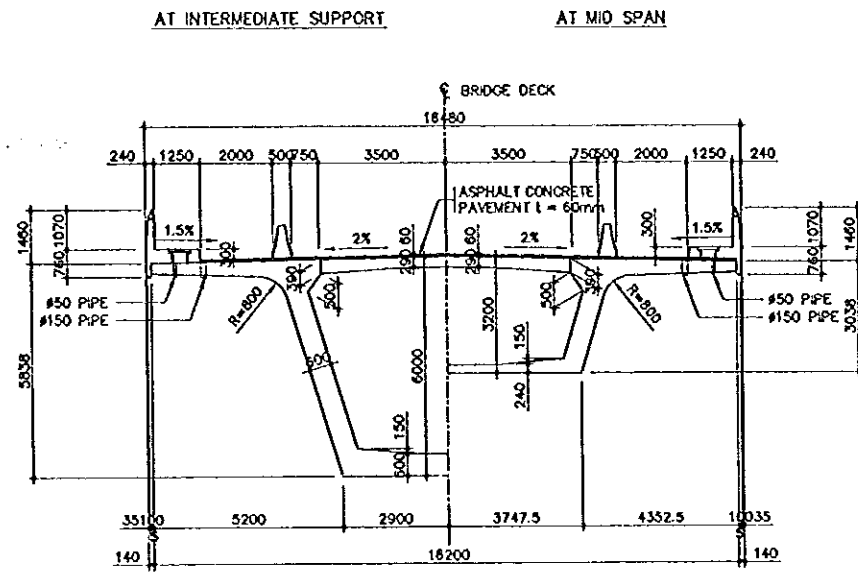




OPT-(1) 7-SPAN PC BOX GIRDER

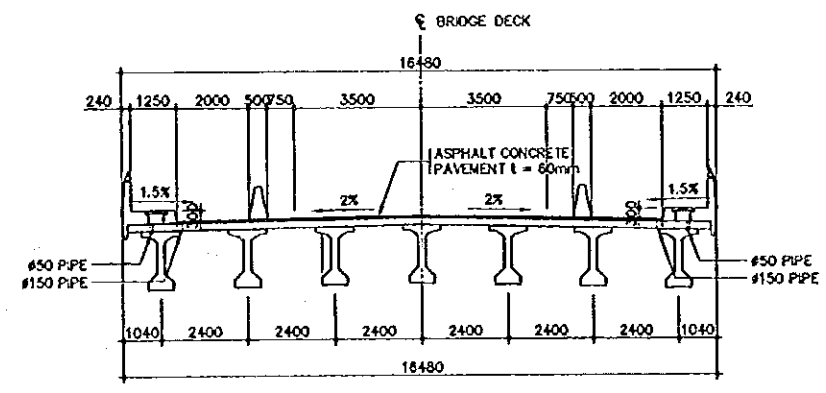
MAIN BRIDGE SUBSTRUCTURE (TYPICAL PIER MP2 ~ MP7)

SUPERSTRUCTURE CROSS SECTION

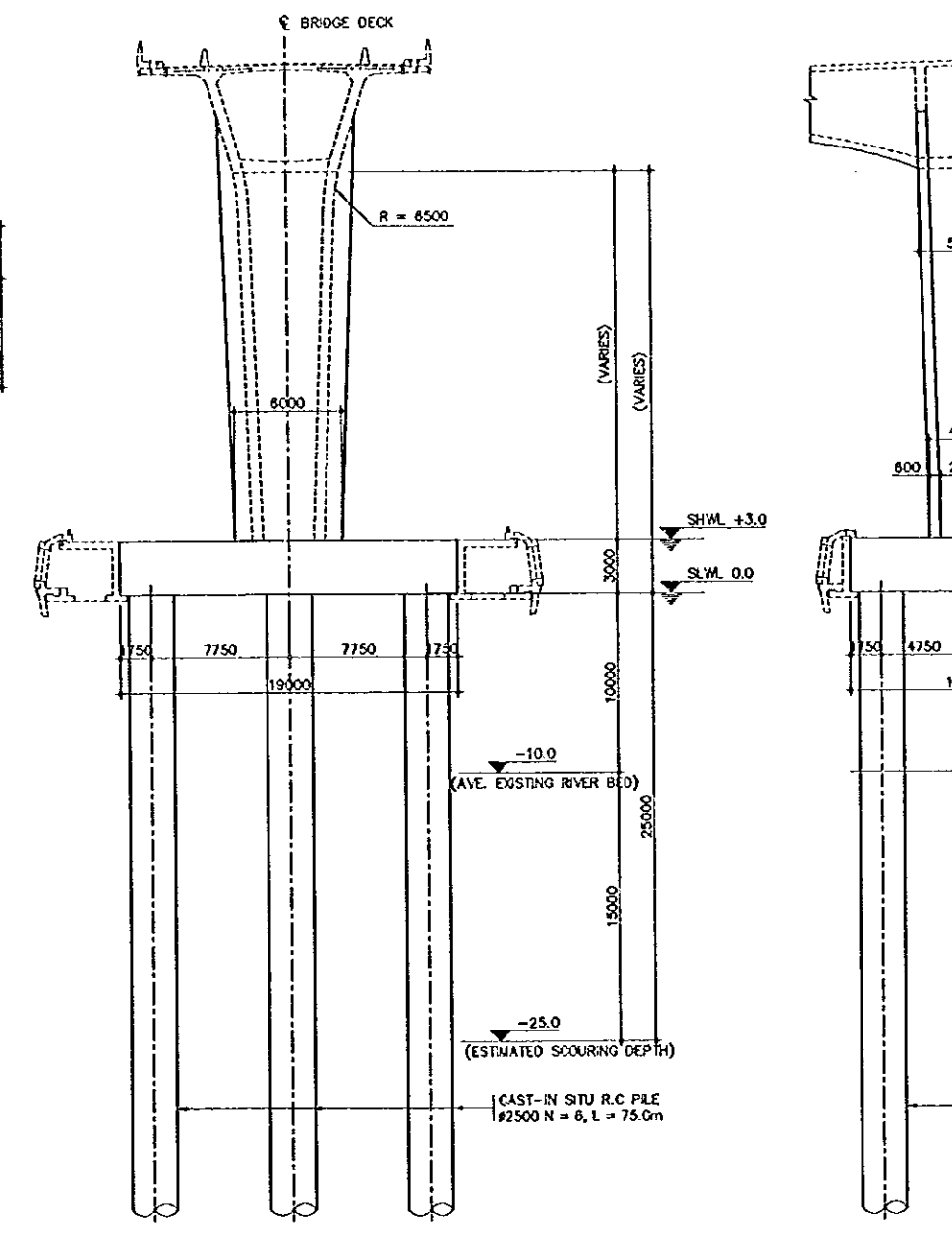


1 MAIN BRIDGE
 B-01 SCALE 1:100

TYPICAL SECTION

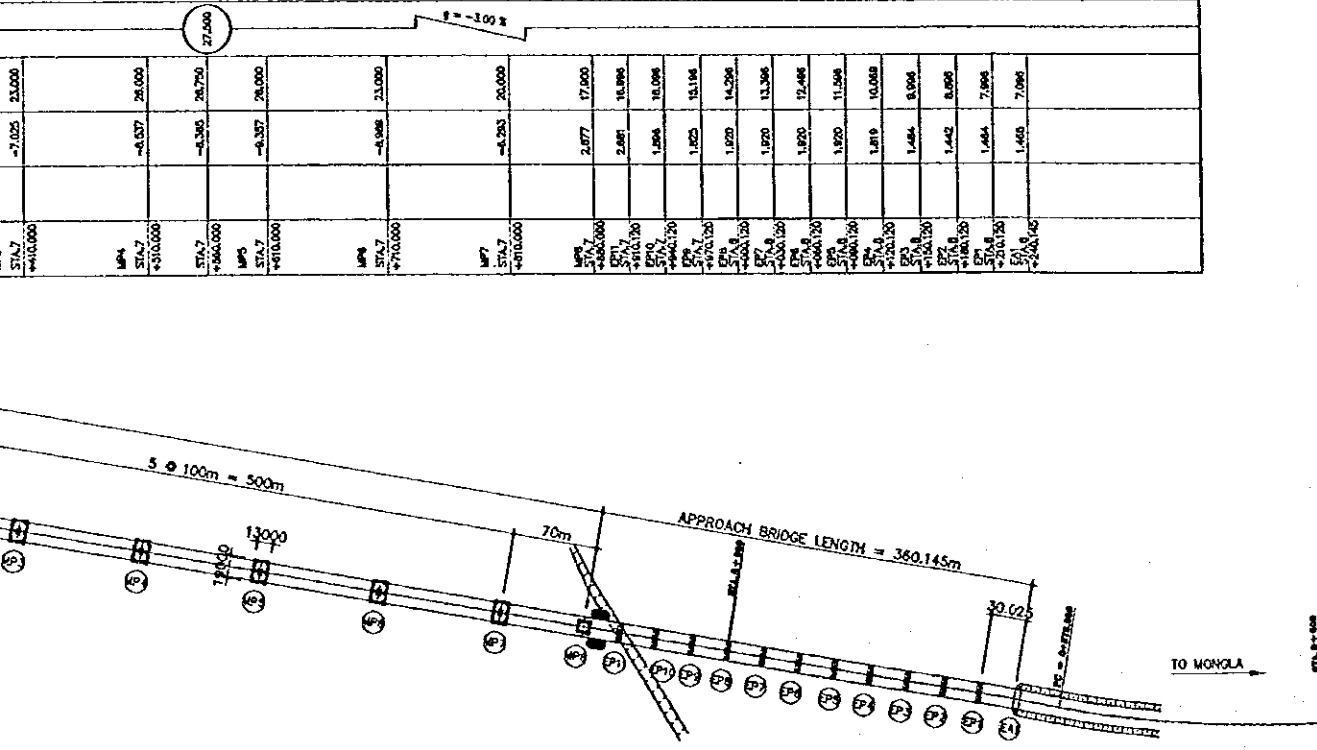


2 APPROACH BRIDGE
 B-01 SCALE 1:100



3 TRANSVERSE SECTION
 B-01 SCALE 1:200

4 LONGITUDINAL SECTION
 B-01 SCALE



1) 7-SPAN PC BOX GIRDER

THE STUDY ON CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA (PHASE 2)

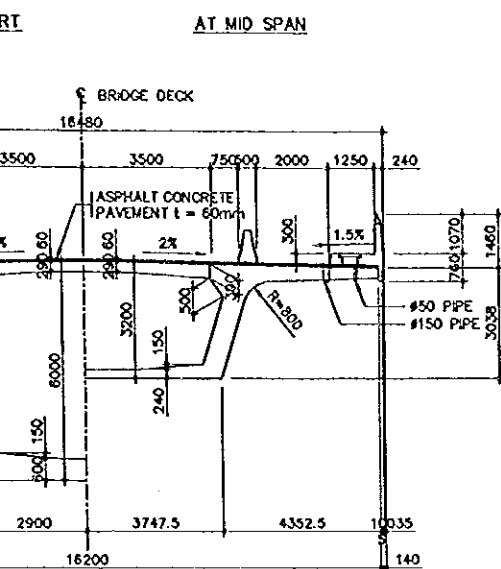
Rupsa Bridge Option (1)

SHEET
NO.

B-01

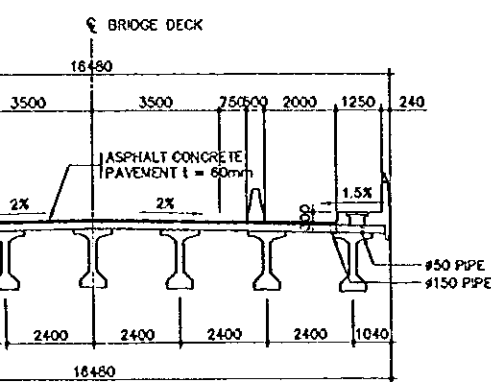
MAIN BRIDGE SUBSTRUCTURE
(TYPICAL PIER MP2 ~ MP7)

TRANSVERSE CROSS SECTION

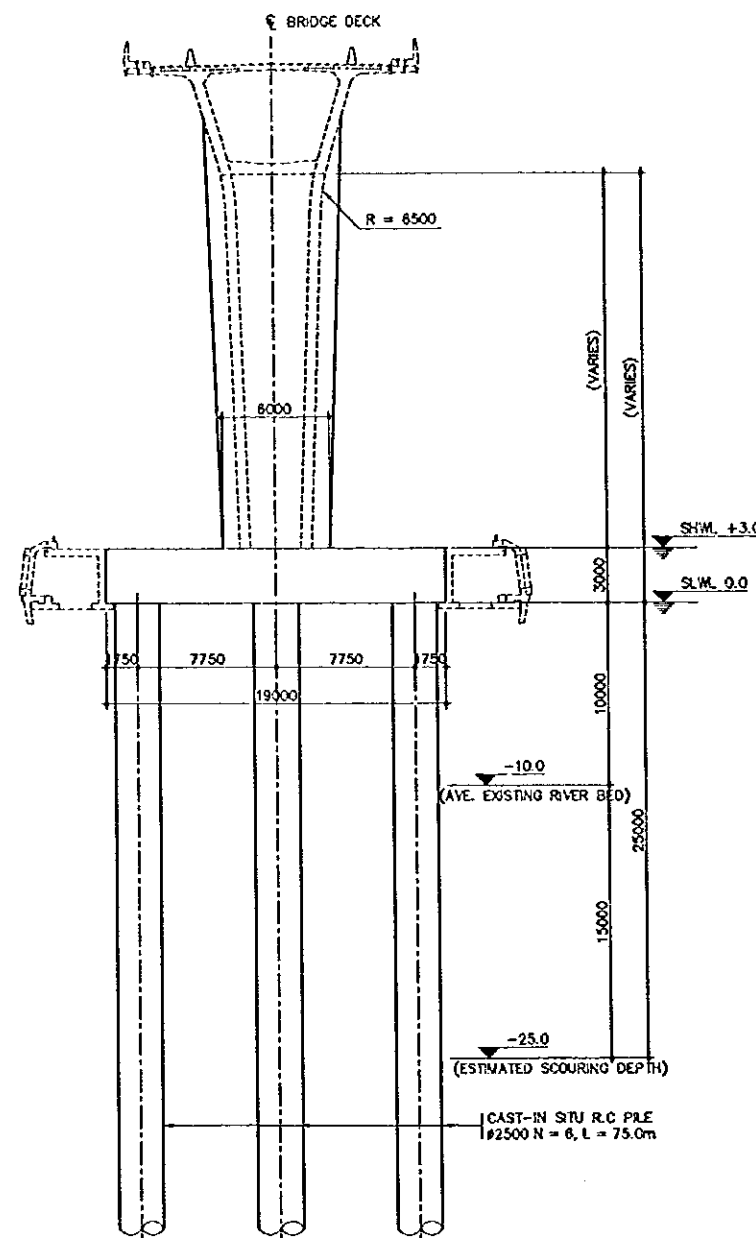


MAIN BRIDGE
SCALE 1:100

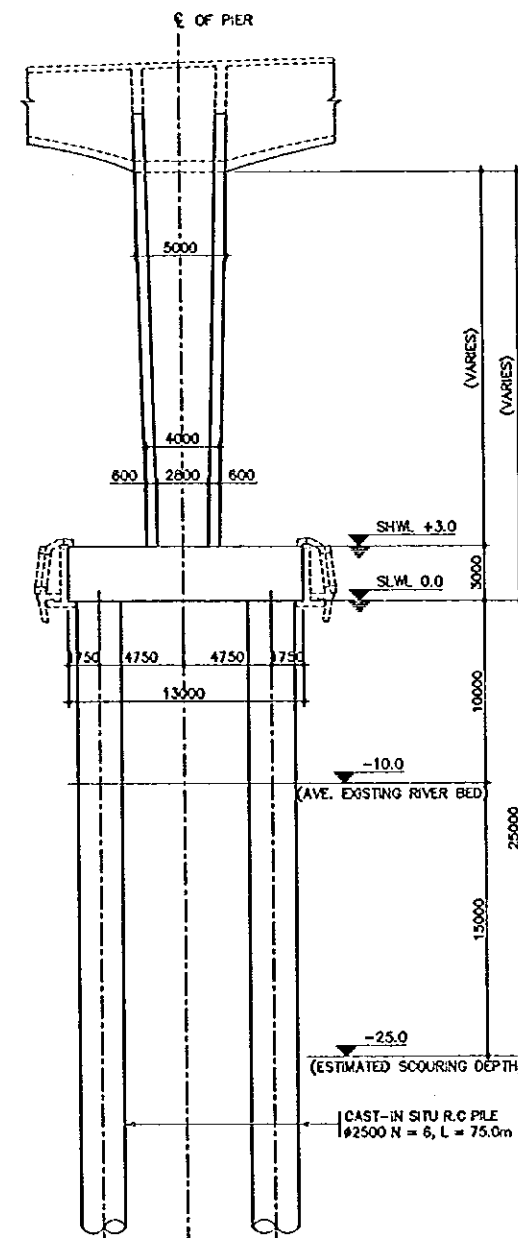
LONGITUDINAL SECTION



APPROACH BRIDGE
SCALE 1:100

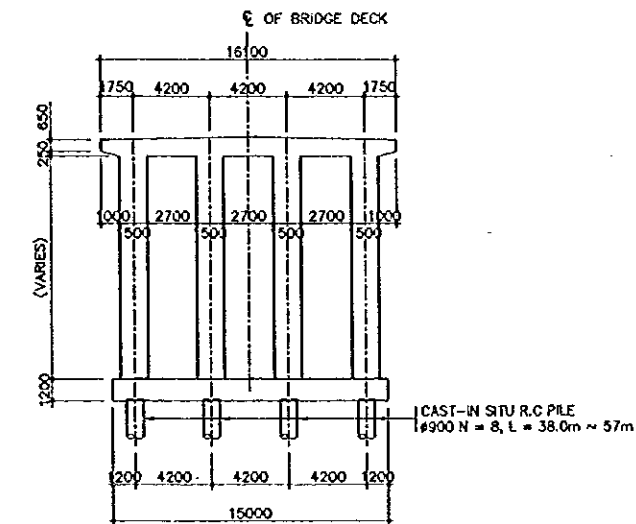


3 TRANSVERSE SECTION
SCALE 1:200

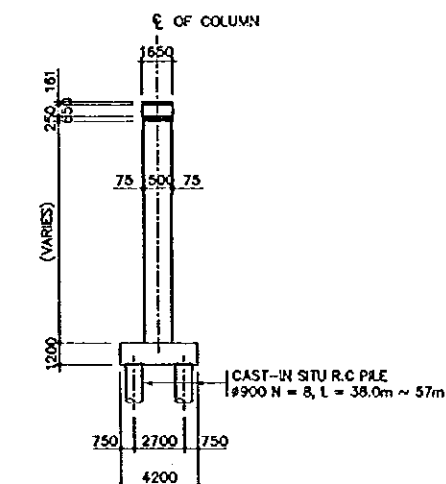


4 LONGITUDINAL SECTION
SCALE 1:200

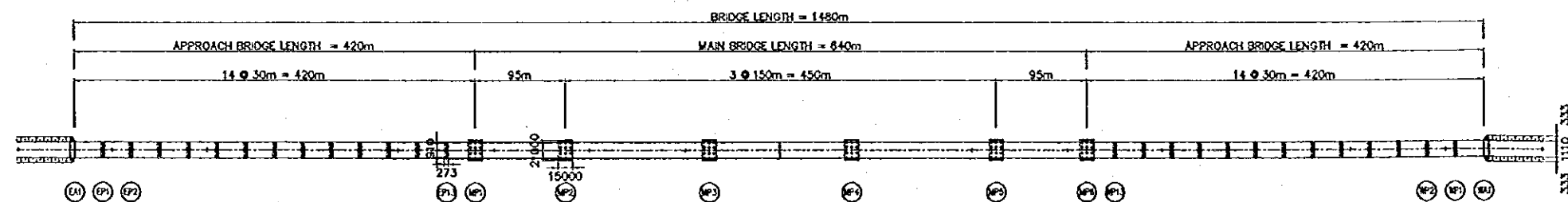
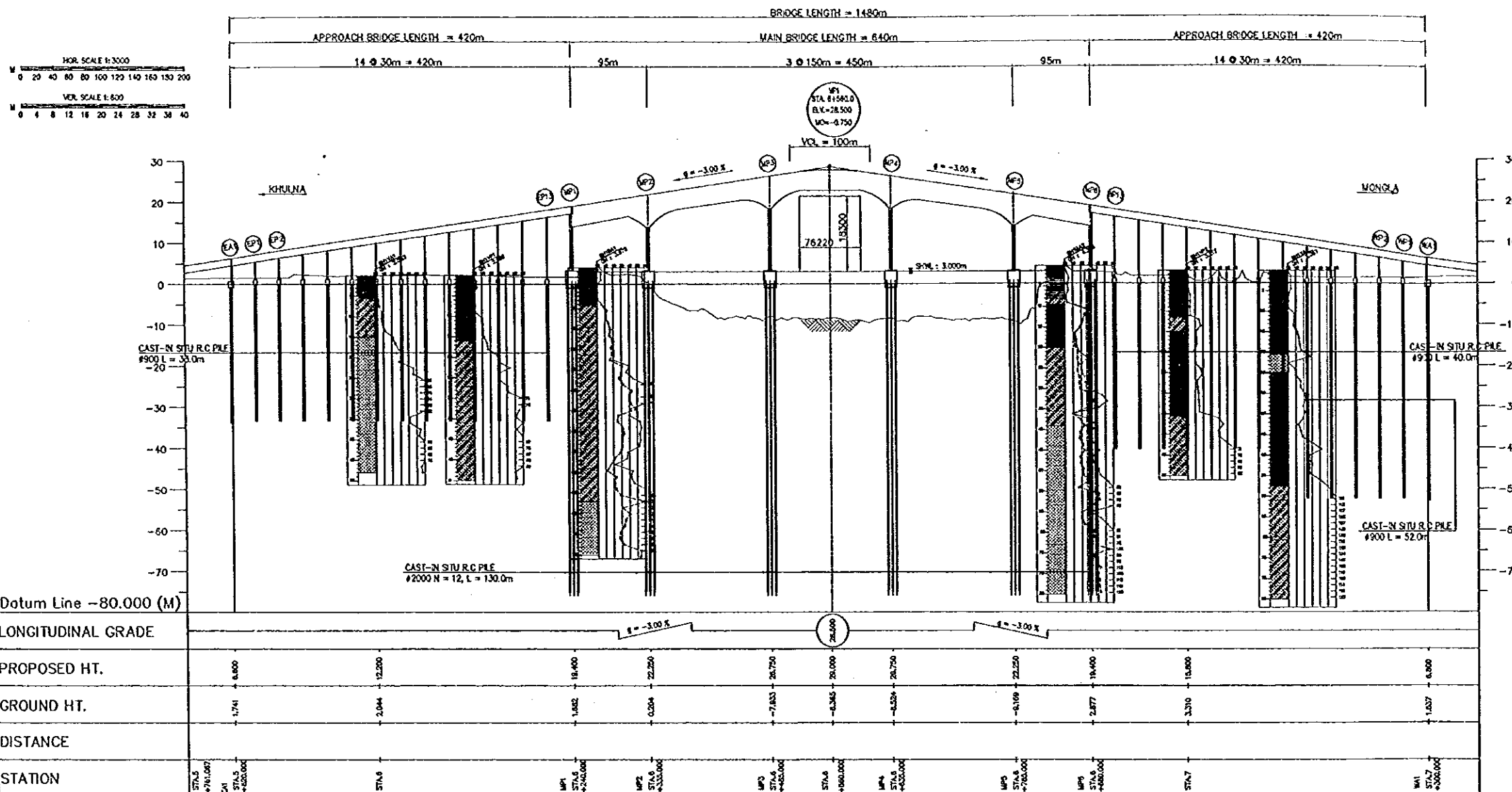
APPROACH BRIDGE SUBSTRUCTURE
(TYPICAL PIER EP1 ~ EP11, WP1 ~ WP11)



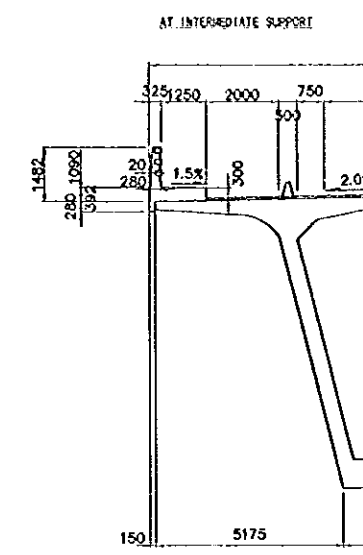
5 TRANSVERSE SECTION
SCALE 1:200



6 LONGITUDINAL SECTION
SCALE 1:200

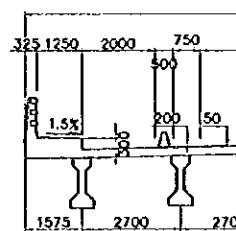


SUPERSTRUCT



1
B-02

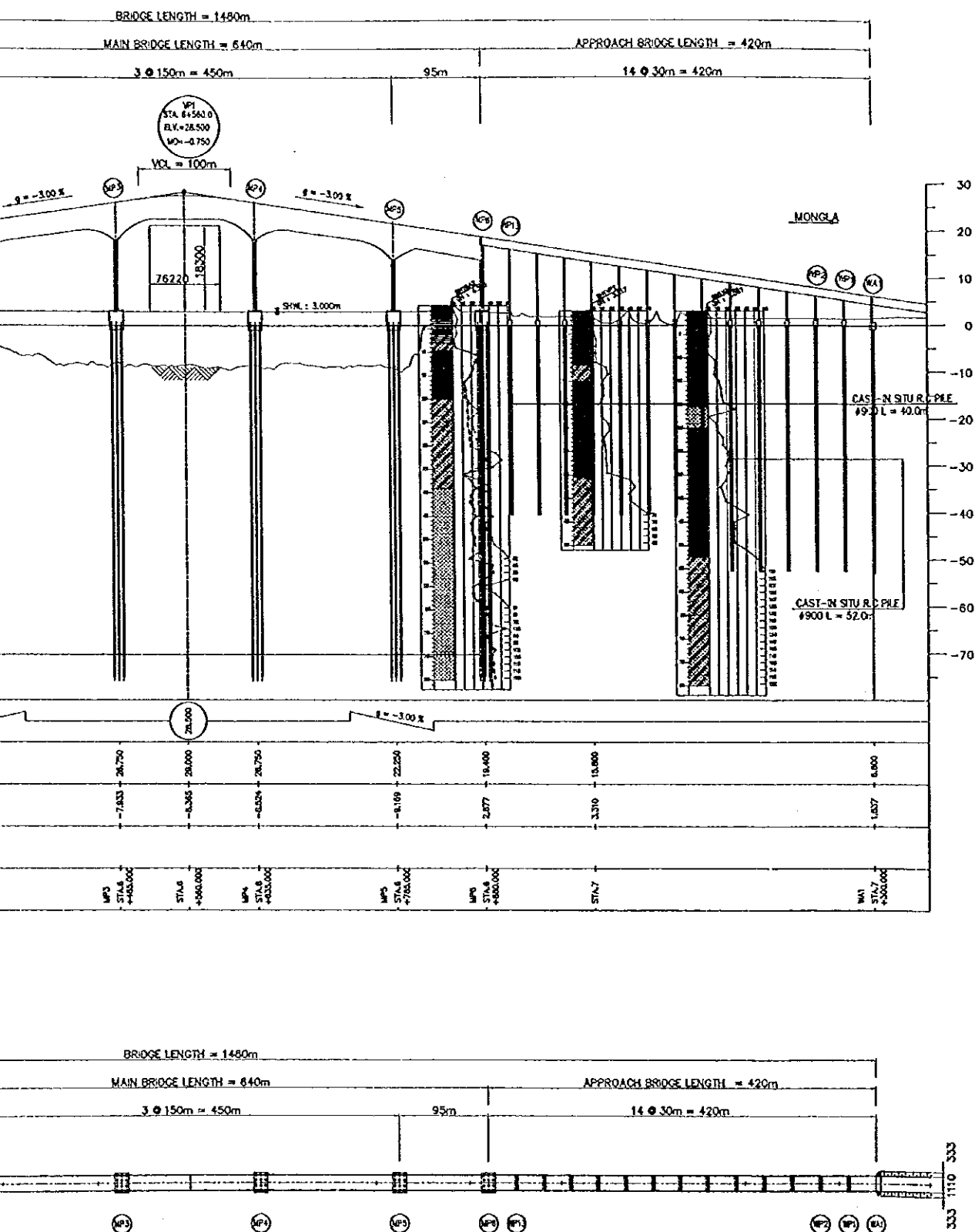
TYP



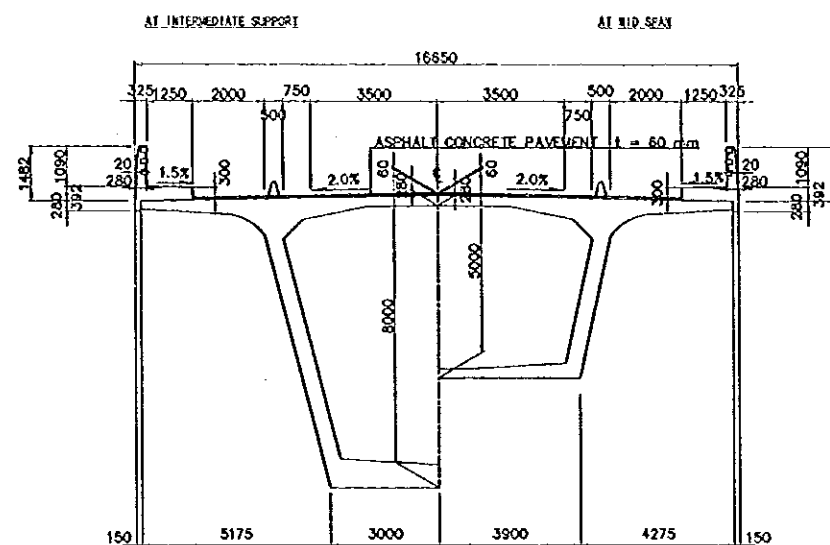
2
B-02

OPT-(2) 5-SPAN PC BOX GIRDER

MAIN BRIDGE SUBSTRUCTURE
(TYPICAL PIER MP2 ~ MP5)

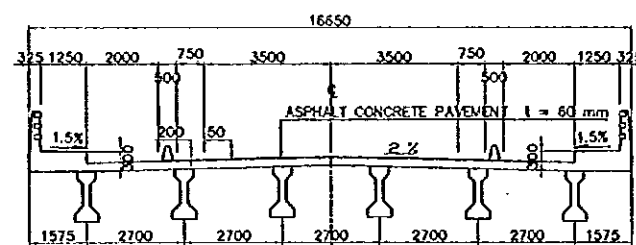


SUPERSTRUCTURE CROSS SECTION

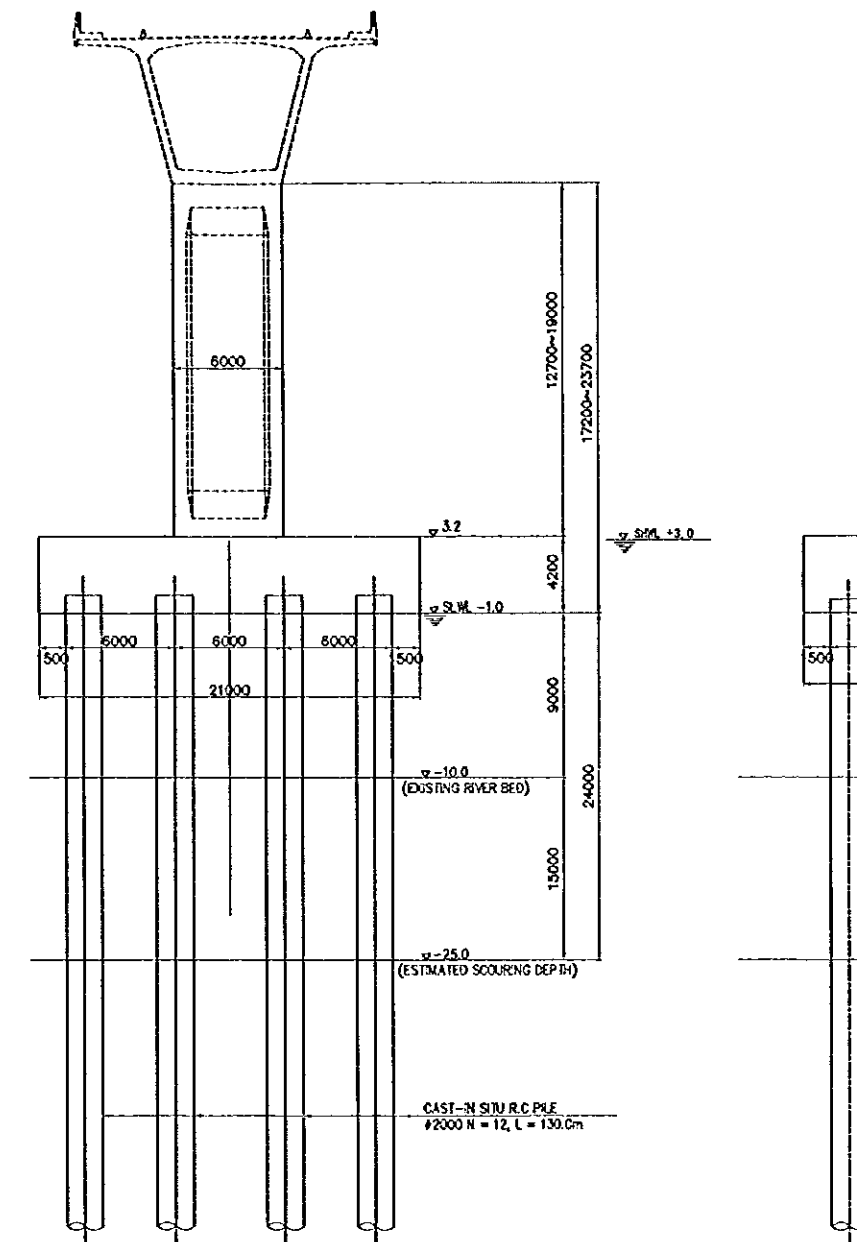


1 MAIN BRIDGE
 B-02 SCALE 1:100

TYPICAL SECTION



2 APPROACH BRIDGE
 B-02 SCALE 1:100

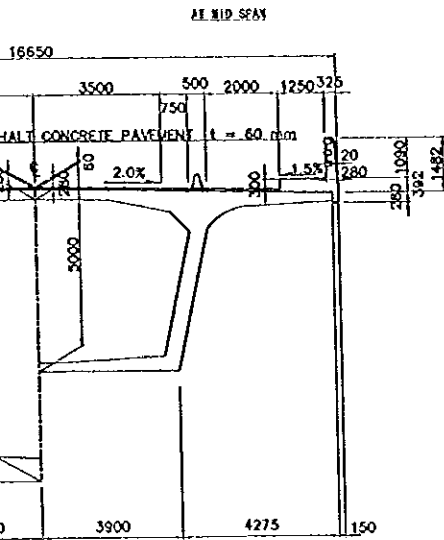


3 TRANSVERSE SECTION
 B-02 SCALE 1:200

4 LO...
 B-02 SCALE

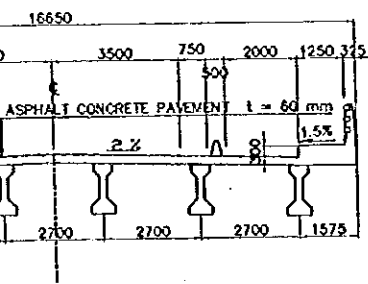
C BOX GIRDER

E CROSS SECTION



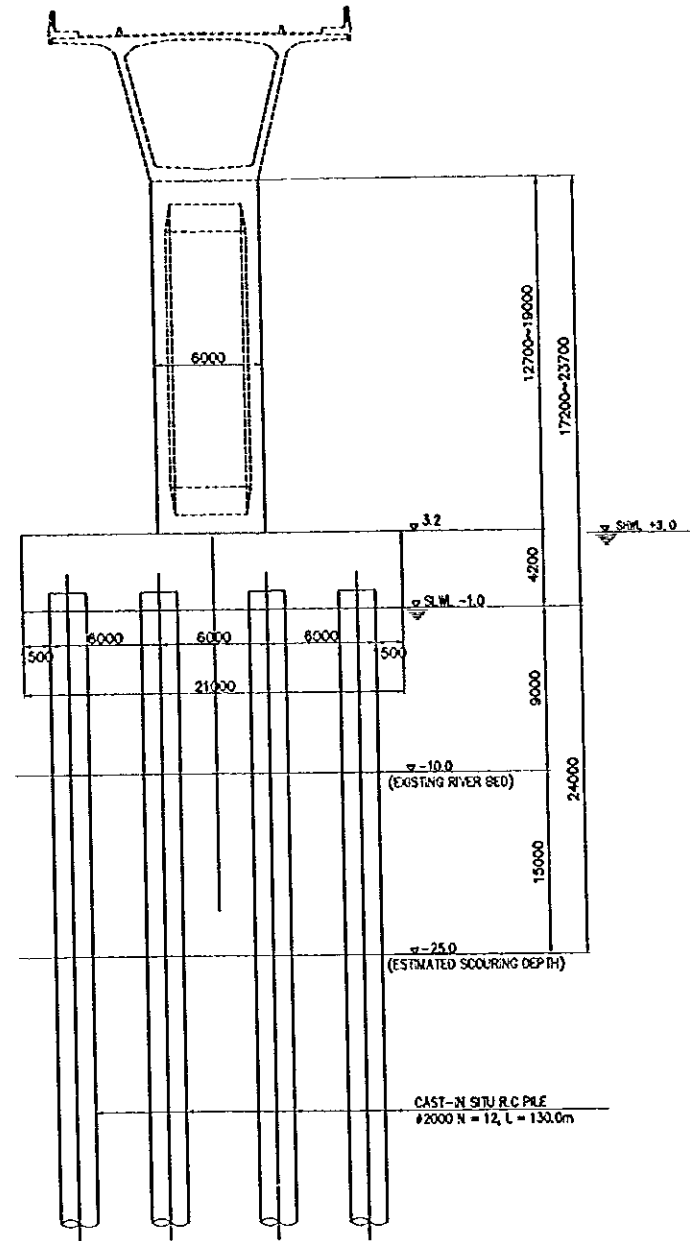
MAIN BRIDGE
SCALE 1:100

AL SECTION

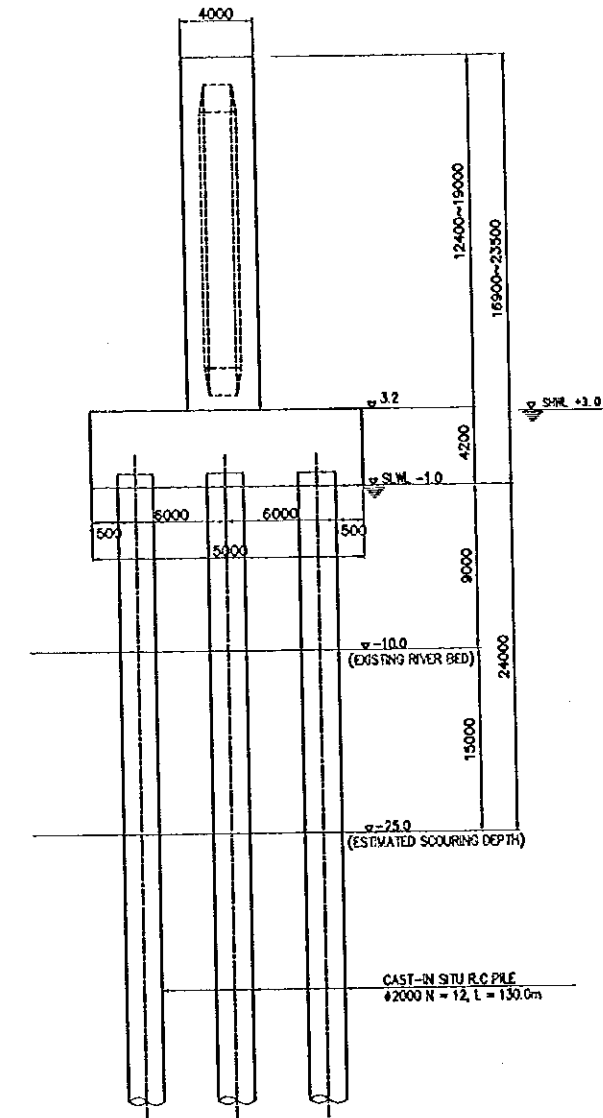


PROACH BRIDGE
SCALE 1:100

MAIN BRIDGE SUBSTRUCTURE
(TYPICAL PIER MP2 ~ MP7)



