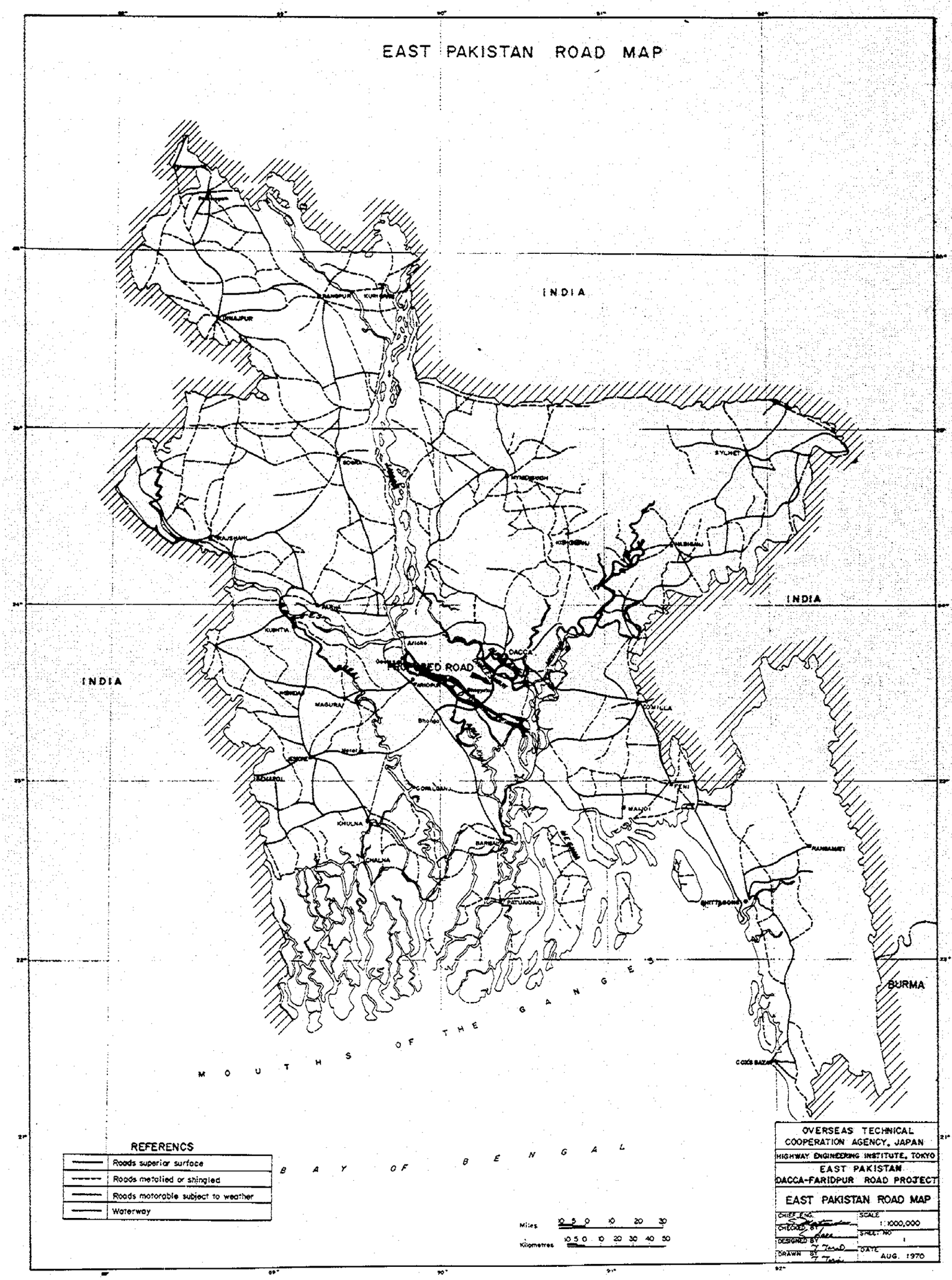
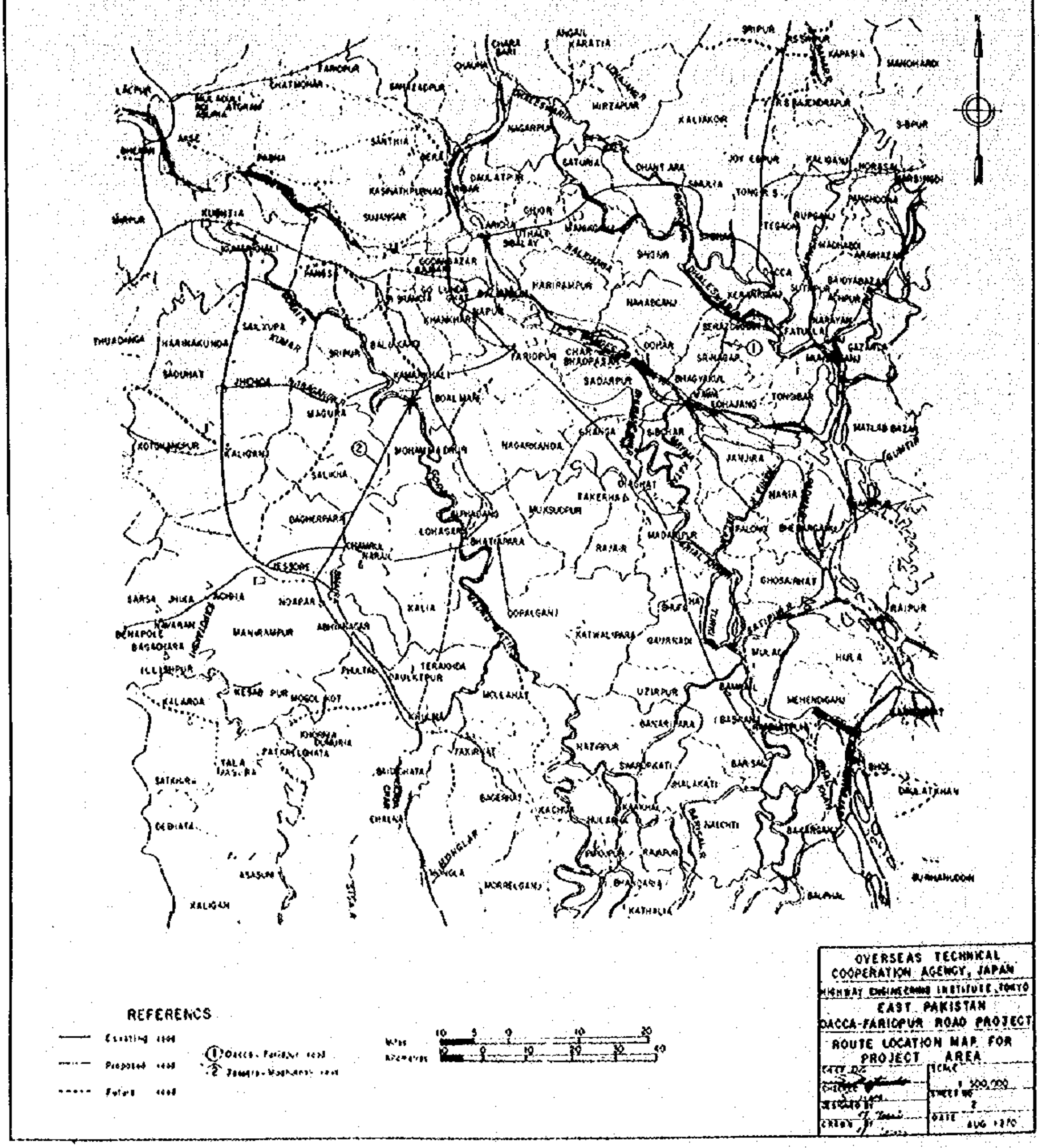
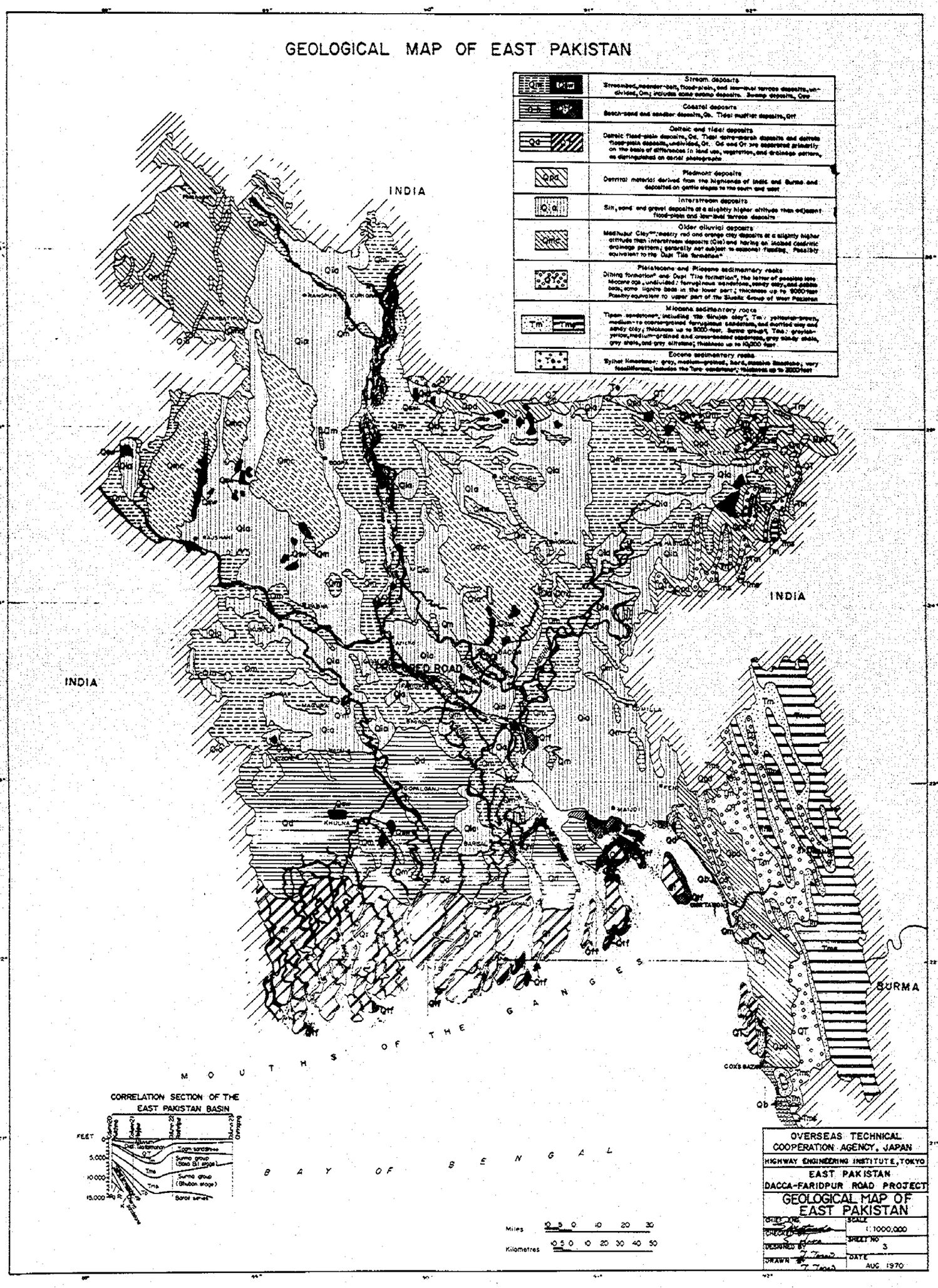
第Ⅲ部　図　面　集