3 TRANSVERSE SECTION
SCALE 1:200



4 LONGITUDINAL SECTION
SCALE 1:200

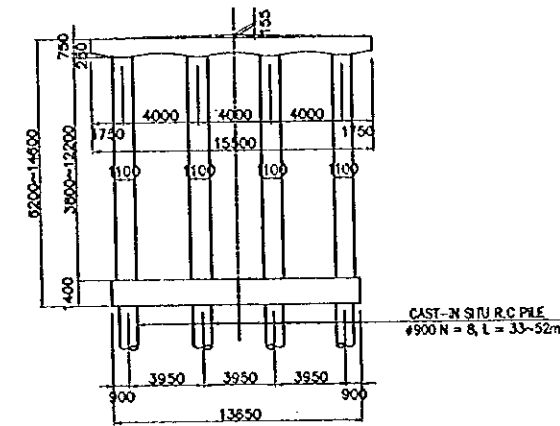
THE STUDY ON CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA (PHASE 2)

Rupsa Bridge Option (2)

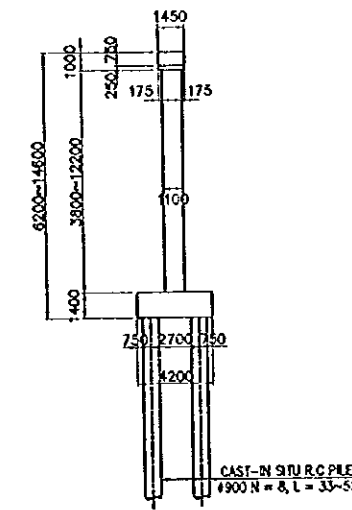
SHEET
NO.

B-02

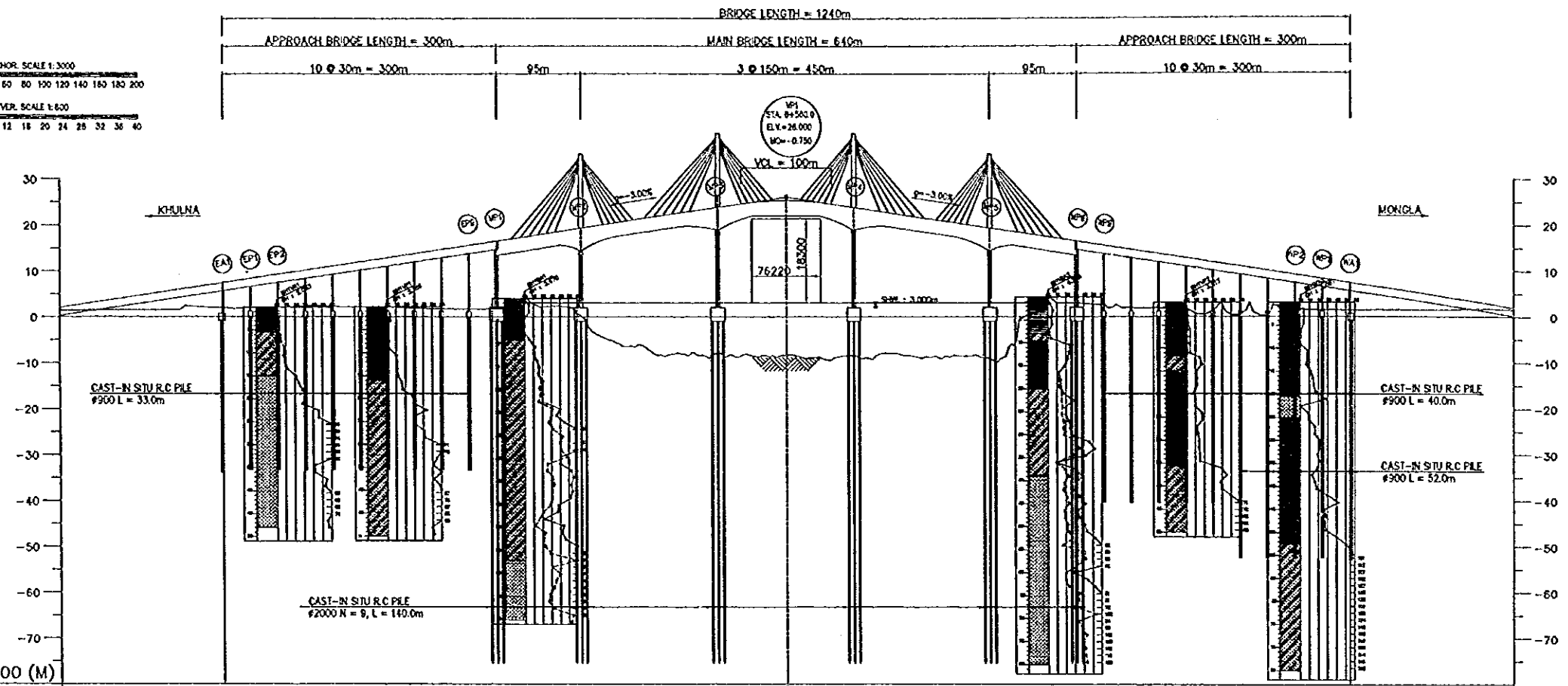
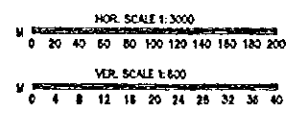
APPROACH BRIDGE SUBSTRUCTURE
(TYPICAL PIER EP1 ~ EP11, WP1 ~ WP11)



5 TRANSVERSE SECTION
SCALE 1:200

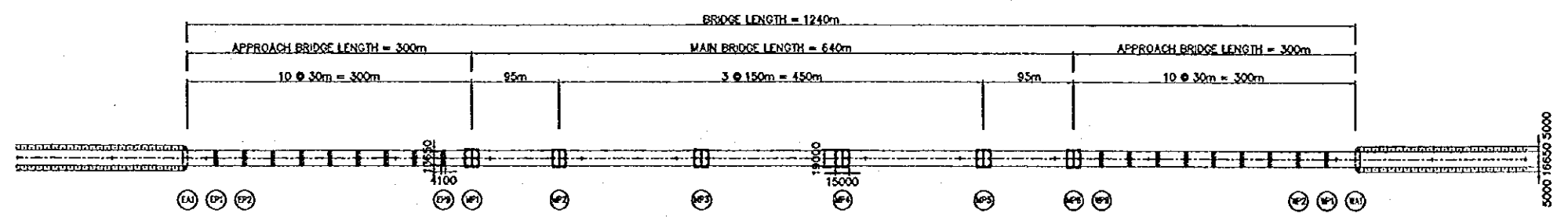


6 LONGITUDINAL SECTION
SCALE 1:200

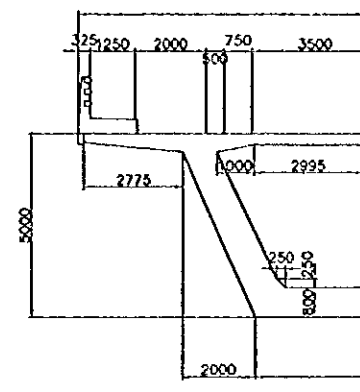


Dotum Line -80.000 (M)

| | | | | | | | | | | | | |
|--------------------|--------------------|---------------------------|--------|---------------------------|----------------------------|----------------------------|---------------------|----------------------------|----------------------------|----------------------------|--------|----------------------------|
| LONGITUDINAL GRADE | | | | | | | | | | | | |
| PROPOSED HT. | 7.400 | 8.200 | 16.000 | 18.200 | 23.700 | 26.000 | 23.700 | 18.200 | 16.000 | 8.200 | 7.400 | 7.400 |
| GROUND HT. | 1.840 | 2.044 | 1.882 | 0.204 | -7.833 | -8.385 | -8.529 | -8.189 | -2.877 | 3.310 | 1.442 | 7.400 |
| DISTANCE | | | | | | | | | | | | |
| STATION | STA.5 +4781.000 | DA1 STA.6 +4841.000 | STA.8 | MP1 STA.9 +4901.000 | MP2 STA.10 +4903.000 | MP3 STA.11 +4905.000 | STA.12 +4905.000 | MP4 STA.13 +4903.000 | MP5 STA.14 +4781.000 | MP6 STA.15 +4901.000 | STA.17 | WA1 STA.18 +4905.000 |

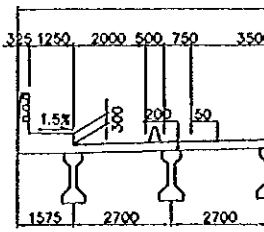


SUPERSTRUCTURE INTERMED



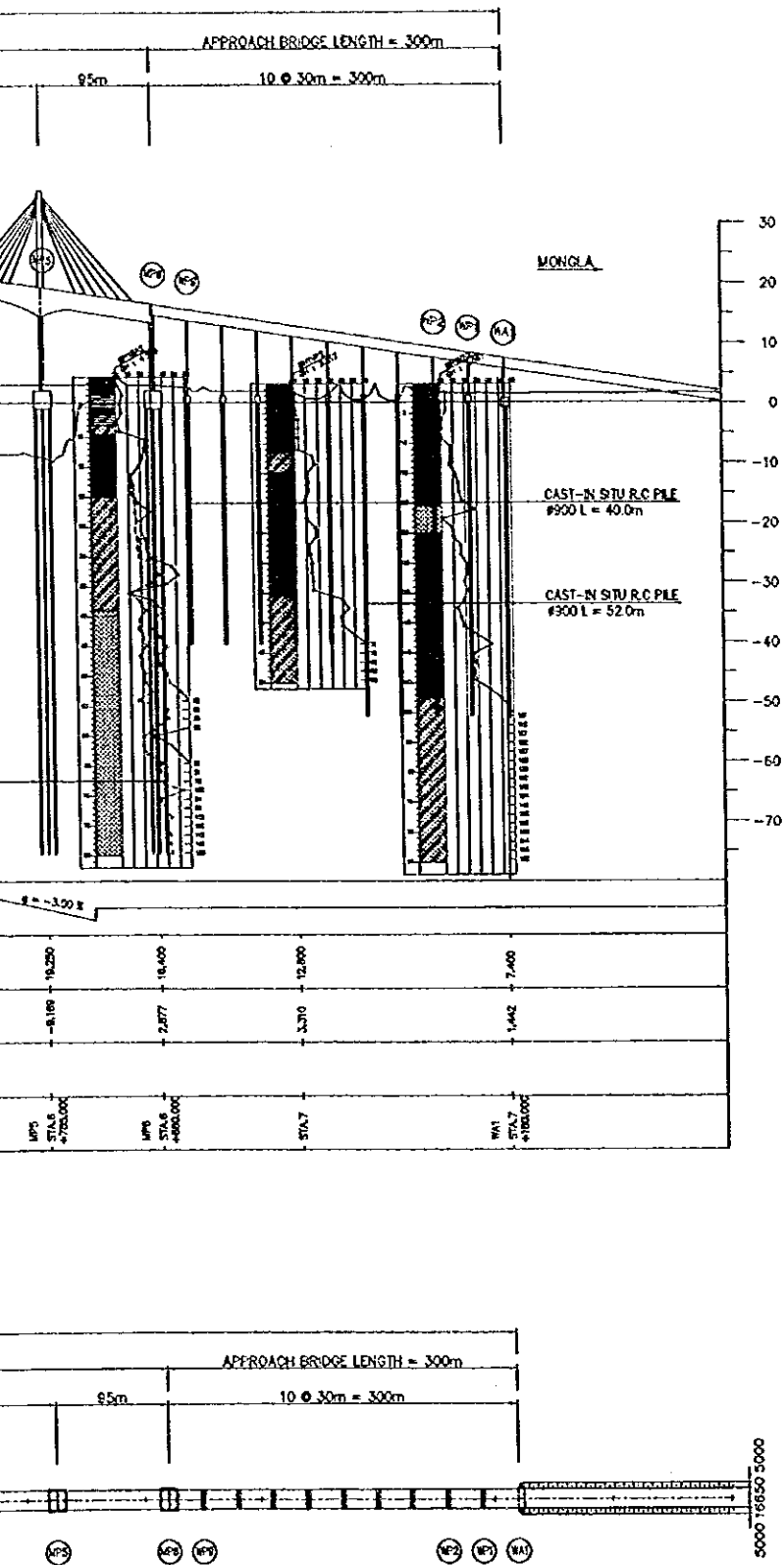
1
B-03

TYPIC

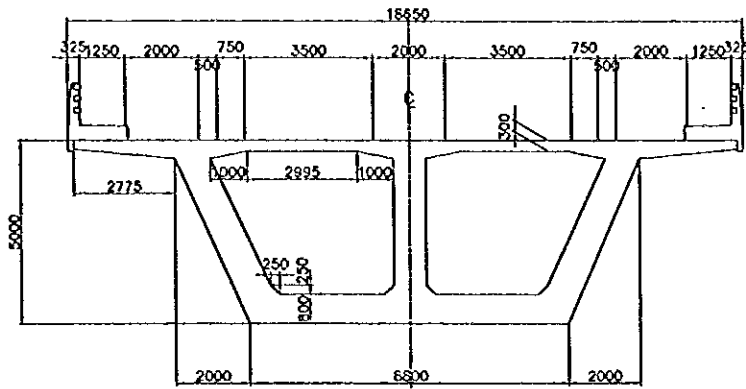


2
B-03
APP
SCALE

OPT-(3) 5-SPAN EXTRADOSED PC BOX GIRDER

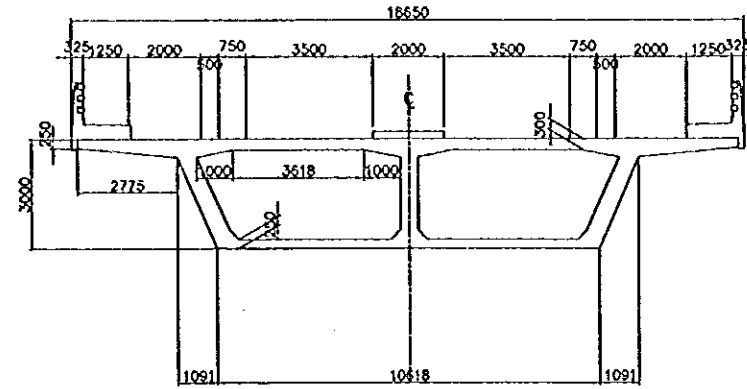


SUPERSTRUCTURE CROSS SECTION
INTERMEDIATE SUPPORT



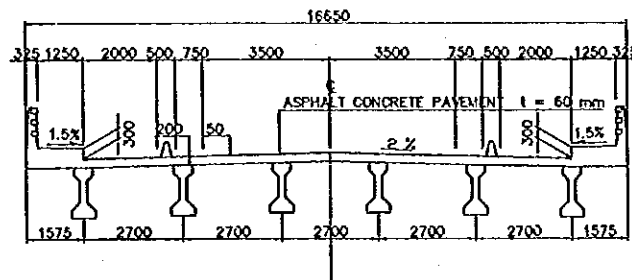
1 MAIN BRIDGE
B-03 SCALE 1:100

SUPERSTRUCTURE CROSS SECTION
END SPAN



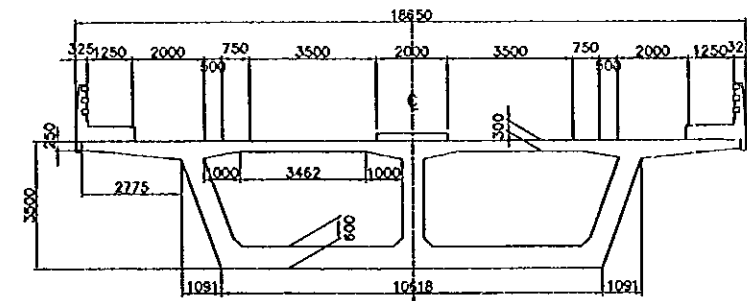
3 MAIN BRIDGE
B-03 SCALE 1:100

TYPICAL SECTION

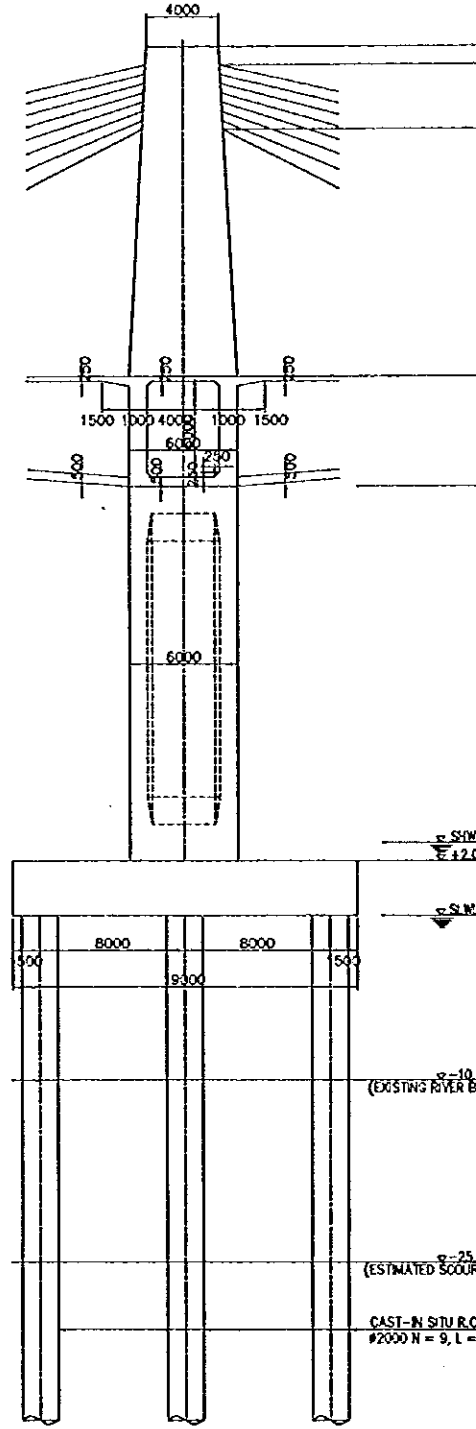


2 APPROACH BRIDGE
B-03 SCALE 1:100

SUPERSTRUCTURE CROSS SECTION
MID SPAN



4 MAIN BRIDGE
B-03 SCALE 1:100



5 LONGITUDINAL SECTION
B-03 SCALE 1:200

GIRDER

MAIN BRIDGE SUBSTRUCTURE
(TYPICAL PIER MP1~MP7)

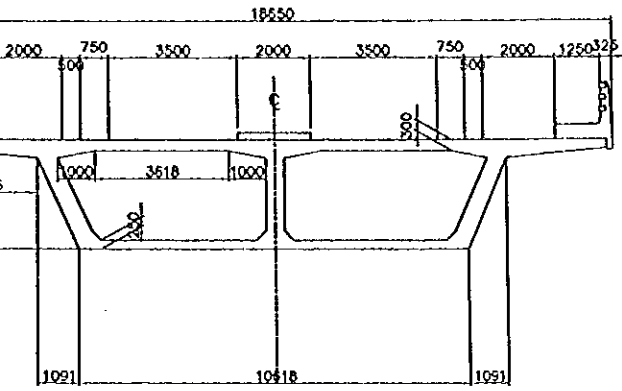
THE STUDY ON CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA (PHASE 2)

Rupsa Bridge Option (3)

SHEET
NO.

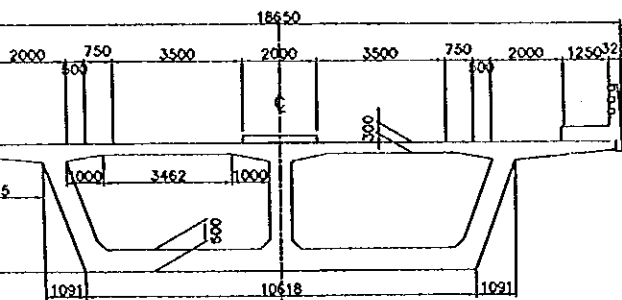
B-03

UPPERSTRUCTURE CROSS SECTION
END SPAN

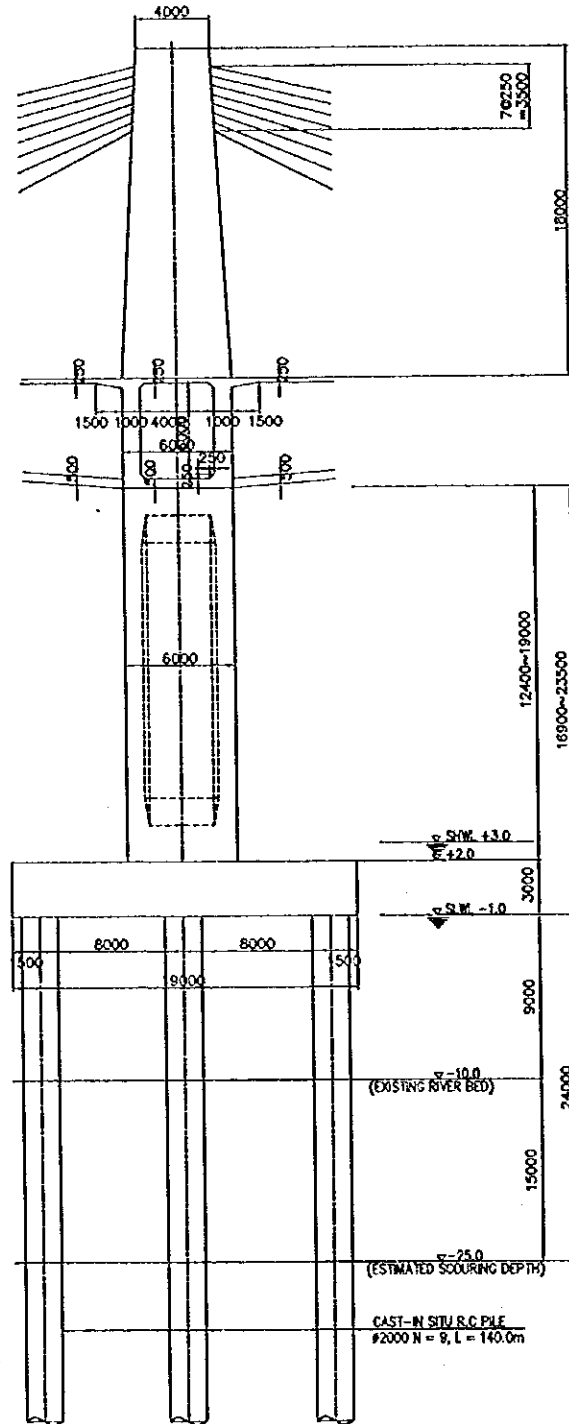


3 MAIN BRIDGE
B-03 SCALE 1:100

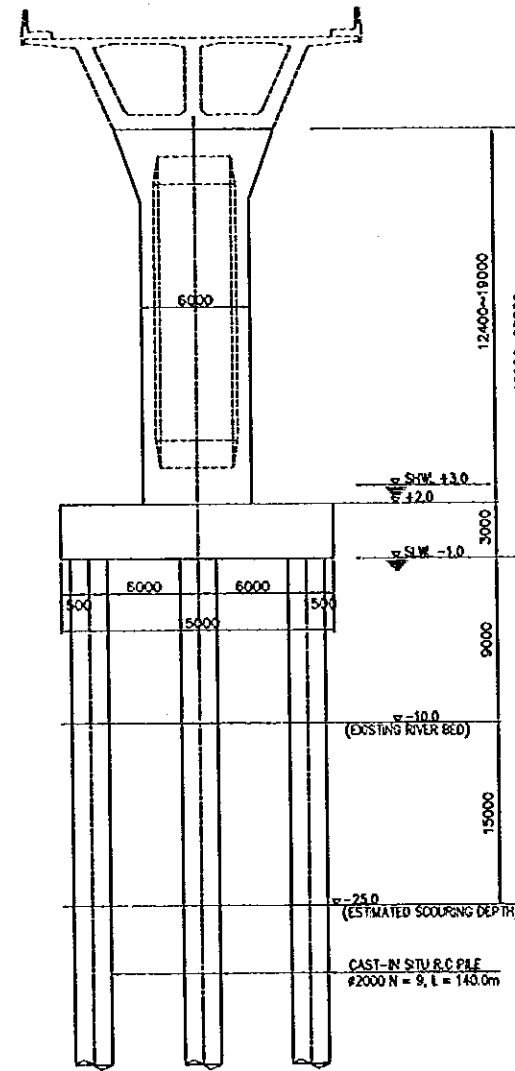
UPPERSTRUCTURE CROSS SECTION
MID SPAN



4 MAIN BRIDGE
B-03 SCALE 1:100

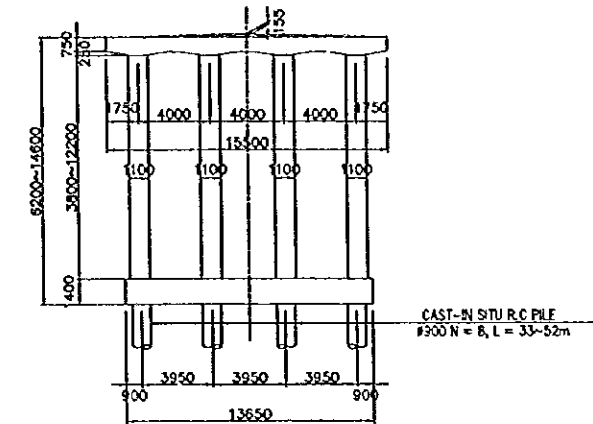


5 LONGITUDINAL SECTION
B-03 SCALE 1:200

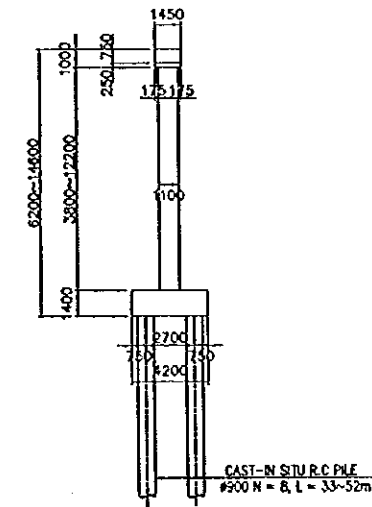


6 TRANSVERSE SECTION
B-03 SCALE 1:200

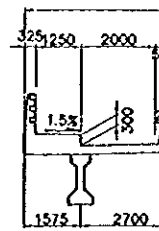
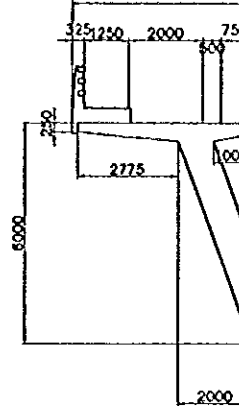
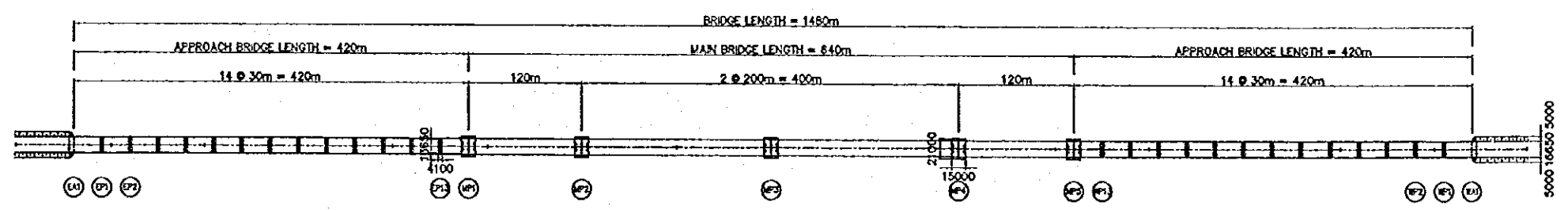
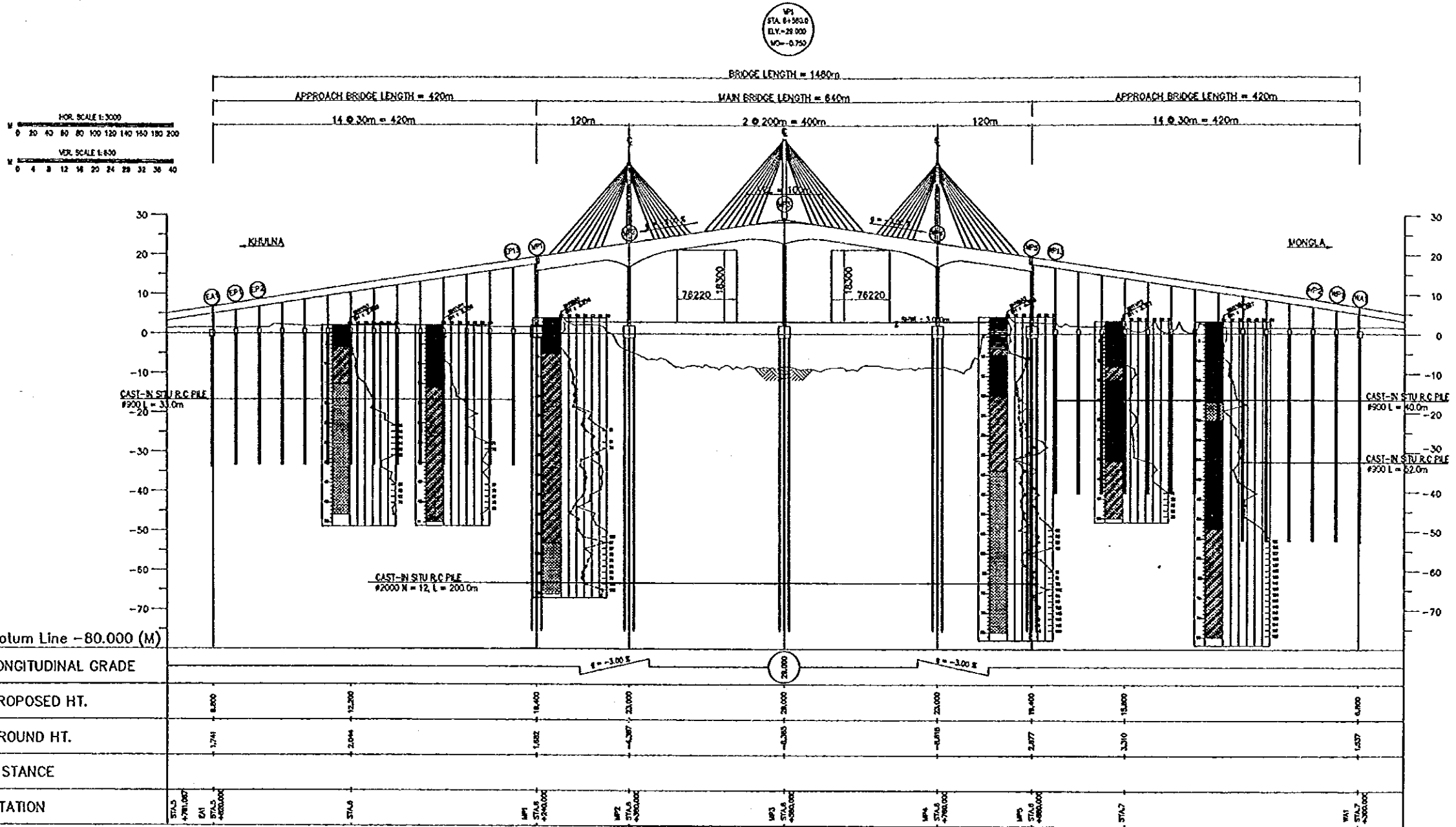
APPROACH BRIDGE SUBSTRUCTURE
(TYPICAL PIER EP1 ~ EP11, WP1 ~ WP11)



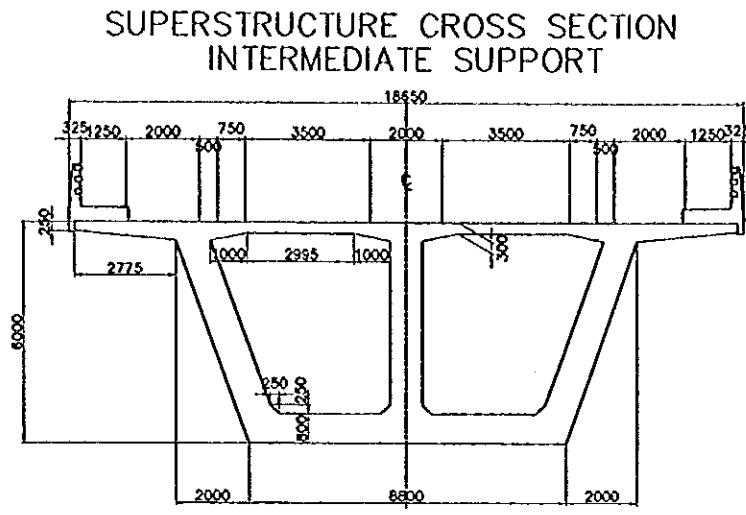
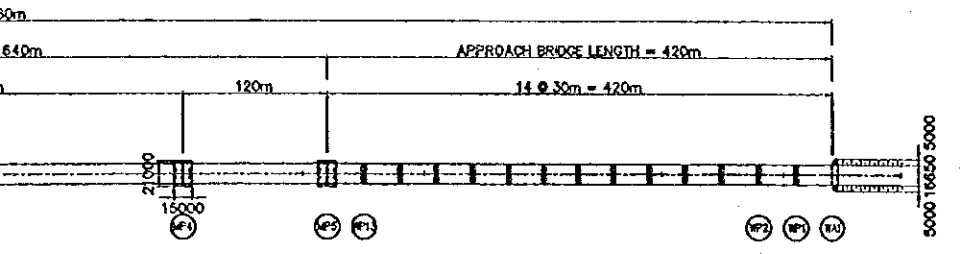
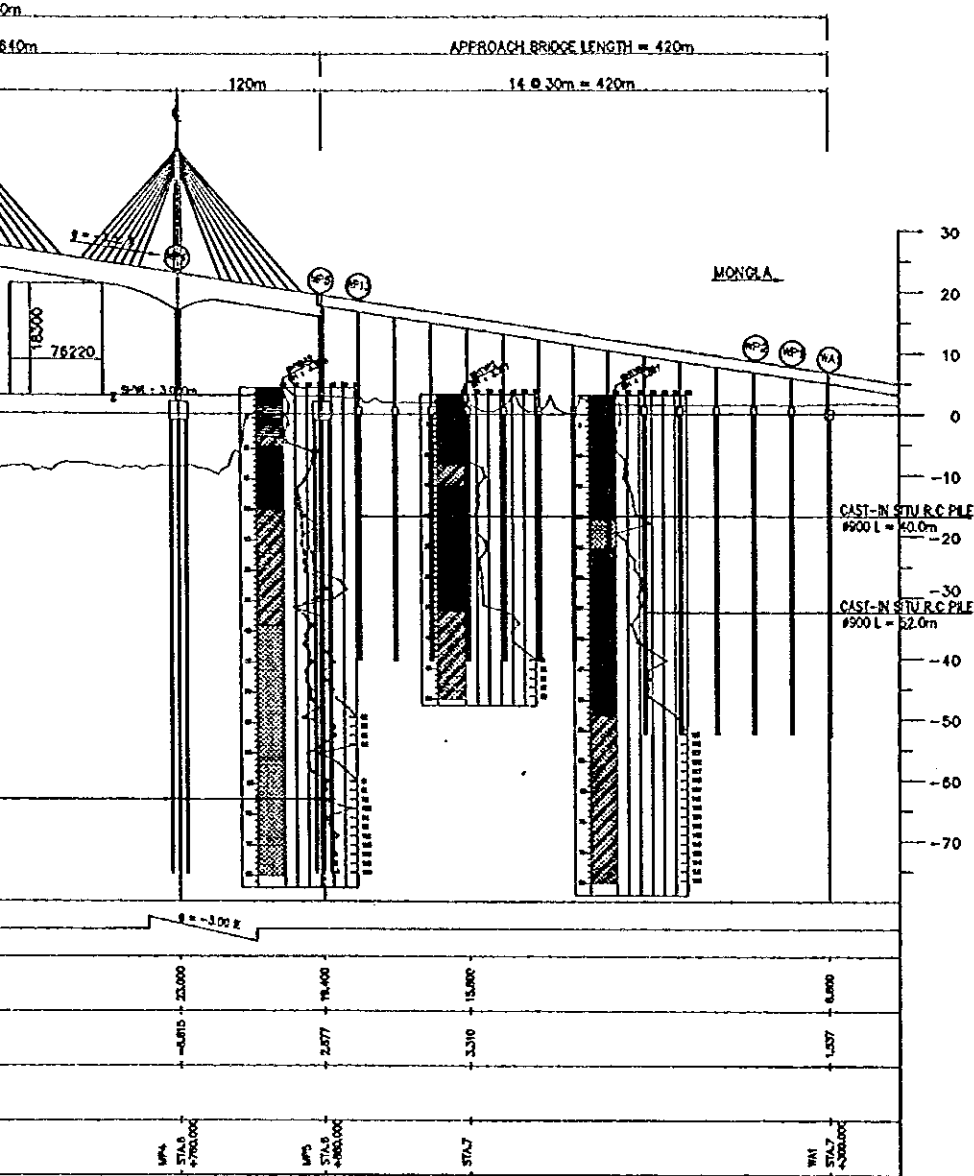
7 TRANSVERSE SECTION
B-03 SCALE 1:200



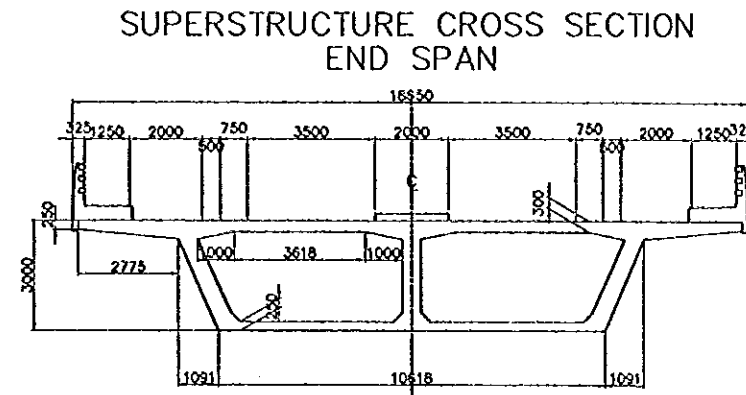
8 LONGITUDINAL SECTION
B-03 SCALE 1:200



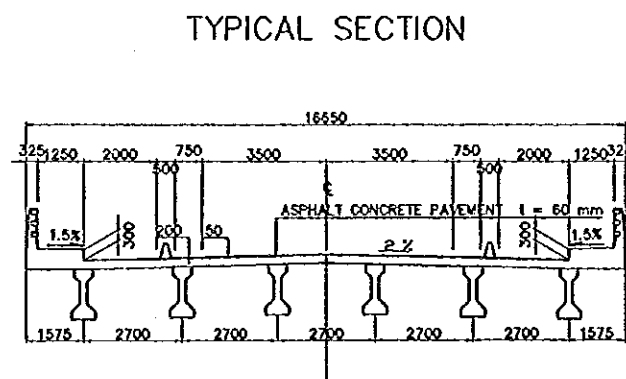
OPT--(4) 4-SPAN EXTRADOSED PC BOX GIRDER



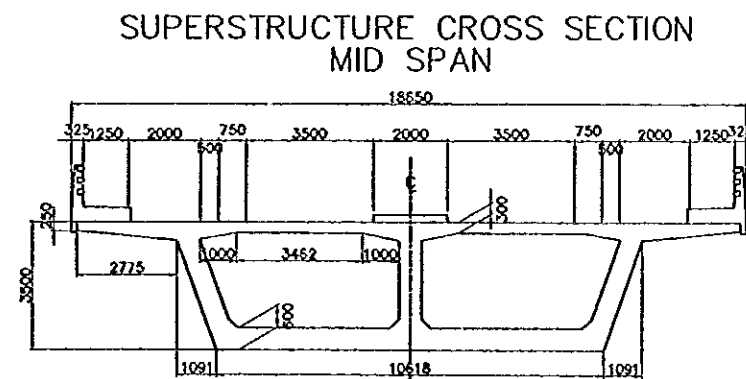
1 MAIN BRIDGE
B-04 SCALE 1:100



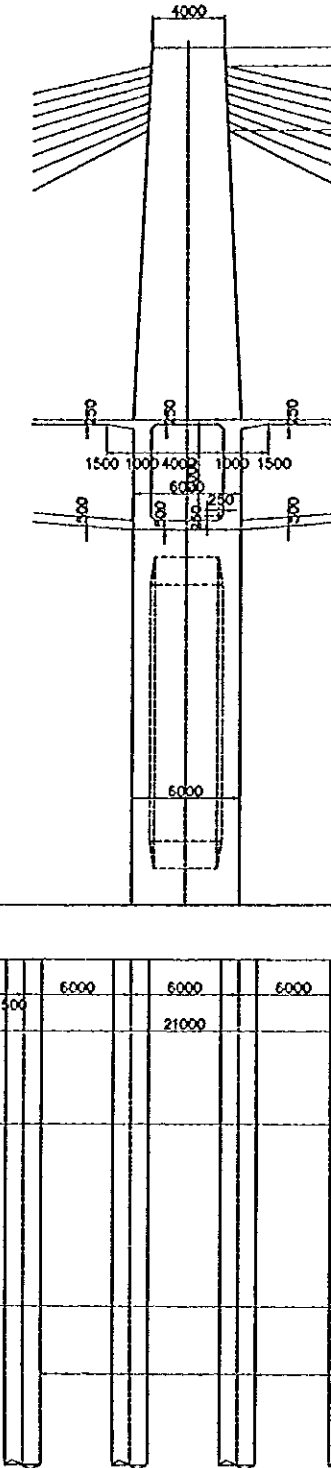
3 MAIN BRIDGE
B-04 SCALE 1:100



2 APPROACH BRIDGE
B-04 SCALE 1:100



4 MAIN BRIDGE
B-04 SCALE 1:100



5 LONGITUDINAL SECTION
B-04 SCALE

BOX GIRDER

MAIN BRIDGE SUBSTRUCTURE
(TYPICAL PIER MP2~MP7)

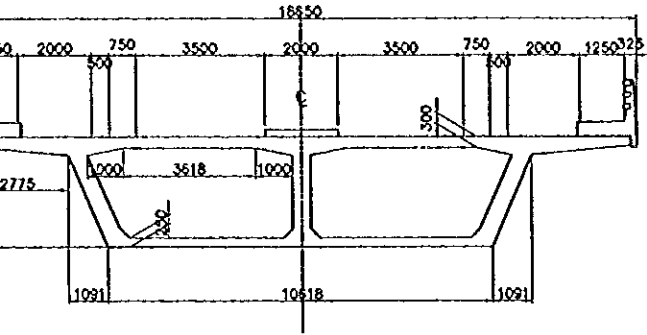
THE STUDY ON CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA (PHASE 2)

Rupsa Bridge Option (4)

SHEET
NO.

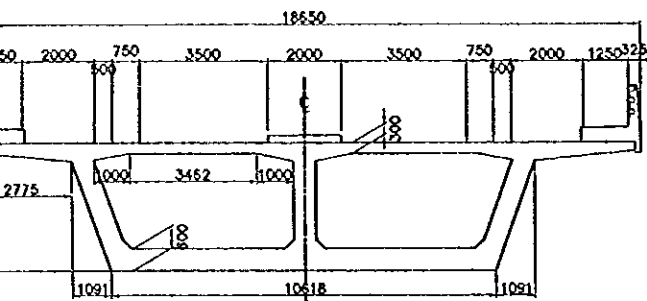
B-04

SUPERSTRUCTURE CROSS SECTION
END SPAN

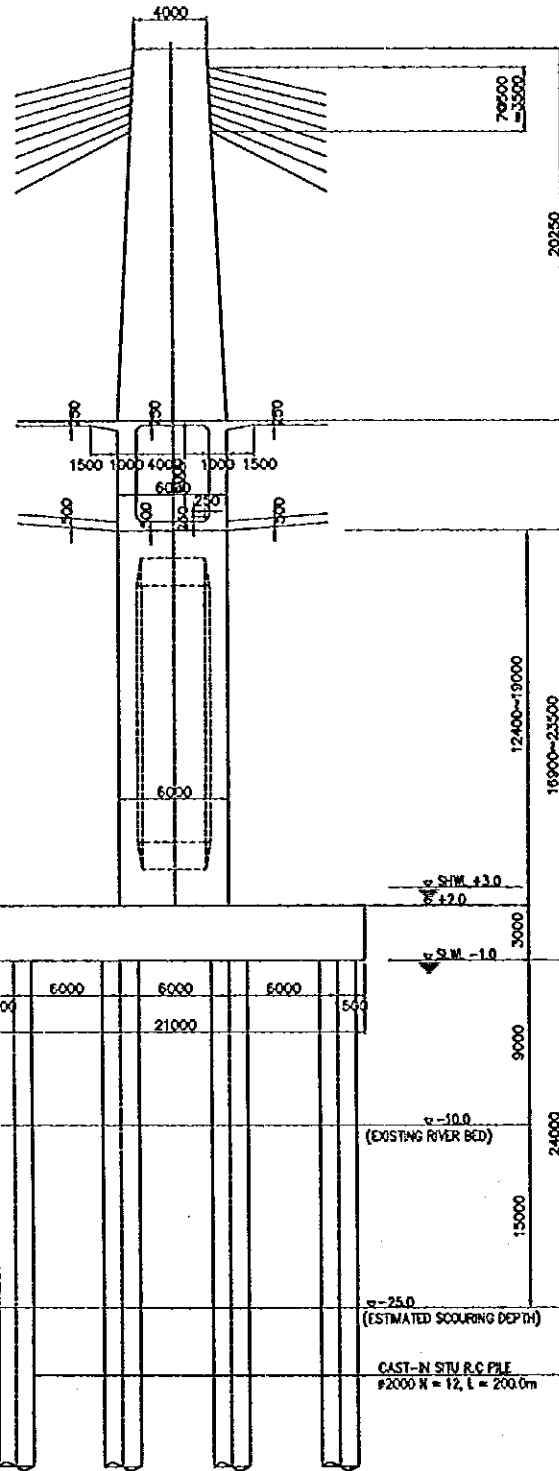


3 MAIN BRIDGE
B-04 SCALE 1:100

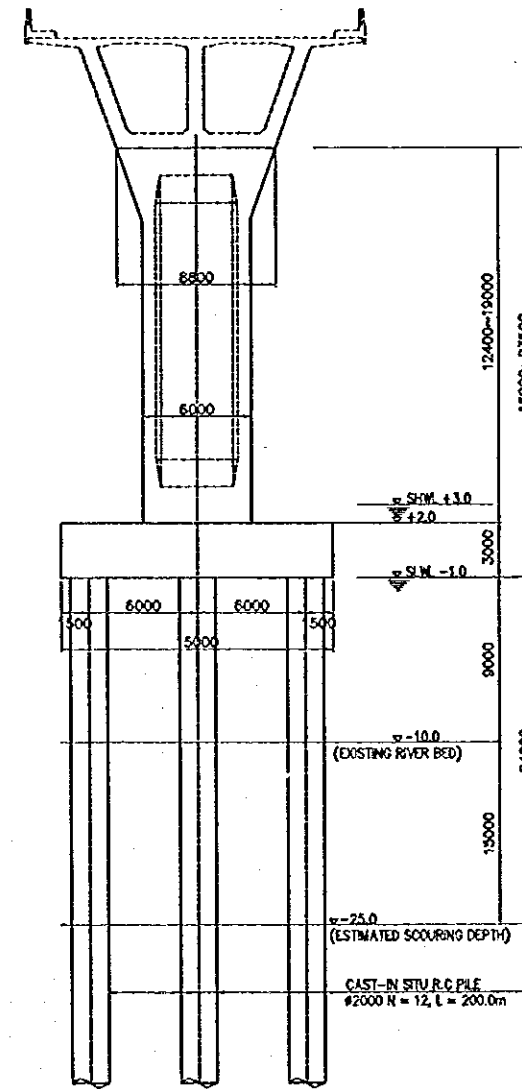
SUPERSTRUCTURE CROSS SECTION
MID SPAN



4 MAIN BRIDGE
B-04 SCALE 1:100

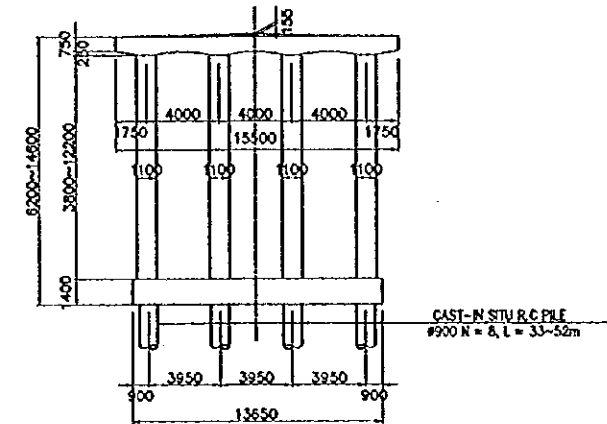


5 LONGITUDINAL SECTION
B-04 SCALE 1:200

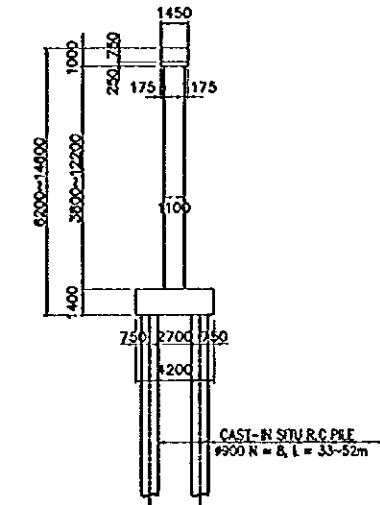


6 TRANSVERSE SECTION
B-04 SCALE 1:200

APPROACH BRIDGE SUBSTRUCTURE
(TYPICAL PIER EP1 ~ EP11, WP1 ~ WP11)



7 TRANSVERSE SECTION
B-04 SCALE 1:200



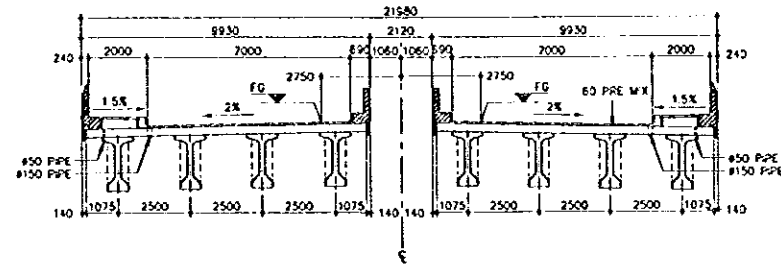
8 LONGITUDINAL SECTION
B-04 SCALE 1:200

THE STUDY ON CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA (PHASE 2)

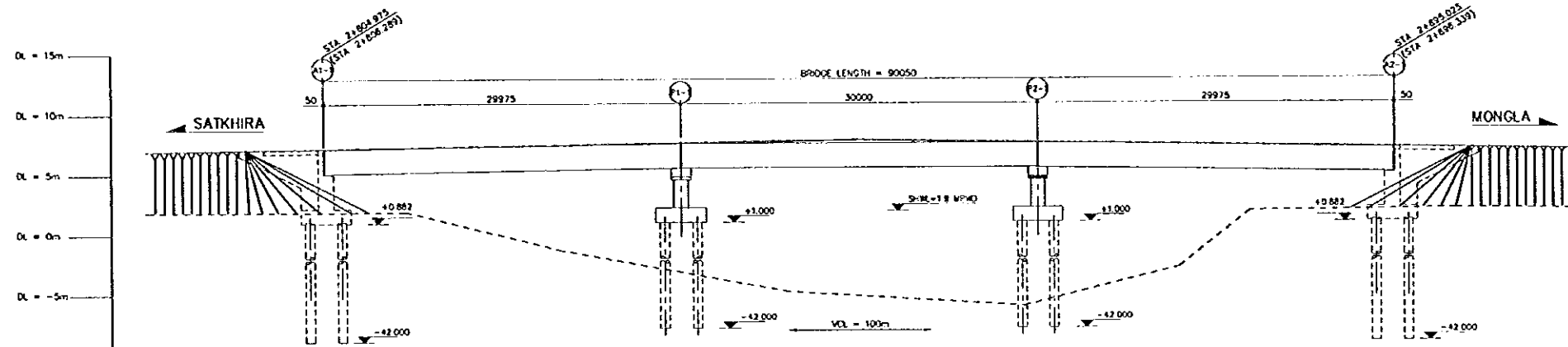
HATIA BRIDGE

SHEET
NO.

B-05

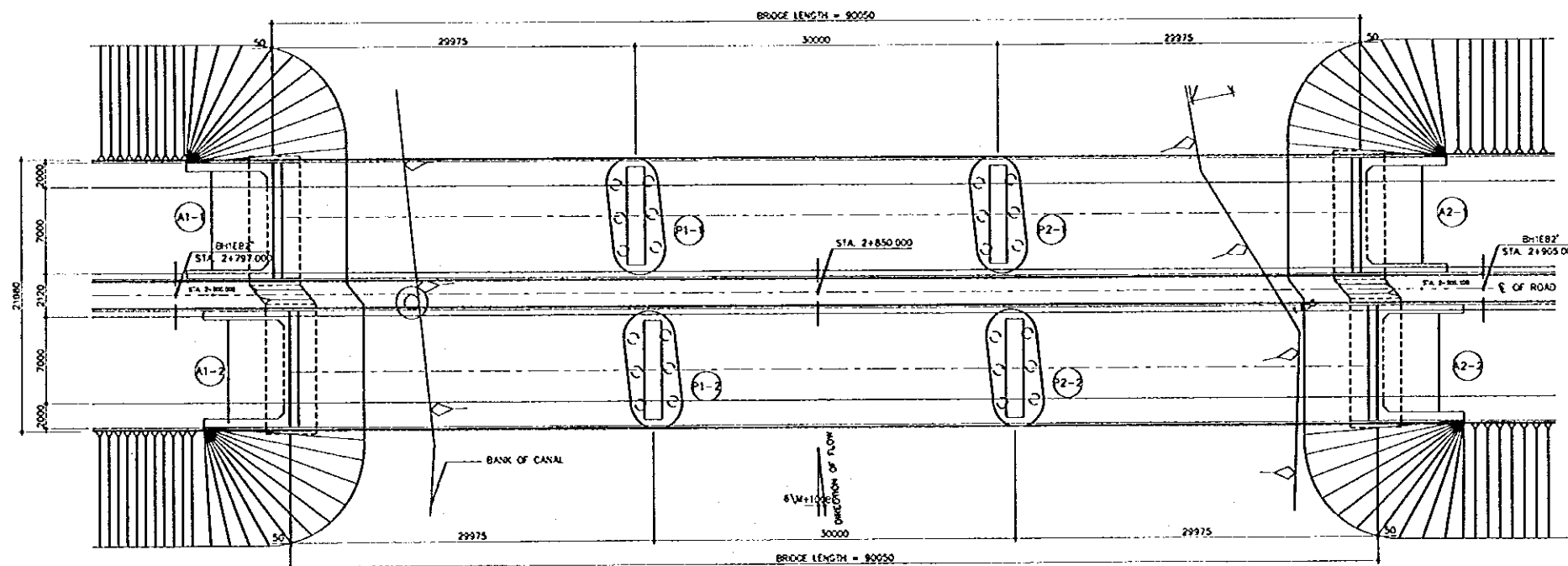


3 SUPER STRUCTURE SECTION
B-05 SCALE 1:125

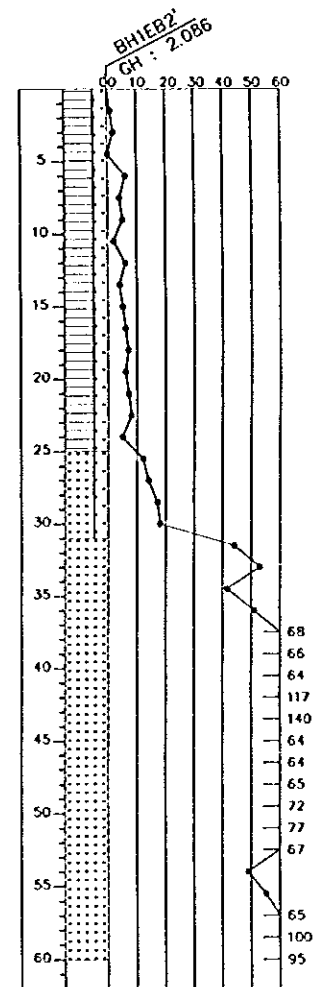
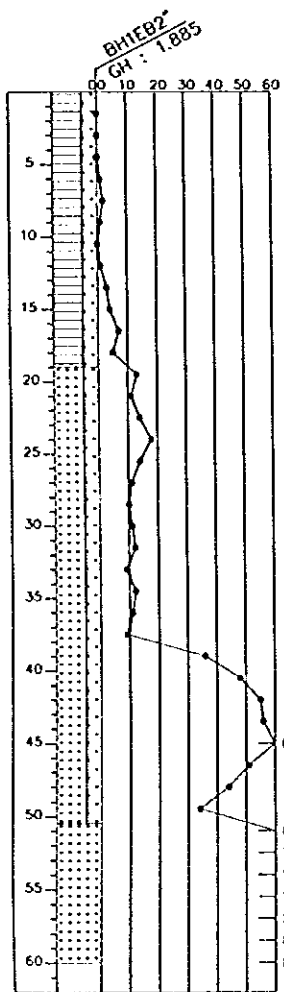


| LONGITUDINAL GRADE | PROPOSED HT. | GROUND HT. | DISTANCE | STATION |
|--------------------|---------------|---------------|----------|---------|
| | 1.481, 7.242 | 1.481, 7.242 | | A1-1 |
| | 7.277 | 7.277 | | A1-2 |
| | 1.485, 7.419 | 1.485, 7.419 | | A1-3 |
| | -1.275, 7.661 | -1.275, 7.661 | | P1-1 |
| | -3.150, 7.792 | -3.150, 7.792 | | P1-2 |
| | -1.750, 7.772 | -1.750, 7.772 | | P1-3 |
| | 7.850 | 7.850 | | P1-4 |
| | -5.975, 7.791 | -5.975, 7.791 | | P2-1 |
| | -5.897, 7.792 | -5.897, 7.792 | | P2-2 |
| | -5.866, 3.147 | -5.866, 3.147 | | P2-3 |
| | -2.775, 7.633 | -2.775, 7.633 | | P2-4 |
| | 1.433, 7.527 | 1.433, 7.527 | | A2-1 |
| | 2.014, 7.242 | 2.014, 7.242 | | A2-2 |
| | 7.200 | 7.200 | | A2-3 |

1 ELEVATION
B-05 SCALE 1:250



2 PLAN
B-05 SCALE 1:250

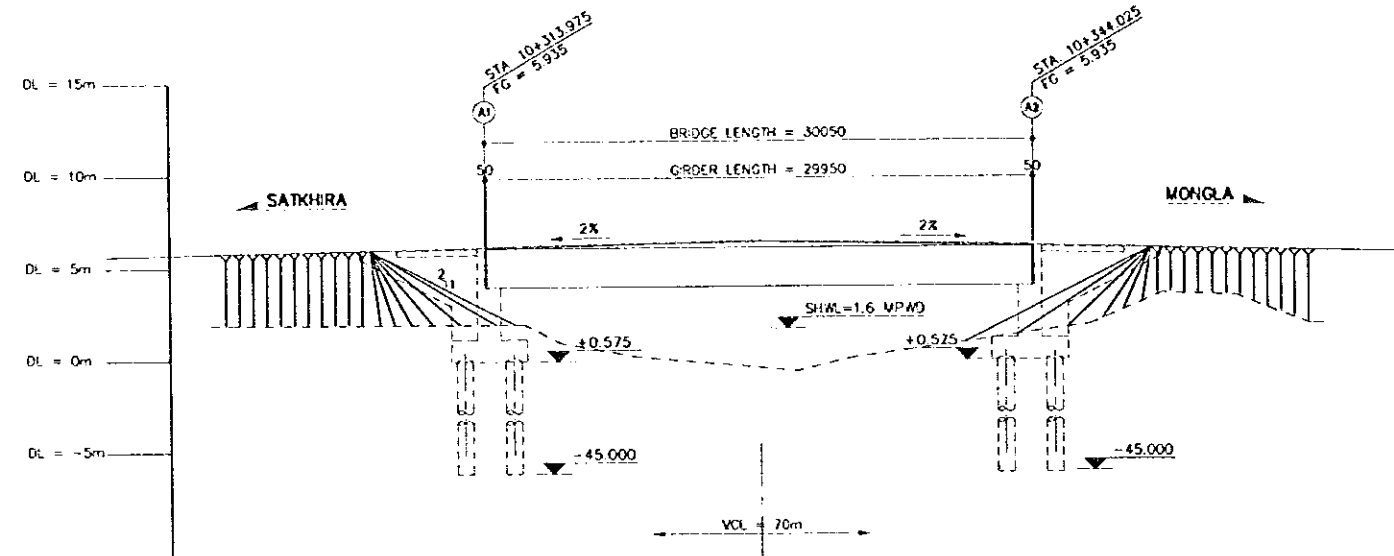


THE STUDY ON CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA (PHASE 2)

MOLONGHATA BRIDGE

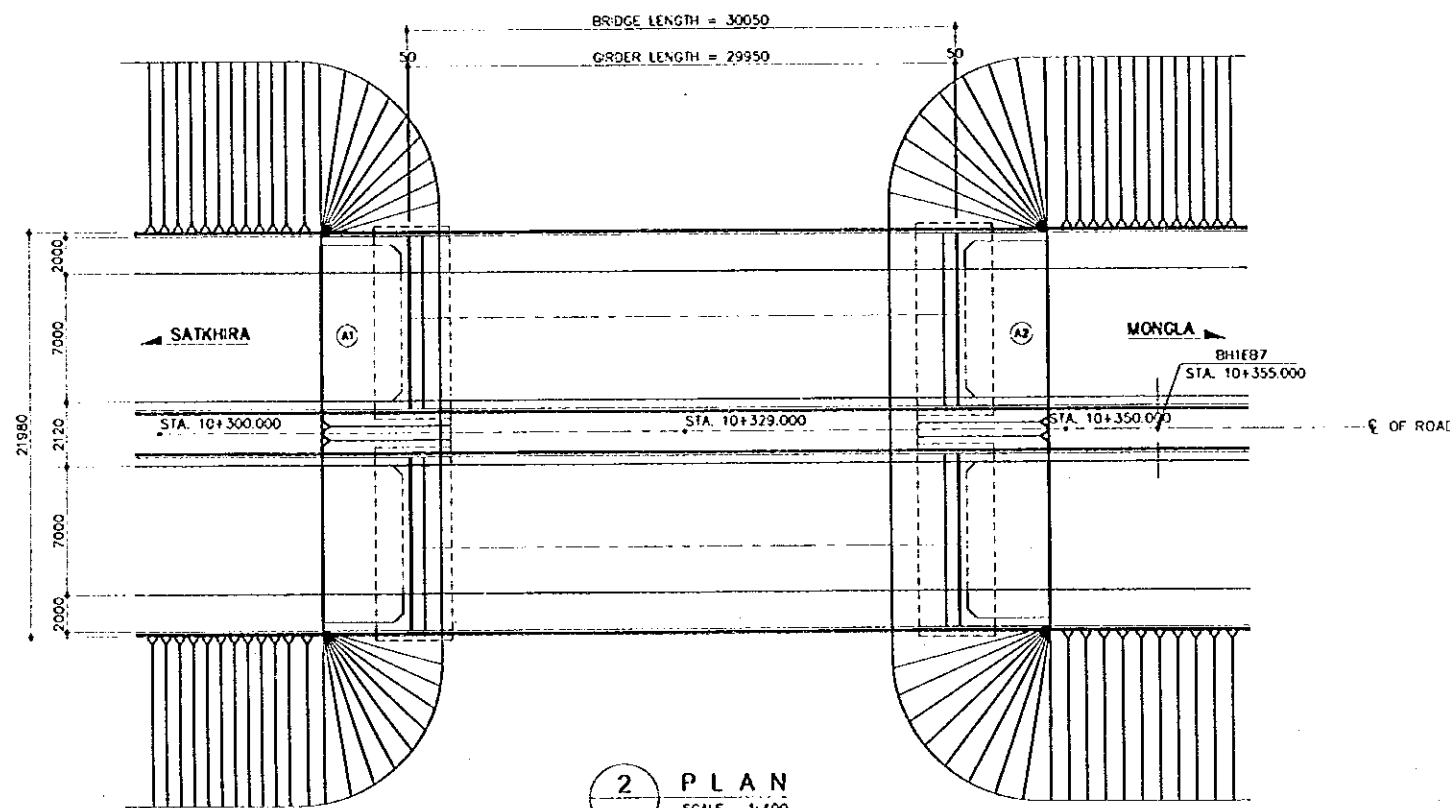
SHEET
NO.