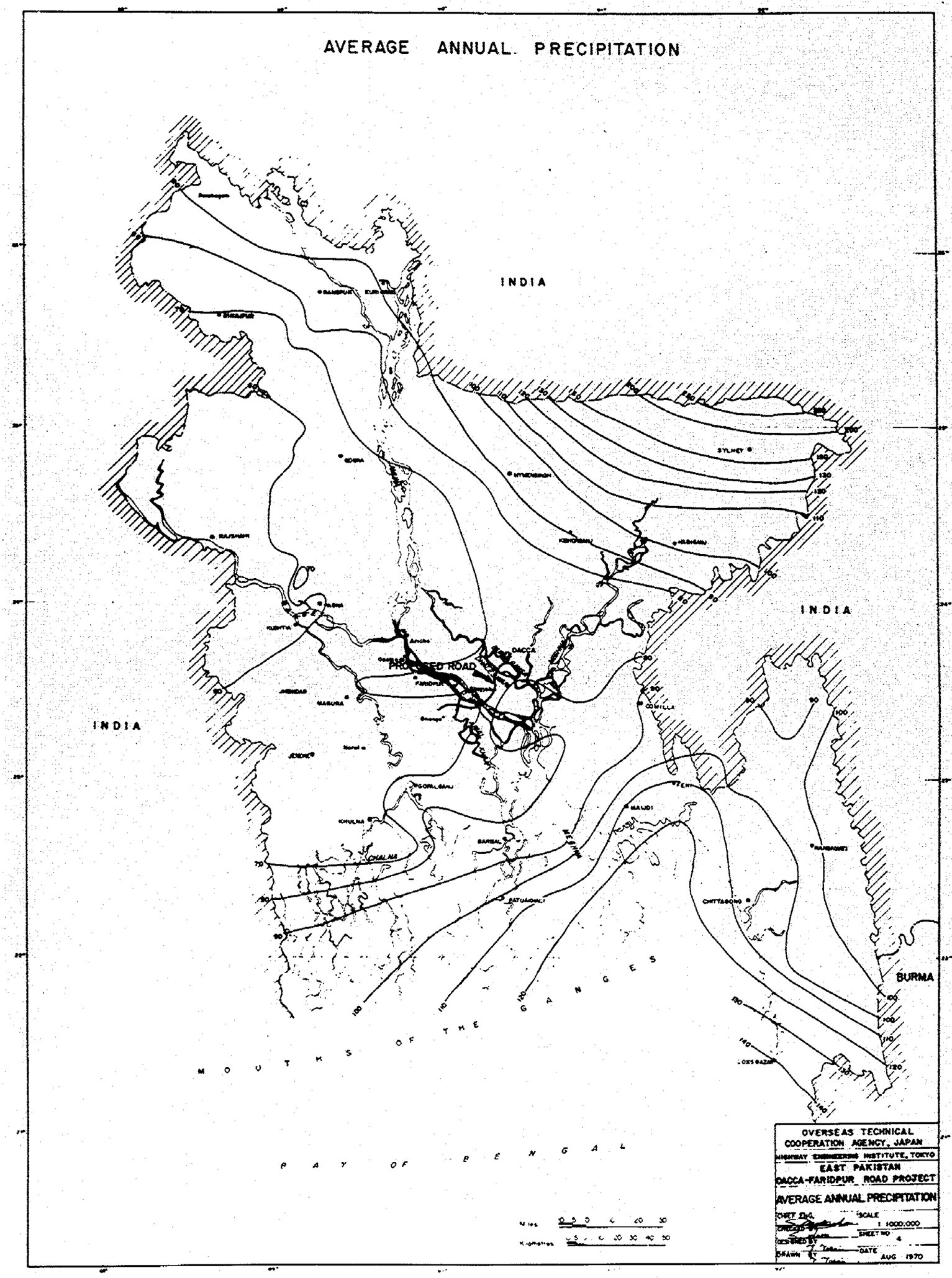

EAST PAKISTAN ROAD MAP
INDIA
INDIA
INDIA
BURMA
PROPOSED ROAD
DACCA
SYLHET
COMILLA
FENI
MAIJDI
RANGAMATI
CHITTAGONG
COX'S BAZAR
KHULNA
CHALNA
BARISAL
PATUAKHALI
GOPALGANJ
MAGURA
KUSHTIA
RAJSHAHI
RANGPUR
KURIGRAM
DINAJPUR
MYMENSINGH
KISHORGANJ
NASIGANJ
MOUTHS OF THE GANGES
BAY OF BENGAL
REFERENCS
Roads superior surface
Roads metalled or shingled
Roads motorable subject to weather
Waterway
Miles 10 5 0 10 20 30
Kilometres 10 5 0 10 20 30 40 50
OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN
HIGHWAY ENGINEERING INSTITUTE, TOKYO
EAST PAKISTAN
DACCA-FARIDPUR ROAD PROJECT
EAST PAKISTAN ROAD MAP
CHIEF ENG.
CHECKED BY
DESIGNED BY
DRAWN BY
SCALE 1:1000,000
SHEET NO 1
DATE AUG. 1970

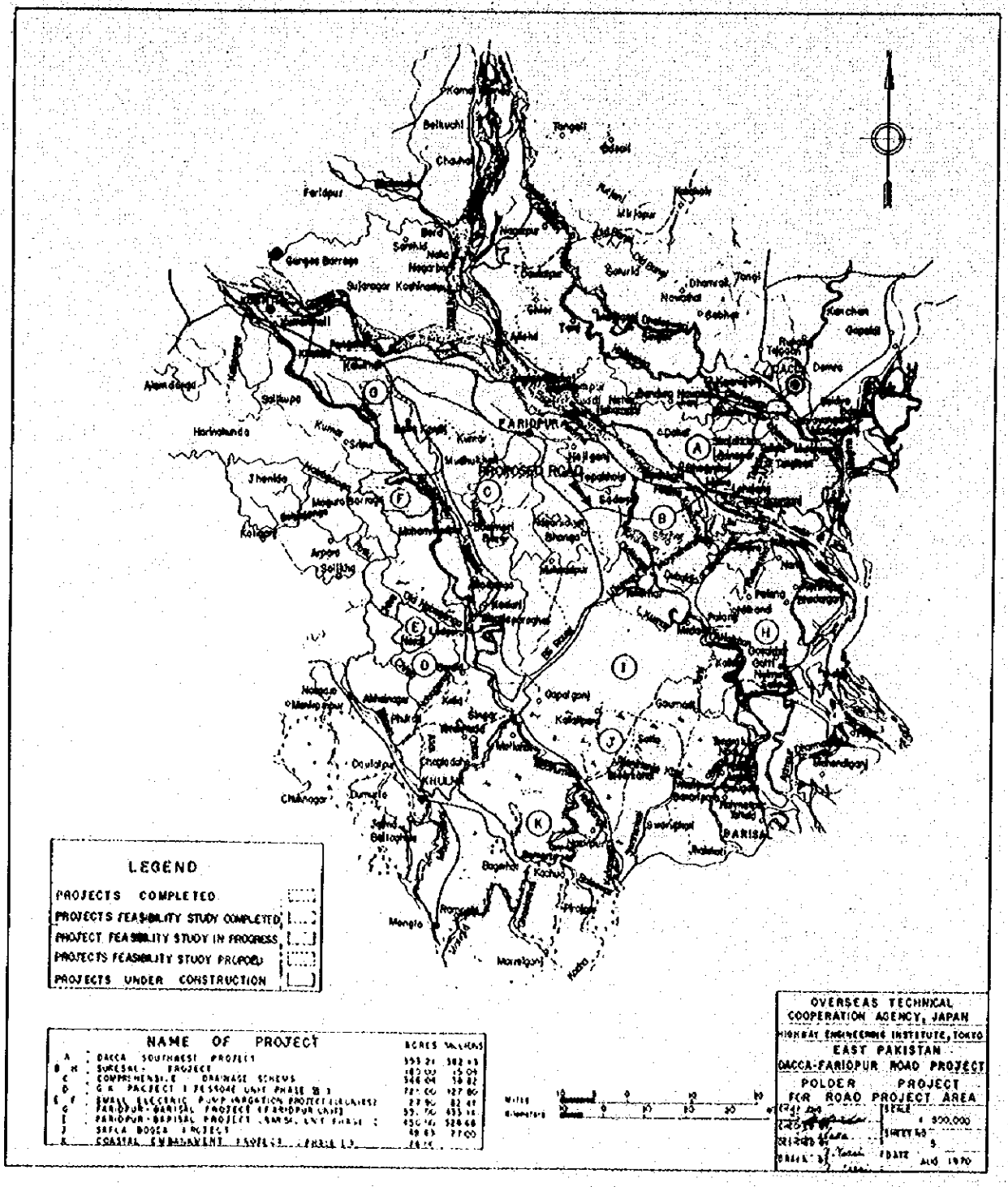
ROUTE LOCATION MAP FOR PROJECT AREA



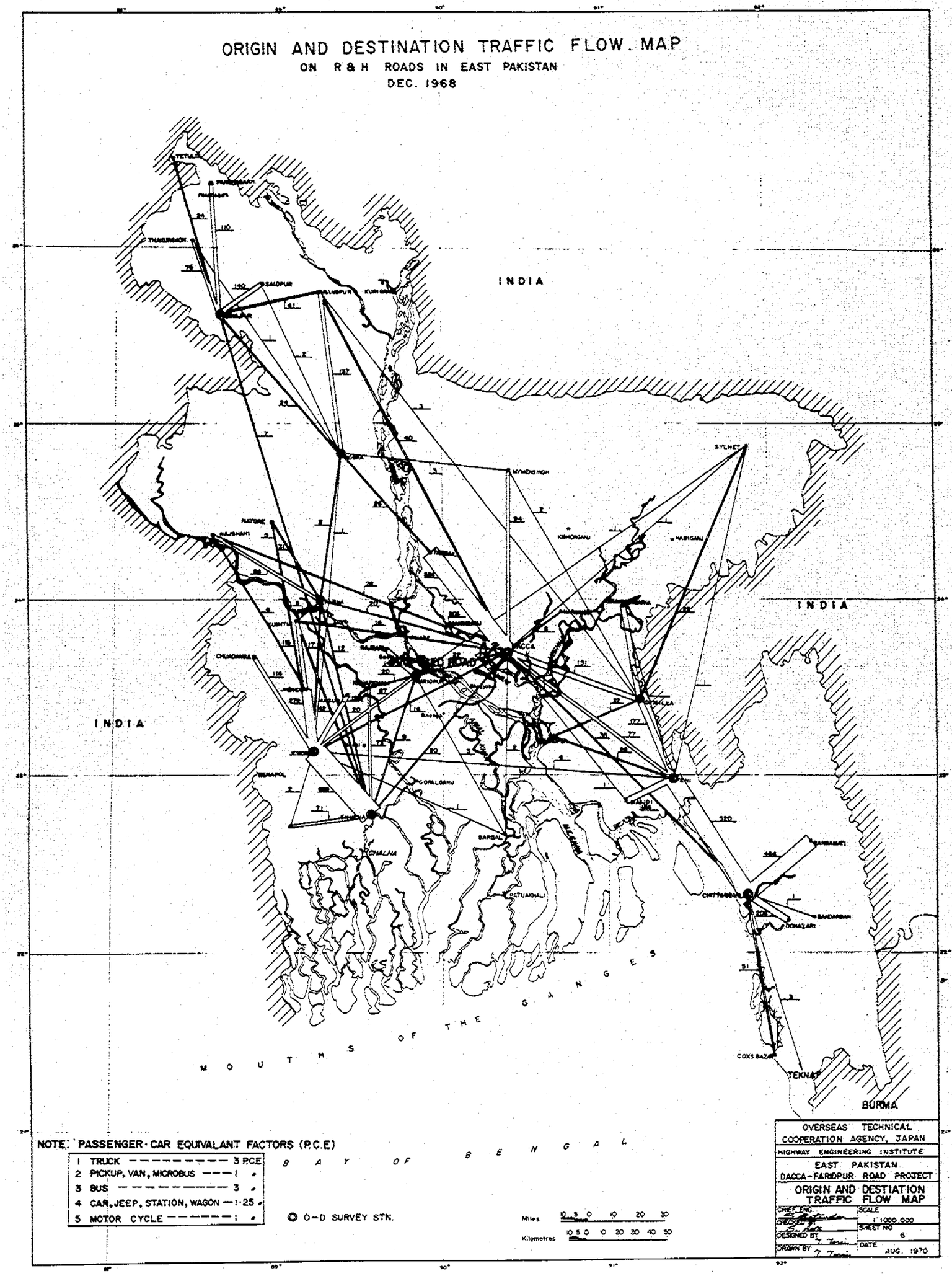
GEOLOGICAL MAP OF EAST PAKISTAN

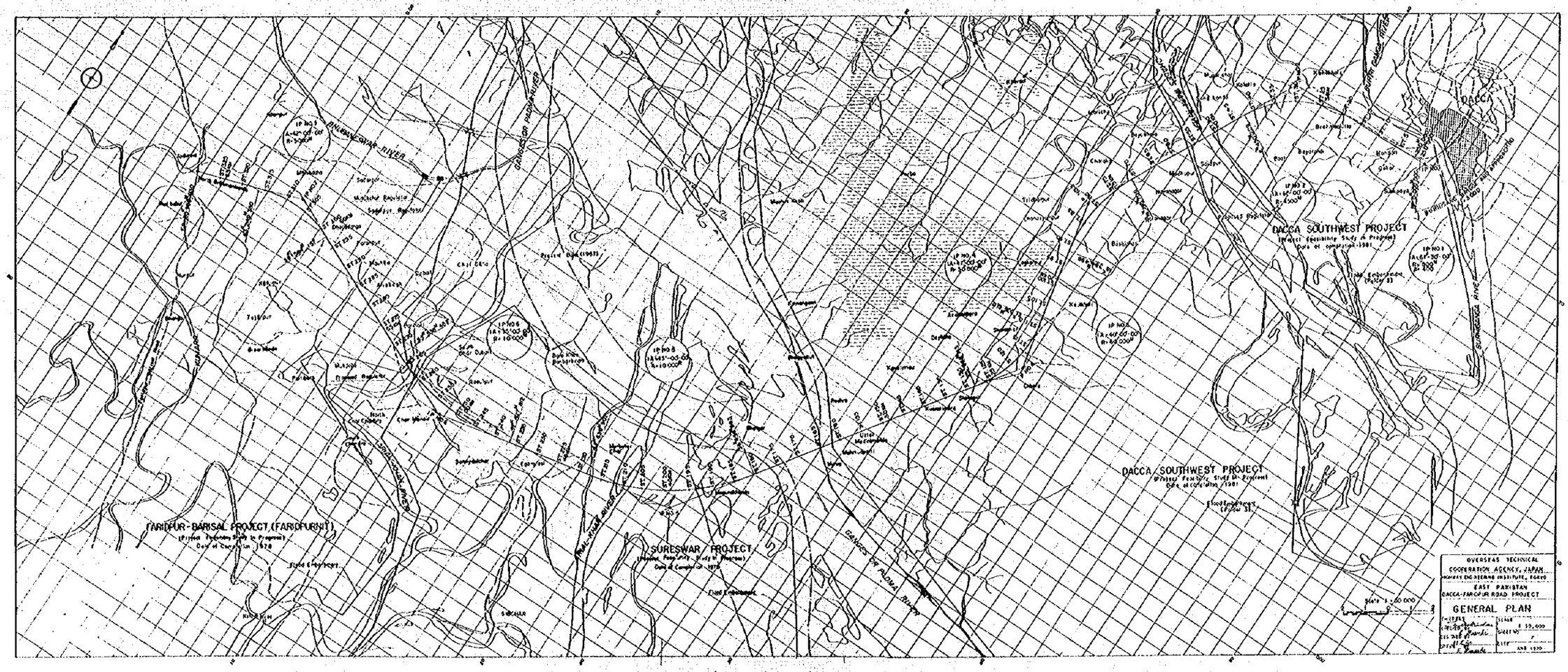


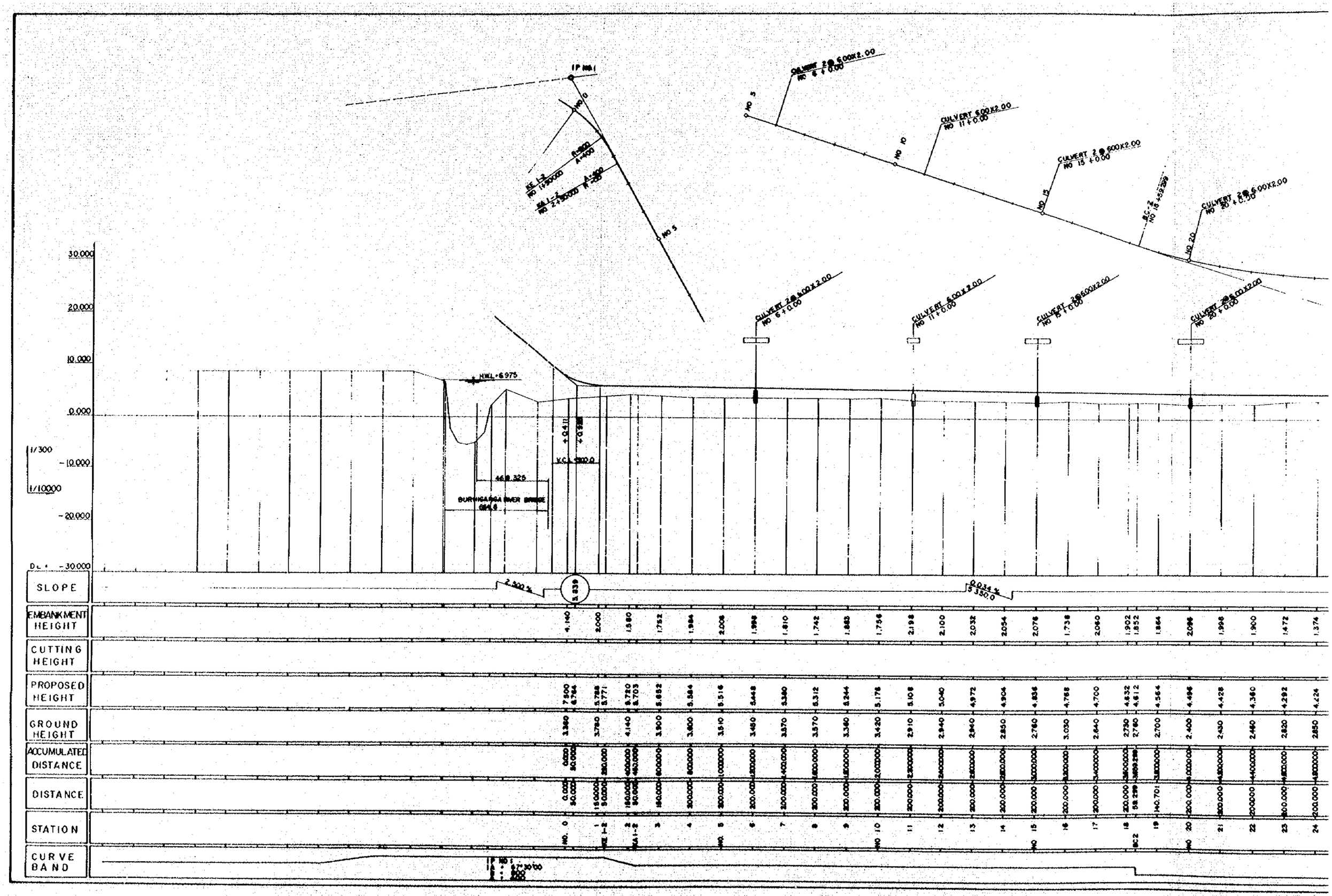

AVERAGE ANNUAL PRECIPITATION
INDIA
INDIA
INDIA
BURMA
PROPOSED ROAD
DACCA
SYLHET
COMILLA
CHITTAGONG
KHULNA
BARISAL
MAGURA
JESSORE
FARIDPUR
RAJSHAHI
KUSHTIA
GOPALGANJ
PATUAKHALI
MAIJDI
FENI
RANGAMATI
MOUTHS OF THE GANGES
BAY OF BENGAL
OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN
HIGHWAY ENGINEERING INSTITUTE, TOKYO
EAST PAKISTAN
DACCA-FARIDPUR ROAD PROJECT
AVERAGE ANNUAL PRECIPITATION
CHIEF ENG.
CHECKED BY
DESIGNED BY
DRAWN BY
SCALE 1:1000,000
SHEET NO 4
DATE AUG 1970



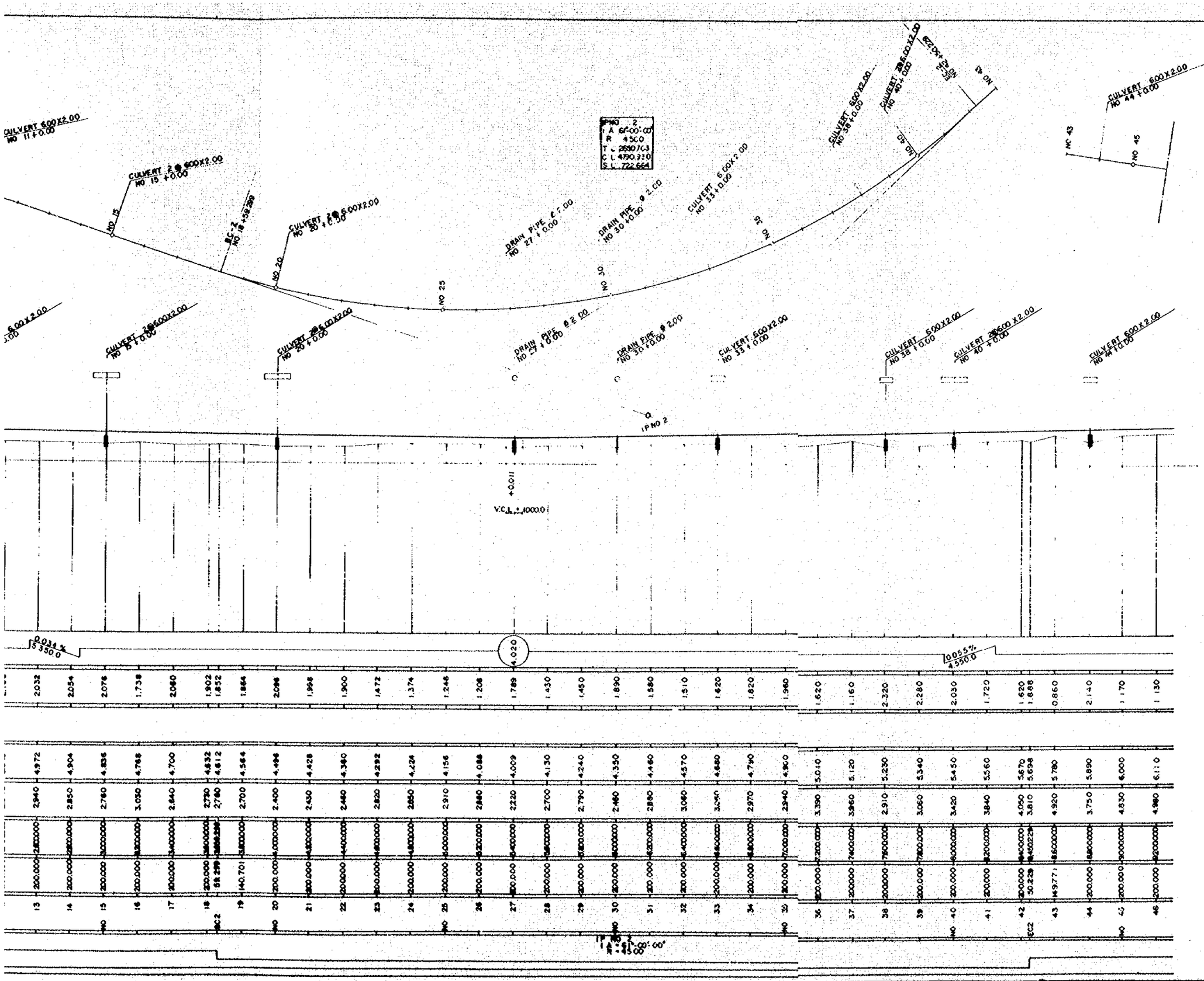
Belkuchi
Chauhali
Faridpur
Ganges Barrage
Sujanagar
Kashinathpur
Alamdanga
Salikupa
Harinakunda
Kumar
Jhenida
Kaliganj
Arpara
Salikha
FARIDPUR
PROPOSED ROAD
Bhanga
Gopalganj
Kalaiganj
Gaurnadi
Dhamrai
Tongi
Kanchan
Gopaldi
Demra
Palang
Nalchiti
Mehendiganj
Chuknagar
Daulatpur
Dumuria
KHULNA
Bagerhat
Kachua
Mongla
Morrelganj
Kachua
BARISAL
Swarupkati
Jhalakati
LEGEND
PROJECTS COMPLETED
PROJECTS FEASIBILITY STUDY COMPLETED
PROJECT FEASIBILITY STUDY IN PROGRESS
PROJECTS FEASIBILITY STUDY PROPOSED
PROJECTS UNDER CONSTRUCTION
NAME OF PROJECT
ACRES
VALUE
A DACCA SOUTHWEST PROJECT
B H SURESAL PROJECT
C COMPREHENSIVE DRAINAGE SCHEMS
D G K PROJECT (FESSORE UNIT PHASE III)
E F SMALL ELECTRIC PUMP IRRIGATION PROJECT (LAUNIAS)
G FARIDPUR-BARISAL PROJECT (FARIDPUR UNIT)
I FARIDPUR-BARISAL PROJECT (BARISAL UNIT PHASE I)
J SAFLA BOGRA PROJECT
K COASTAL EMBANKMENT PROJECT (PHASE I)
Miles
Kilometers
OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN
HIGHWAY ENGINEERING INSTITUTE, TOKYO
EAST PAKISTAN
DACCA-FARIDPUR ROAD PROJECT
POLDER PROJECT FOR ROAD PROJECT AREA
SCALE 1:500,000
SHEET NO. 5
DATE AUG 1970


ORIGIN AND DESTINATION TRAFFIC FLOW MAP
ON R & H ROADS IN EAST PAKISTAN
DEC. 1968
INDIA
INDIA
INDIA
BURMA
MOUTHS OF THE GANGES
BAY OF BENGAL
NOTE: PASSENGER-CAR EQUIVALANT FACTORS (P.C.E)
1 TRUCK 3 P.C.E
2 PICKUP, VAN, MICROBUS 1
3 BUS 3
4 CAR, JEEP, STATION, WAGON 1·25
5 MOTOR CYCLE 1
O-D SURVEY STN.
Miles
Kilometres
OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN
HIGHWAY ENGINEERING INSTITUTE
EAST PAKISTAN
DACCA-FARIDPUR ROAD PROJECT
ORIGIN AND DESTIATION TRAFFIC FLOW MAP
SCALE 1:1000,000
SHEET NO 6
DATE AUG. 1970


DACCA
DACCA SOUTHWEST PROJECT
DACCA SOUTHWEST PROJECT
FARIDPUR-BARISAL PROJECT (FARIDPUR-I)
SURESWAR PROJECT
OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN
EAST PAKISTAN
DACCA-FARIDPUR ROAD PROJECT
GENERAL PLAN



IP NO 1
NO 0
NO 5
NO 10
NO 15
NO 20
CULVERT 2 @ 6.00X2.00
NO 6 + 0.00
CULVERT 6.00X2.00
NO 11 + 0.00
CULVERT 2 @ 6.00X2.00
NO 15 + 0.00
CULVERT 2 @ 6.00X2.00
NO 20 + 0.00
30.000
20.000
10.000
0.000
-10.000
-20.000
-30.000
1/300
1/10000
HWL = 6.975
V.C.L. = 300.0
BURHIGANGA RIVER BRIDGE
SLOPE
2.500 %
0.034 %
5.350.0
EMBANKMENT HEIGHT
CUTTING HEIGHT
PROPOSED HEIGHT
GROUND HEIGHT
ACCUMULATED DISTANCE
DISTANCE
STATION
CURVE BAND



OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN

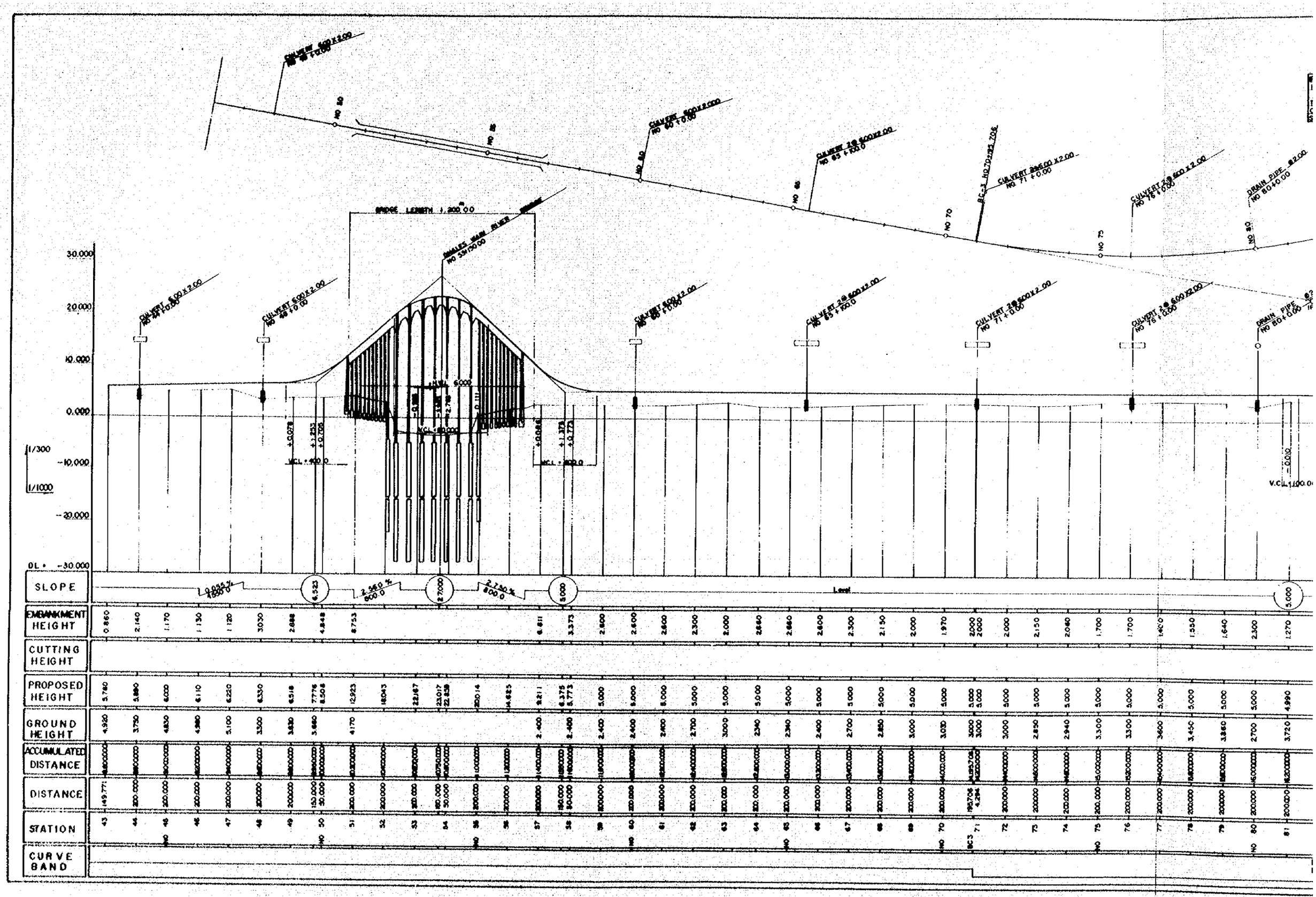
HIGHWAY ENGINEERING INSTITUTE, TOKYO

EAST PAKISTAN

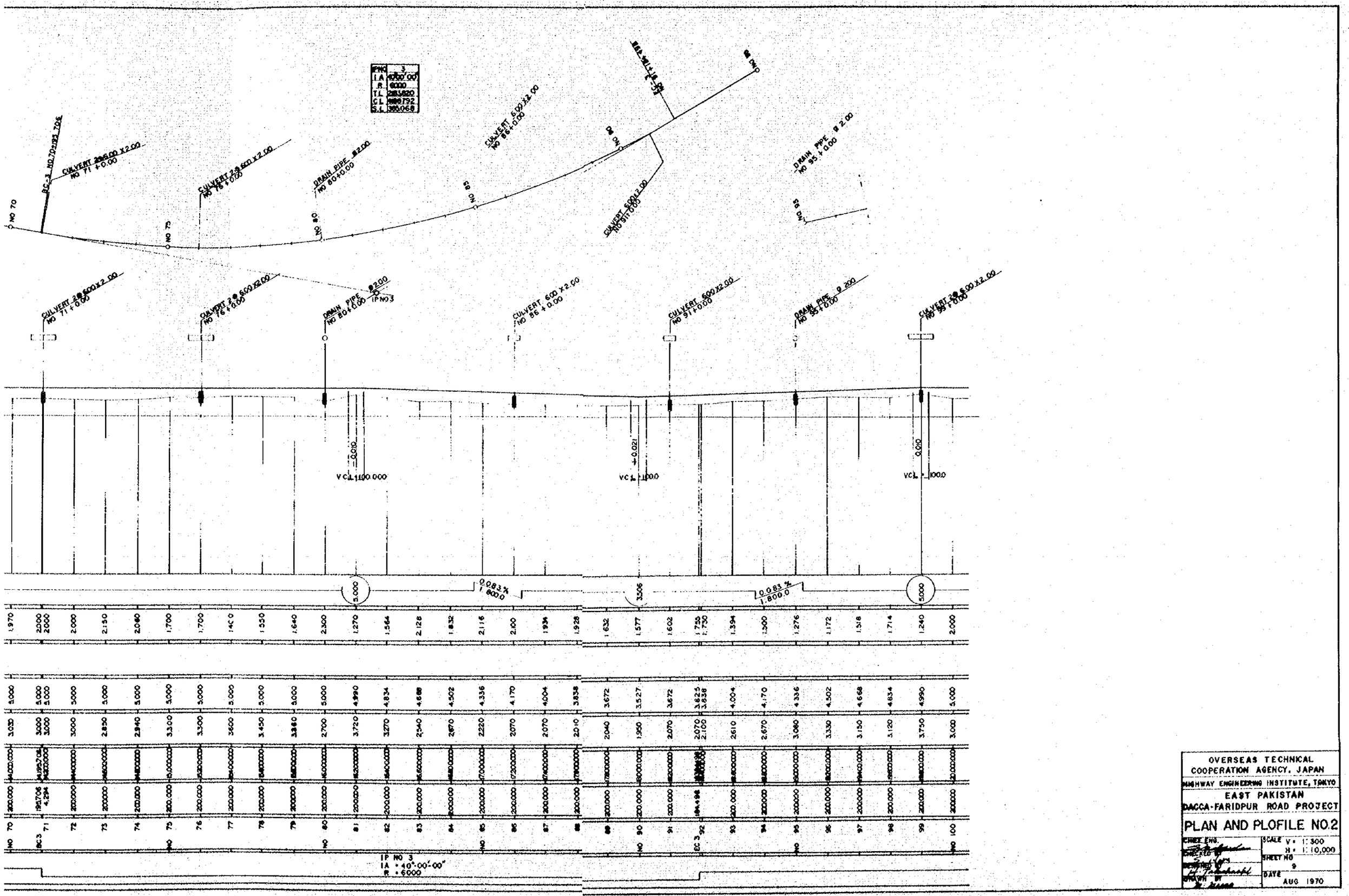
DACCA-FARIDPUR ROAD PROJECT

PLAN AND PROFILE NO.1

CHIEF ENG.	SCALE V = 1:300 H = 1:10,000
CHECKED BY	SHEET NO 9
DESIGNED BY	DATE AUG. 1970
DRAWN BY	



BRIDGE LENGTH 1,200.00
DHALES MAIN RIVER
CULVERT 6.00 X 2.00
CULVERT 2@ 6.00 X 2.00
DRAIN PIPE
30.000
20.000
10.000
0.000
-10.000
-20.000
DL = -30.000
1/300
1/1000
SLOPE
EMBANKMENT HEIGHT
CUTTING HEIGHT
PROPOSED HEIGHT
GROUND HEIGHT
ACCUMULATED DISTANCE
DISTANCE
STATION
CURVE BAND
Level



OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN

HIGHWAY ENGINEERING INSTITUTE, TOKYO

EAST PAKISTAN
DACCA-FARIDPUR ROAD PROJECT

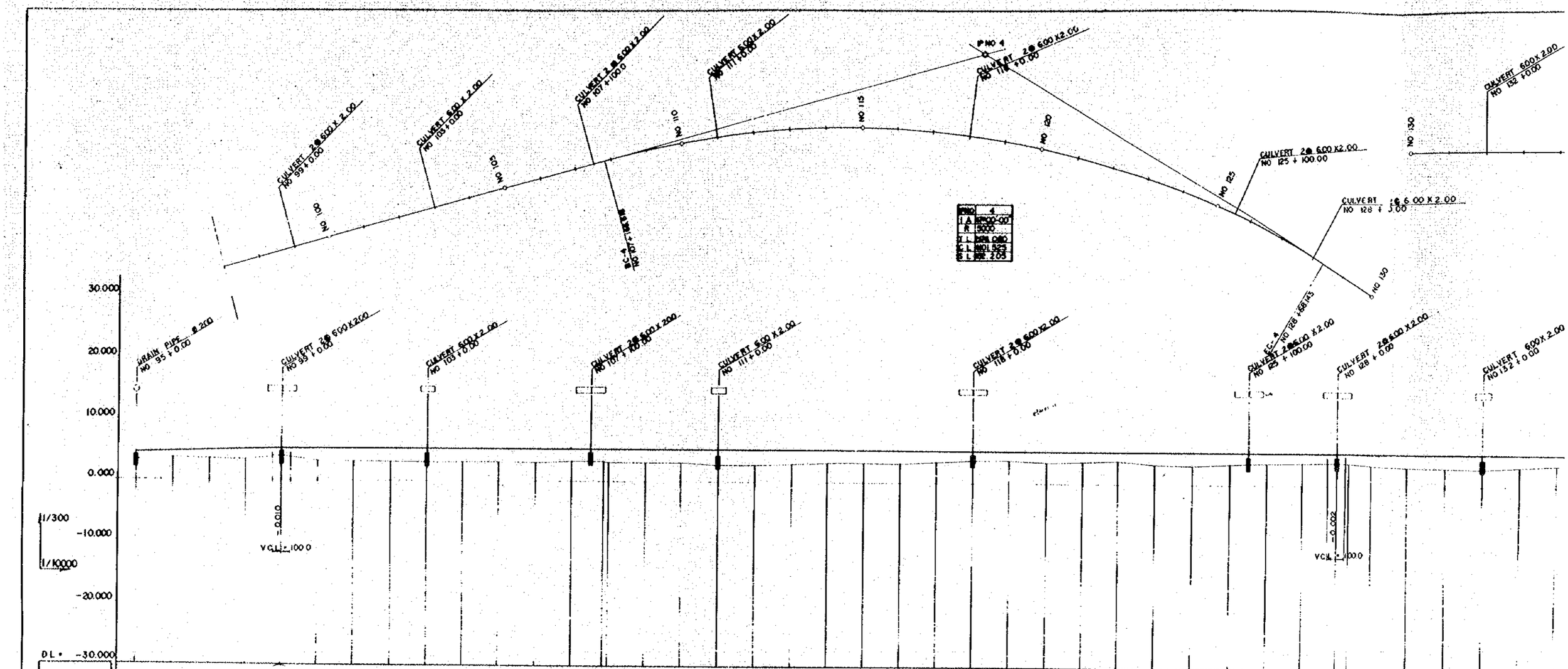
PLAN AND PLOFILE NO.2

CHIEF ENG.
CHECKED BY
DESIGNED BY
DRAWN BY

SCALE V = 1:300
H = 1:10,000

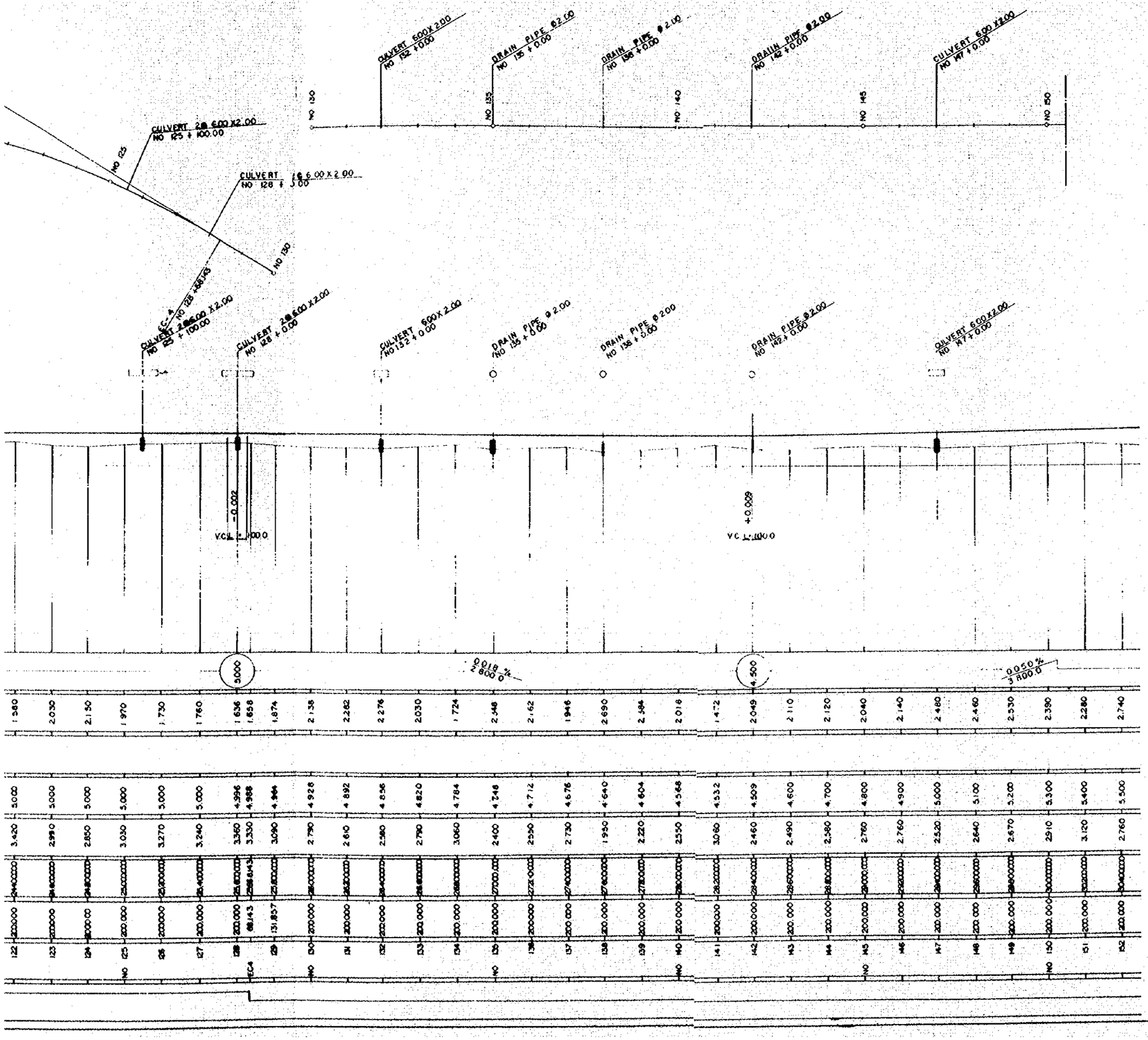
SHEET NO 9

DATE AUG 1970



STATION	DISTANCE	ACCUMULATED DISTANCE	GROUND HEIGHT	PROPOSED HEIGHT	CUTTING HEIGHT	EMBANKMENT HEIGHT	SLOPE
NO 95	200.000	19000.000	3.060	4.336		1.276	
96	200.000	19200.000	3.330	4.502		1.172	
97	200.000	19400.000	3.150	4.668		1.518	
98	200.000	19600.000	3.120	4.834		1.714	
99	200.000	19800.000	3.750	4.990		1.240	5.000
NO 100	200.000	20000.000	3.000	5.000		2.000	
101	200.000	20200.000	2.970	5.000		2.030	
102	200.000	20400.000	2.850	5.000		2.150	
103	200.000	20600.000	2.730	5.000		2.270	
104	200.000	20800.000	2.760	5.000		2.240	
NO 105	200.000	21000.000	2.880	5.000		2.120	
106	200.000	21200.000	2.820	5.000		2.180	
107	200.000	21400.000	3.060	5.000		1.940	
EC4 108	166.618 33.382	22566.618 22600.000	2.910 2.790	5.000 5.000		2.090 2.210	
109	200.000	22800.000	2.760	5.000		2.240	
NO 110	200.000	23000.000	2.700	5.000		2.300	
111	200.000	23200.000	2.340	5.000		2.660	
112	200.000	23400.000	2.400	5.000		2.600	
113	200.000	23600.000	2.580	5.000		2.420	
114	200.000	23800.000	2.790	5.000		2.210	
115	200.000	24000.000	2.760	5.000		2.240	
NO 116	200.000	24200.000	2.790	5.000		2.210	
117	200.000	24400.000	3.150	5.000		1.850	
118	200.000	24600.000	3.360	5.000		1.640	
119	200.000	24800.000	3.390	5.000		1.610	
NO 120	200.000	25000.000	3.090	5.000		1.910	
121	200.000	25200.000	3.180	5.000		1.820	
122	200.000	25400.000	3.420	5.000		1.580	
123	200.000	25600.000	2.990	5.000		2.030	
124	200.000	25800.000	2.850	5.000		2.150	
NO 125	200.000	26000.000	3.030	5.000		1.970	
126	200.000	26200.000	3.270	5.000		1.730	
127	200.000	26400.000	3.240	5.000		1.760	
128	200.000	26600.000	3.360	4.996		1.636	
EC4 129	68.143 131.857	26668.143	3.330	4.988		1.658	
NO 130	200.000	26800.000	3.090	4.964		1.874	
131	200.000	26800.000	2.790	4.928		2.138	
132	200.000	26800.000	2.610	4.892		2.282	
133	200.000	26800.000	2.580	4.856		2.276	
134	200.000	26800.000	2.790	4.820		2.030	
			3.060	4.784		1.724	

CURVE BAND: IP NO. 4, IA = 47°-00'-00", R = 5000



OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN

HIGHWAY ENGINEERING INSTITUTE, TOKYO

EAST PAKISTAN

DACCA-FARIDPUR ROAD PROJECT

PLAN AND PROFILE NO.3

CHIEF ENG.

CHECKED BY

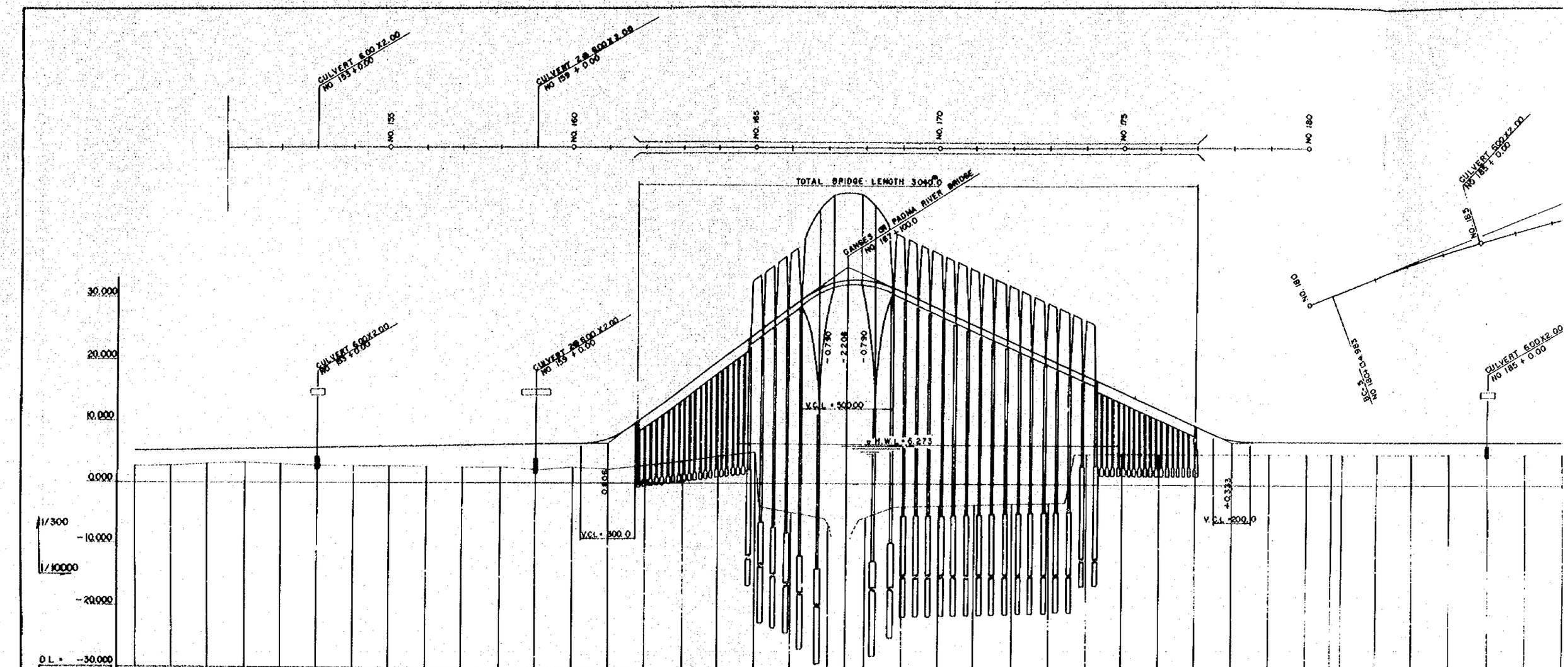
DESIGNED BY

DRAWN BY

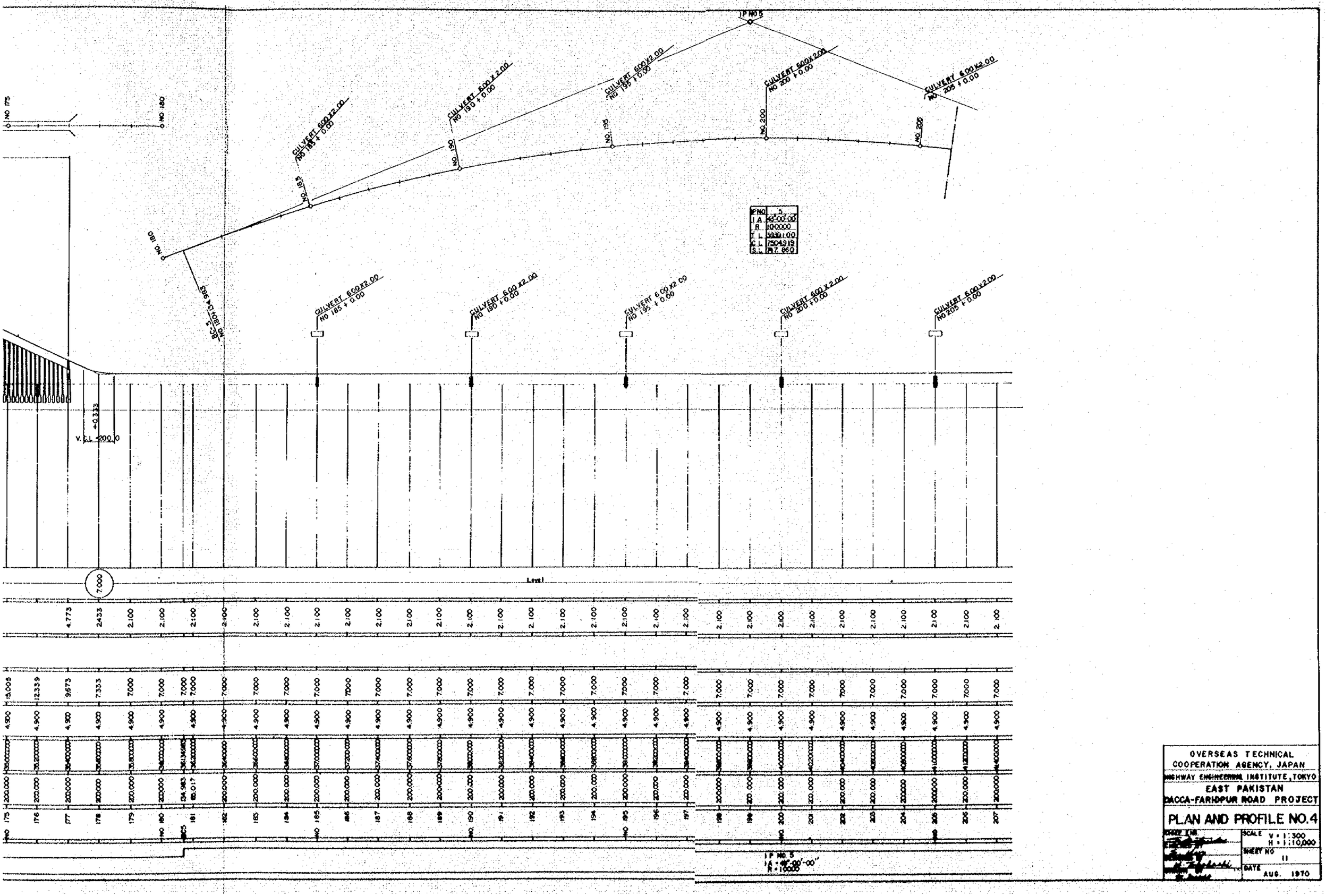
SCALE V = 1:300 H = 1:10,000

SHEET NO 10

DATE AUG. 1970



CULVERT 6.00 X 2.00
NO 155 + 0.00
CULVERT 2@ 6.00 X 2.00
NO 159 + 0.00
NO. 155
NO. 160
NO. 165
NO. 170
NO. 175
NO. 180
TOTAL BRIDGE LENGTH 3040.0
GANGES OR PADMA RIVER BRIDGE
NO 167 + 100.0
CULVERT 6.00 X 2.00
NO 185 + 0.00
NO. 185
NO. 180
BC-3
NO 180+134.983
30.000
20.000
10.000
0.000
-10.000
-20.000
DL = -30.000
1/300
1/10000
V.C.L. = 500.00
H.W.L. = 6.273
V.C.L. = 300.0
V.C.L. = 200.0
SLOPE
EMBANKMENT HEIGHT
CUTTING HEIGHT
PROPOSED HEIGHT
GROUND HEIGHT
ACCUMULATED DISTANCE
DISTANCE
STATION
CURVE BAND



OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN

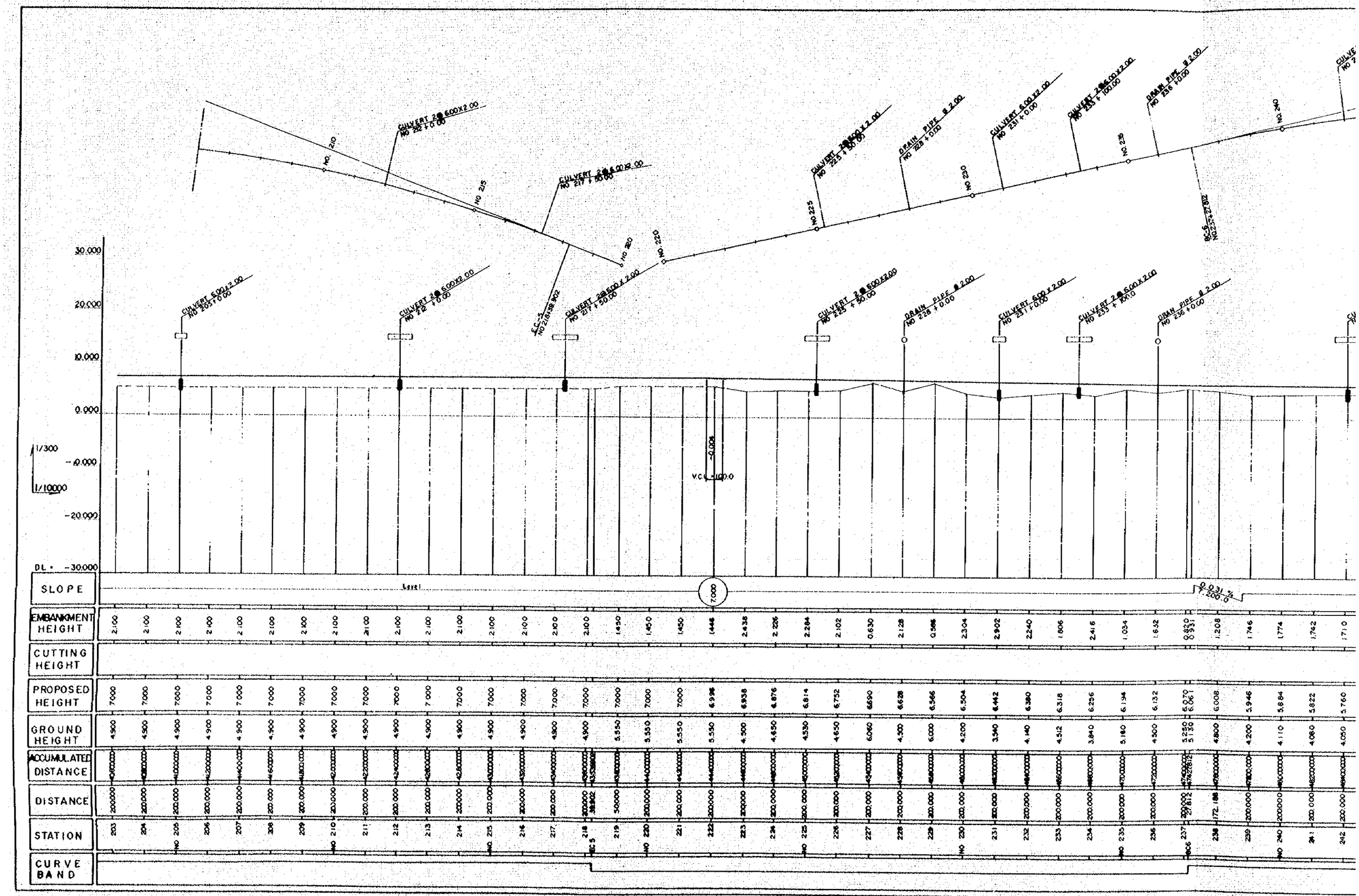
HIGHWAY ENGINEERING INSTITUTE, TOKYO

EAST PAKISTAN

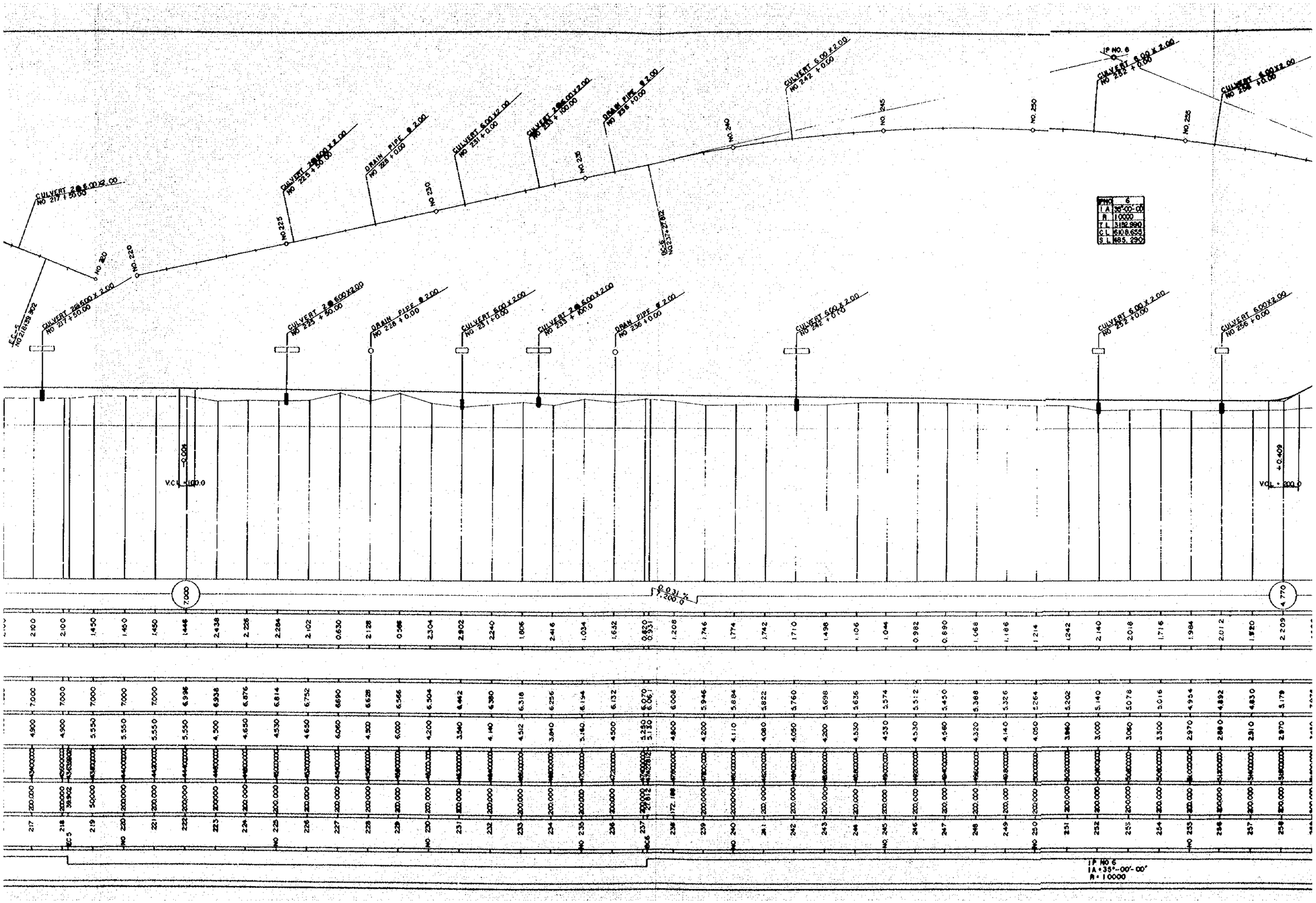
DACCA-FARIDPUR ROAD PROJECT

PLAN AND PROFILE NO.4

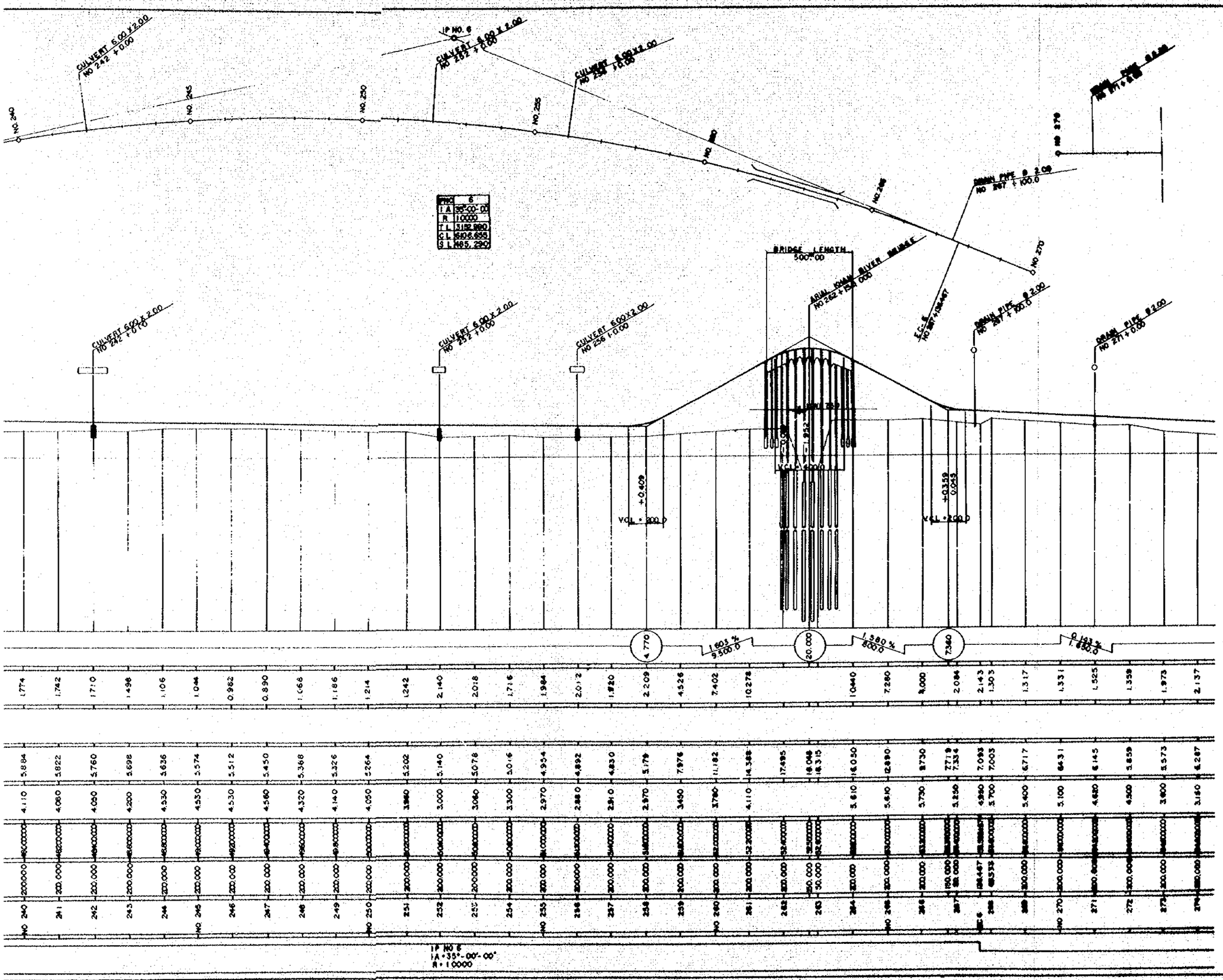
CHIEF ENG.	SCALE V = 1:300 H = 1:10,000
	SHEET NO 11
	DATE AUG. 1970



CULVERT 2@6.00X2.00 NO 212+0.00
CULVERT 2@6.00X2.00 NO 217+50.00
CULVERT 2@6.00X2.00 NO 225+50.00
DRAIN PIPE @ 2.00 NO 228+0.00
CULVERT 6.00X2.00 NO 231+0.00
CULVERT 2@6.00X2.00 NO 233+100.00
DRAIN PIPE @ 2.00 NO 236+0.00
CULVERT 6.00X2.00 NO 205+0.00
CULVERT 2@6.00X2.00 NO 212+0.00
CULVERT 2@6.00X2.00 NO 217+50.00
CULVERT 2@6.00X2.00 NO 225+50.00
DRAIN PIPE @ 2.00 NO 228+0.00
CULVERT 6.00X2.00 NO 231+0.00
CULVERT 2@6.00X2.00 NO 233+100.0
DRAIN PIPE @ 2.00 NO 236+0.00
NO 210
NO 215
NO 220
NO 225
NO 230
NO 235
NO 240
EC-5 NO 218+39.902
BC-6 NO 237+27.812
30.000
20.000
10.000
0.000
-10.000
-20.000
DL = -30.000
1/300
1/10000
-0.004
V.C.L. = 100.0
SLOPE
Level
7.000
0.031 %
7.200.0
EMBANKMENT HEIGHT
CUTTING HEIGHT
PROPOSED HEIGHT
GROUND HEIGHT
ACCUMULATED DISTANCE
DISTANCE
STATION
CURVE BAND



CULVERT 2@6.00X2.00 NO 217+50.00
CULVERT 2@6.00X2.00 NO 225+50.00
DRAIN PIPE @ 2.00 NO 228+0.00
CULVERT 6.00X2.00 NO 231+0.00
CULVERT 2@6.00X2.00 NO 233+100.00
DRAIN PIPE @ 2.00 NO 236+0.00
CULVERT 6.00X2.00 NO 242+0.00
CULVERT 6.00X2.00 NO 252+0.00
CULVERT 6.00X2.00 NO 256+0.00
IP NO. 6
IA 35°-00'-00"
R 10000
T.L. 3152.990
C.L. 6108.655
S.L. 485.290
V.C.L. = 100.0
V.C.L. = 200.0
0.031 %
7,200.0
IP NO 6
IA = 35°-00'-00"
R = 10000