B-06

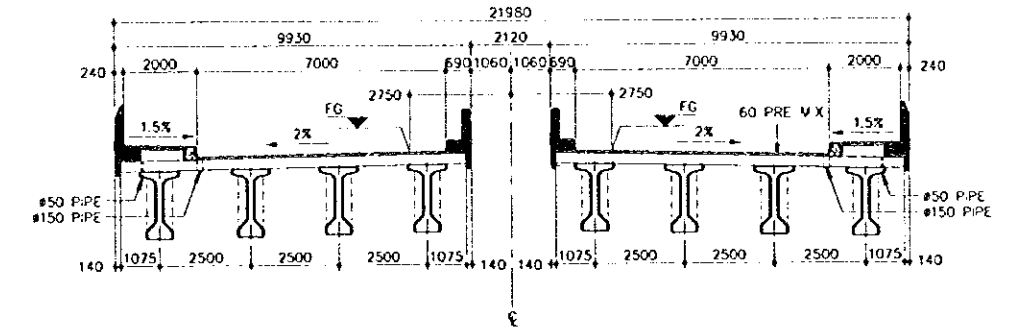


| LONGITUDINAL GRADE | +2.0% | | | | | | | | | | | |
|--------------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| PROPOSED HT. | 5.935 | 5.953 | 5.966 | 5.987 | 6.000 | 5.999 | 5.992 | 5.935 | 5.906 | 5.860 | 5.804 | 5.740 |
| GROUND HT. | 1.967 | 1.963 | 0.483 | -0.088 | -0.592 | -0.967 | -0.003 | 1.369 | 1.803 | 3.488 | 3.333 | 1.798 |
| DISTANCE | 0 | 159 | 159 | 159 | 0 | 159 | 159 | 0 | 159 | 159 | 159 | 159 |
| STATION | 10+313.975 | 10+316.159 | 10+318.159 | 10+322.159 | 10+329.000 | 10+331.159 | 10+334.159 | 10+344.025 | 10+347.159 | 10+351.159 | 10+355.159 | 10+359.159 |

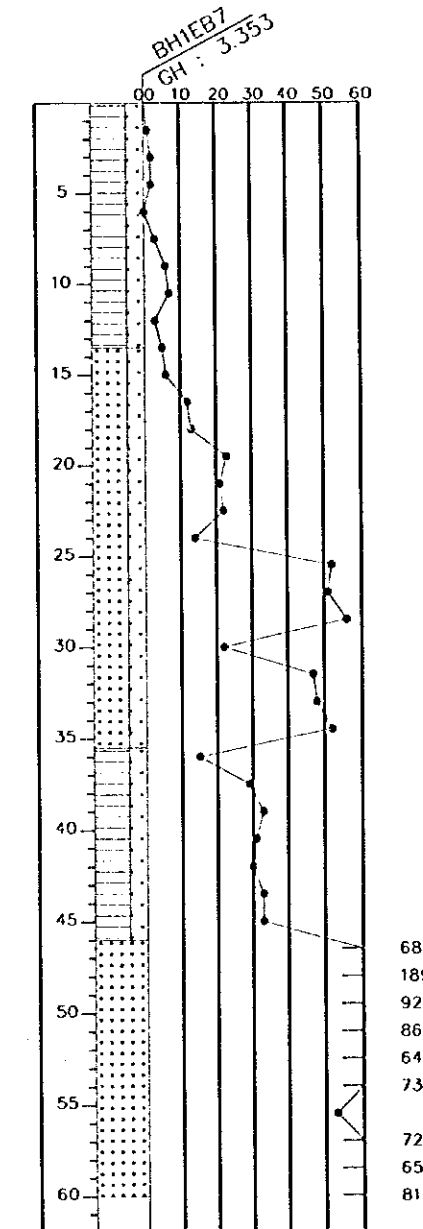
1 ELEVATION
SCALE 1:400



2 PLAN
SCALE 1:400



3 SUPER STRUCTURE SECTION
SCALE 1:200



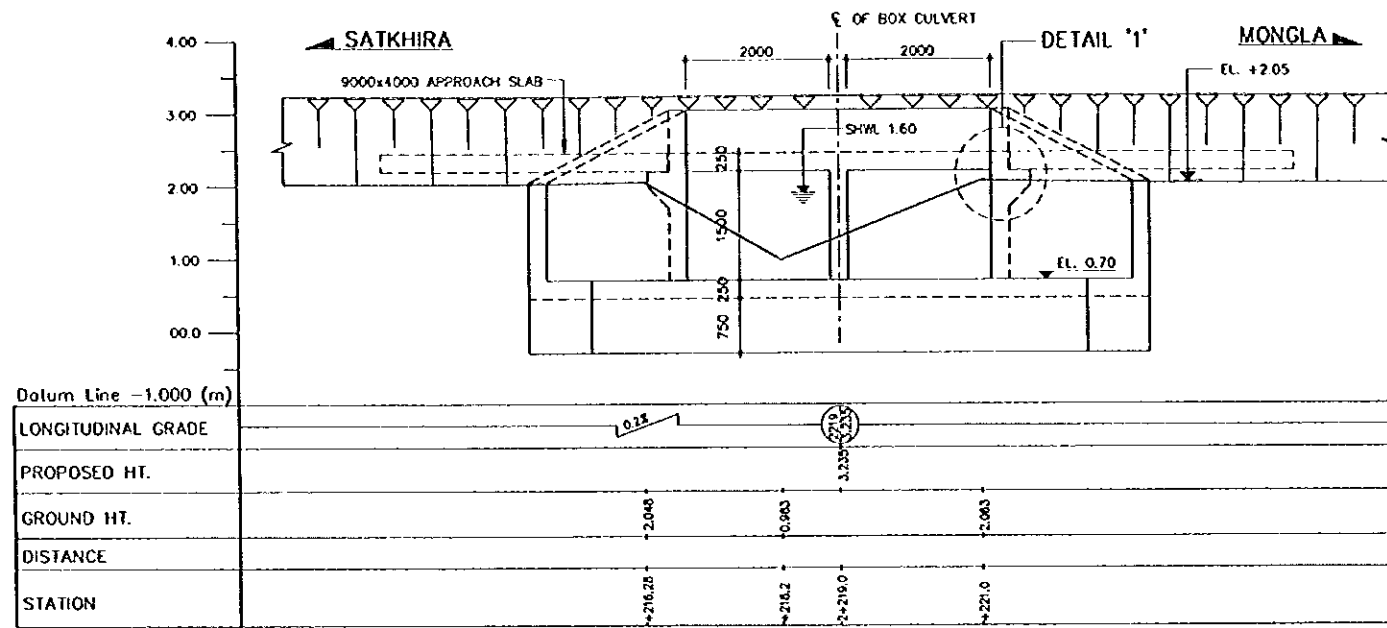
68
189
92
86
64
73
72
65
81

THE STUDY ON CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA (PHASE 2)

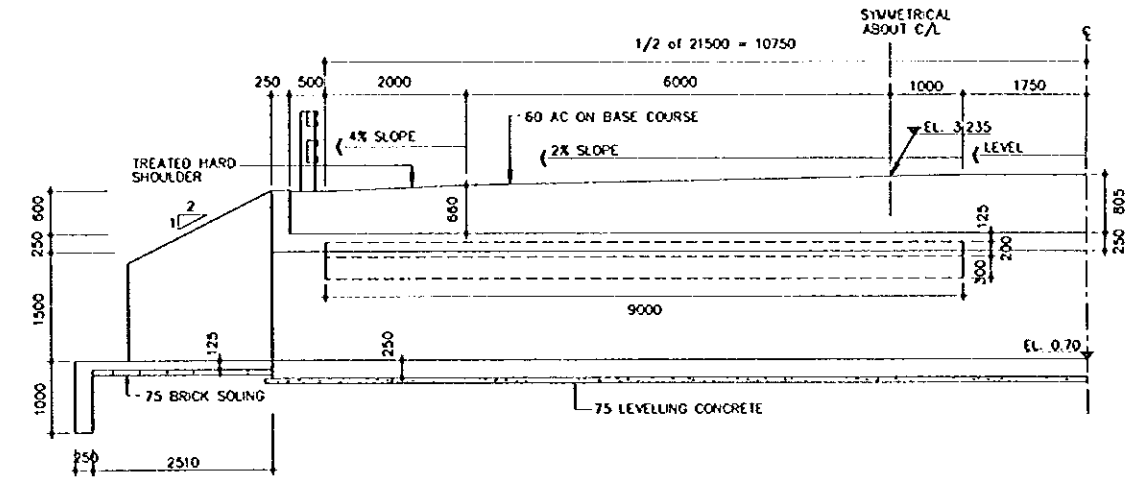
BOX CULVERT
Alutala Khal (STA. 2+218.639)

SHEET
NO.

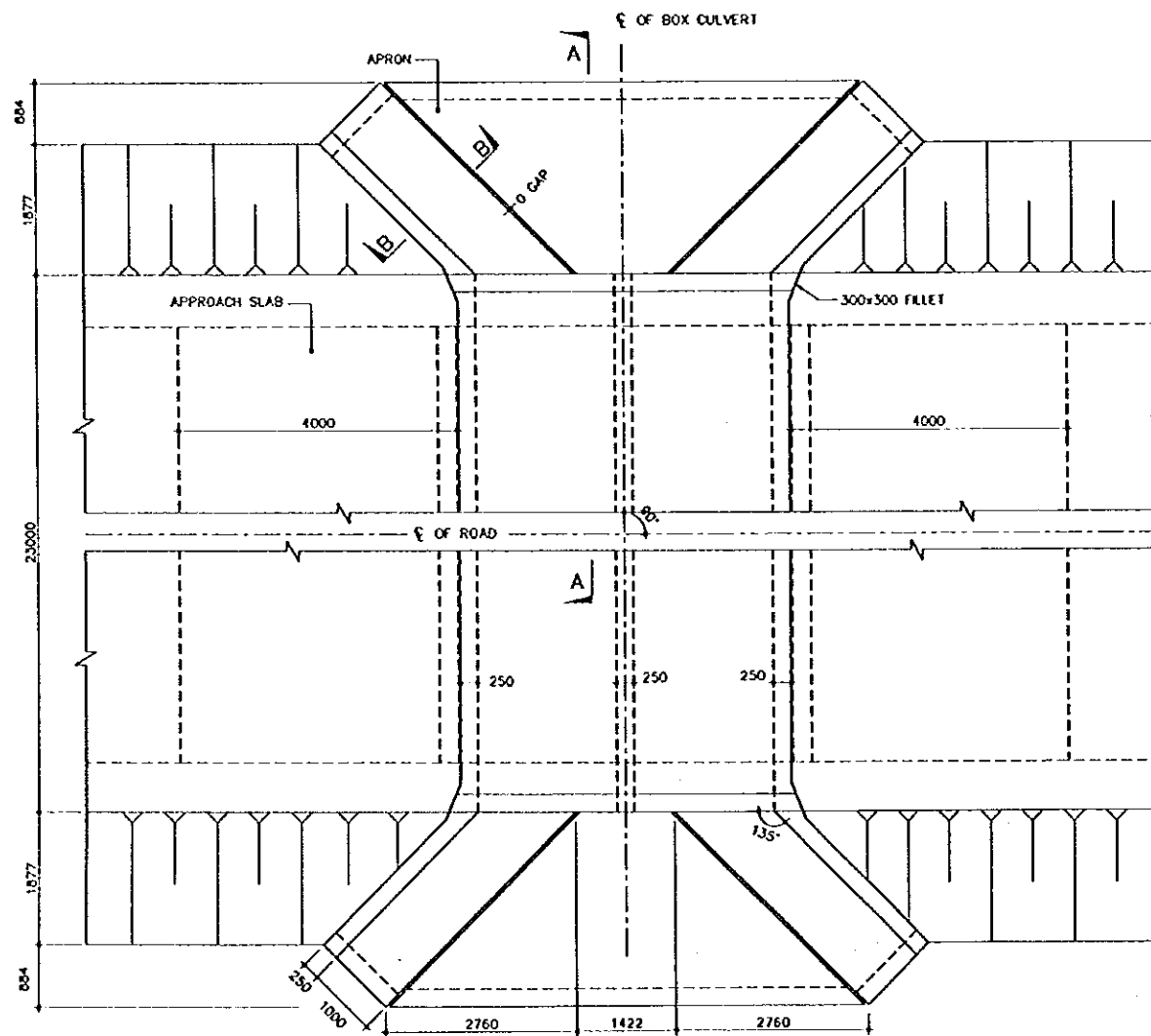
B-07



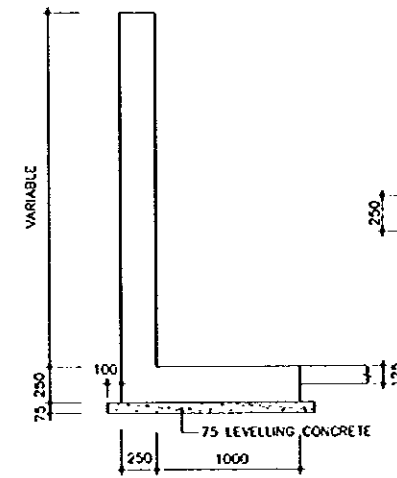
2 GENERAL ELEVATION AT C/L
B-07 SCALE 1:50



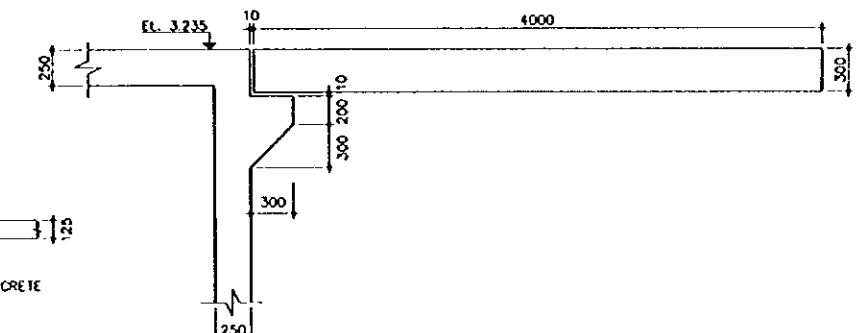
3 SECTION A-A
B-07 SCALE 1:50



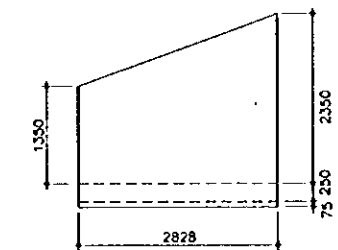
1 PART PLAN
B-07 SCALE 1:50



4 SECTION B-B
B-07 SCALE 1:25



DETAIL '1'

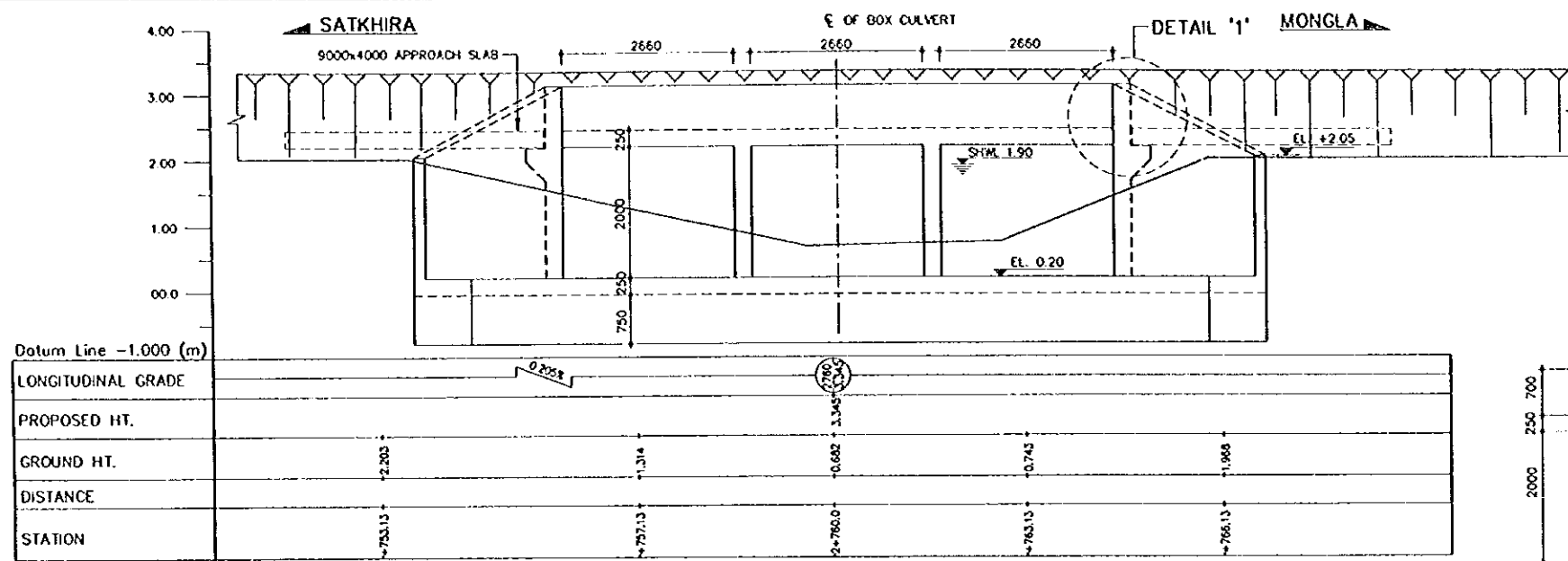


5 ELEVATION OF WING WALL
AT WATER SIDE
B-07 SCALE 1:50

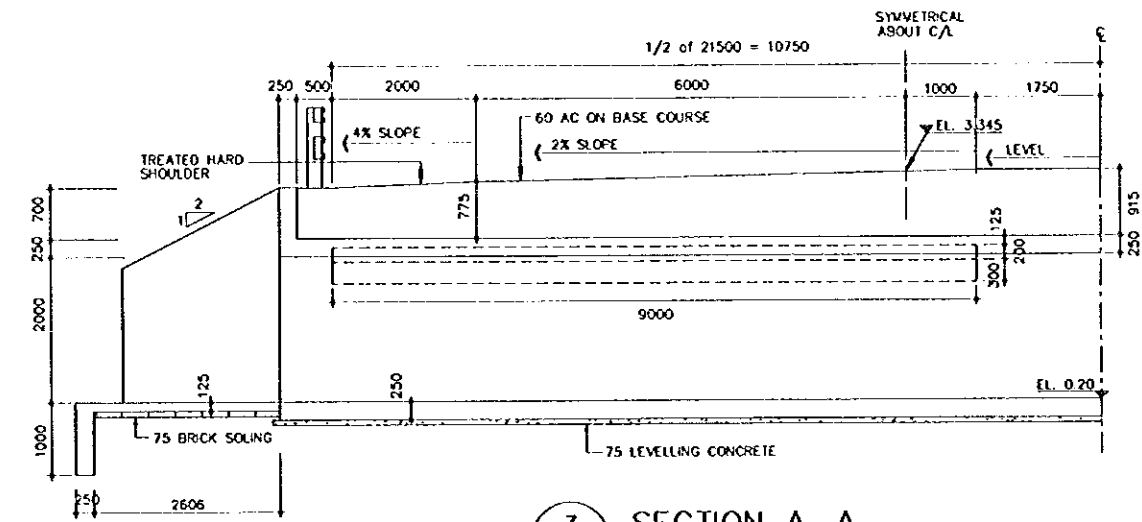
THE STUDY ON CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA (PHASE 2)

BOX CULVERT
Aralia Khal (STA. 2+759.629)

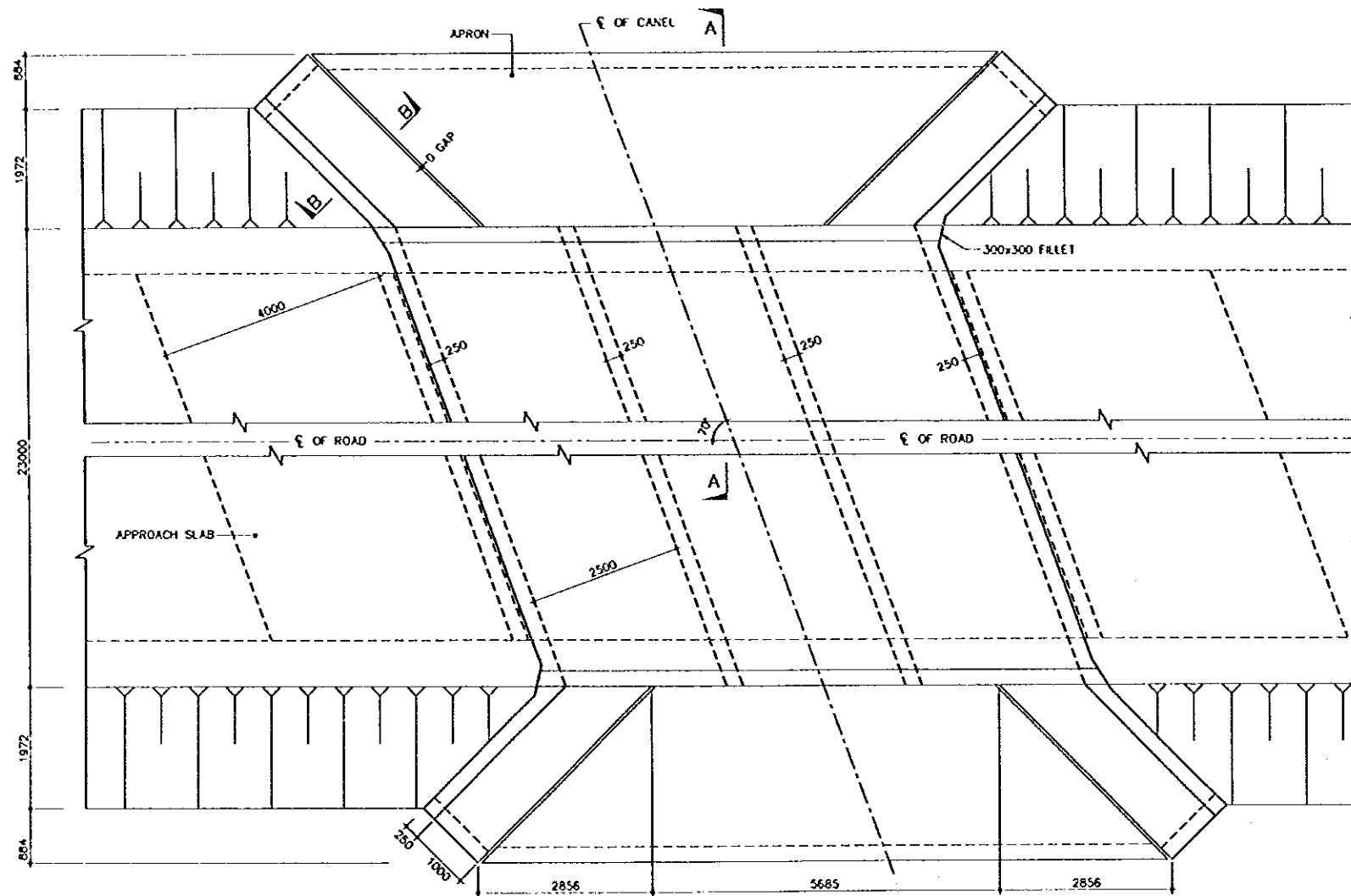
SHEET NO. 8-08



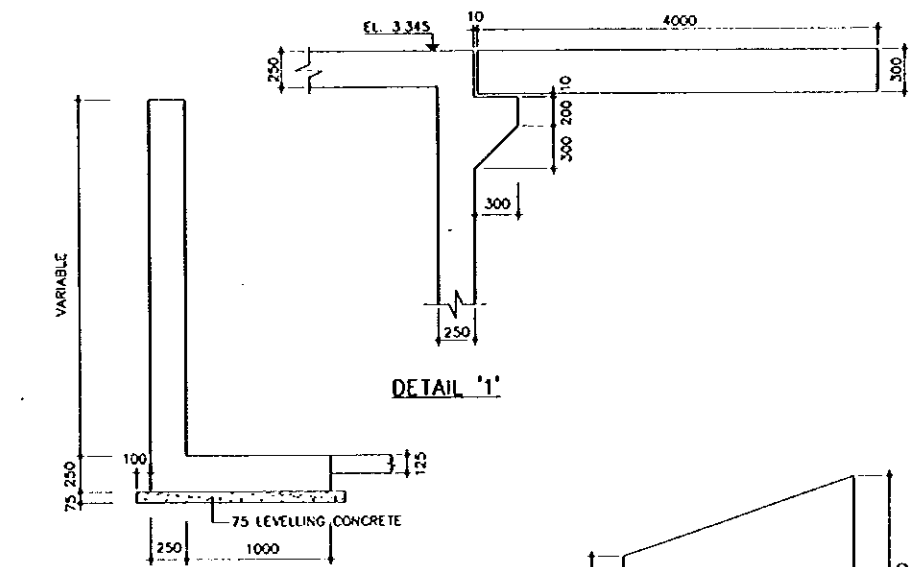
2 GENERAL ELEVATION AT C/L
SCALE 1:50



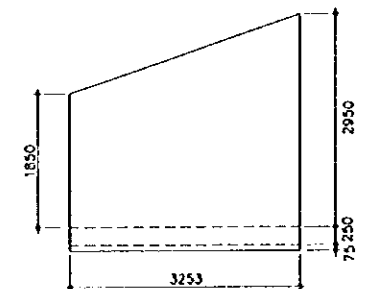
3 SECTION A-A
SCALE 1:50



1 PART PLAN
SCALE 1:50



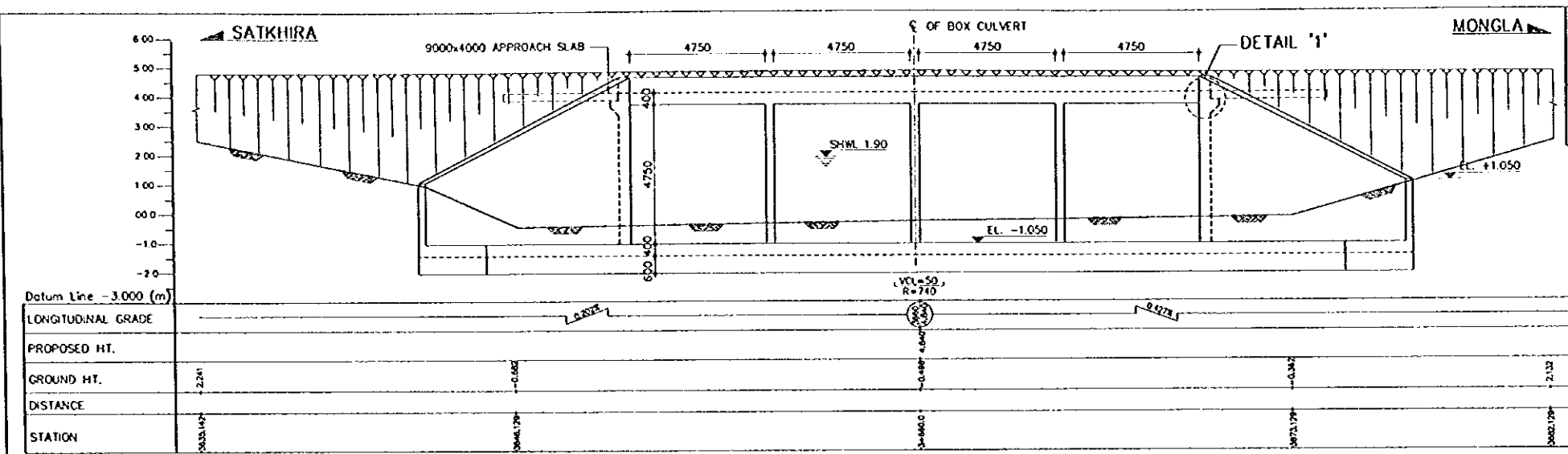
4 SECTION B-B
SCALE 1:25



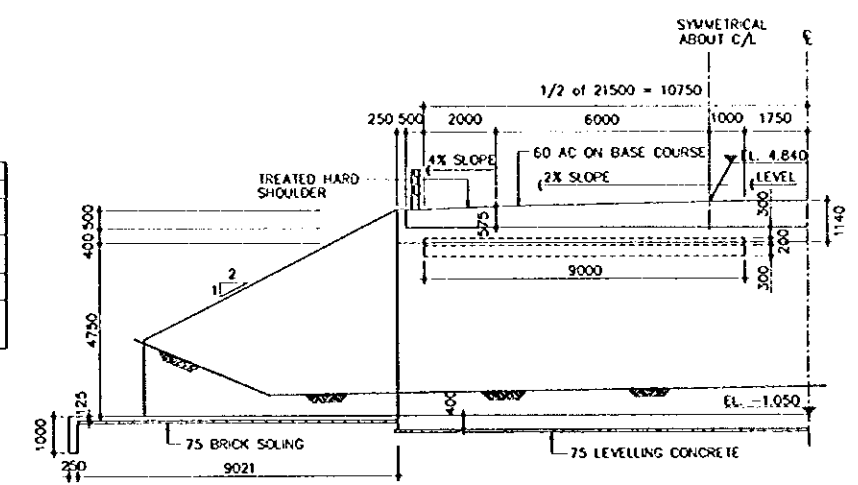
5 ELEVATION OF WING WALL AT WATER SIDE
SCALE 1:50

THE STUDY ON CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA (PHASE 2)
BOX CULVERT
Norikol Bario Khol (STA. 3+658.636)

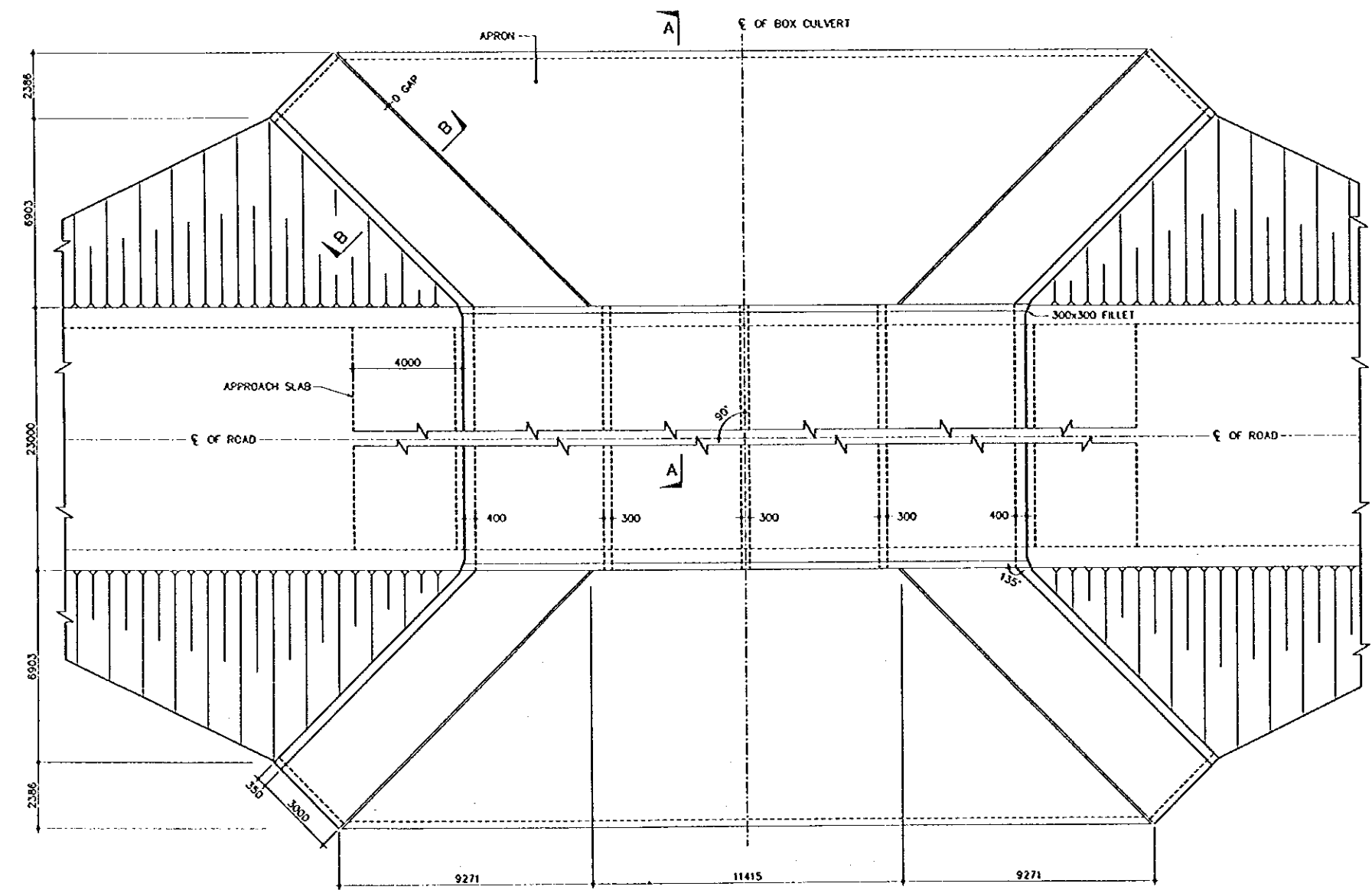
SHEET NO. B-09



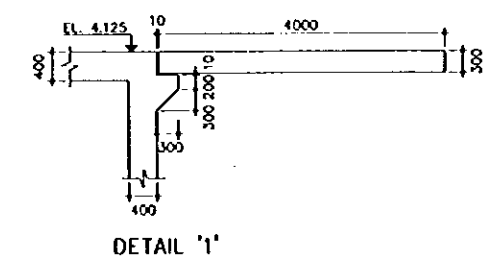
2 GENERAL ELEVATION AT C/L
SCALE 1:100



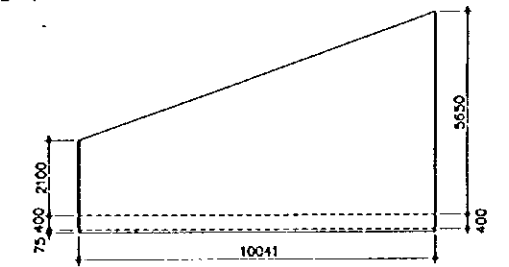
3 SECTION A-A
SCALE 1:100



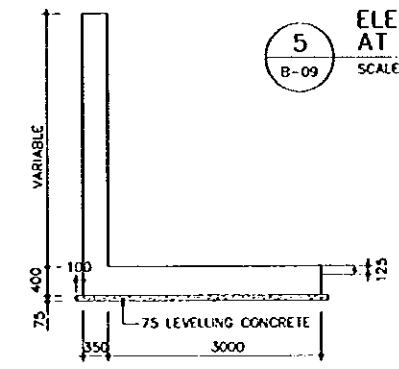
1 PART PLAN
SCALE 1:100



DETAIL '1'