IP NO.	6
I A	35°-00-00
R	10000
T L	3152.880
C L	6406.655
S L	465.290

OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN

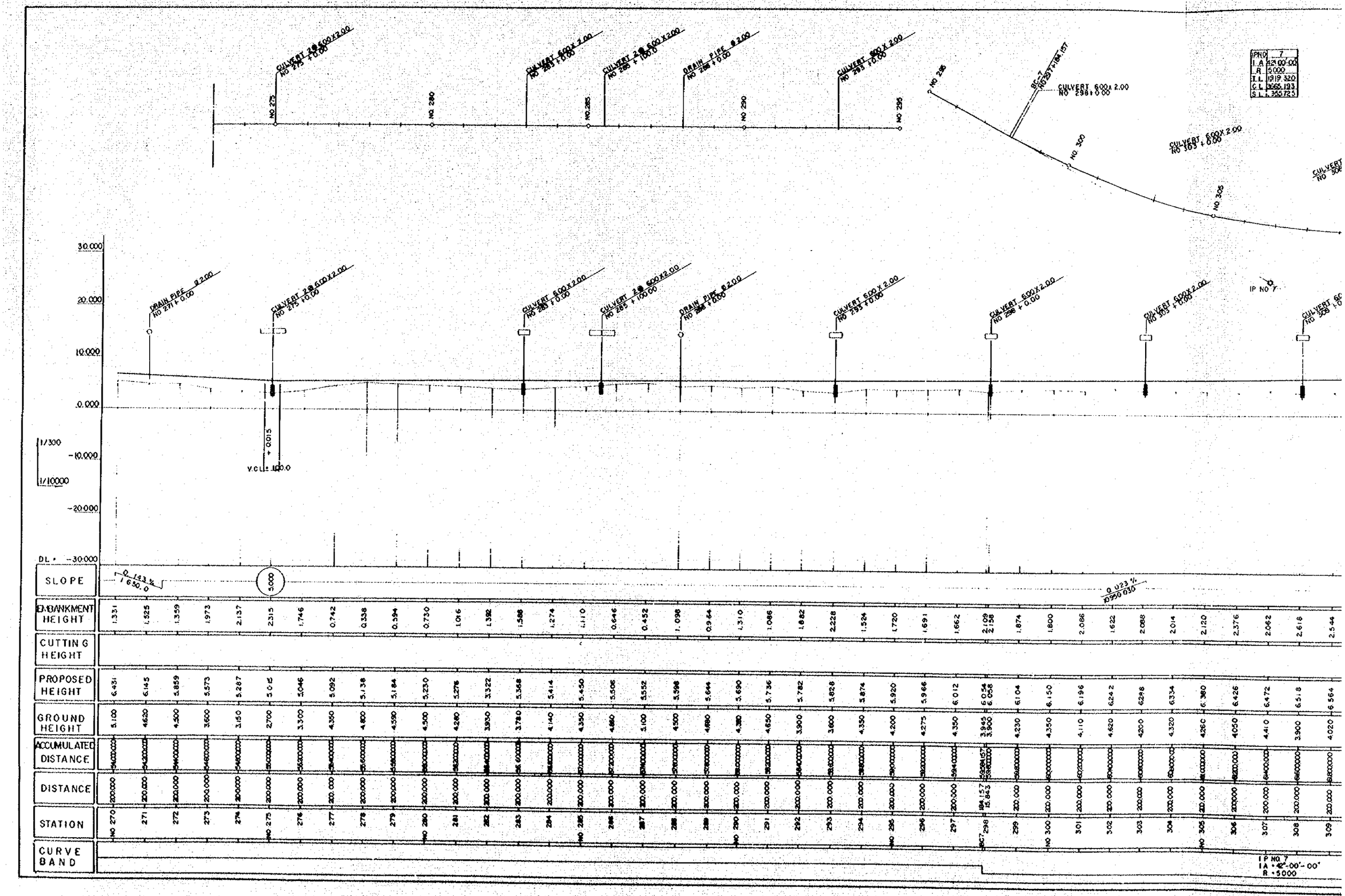
HIGHWAY ENGINEERING INSTITUTE, TOKYO

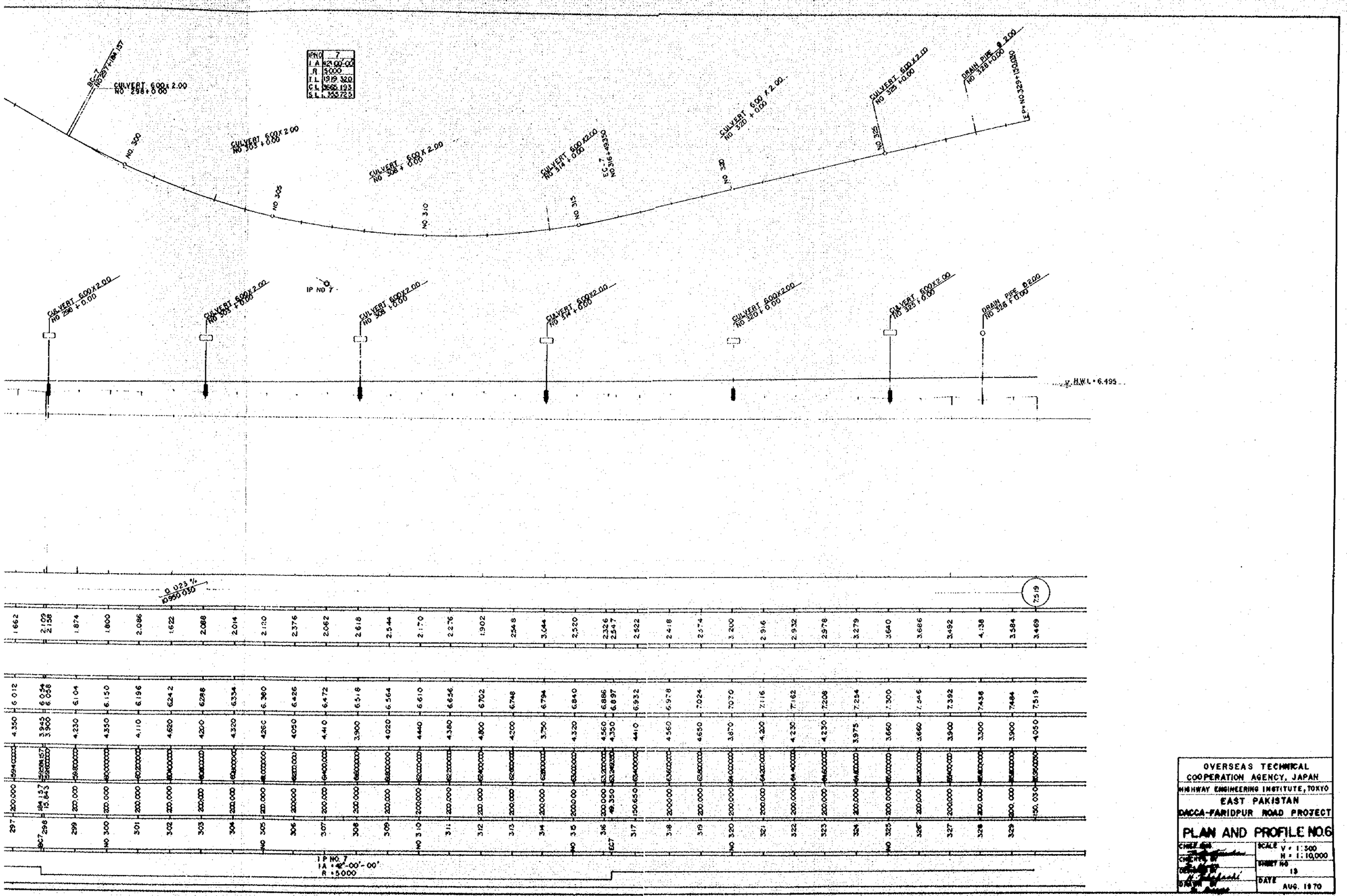
EAST PAKISTAN

DACCA-FARIDPUR ROAD PROJECT

PLAN AND PROFILE NO. 5

CHIEF ENG.	SCALE V = 1:300 H = 1:10,000
CHECKED BY	SHEET NO 12
DESIGNED BY	DATE AUG. 1970
DRAWN BY	


IP NO 7
I.A 42°00'00"
R 5000
T.L 1919.320
C.L 3665.193
S.L 350.725
CULVERT 2@600X2.00 NO 275 +0.00
CULVERT 600X2.00 NO 285 +0.00
CULVERT 2@600X2.00 NO 285 +100.00
DRAIN PIPE @2.00 NO 286 +0.00
CULVERT 600X2.00 NO 293 +0.00
CULVERT 600X2.00 NO 298 +0.00
BC-7 NO 297+184.157
CULVERT 600X2.00 NO 303 +0.00
NO 270
NO 275
NO 280
NO 285
NO 290
NO 295
NO 300
NO 305
DRAIN PIPE @2.00 NO 271 +0.00
CULVERT 2@600X2.00 NO 275 +0.00
CULVERT 600X2.00 NO 283 +0.00
CULVERT 2@600X2.00 NO 285 +100.00
DRAIN PIPE @2.00 NO 286 +0.00
CULVERT 600X2.00 NO 293 +0.00
CULVERT 600X2.00 NO 298 +0.00
CULVERT 600X2.00 NO 303 +0.00
IP NO 7
30.000
20.000
10.000
0.000
-10.000
-20.000
-30.000
1/300
1/10000
+0.015
V.C.L = 100.0
DL = -30.000
SLOPE
0.143 %
1650.0
5000
0.023 %
1950.030
EMBANKMENT HEIGHT
1.331 1.525 1.359 1.973 2.137 2.315 1.746 0.742 0.538 0.594 0.730 1.016 1.392 1.588 1.274 1.110 0.646 0.452 1.098 0.964 1.310 1.086 1.882 2.228 1.524 1.720 1.691 1.662 2.109 2.158 1.874 1.800 2.086 1.622 2.088 2.014 2.120 2.376 2.062 2.618 2.544
CUTTING HEIGHT
PROPOSED HEIGHT
6.431 6.145 5.859 5.573 5.287 5.015 5.046 5.092 5.138 5.184 5.230 5.276 5.322 5.368 5.414 5.450 5.506 5.552 5.598 5.644 5.690 5.736 5.782 5.828 5.874 5.920 5.966 6.012 6.054 6.058 6.104 6.150 6.196 6.242 6.288 6.334 6.380 6.426 6.472 6.518 6.564
GROUND HEIGHT
5.100 4.620 4.300 3.600 3.150 2.700 3.300 4.350 4.800 4.590 4.500 4.280 3.950 3.780 4.140 4.350 4.680 5.100 4.500 4.680 4.380 4.650 3.900 3.600 4.350 4.200 4.275 4.350 3.945 3.900 4.230 4.350 4.110 4.620 4.200 4.320 4.260 4.050 4.410 3.900 4.020
ACCUMULATED DISTANCE
DISTANCE
200.000
STATION
NO 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309
CURVE BAND
IP NO 7
IA = 42°-00'-00"
R = 5000



OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN

HIGHWAY ENGINEERING INSTITUTE, TOKYO

EAST PAKISTAN

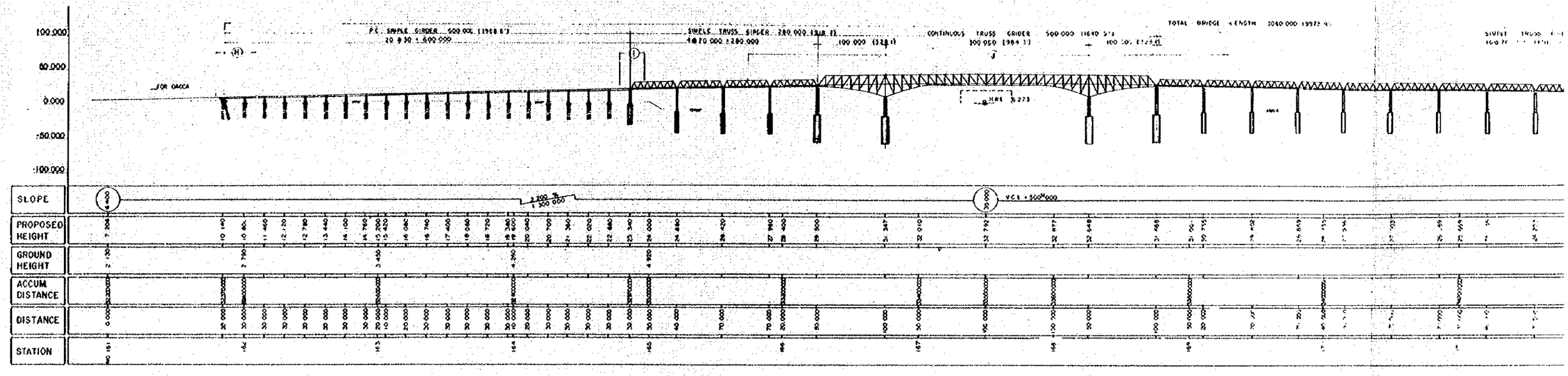
DACCA-FARIDPUR ROAD PROJECT

PLAN AND PROFILE NO.6

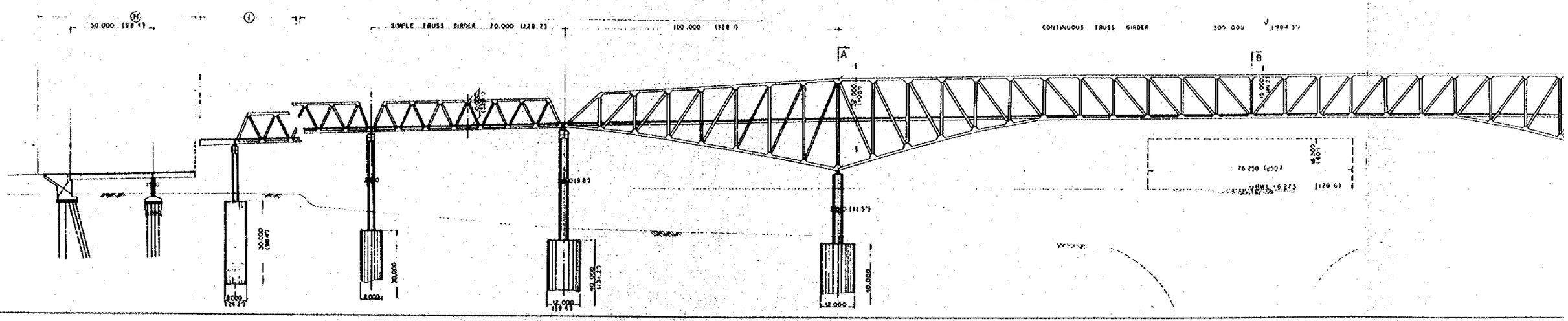
CHIEF ENG.	SCALE V = 1:500 H = 1:10,000
CHECKED BY	SHEET NO. 13
DESIGNED BY	DATE AUG. 1970
DRAWN BY	