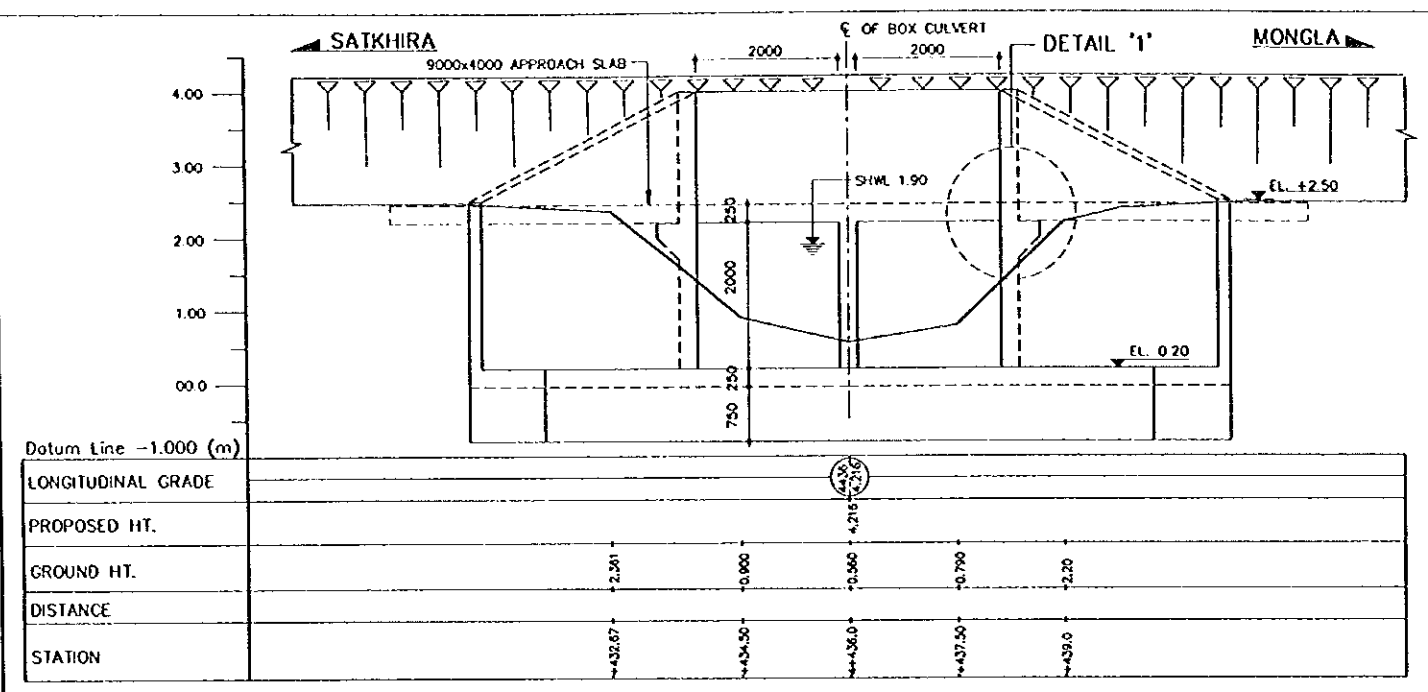
5 ELEVATION OF WING WALL AT WATER SIDE
SCALE 1:100



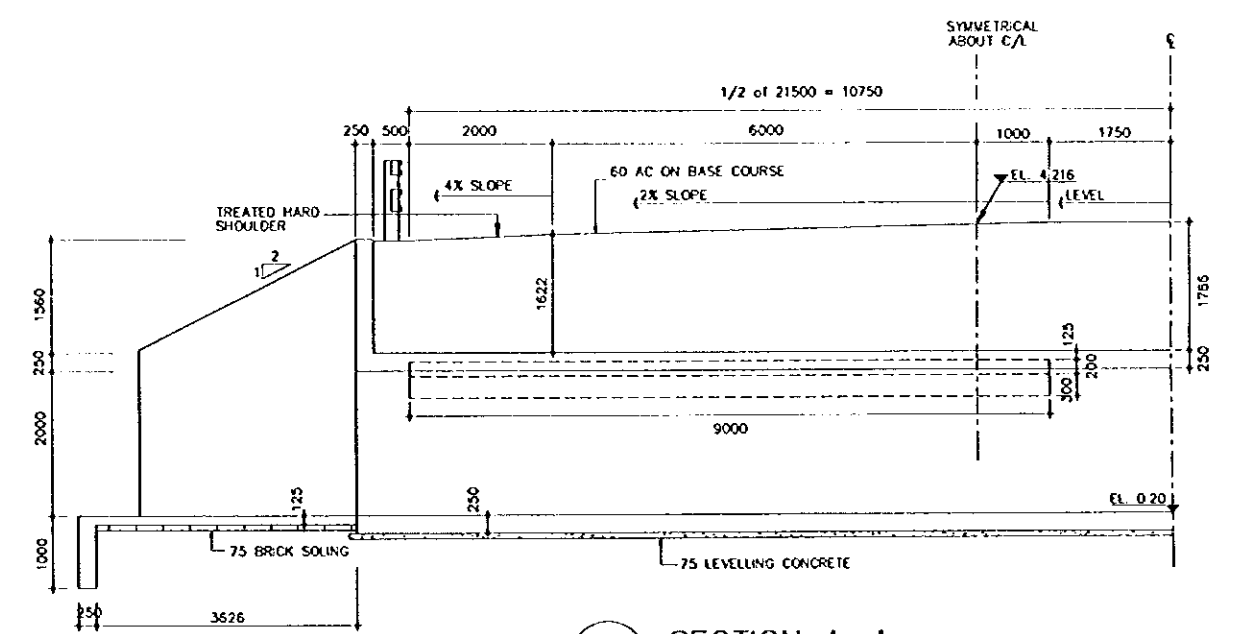
4 SECTION B-B
SCALE 1:50

**THE STUDY ON CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA (PHASE 2)**

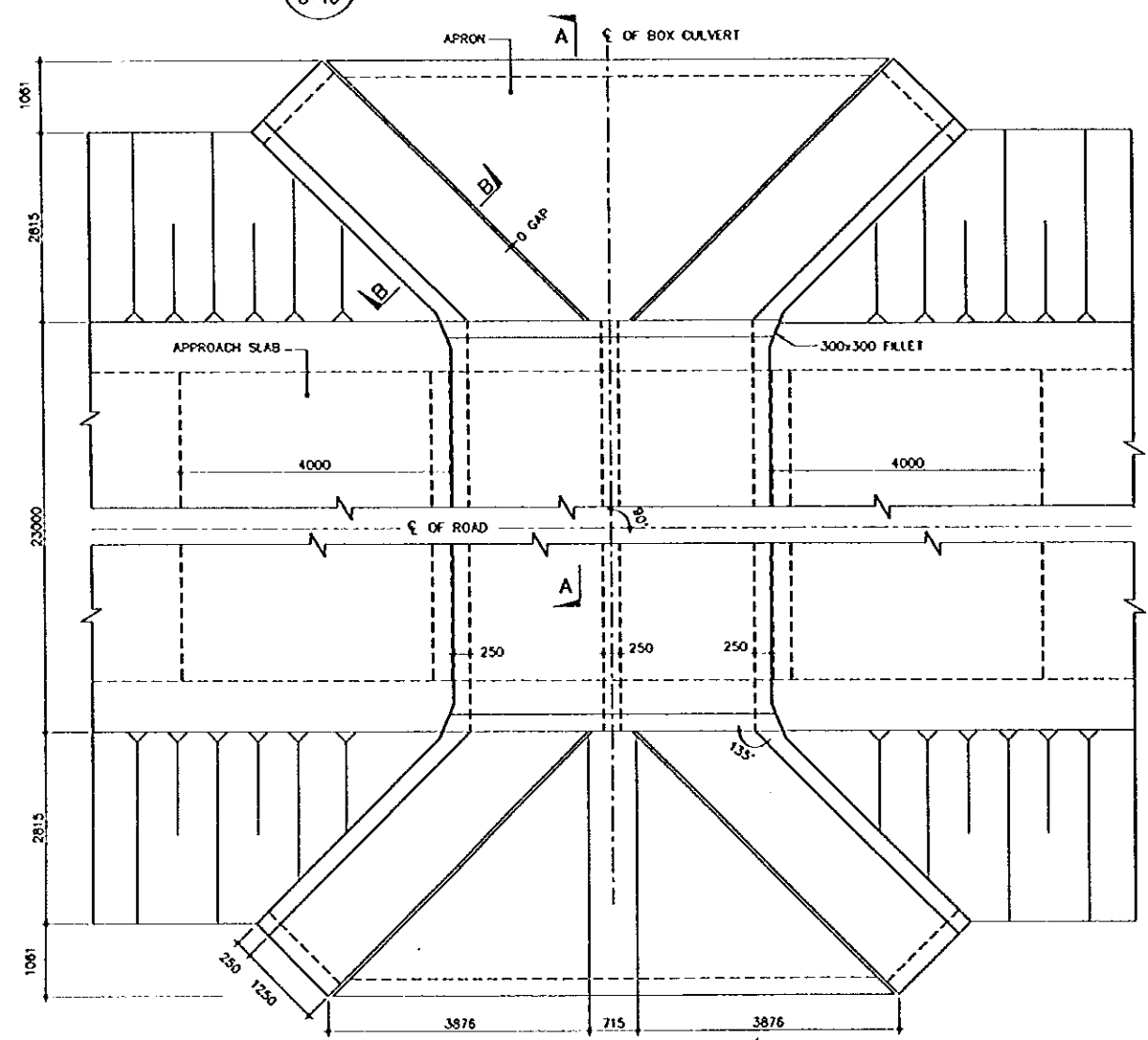
| | | |
|--|--------------|------|
| BOX CULVERT Karate Khal (STA. 4+525.000) | SHEET NO. | B-10 |
|--|--------------|------|



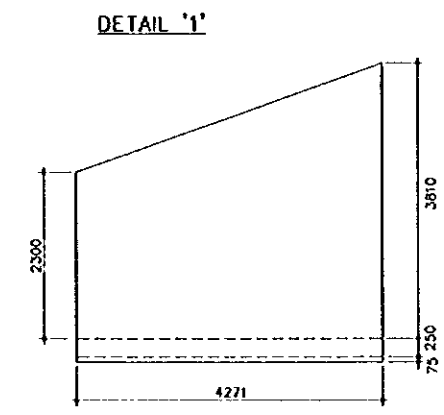
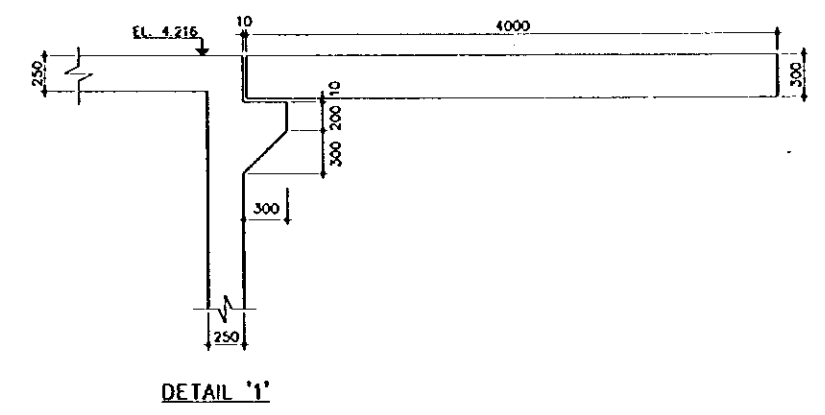
2 GENERAL ELEVATION AT C/L
B-10 SCALE 1:50



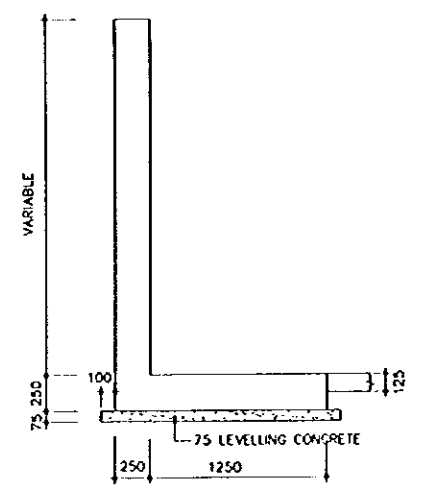
3 SECTION A-A
B-10 SCALE 1:50



1 PART PLAN
B-10 SCALE 1:50



5 ELEVATION OF WING WALL AT WATER SIDE
B-10 SCALE 1:50

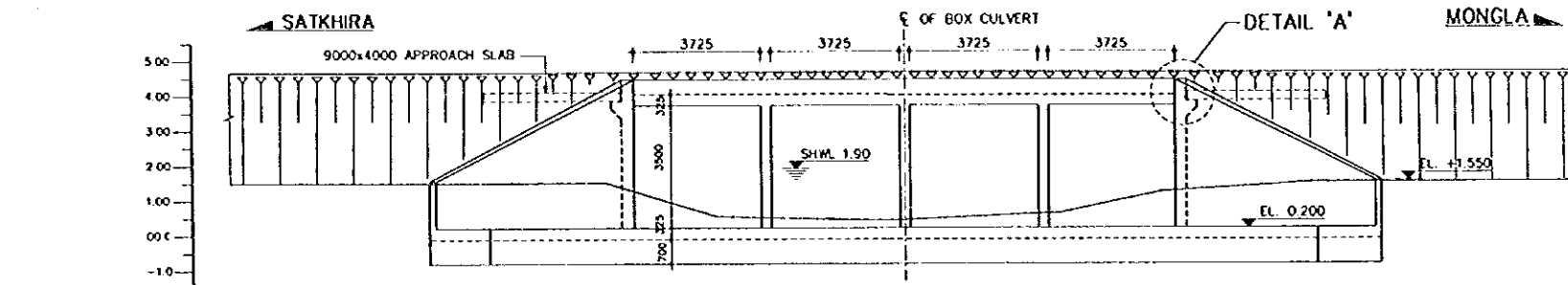


4 SECTION B-B
B-10 SCALE 1:25

THE STUDY ON CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA (PHASE 2)

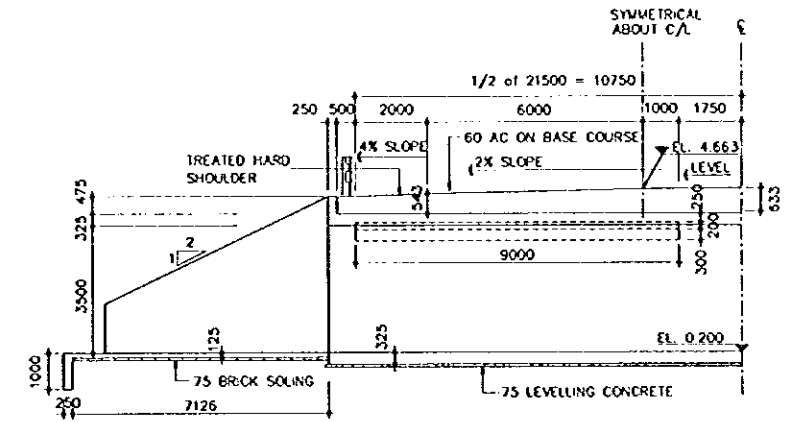
BOX CULVERT
Laurir Khal (STA. 4+643.129)

SHEET NO. B-11

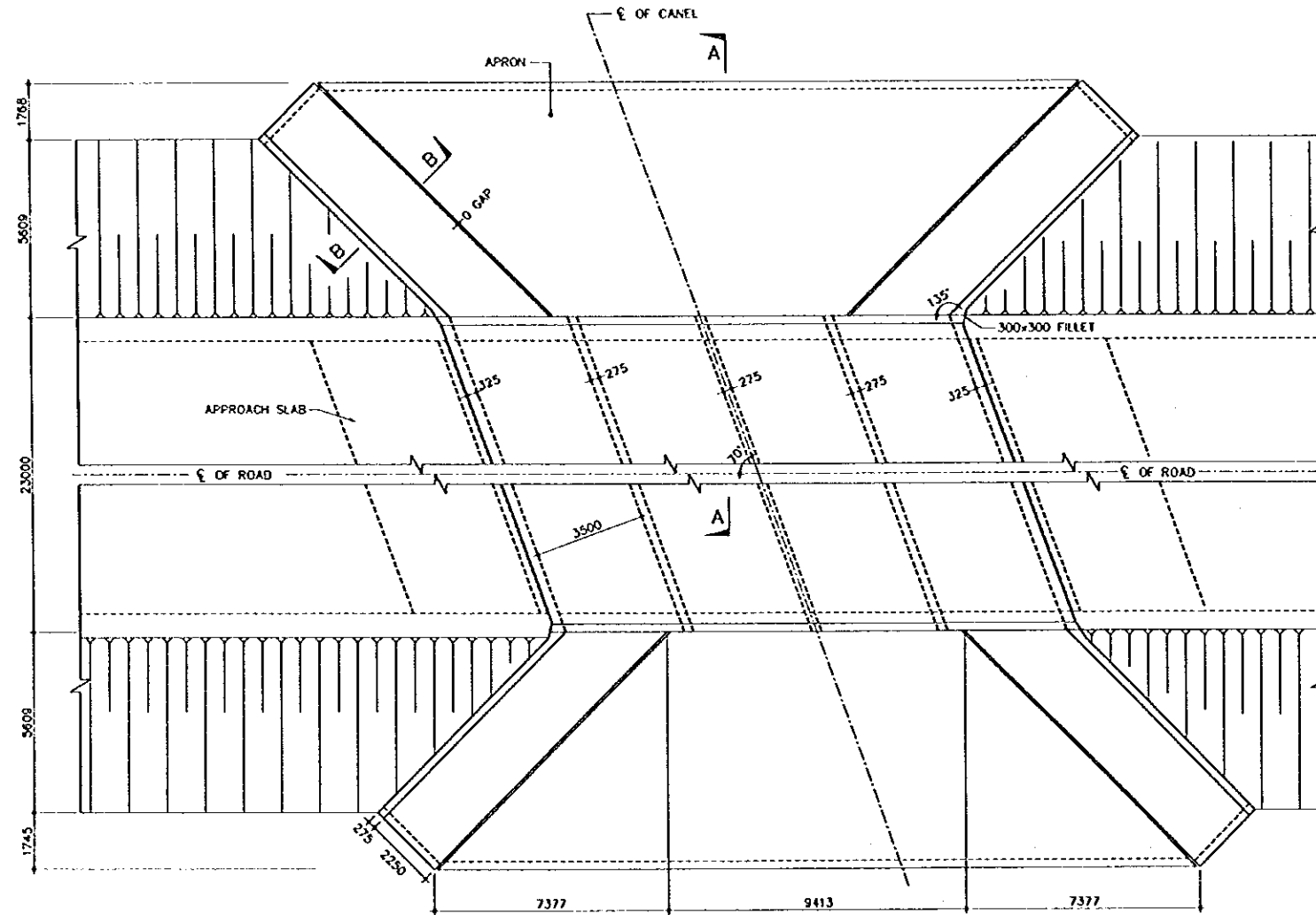


| Datum Line - 2.000 (m) | |
|------------------------|--|
| LONGITUDINAL GRADE | |
| PROPOSED HT. | |
| GROUND HT. | 1.42 0.32 0.10 + 4.80 0.32 1.22 1.34 |
| DISTANCE | |
| STATION | +4381.3 +4381.3 +4443 +4481.3 +4811.3 +4851.3 |

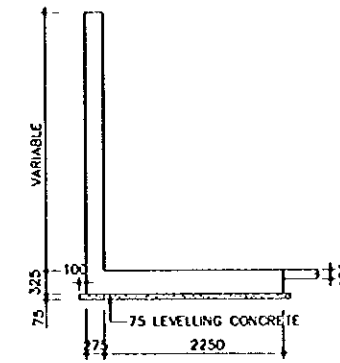
2 GENERAL ELEVATION AT C/L
SCALE 1:100



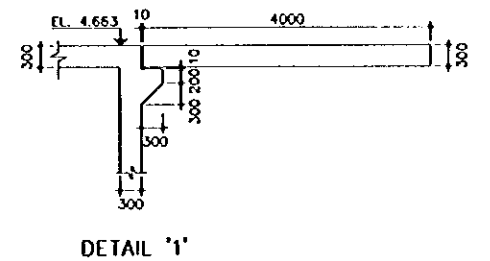
3 SECTION A-A
SCALE 1:100



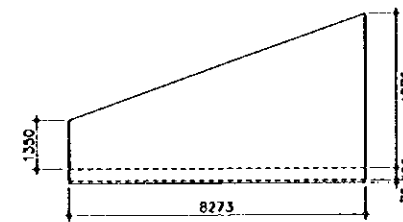
1 PART PLAN
SCALE 1:100



4 SECTION B-B
SCALE 1:50



DETAIL '1'

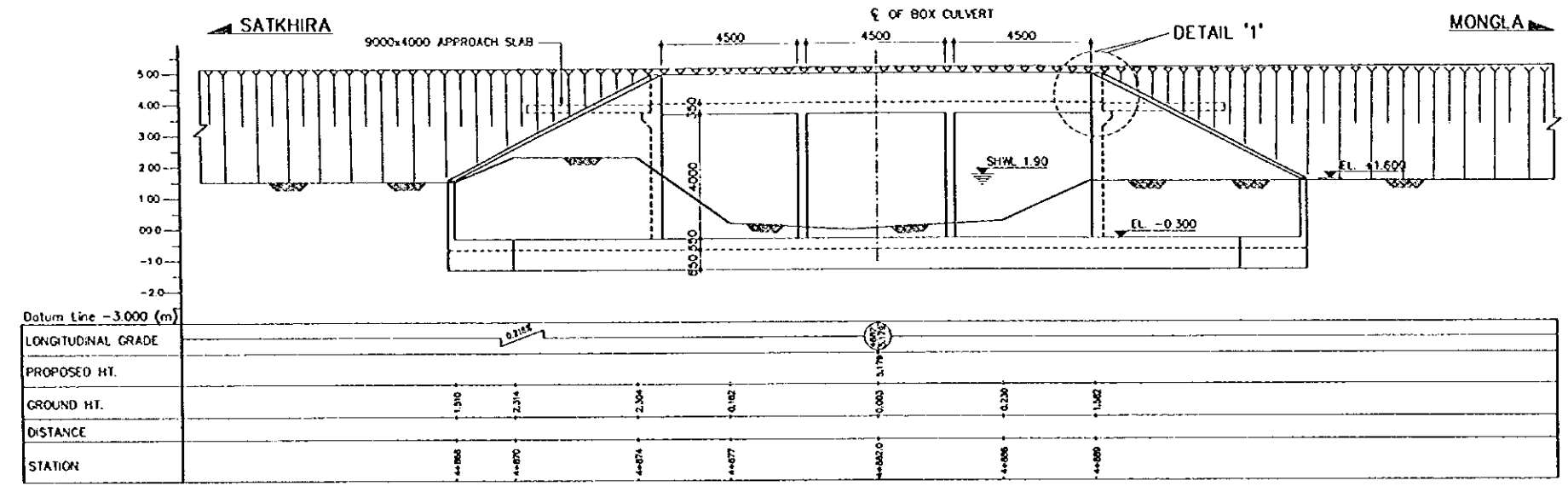


5 ELEVATION OF WING WALL AT WATER SIDE
SCALE 1:100

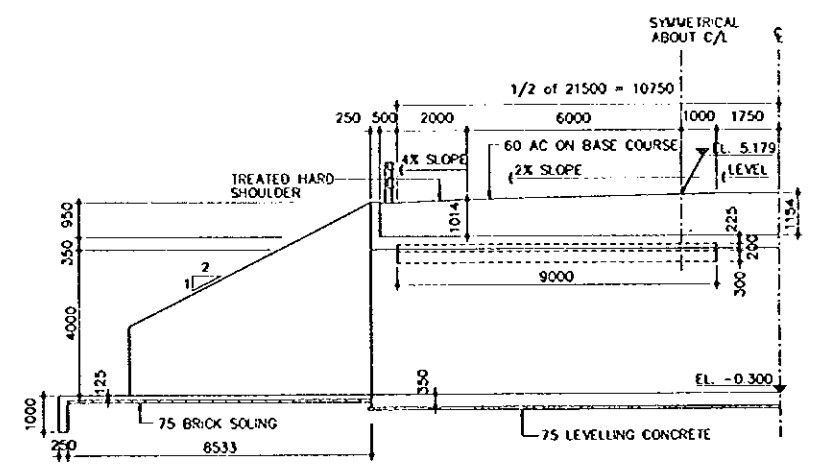
THE STUDY ON CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA (PHASE 2)

BOX CULVERT
Moyur Khol (STA. 4+881.629)

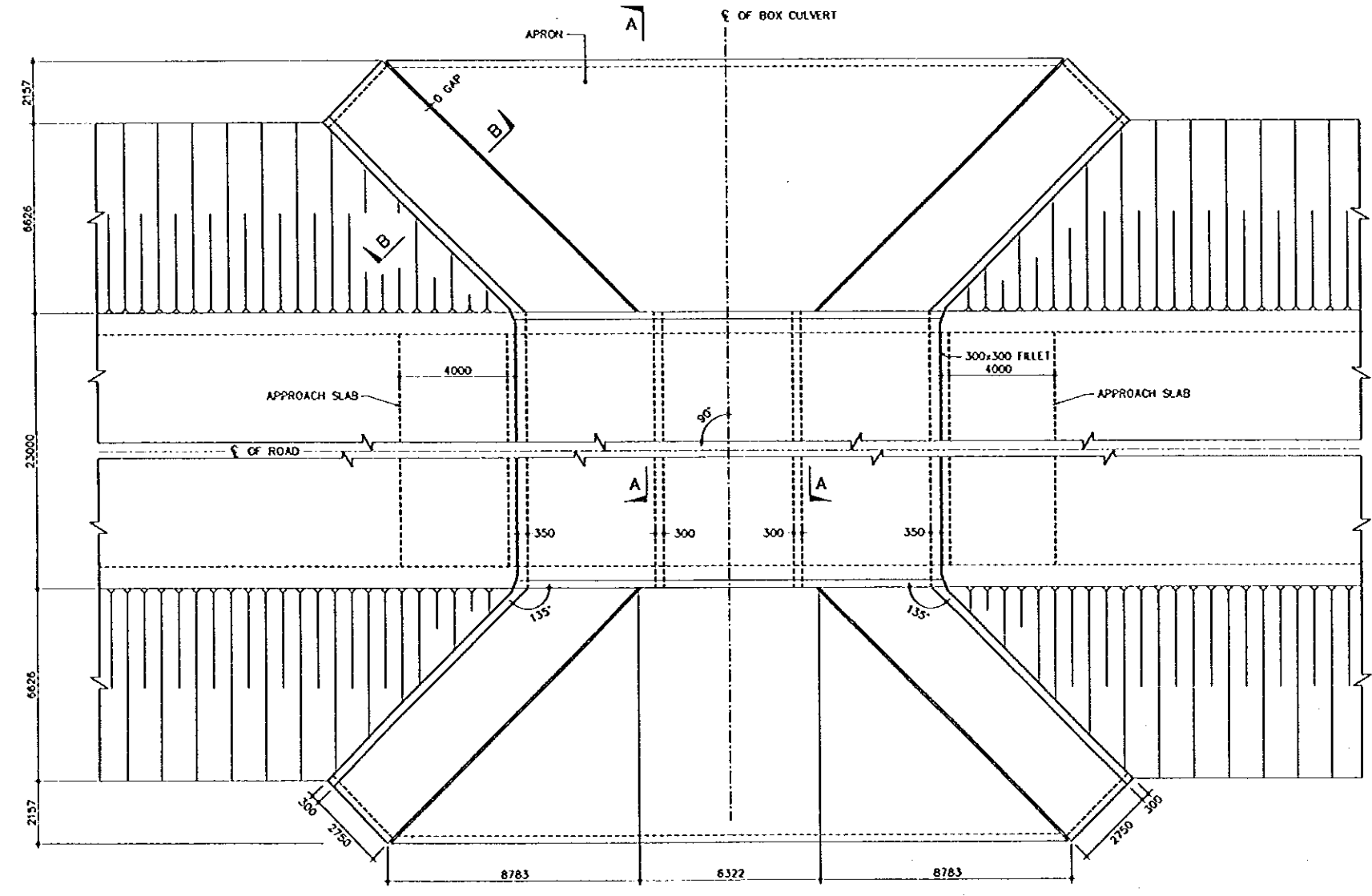
SHEET NO. B-12



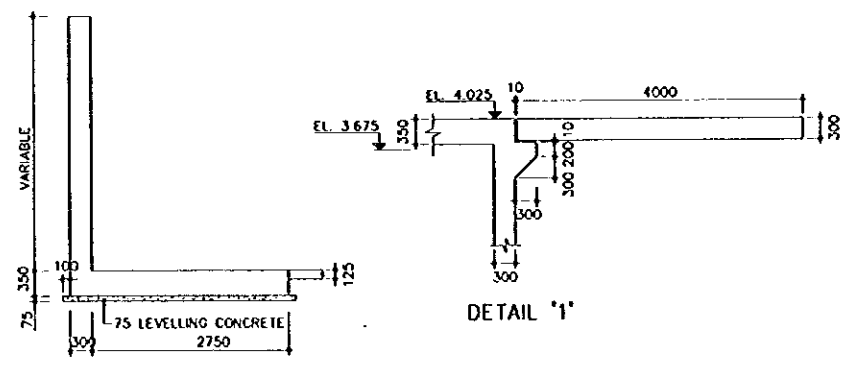
2 GENERAL ELEVATION AT C/L
B-12 SCALE 1:100



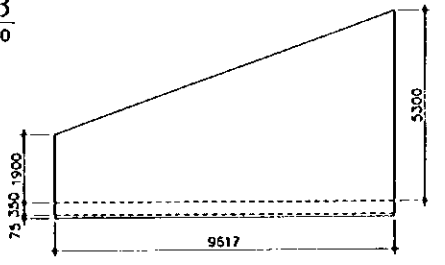
3 SECTION A-A
B-12 SCALE 1:100



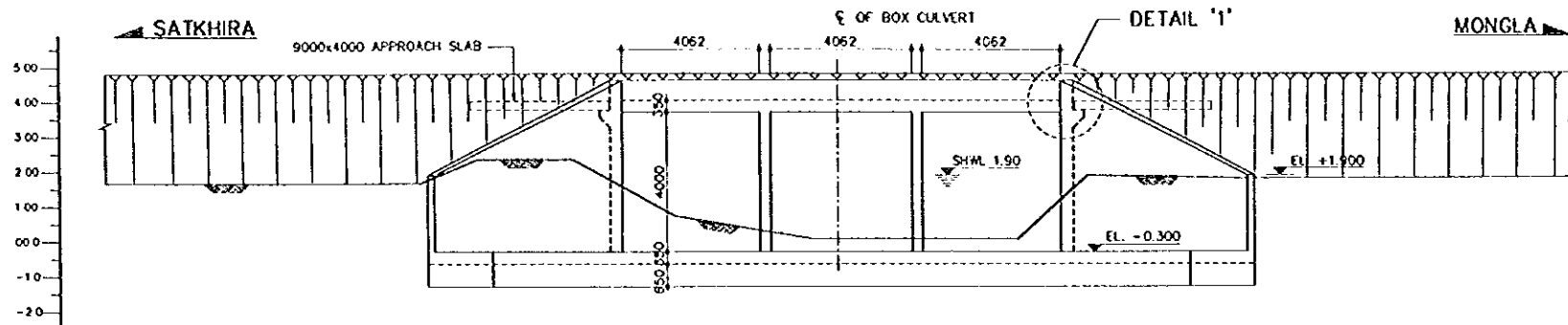
1 PART PLAN
B-12 SCALE 1:100



4 SECTION B-B
B-12 SCALE 1:50

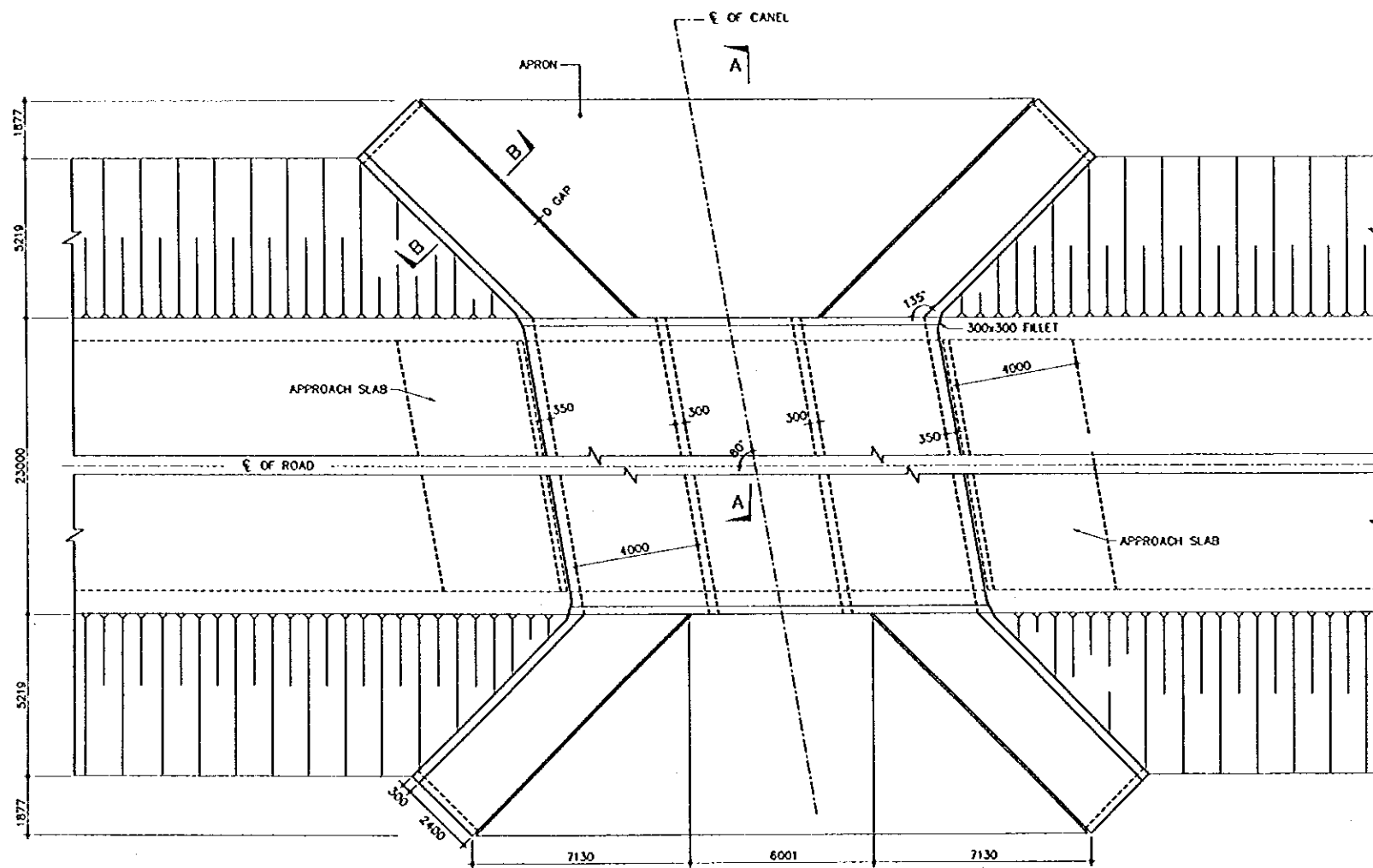


5 ELEVATION OF WING WALL AT WATER SIDE
B-12 SCALE 1:100



| Datum Line -3.000 (m) | |
|-----------------------|--|
| LONGITUDINAL GRADE | |
| PROPOSED HT. | |
| GROUND HT. | 1.337 2.300 2.410 3.742 0.089 0.089 4.086 0.138 1.903 |
| DISTANCE | |
| STATION | +25+13 +25+13 +25+13 +25+13 +25+13 5+265.629 +27+13 +27+13 |

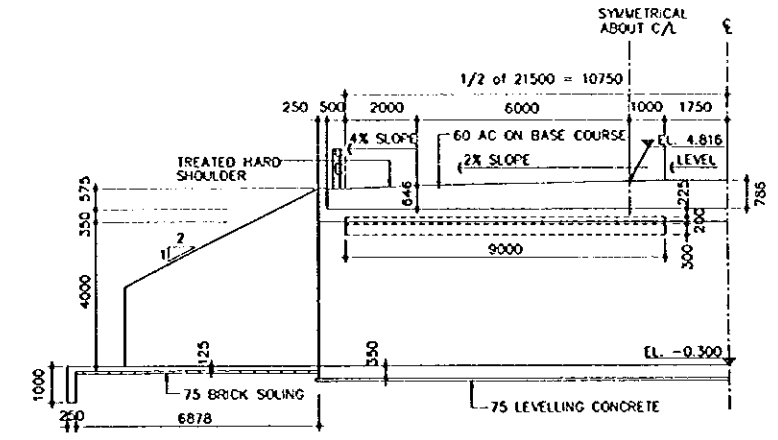
2 GENERAL ELEVATION AT C/L
B-13 SCALE 1:100



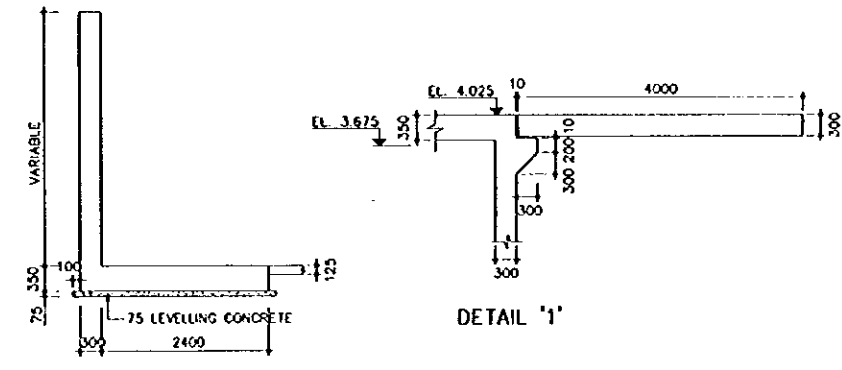
1 PART PLAN
B-13 SCALE 1:100

THE STUDY ON CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA (PHASE 2)

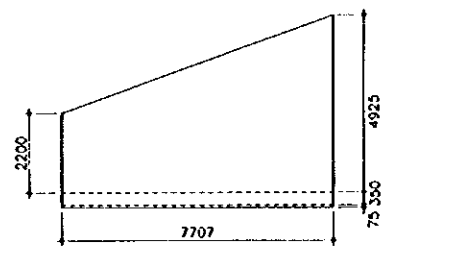
BOX CULVERT
Khetro Khol (STA. 5+265.629) SHEET NO. B-13



3 SECTION A-A
B-13 SCALE 1:100



4 SECTION B-B
B-13 SCALE 1:50

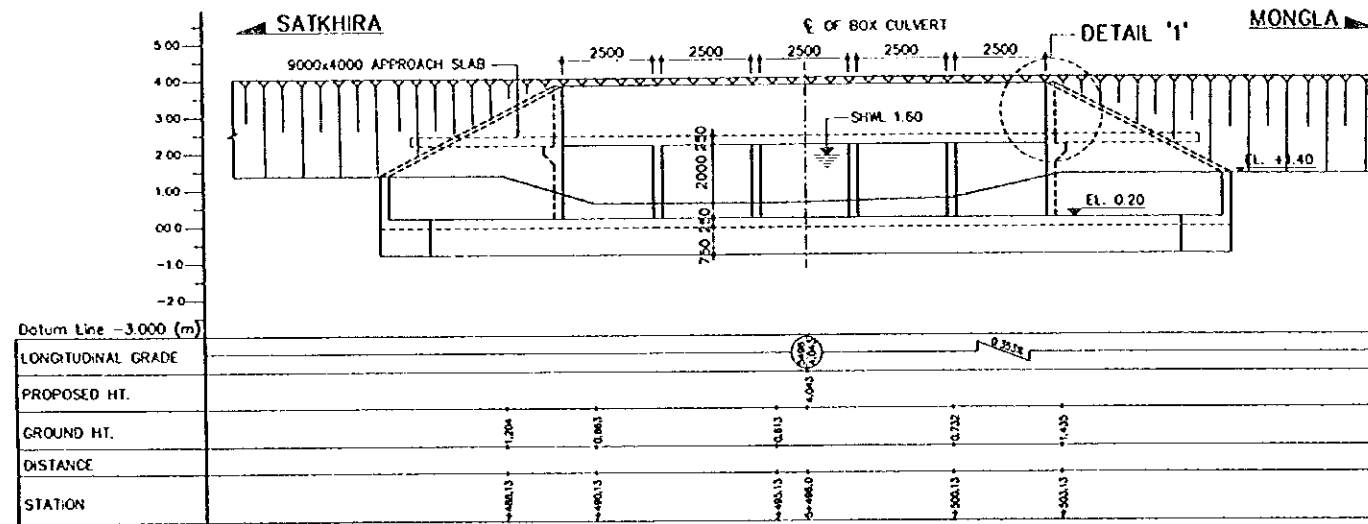


5 ELEVATION OF WING WALL
AT WATER SIDE
B-13 SCALE 1:100

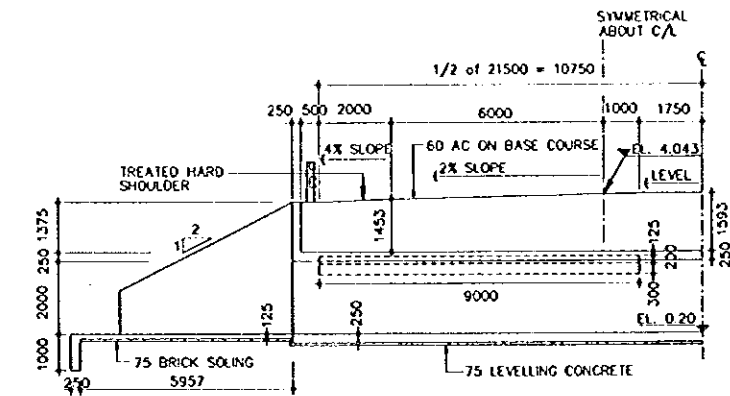
THE STUDY ON CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA (PHASE 2)

BOX CULVERT
Molekana Khal (STA. 5+495.529)

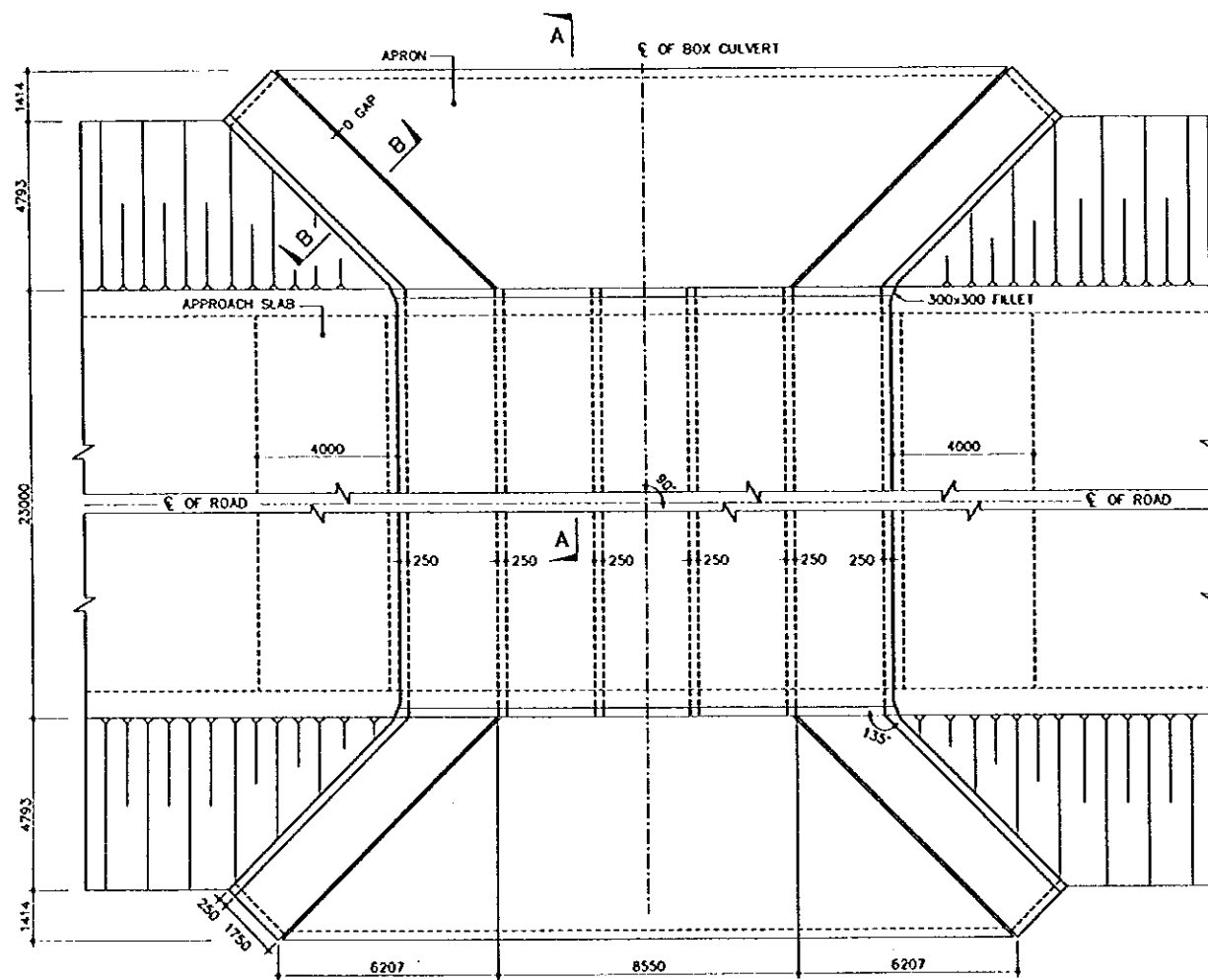
SHEET
NO. B-14



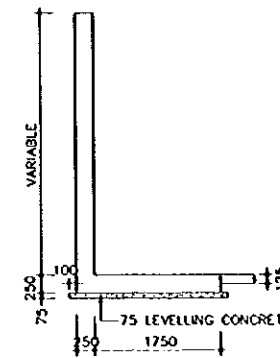
2 GENERAL ELEVATION AT C/L
B-14 SCALE 1:100



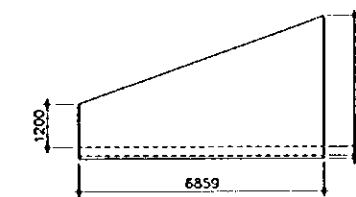
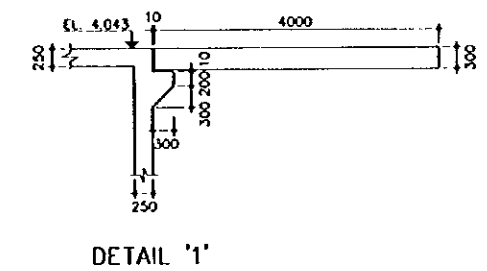
3 SECTION A-A
B-14 SCALE 1:100



1 PART PLAN
B-14 SCALE 1:100



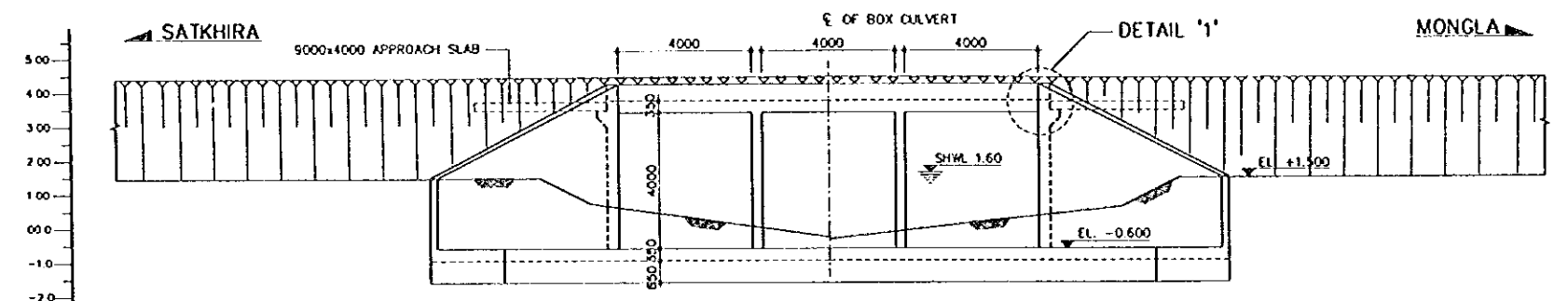
4 SECTION B-B
B-14 SCALE 1:50



5 ELEVATION OF WING WALL AT WATER SIDE
B-14 SCALE 1:100

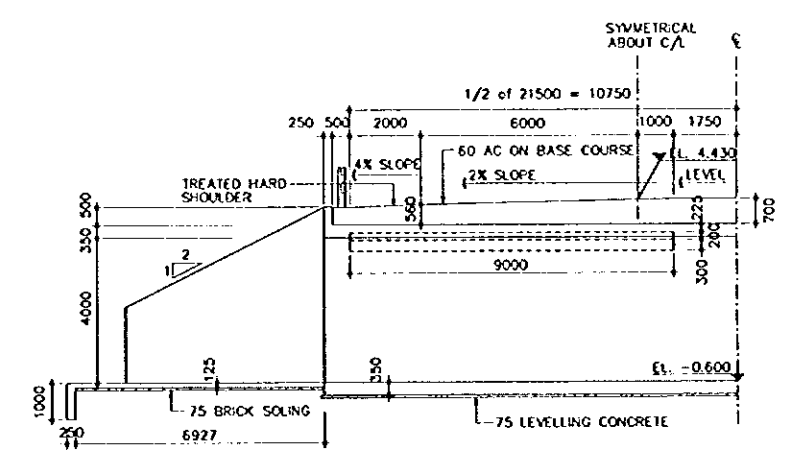
THE STUDY ON CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA (PHASE 2)

BOX CULVERT
Besar Khal (STA. 8+861.027) SHEET NO. B-15

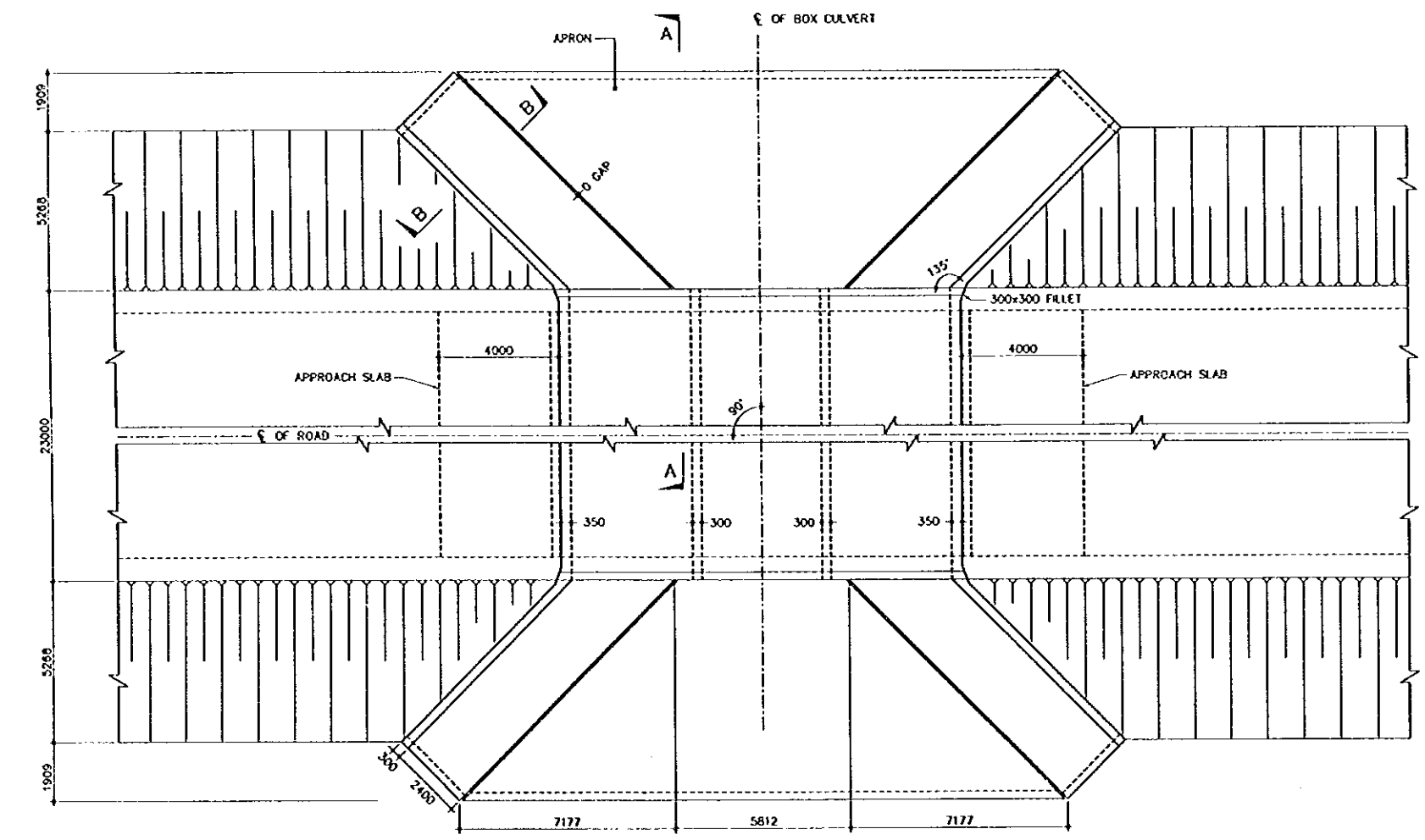


| | | | | | | | |
|-----------------------|---------|---------|---------|---------|---------|---------|--|
| Datum Line -3.000 (m) | | | | | | | |
| LONGITUDINAL GRADE | | | | | | | |
| PROPOSED HT. | | | | | | | |
| GROUND HT. | 1.40 | 0.80 | 0.81 | 2.24 | 2.08 | 1.07 | |
| DISTANCE | | | | | | | |
| STATION | +857.78 | +857.78 | +861.78 | +876.78 | +874.88 | +877.78 | |

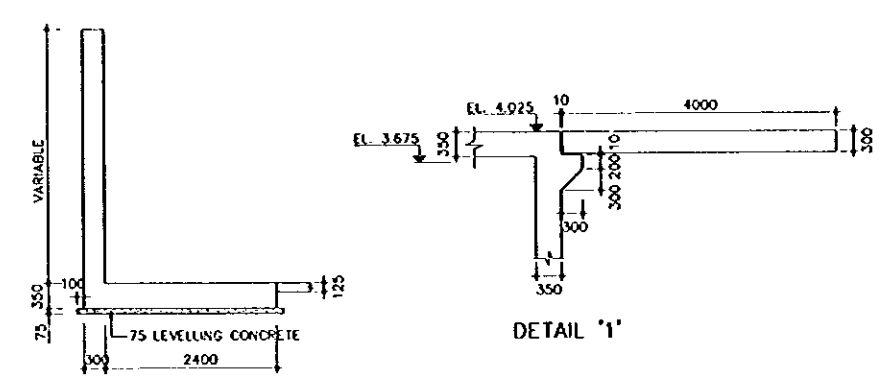
2 GENERAL ELEVATION AT C/L
B-15 SCALE 1:100



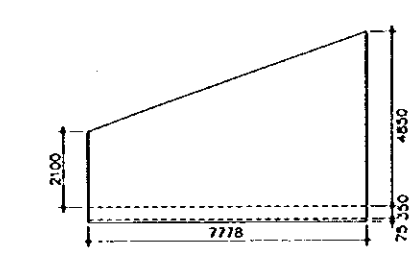
3 SECTION A-A
B-15 SCALE 1:100



1 PART PLAN
B-15 SCALE 1:100



4 SECTION B-B
B-15 SCALE 1:50



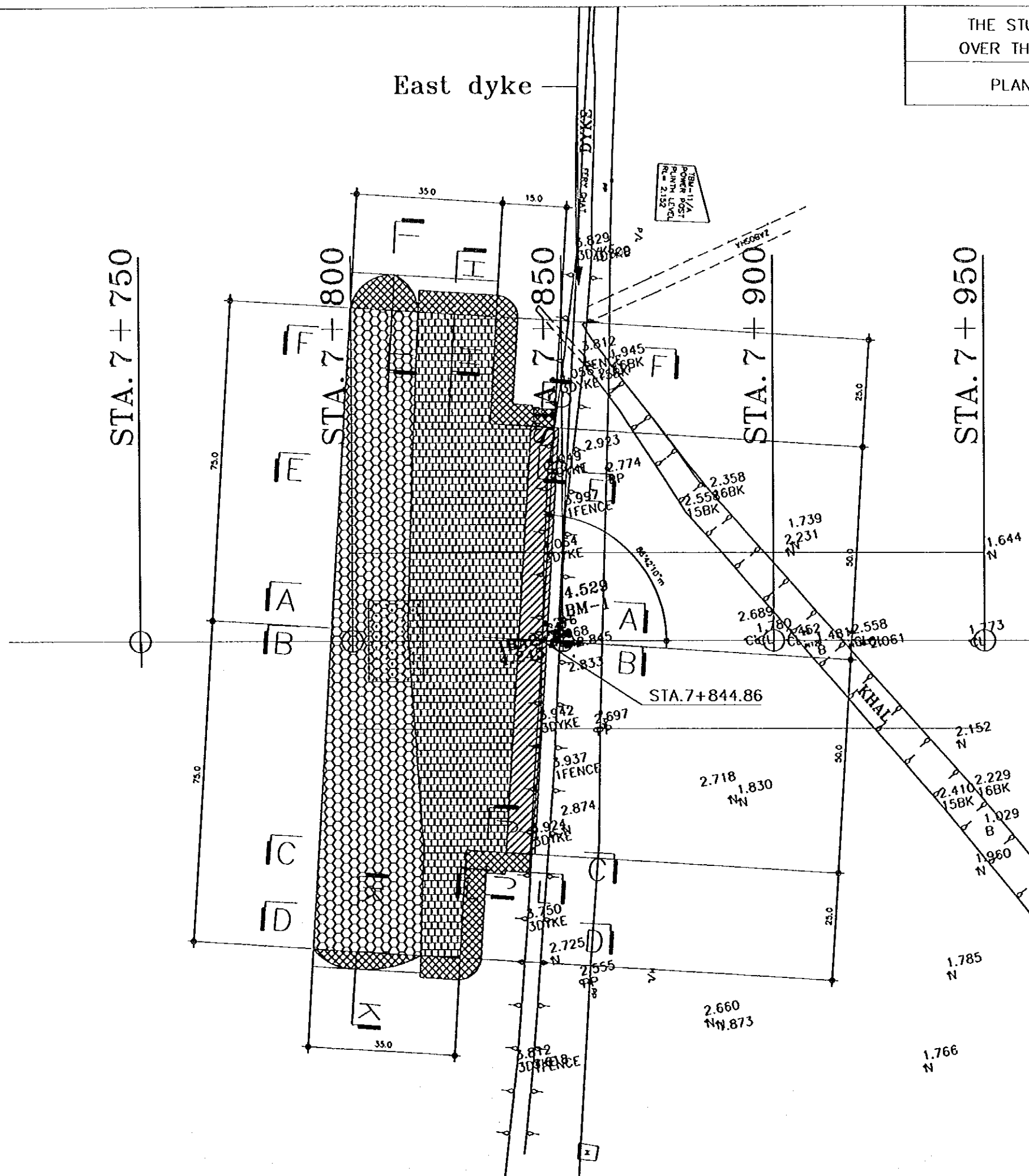
5 ELEVATION OF WING WALL AT WATER SIDE
B-15 SCALE 1:100






THE STUDY ON CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA (PHASE 2)

PLAN OF REVETMENT

SHEET
NO.

B-16



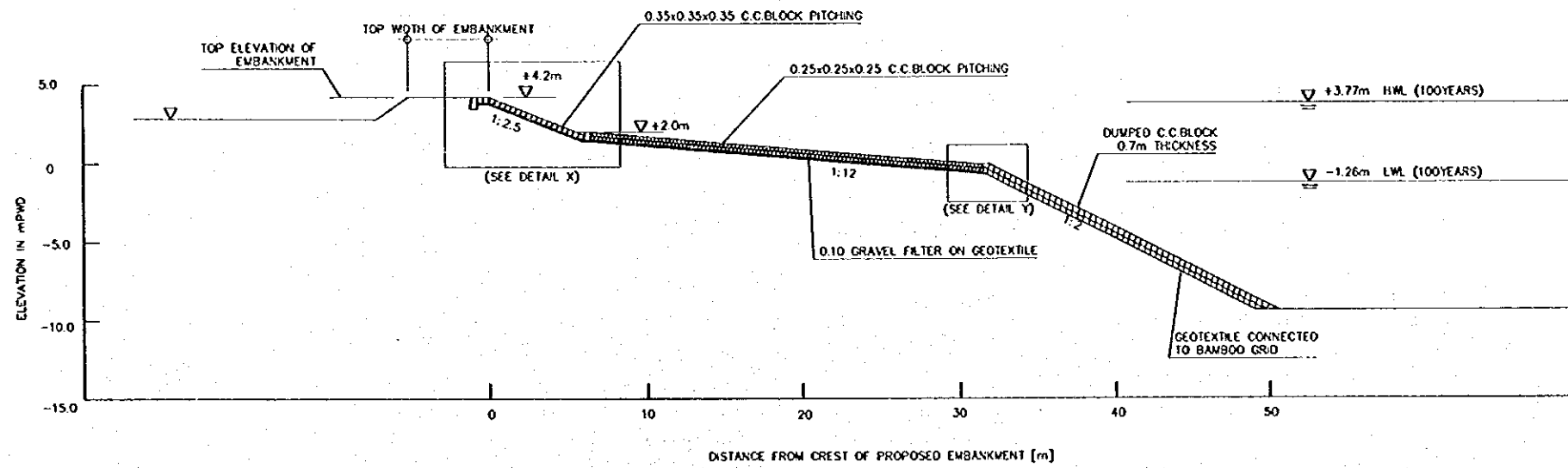
-  DUMPED C.C. BLOCK
0.7m THICKNESS
-  0.25x0.25x0.25 C.C. BLOCK
2 LAYER
-  0.35x0.35x0.35 C.C. BLOCK
1 LAYER
-  CONNECTED SECTION TO
EXISTING GROUND
-  PILE CAP

THE STUDY ON CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA (PHASE 2)

TYPICAL CROSS SECTION OF REVETMENT

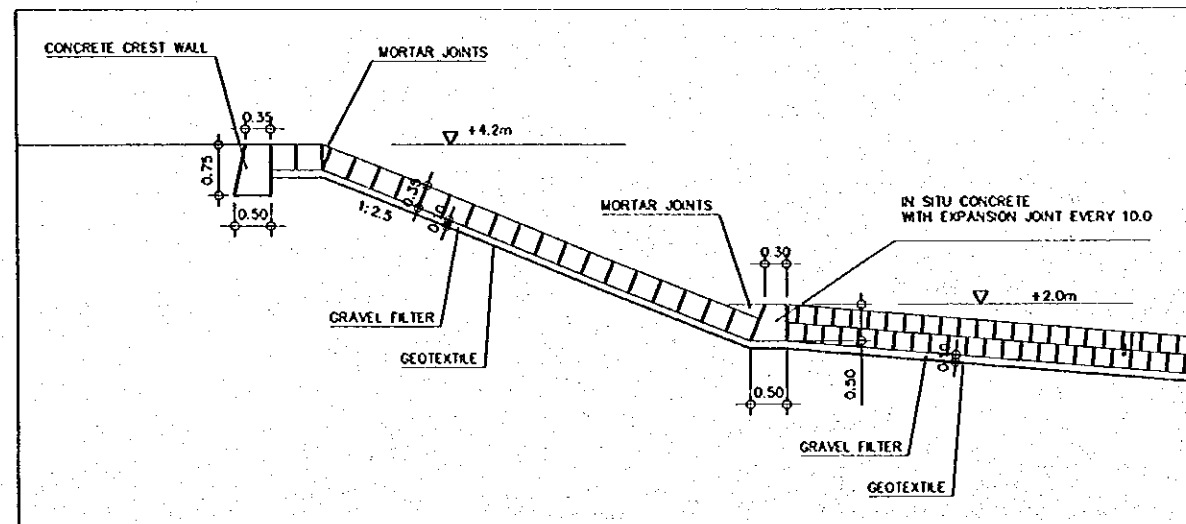
SHEET
NO.

B-17



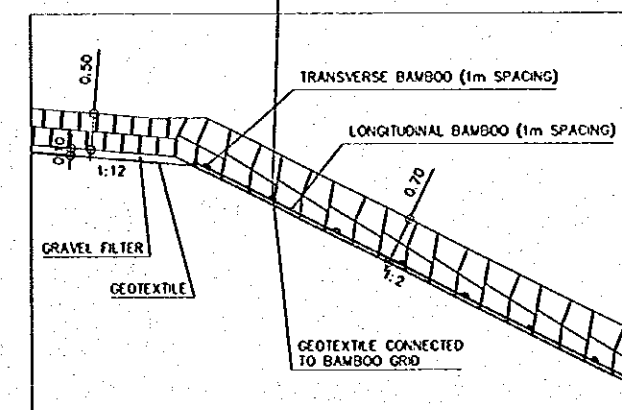
TYPICAL CROSS SECTION OF REVETMENT
SECTION A-A

SCALE 1:200



DETAIL X

SCALE 1:50



DETAIL Y

SCALE 1:50

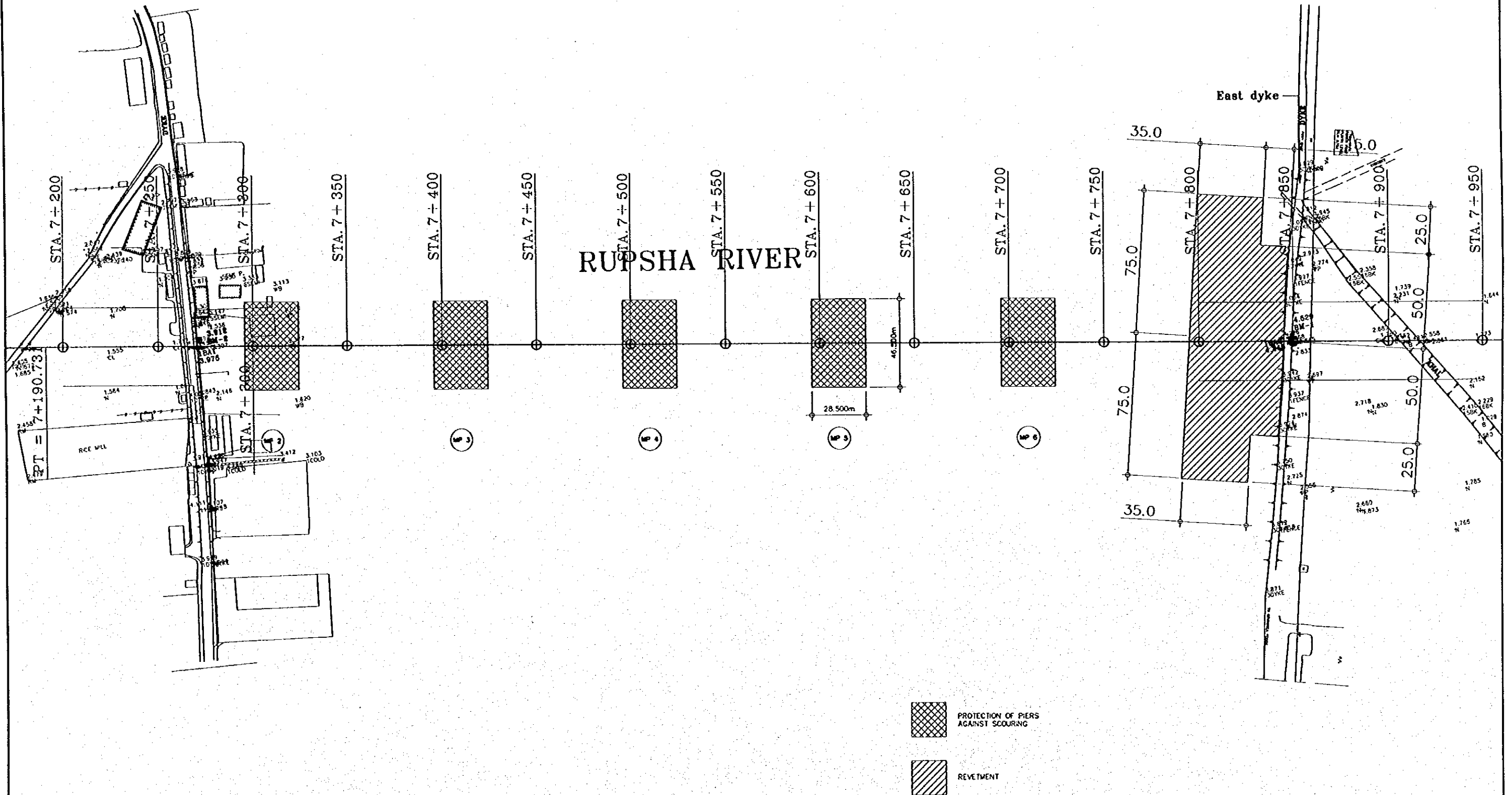
- NOTES:
1. ALL THICKNESS OF C.C. BLOCK ARE THE MINIMUM ACCEPTABLE VALUES TO BE ACHIEVED IN CONSTRUCTION.
 2. QUOTED SCALES ARE CORRECT WHEN DRAWING IS REPRODUCED AT A1 SIZE.
 3. ALL DIMENSIONS AND LEVELS ARE IN METERS.

THE STUDY ON CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA (PHASE 2)

PLAN OF PROTECTION OF PIERS

SHEET
NO.

B-18

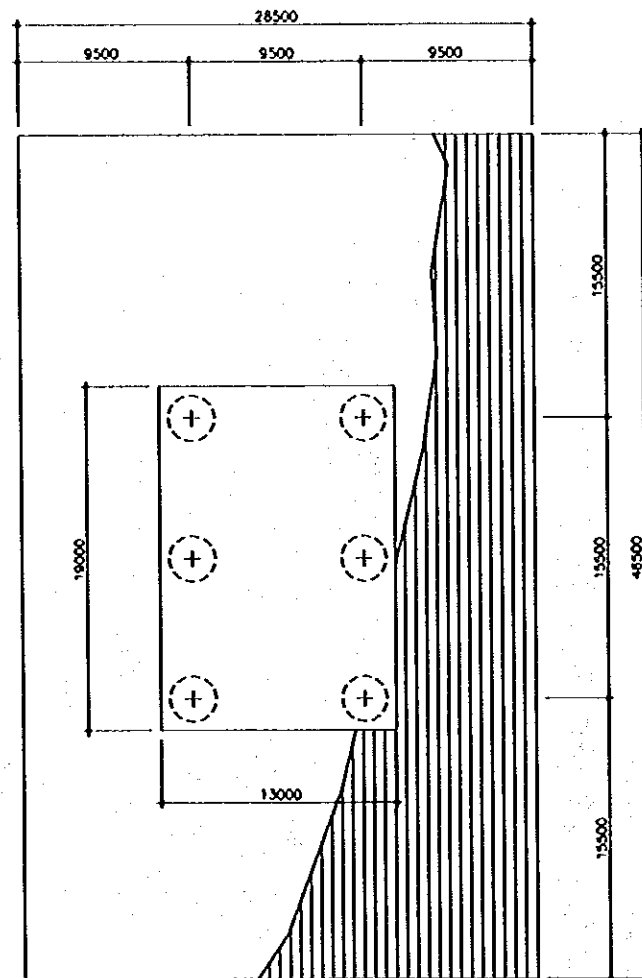


THE STUDY ON CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA (PHASE 2)

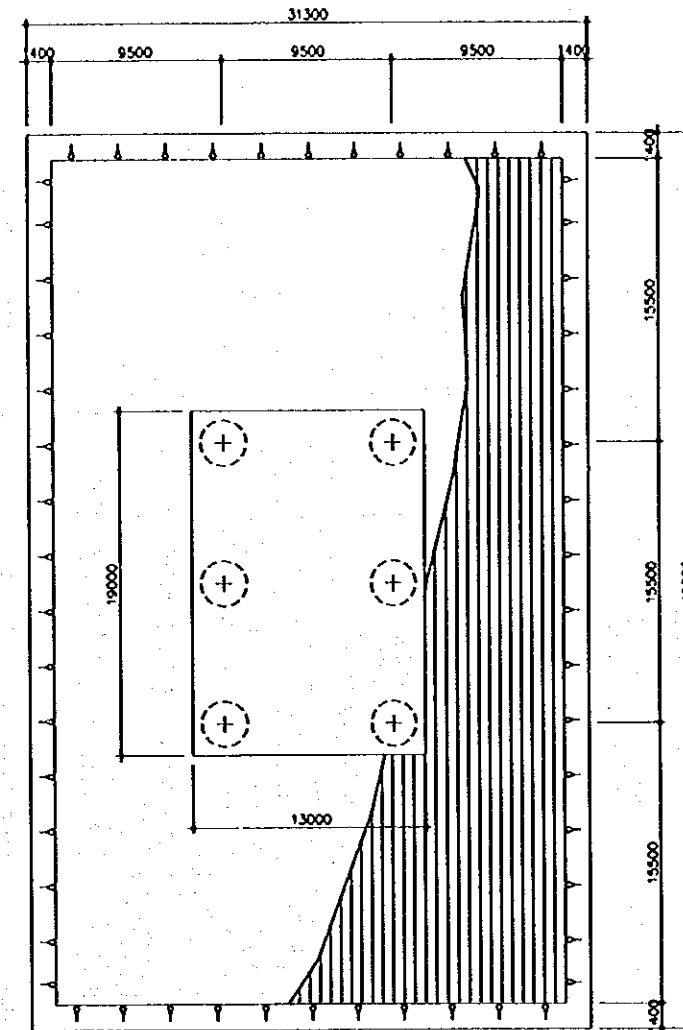
DETAIL OF PROTECTION OF PIER

SHEET
NO.

B-19



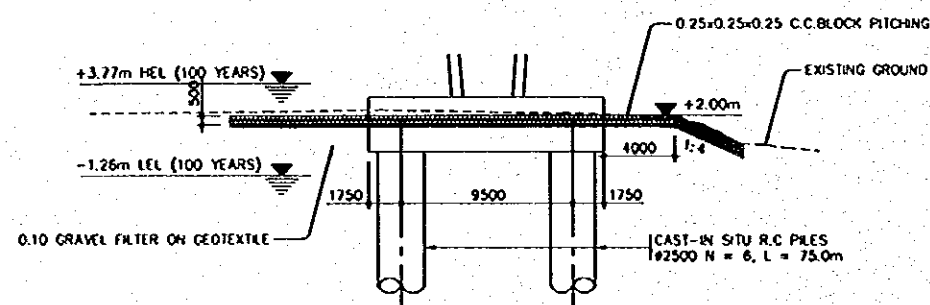
1 PLAN (MP2)
SCALE 1:200



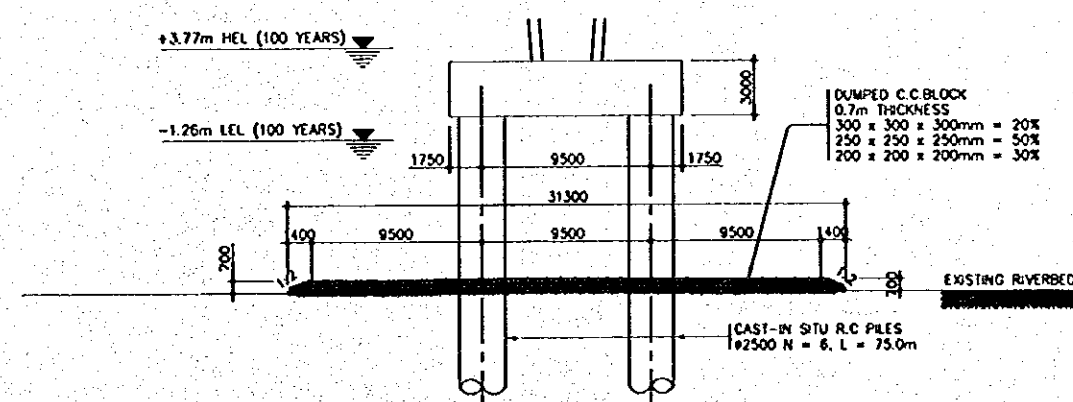
2 PLAN (MP3-MP6)
SCALE 1:200

NOTES:

1. THICKNESS OF C.C. BLOCK IS THE MINIMUM ACCEPTABLE VALUES TO BE ACHIEVED IN CONSTRUCTION.
2. QUOTED SCALES ARE CORRECT WHEN DRAWING IS REPRODUCED AT A1 SIZE.
3. ALL DIMENSIONS AND LEVELS ARE IN METERS.



3 ELEVATION (MP2)
SCALE 1:200



4 ELEVATION (MP3-MP6)
SCALE 1:200

DUMPED C.C. BLOCK
0.7m THICKNESS
300 x 300 x 300mm = 20%
250 x 250 x 250mm = 30%
200 x 200 x 200mm = 30%

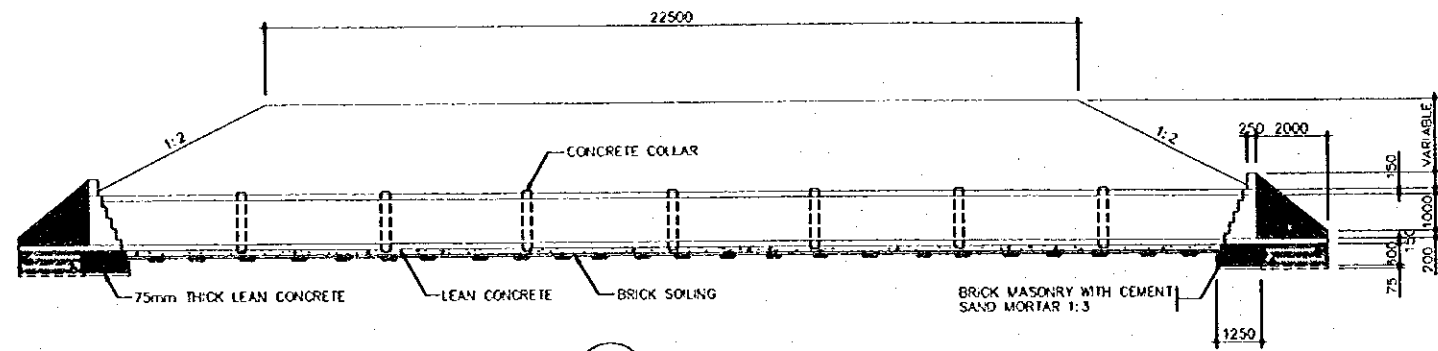
C. ANCILLARY WORK

THE STUDY ON CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA (PHASE 2)

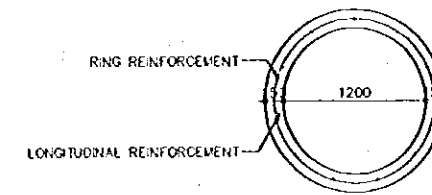
DRAINAGE (Pipe Culvert)

SHEET
NO.

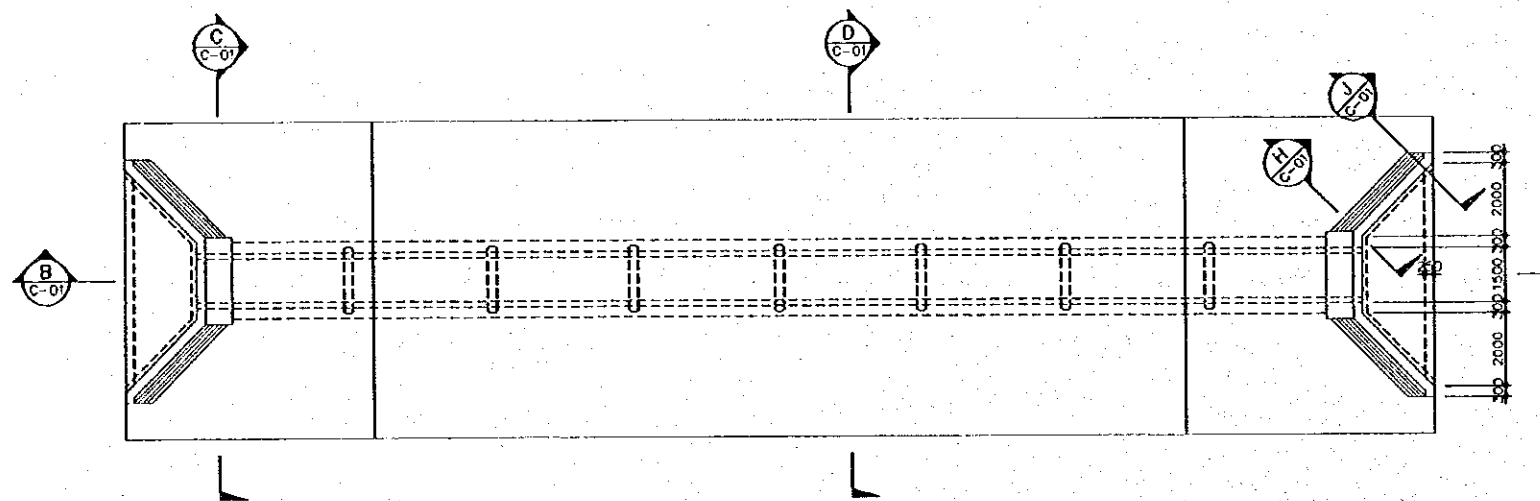
C-01



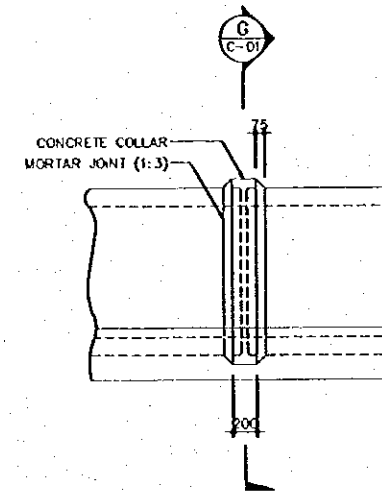
B SECTION AT B-B
C-01 SCALE 1:100



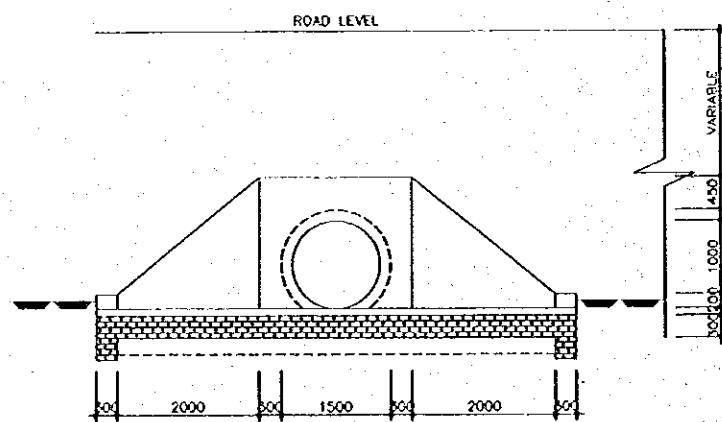
E REINFORCEMENT DETAIL OF PIPE
C-01 SCALE 1:40



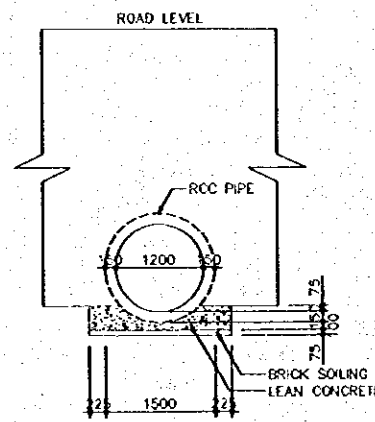
A PLAN
C-01 SCALE 1:100



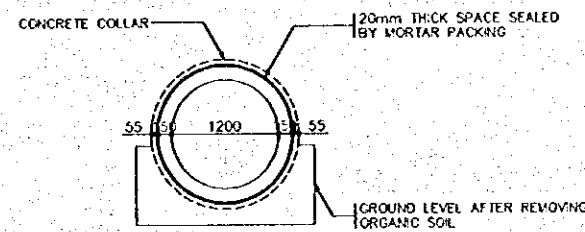
F DETAILS OF CONCRETE COLLAR JOINT
C-01 SCALE 1:40



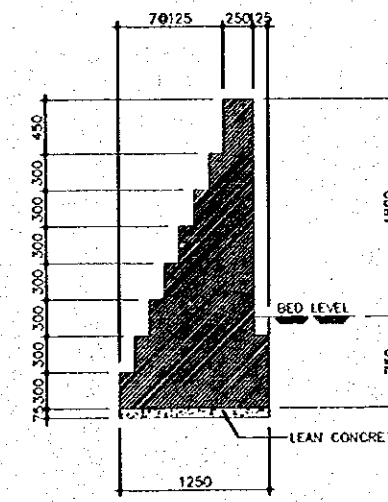
C ELEVATION OF HEAD WALL
C-01 SCALE 1:50



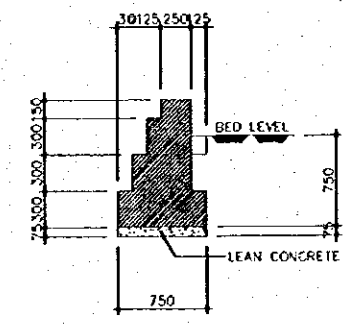
D SECTION AT D-D
C-01 SCALE 1:50



G SECTION G-G
C-01 SCALE 1:40



H SECTION H-H
C-01 SCALE 1:30



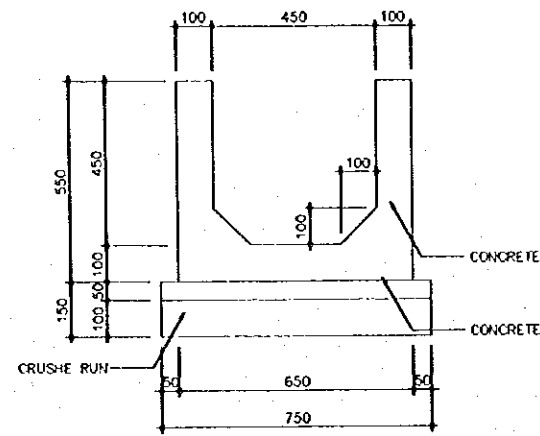
J SECTION J-J
C-01 SCALE 1:30

THE STUDY ON CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA (PHASE 2)

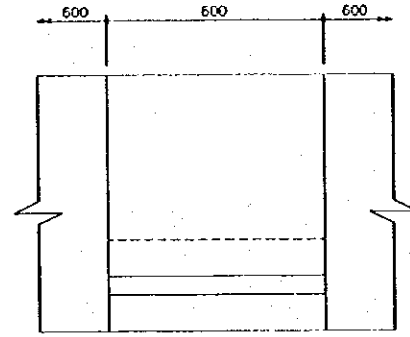
DRAINAGE (Inlet and Ditch 1)

SHEET
NO.

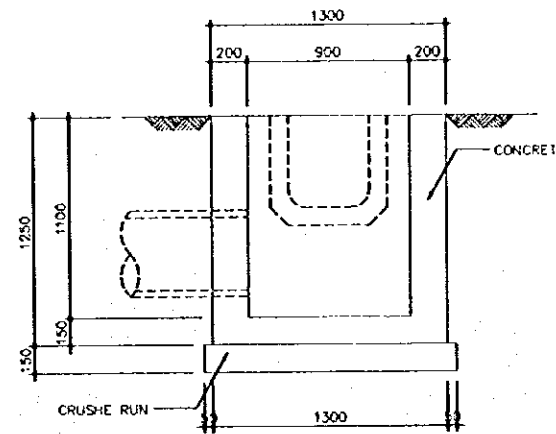
C-02



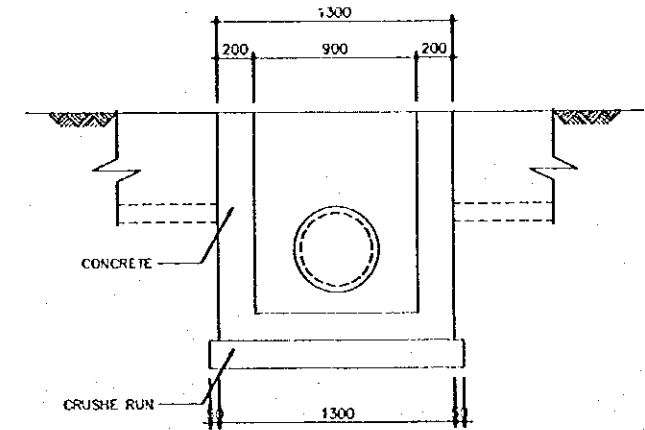
A CROSS-SECTION
C-02 SCALE 1:10



B PROFILE
C-02 SCALE 1:10

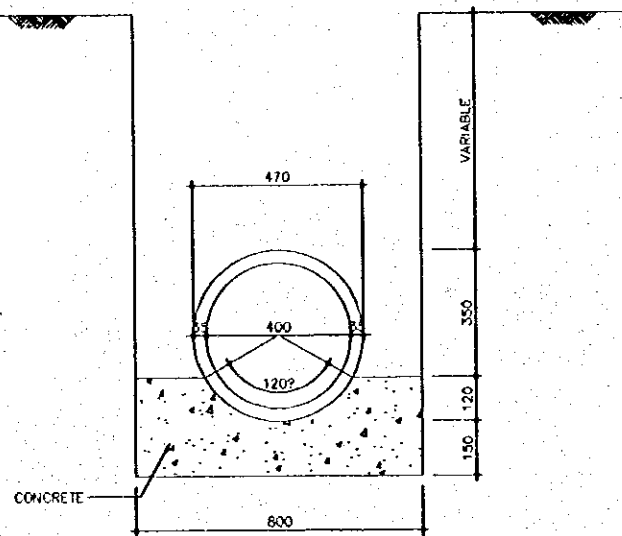


D SECTION D-D
C-02 SCALE 1:20

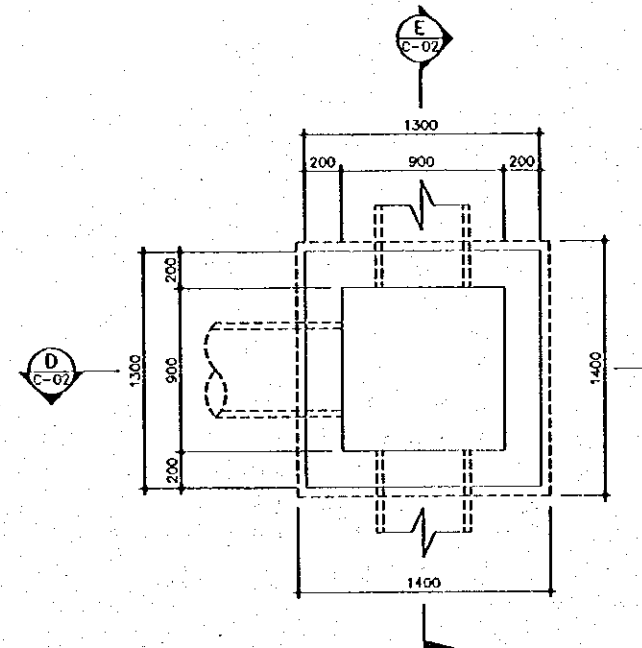


E SECTION E-E
C-02 SCALE 1:20

1 DITCH (TYPE-A)
C-02 SCALE AS SHOWN



2 CONCRETE PIPE (Ø400)
C-02 SCALE 1:10



C PLAN
C-02 SCALE 1:20

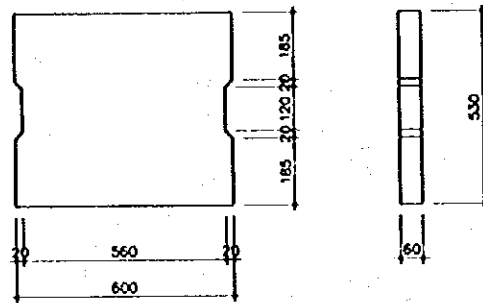
3 INLET (TYPE-A)
C-02 SCALE 1:20

THE STUDY ON CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA (PHASE 2)

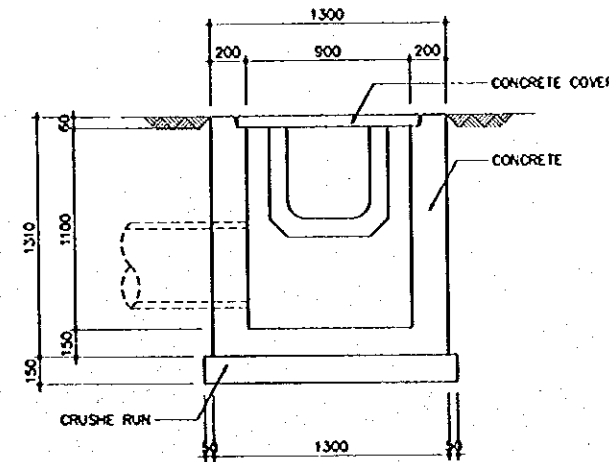
DRAINAGE (Inlet and Ditch 2)

SHEET
NO.

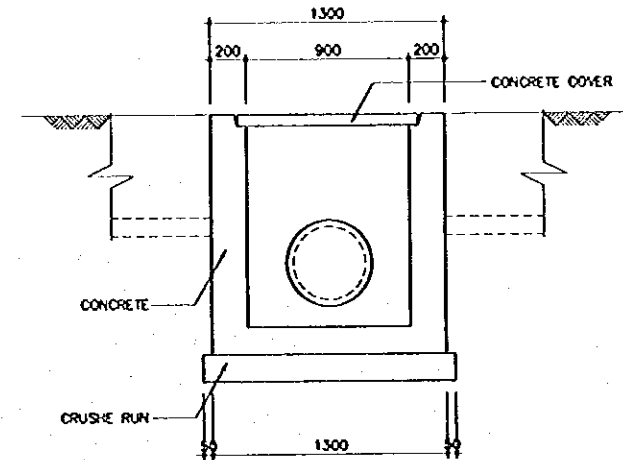
C-03



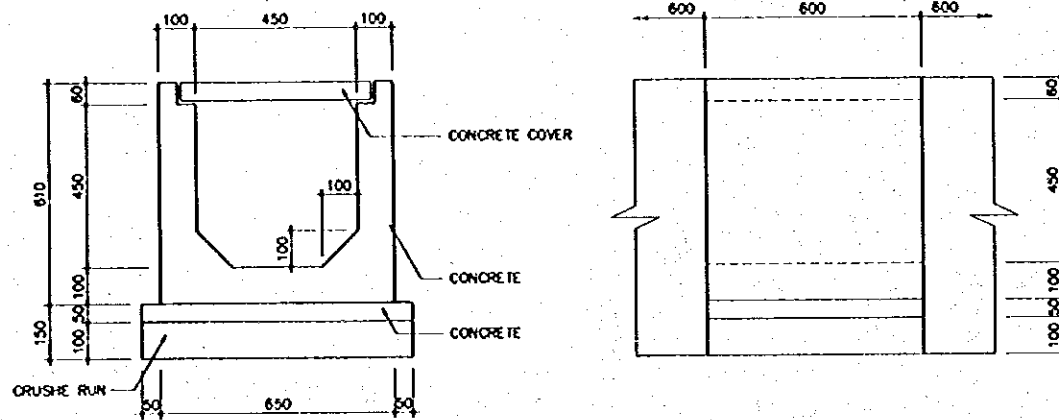
C CONCRETE COVER
C-03 SCALE 1:10



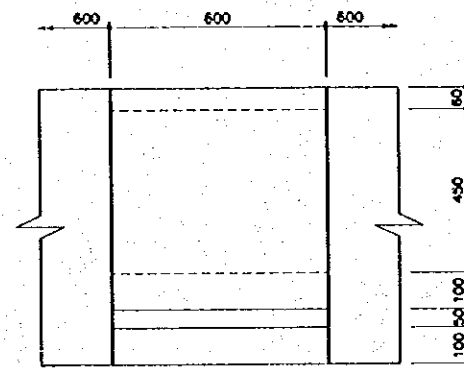
E SECTION E-E
C-03 SCALE 1:20



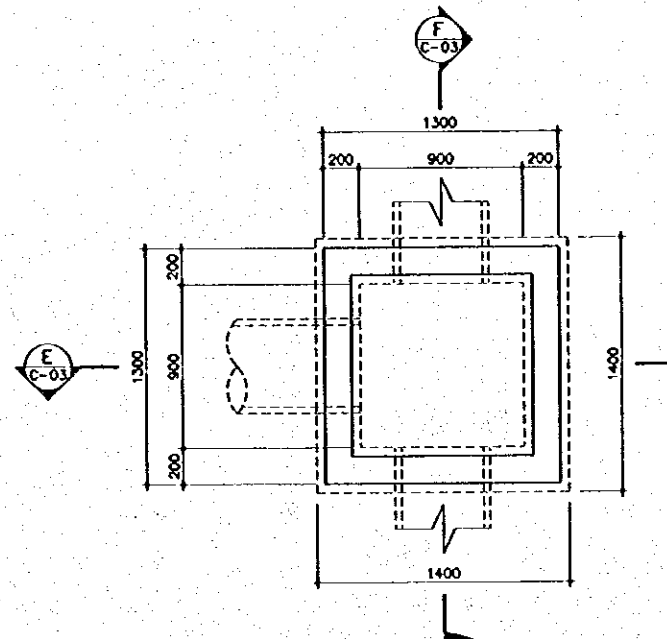
F SECTION F-F
C-03 SCALE 1:20



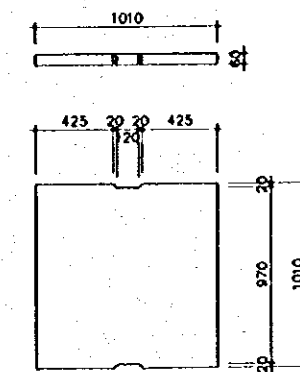
A CROSS-SECTION
C-03 SCALE 1:10



B PROFILE
C-03 SCALE 1:10



D PLAN
C-03 SCALE 1:20



G CONCRETE COVER
C-03 SCALE 1:20

1 DITCH (TYPE-B)
C-03 SCALE AS SHOWN

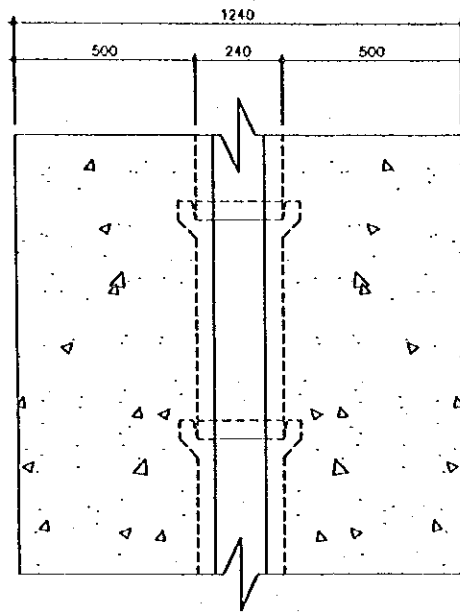
2 INLET (TYPE-B)
C-03 SCALE AS SHOWN

THE STUDY ON CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA (PHASE 2)

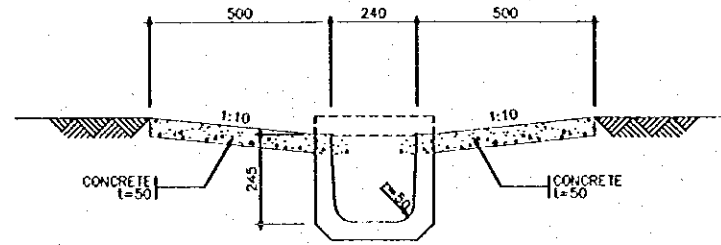
DRAINAGE (Inlet and Ditch 3)

SHEET
NO.

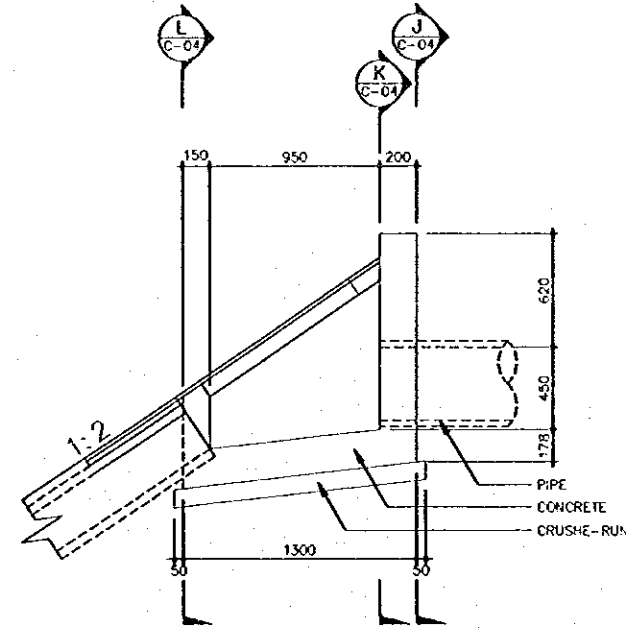
C-04



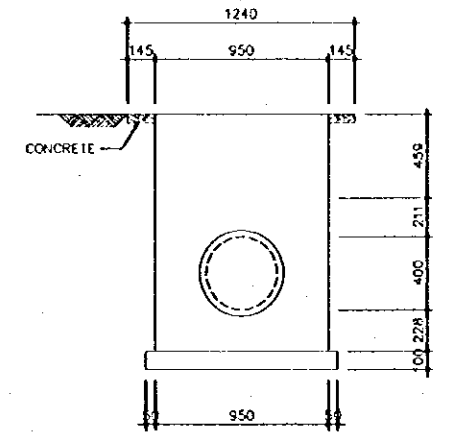
A PLAN
C-04 SCALE 1:10



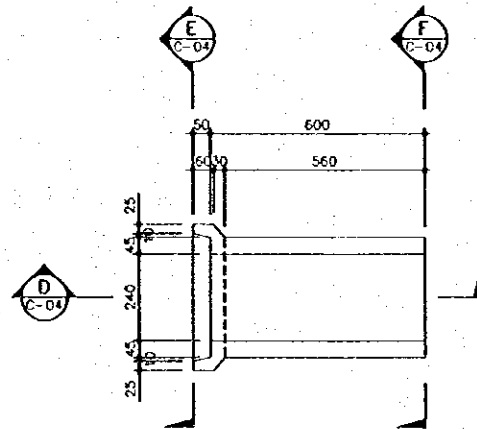
B CROSS-SECTION
C-04 SCALE 1:10



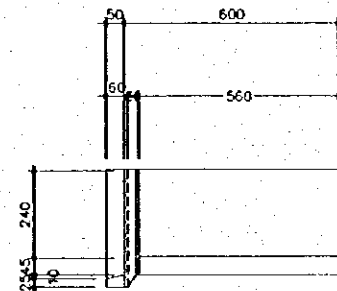
G PROFILE
C-04 SCALE 1:20



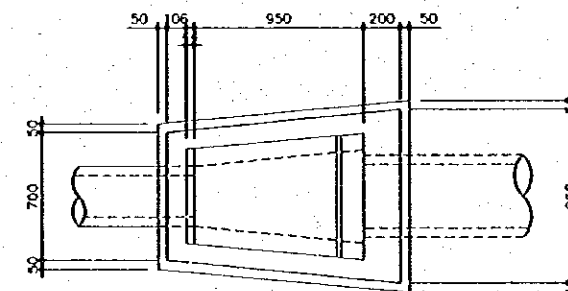
J SECTION
C-04 SCALE 1:20



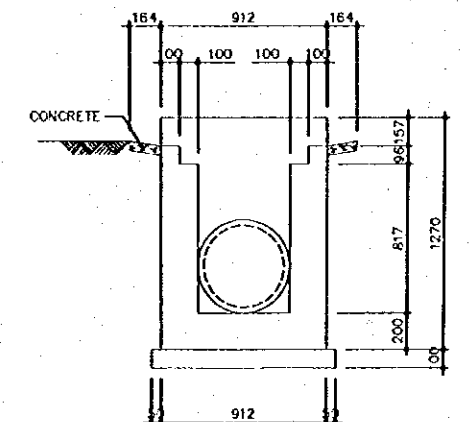
C SECTION
C-04 SCALE 1:10



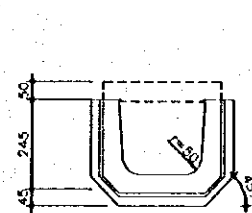
D SECTION
C-04 SCALE 1:10



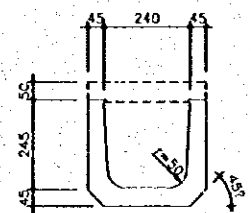
H PLAN
C-04 SCALE 1:20



K SECTION
C-04 SCALE 1:20



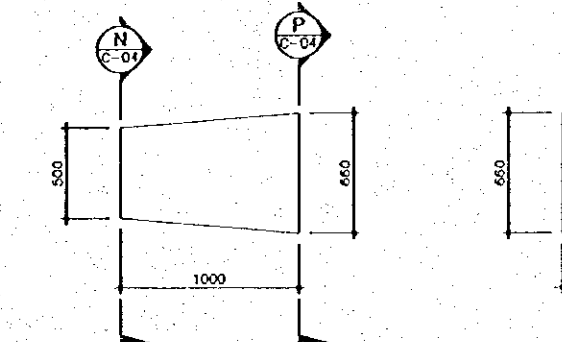
E SECTION
C-04 SCALE 1:10



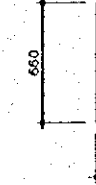
F SECTION
C-04 SCALE 1:10



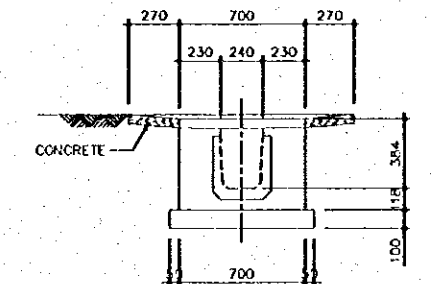
N SECTION
C-04 SCALE 1:20



M CONCRETE COVER PLAN
C-04 SCALE 1:20



P SECTION
C-04 SCALE 1:20



L SECTION
C-04 SCALE 1:20

1 DITCH (TYPE-C)
C-04 SCALE AS SHOWN

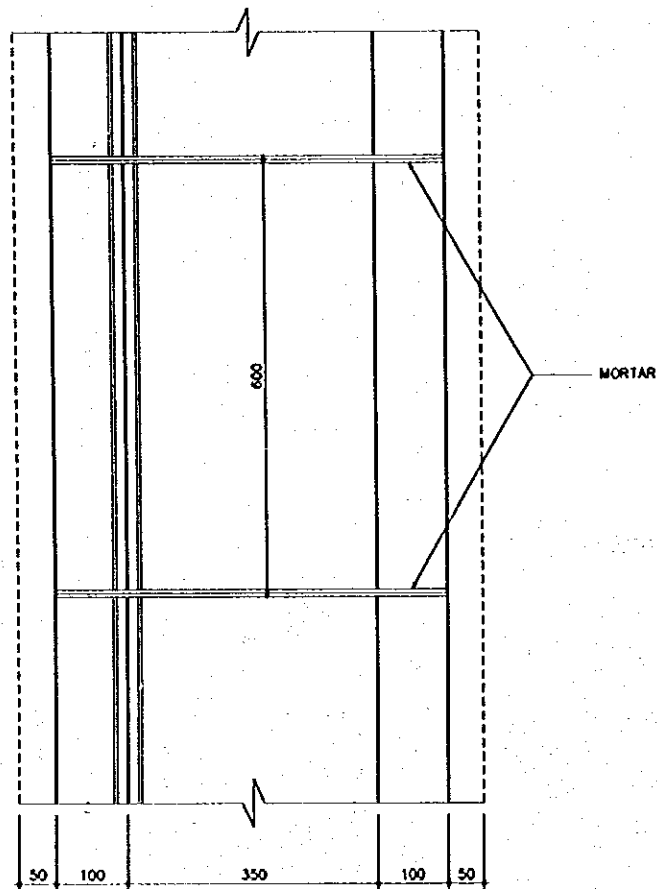
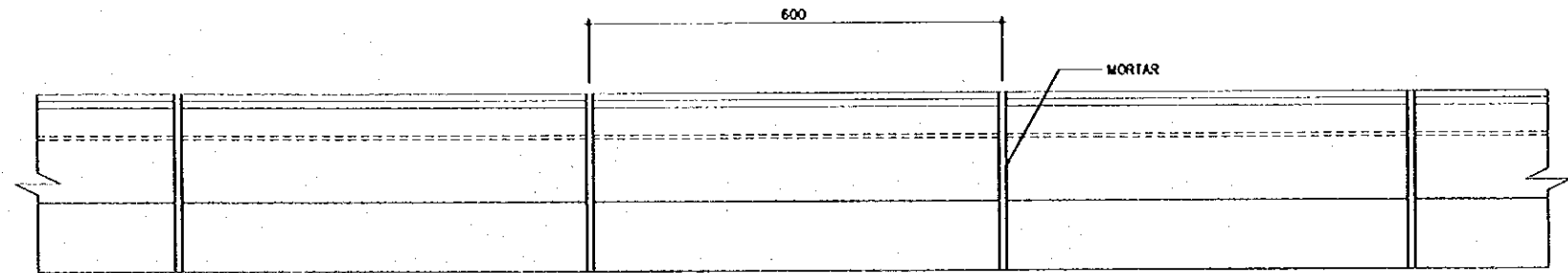
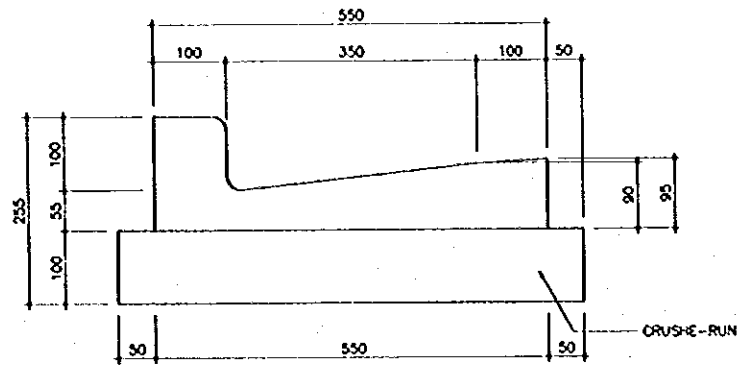
2 INLET (TYPE-C)
C-04 SCALE AS SHOWN

THE STUDY ON CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA (PHASE 2)

DRAINAGE (Concrete Curb)

SHEET
NO.

C-05



1 CONCRETE CURB
C-05 SCALE 1:5

THE STUDY ON CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA (PHASE 2)

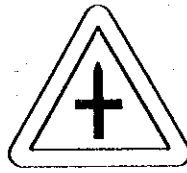
ROAD SIGNS (Regulatory , Warning)

SHEET
NO.

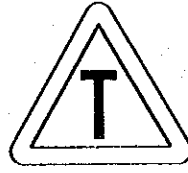
C-06



ROAD FROM LEFT



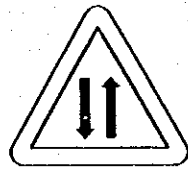
CROSS ROAD



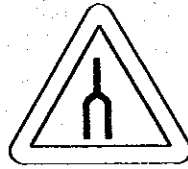
T JUNCTION



PEDESTRIAN CROSSING



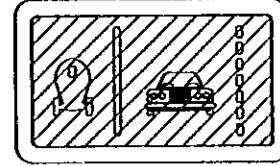
TWO WAY TRAFFIC



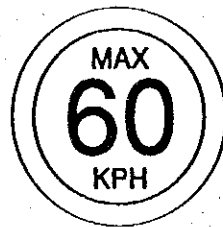
DUAL CARRIAGEWAY ENDS



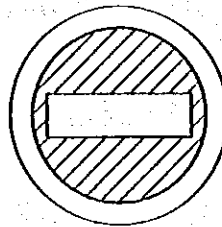
REDUCE SPEED NOW



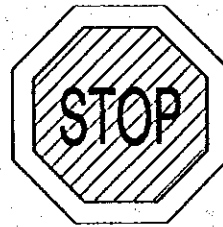
LANE REGULATION



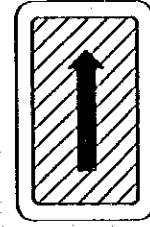
SPEED LIMIT



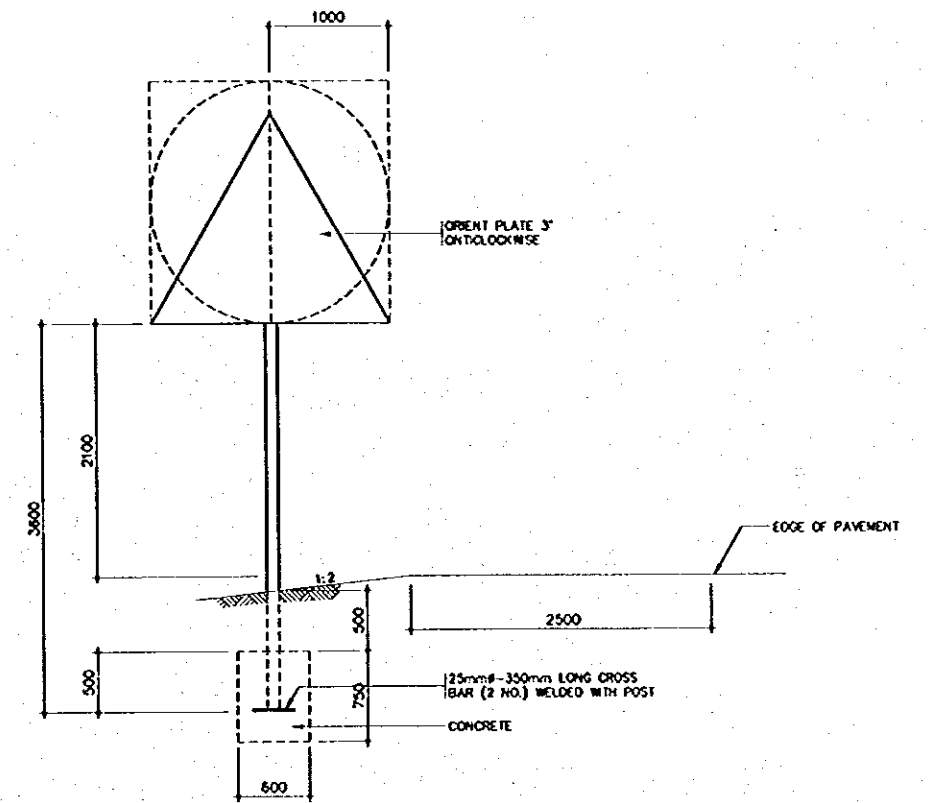
NO ENTRY



STOP



ONE WAY



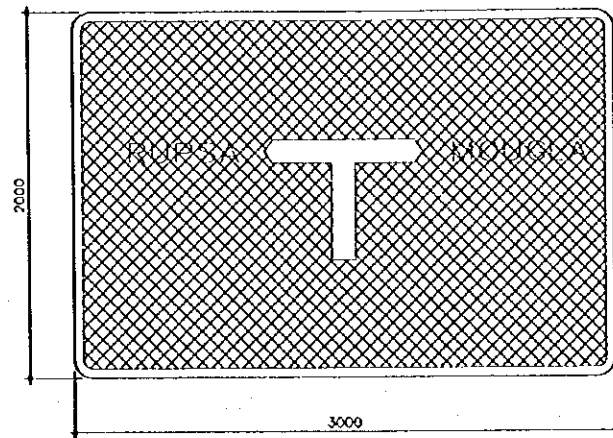
1 TYPICAL SIGNS (Regulatory, Warning)
C-06 SCALE 1:30

THE STUDY ON CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA (PHASE 2)

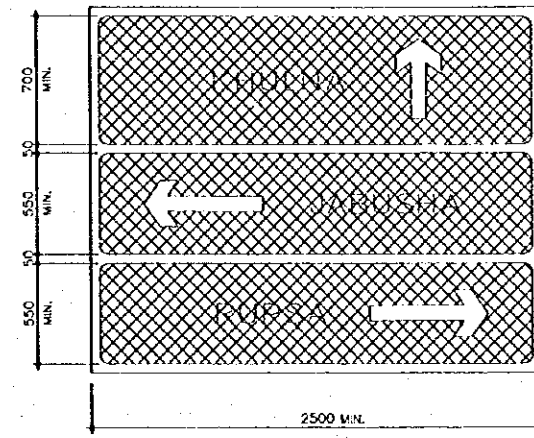
Road Signs (Guide)

SHEET
NO.

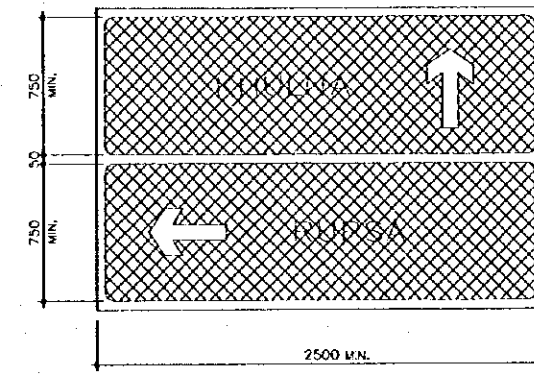
C-07



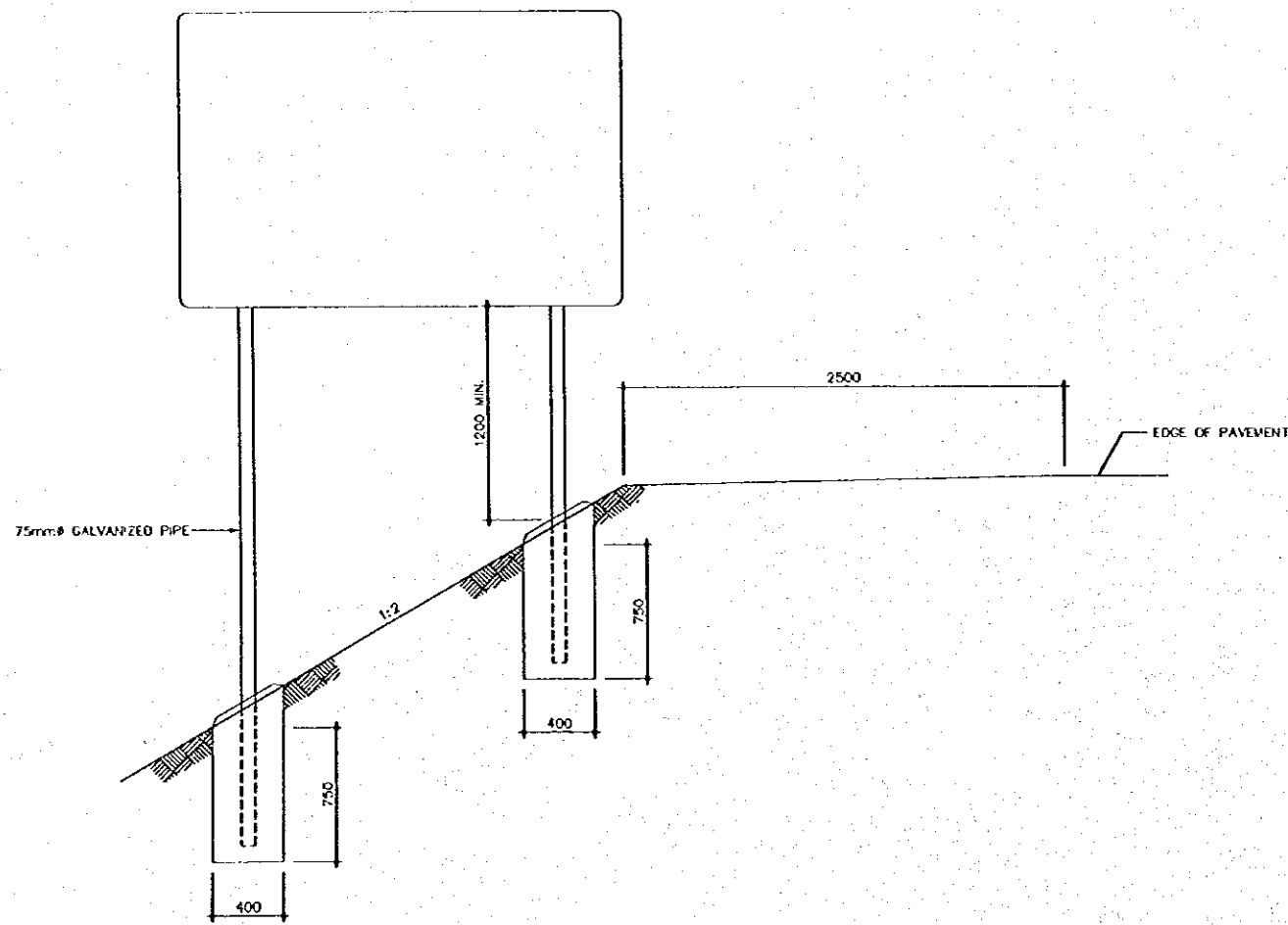
TYPICAL GUIDE SIGN BOARD (TYPE-A)
(X-HEIGHT=125)



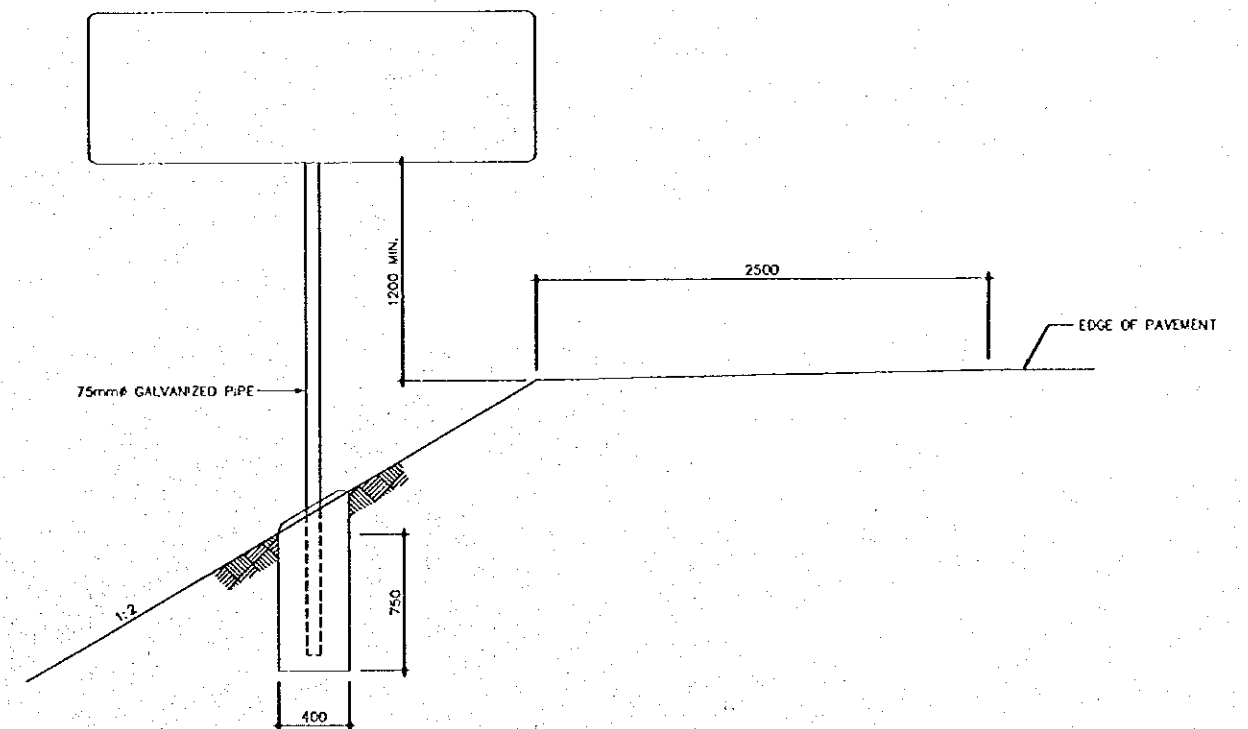
TYPICAL GUIDE SIGN BOARD (TYPE-B)
(X-HEIGHT=100)



TYPICAL GUIDE SIGN BOARD (TYPE-C)
(X-HEIGHT=100)



1 TYPICAL GUIDE SIGN (TYPE-A)
C-07 SCALE 1:20



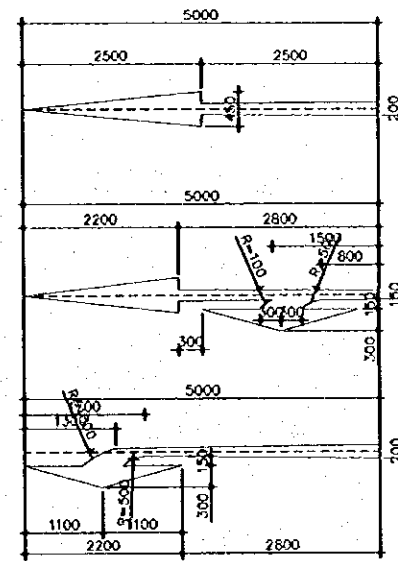
2 TYPICAL GUIDE SIGN (TYPE-B)
C-07 SCALE 1:20

THE STUDY ON CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA (PHASE 2)

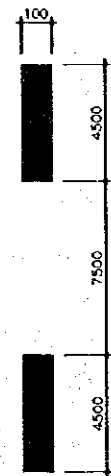
Traffic Markings

SHEET
NO.

C-08



PAVEMENT ARROWS



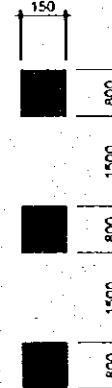
SINGLE SEPARATOR LINE
(WHITE)



EDGE LINE (WHITE)



STOP LINE (WHITE)



CONTINUITY LINE (WHITE)



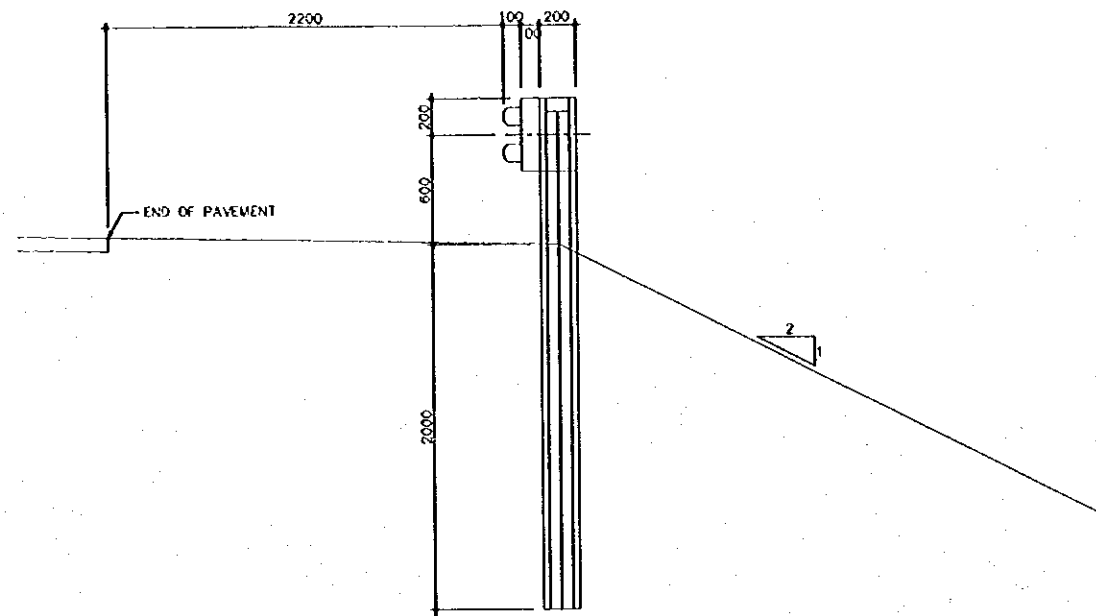
DIVERGING ANGLE

THE STUDY ON CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA (PHASE 2)

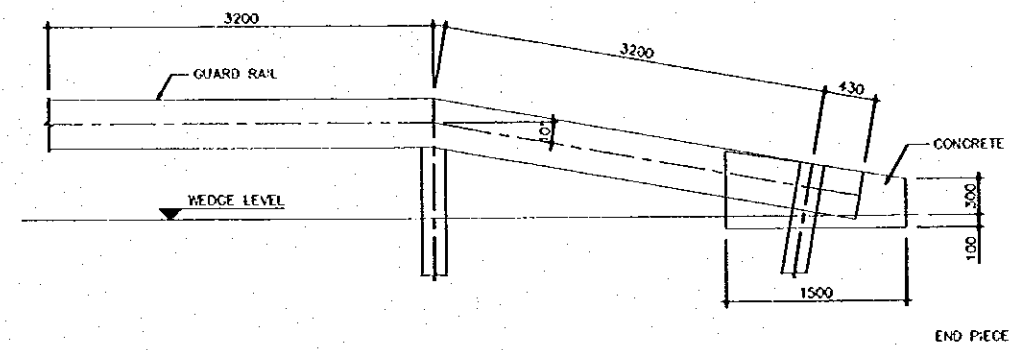
Guard Rail

SHEET
NO.

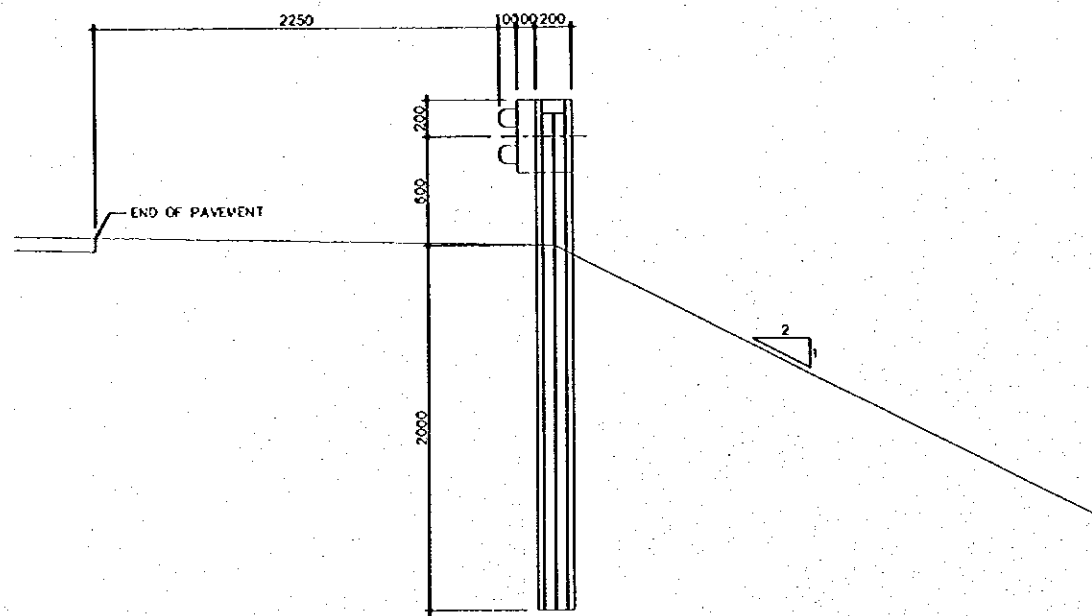
C-09



1 TYPE A
C-09 SCALE 1:20



3 ELEVATION OF GUARD RAIL AT ENDS
C-09 SCALE 1:30



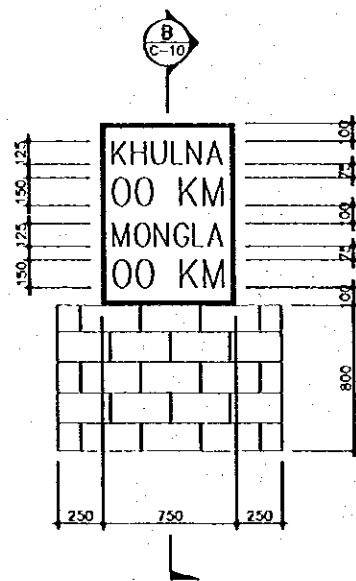
2 TYPE B
C-09 SCALE 1:20

THE STUDY ON CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA (PHASE 2)

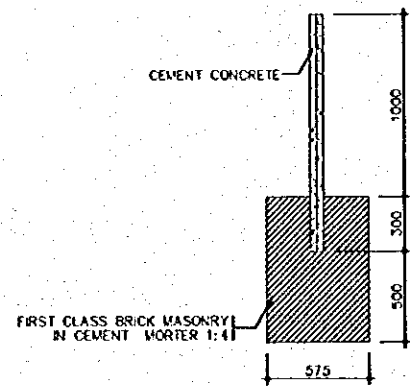
Kilometer Post

SHEET
NO.

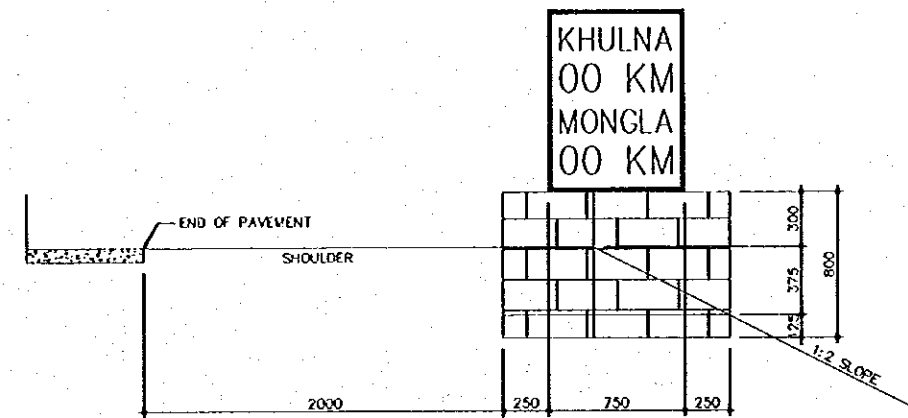
C-10



A PROFILE
C-10 SCALE 1:20



B SECTION B-B
C-10 SCALE 1:20



C TYPE DESIGN FOR Km POST
C-10 SCALE 1:20

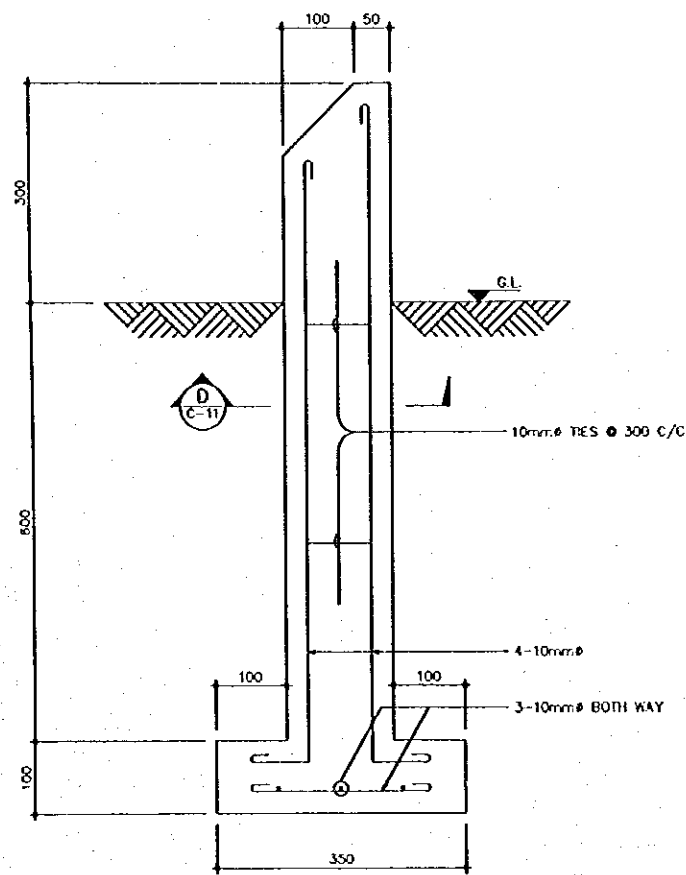
1 KILOMETER POST
C-10 SCALE AS SHOWN

THE STUDY ON CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA (PHASE 2)

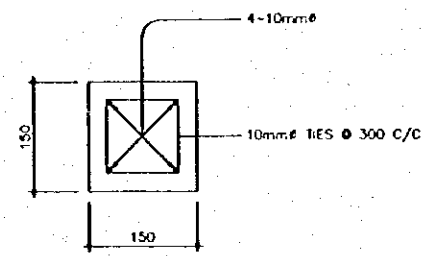
R.O.W. Marker Post

SHEET
NO.

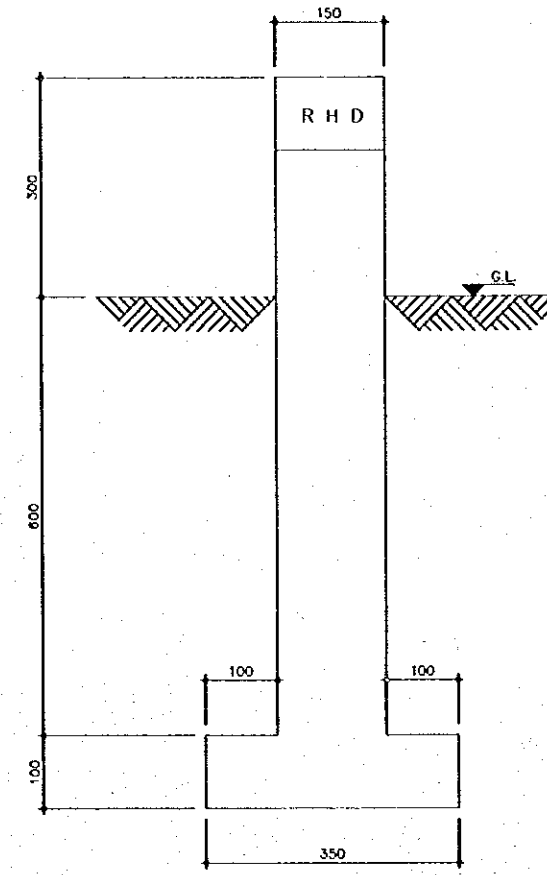
C-11



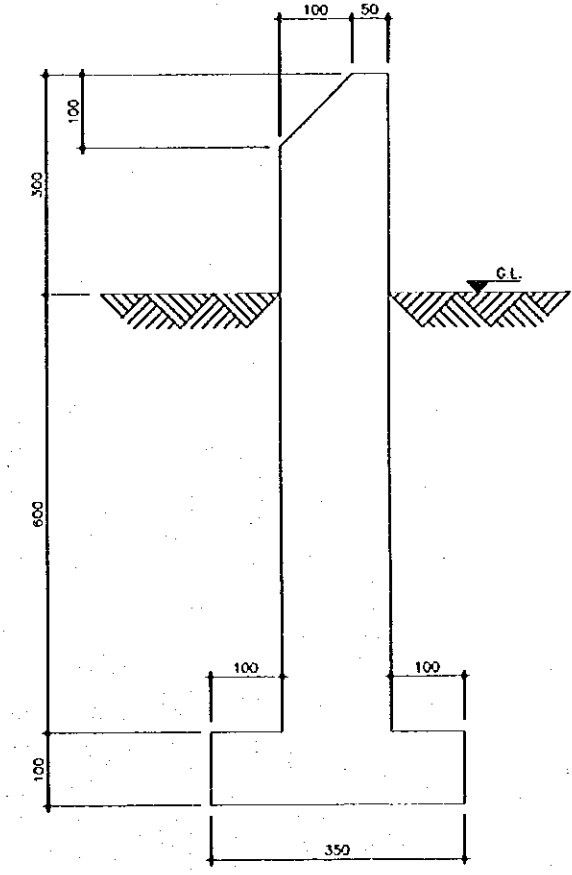
A SECTION C-C
C-11 SCALE 1:5



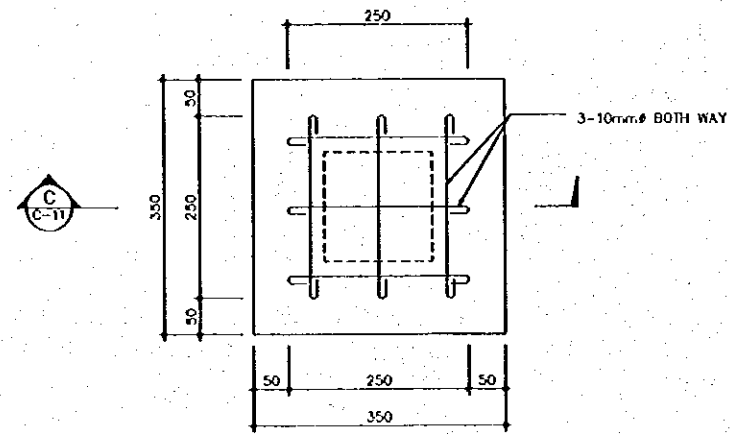
B SECTION D-D
C-11 SCALE 1:5



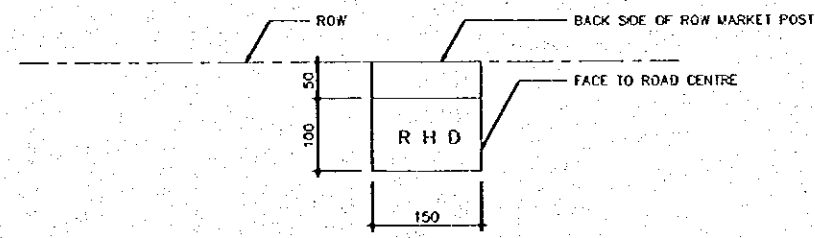
C FRONT VIEW
C-11 SCALE 1:5



D SIDE VIEW
C-11 SCALE 1:5



E PLAN OF FOOTING
C-11 SCALE 1:5



F TOP VIEW
C-11 SCALE 1:5

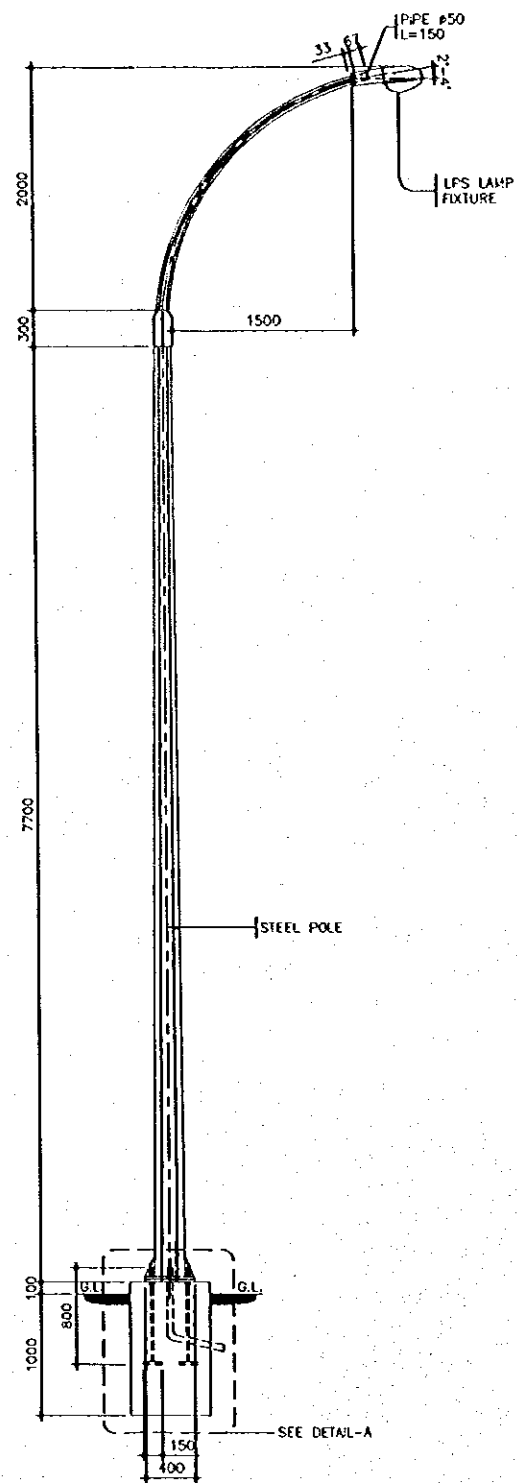
1 RIGHT OF WAY MARKER POST
C-11 SCALE AS SHOWN

THE STUDY ON CONSTRUCTION OF THE BRIDGE
OVER THE RIVER RUPSA IN KHULNA (PHASE 2)

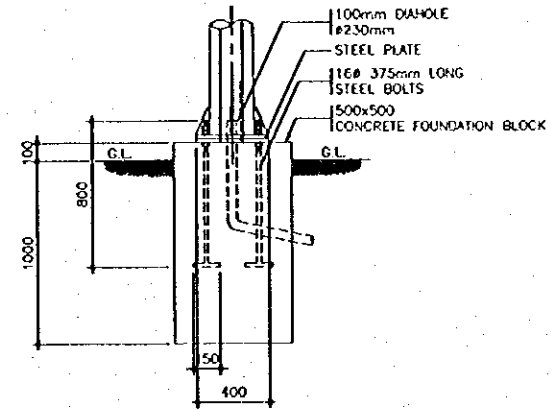
Street Lighting

SHEET
NO.

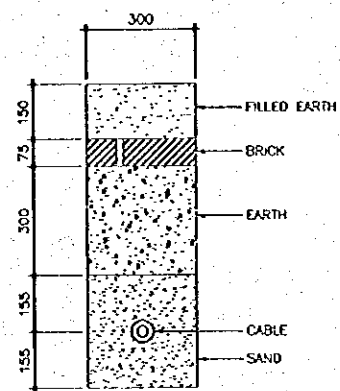
C-12



A LIGHT COLUMN DETAIL
C-12 SCALE 1:30



B DETAIL-A
C-12 SCALE 1:20



C UNDER GROUND CABLE DETAIL
C-12 SCALE 1:10

JICA