GANGES OR PADMA RIVER BRIGE SCALE 1 : 2000

PROFILE

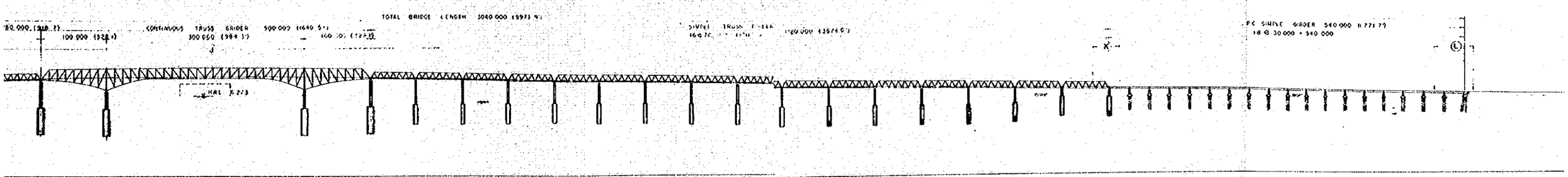


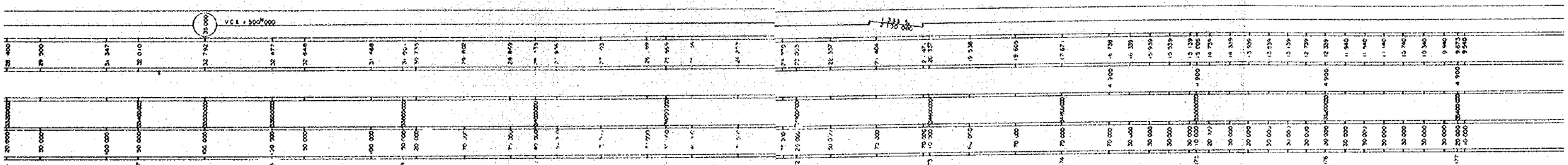
ENLARGED SIDE VIEW SCALE 1 : 500



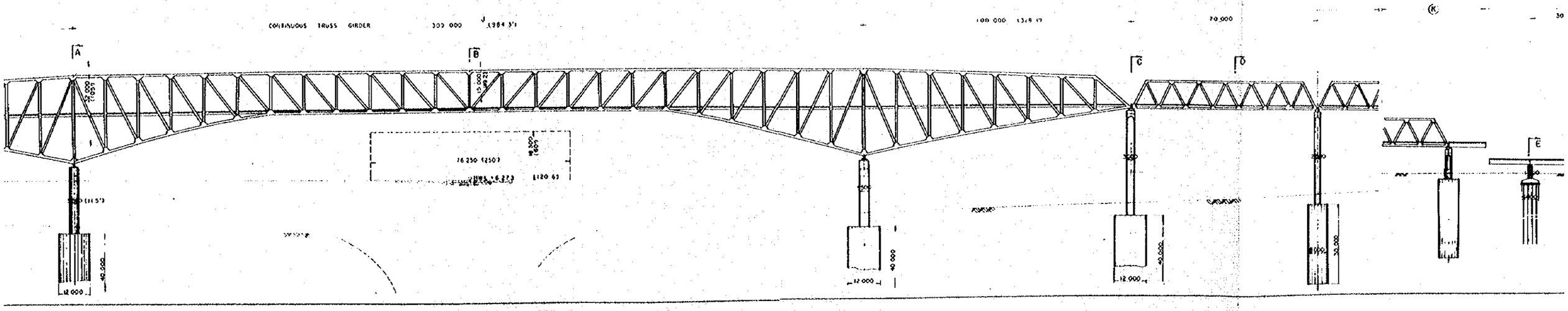
GANGES OR PADMA RIVER BRIGE SCALE 1 : 2 000

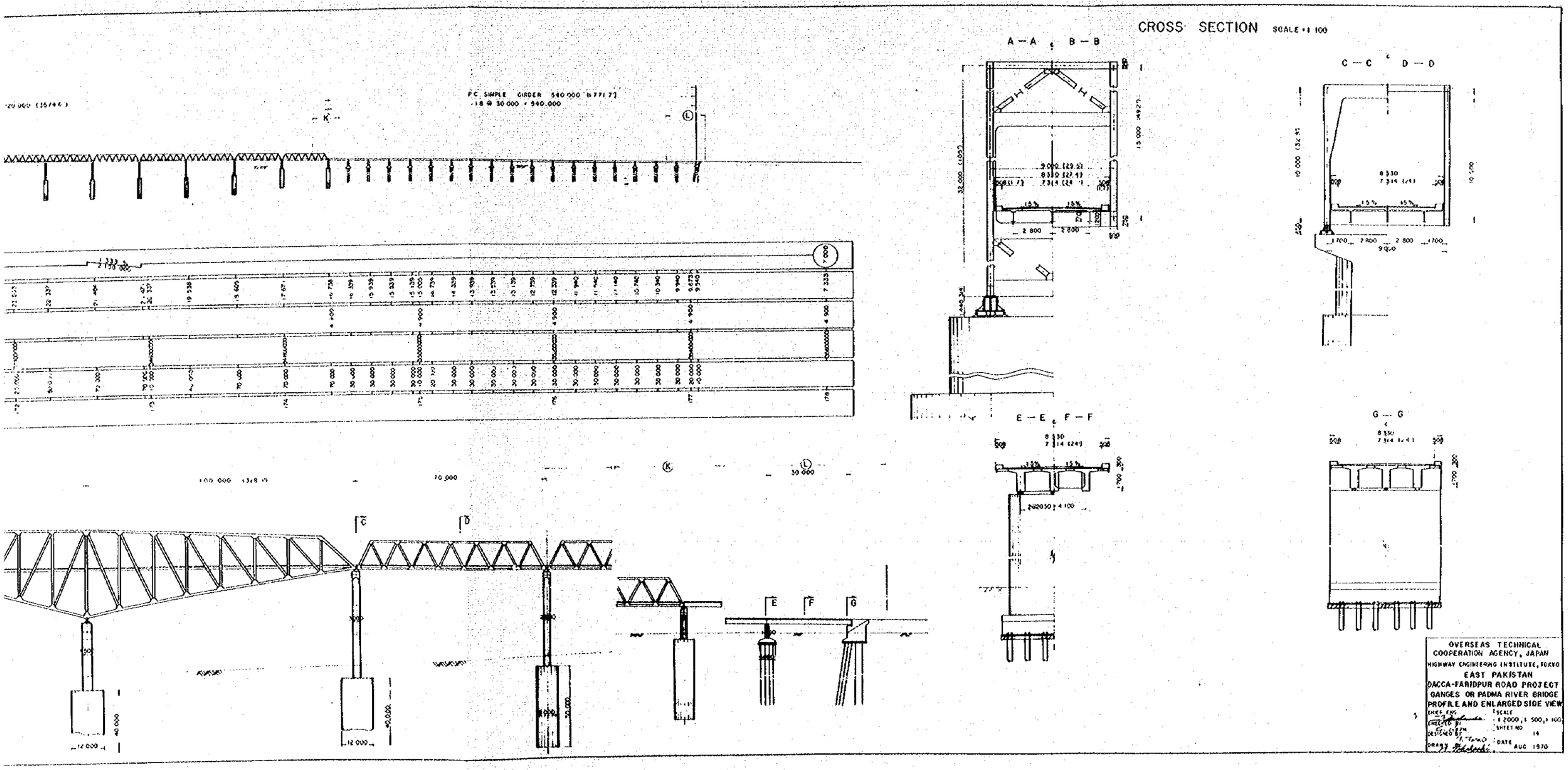
PROFILE





ENLARGED SIDE VIEW SCALE 1 : 500

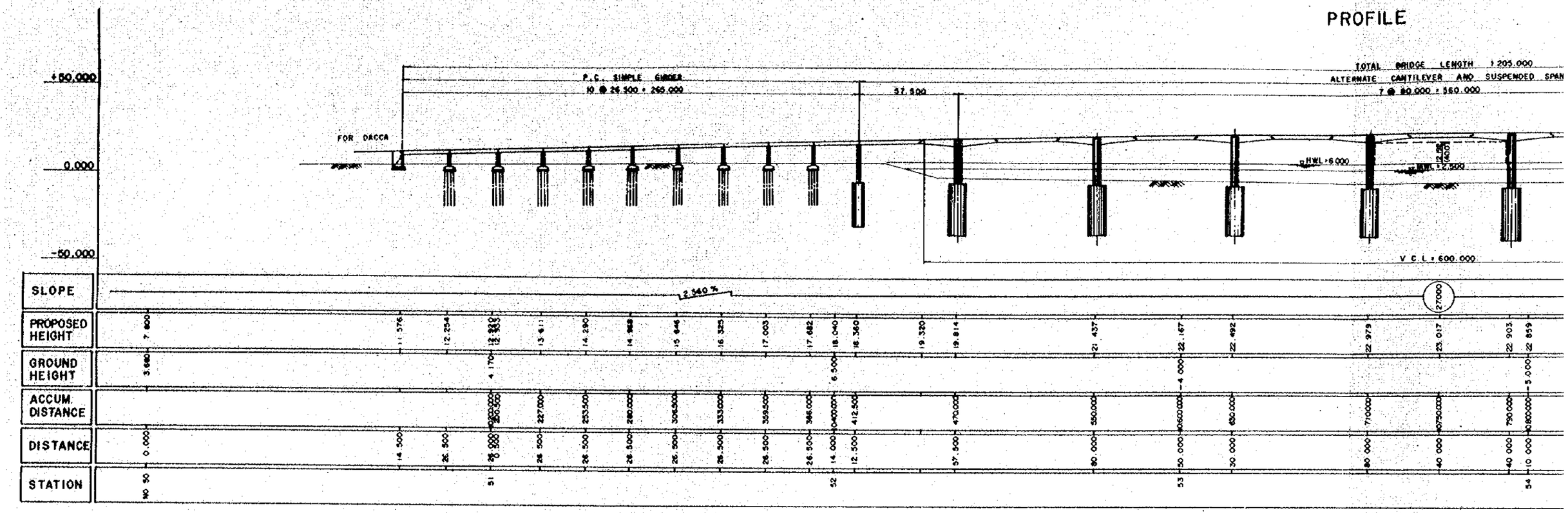



CROSS SECTION SCALE 1:100
A — A B — B
C — C D — D
E — E F — F
G — G
P.C. SIMPLE GIRDER 540.000 (1771.7)
18 @ 30.000 = 540.000
OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN
HIGHWAY ENGINEERING INSTITUTE, TOKYO
EAST PAKISTAN
DACCA-FARIDPUR ROAD PROJECT
GANGES OR PADMA RIVER BRIDGE
PROFILE AND ENLARGED SIDE VIEW
SCALE 1:2000, 1:500, 1:100
SHEET NO 14
DATE AUG 1970

DHALES WARI RIVER BRIDGE

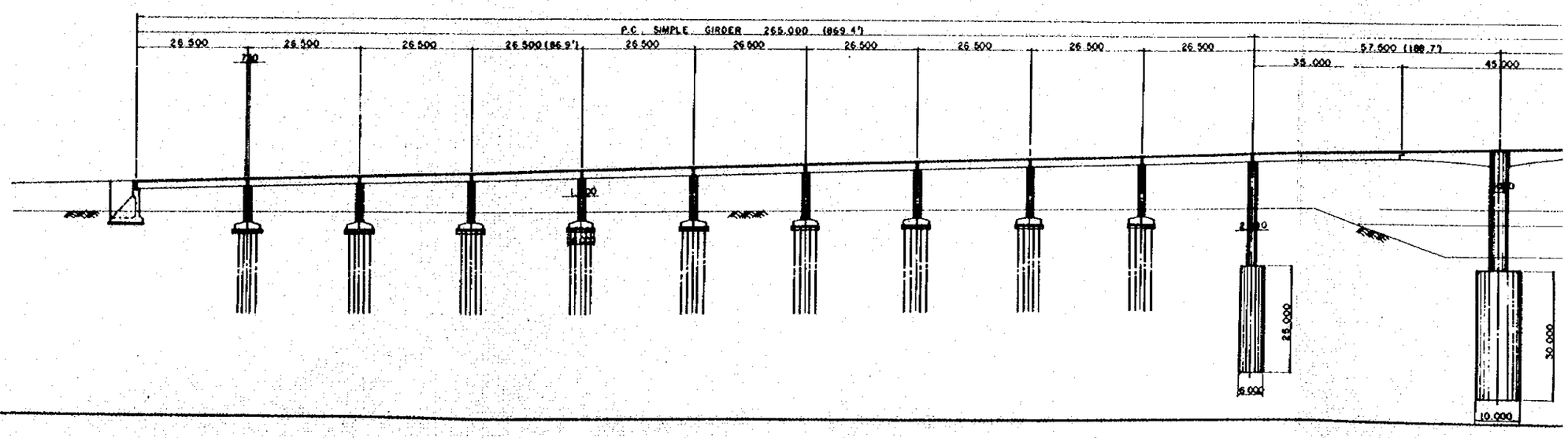
SC

PROFILE



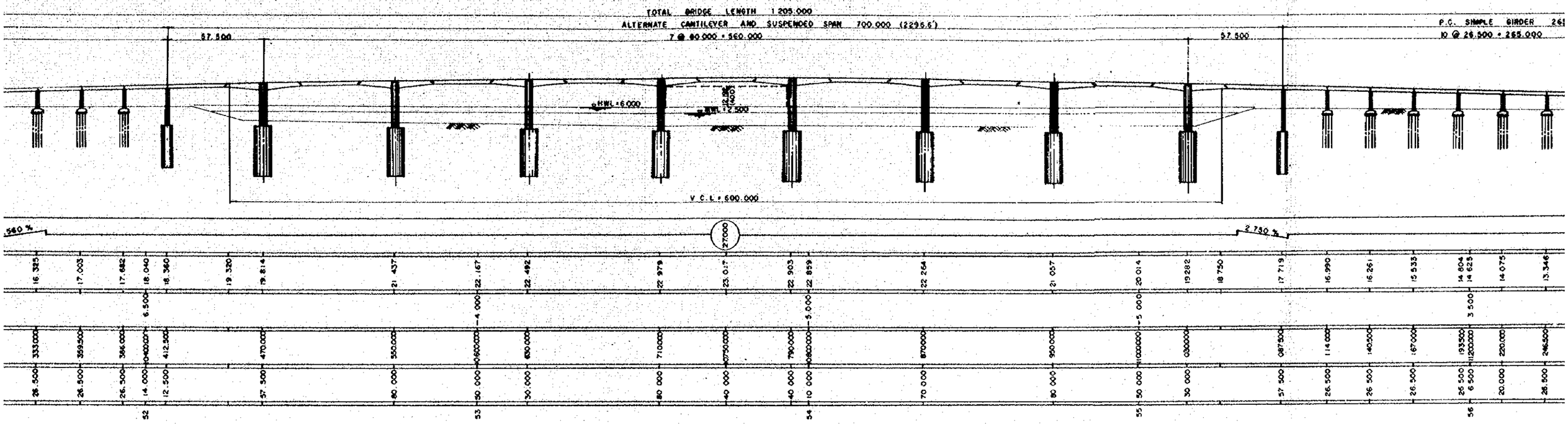
ENLARGED SIDE VIEW

SCALE = 1:50

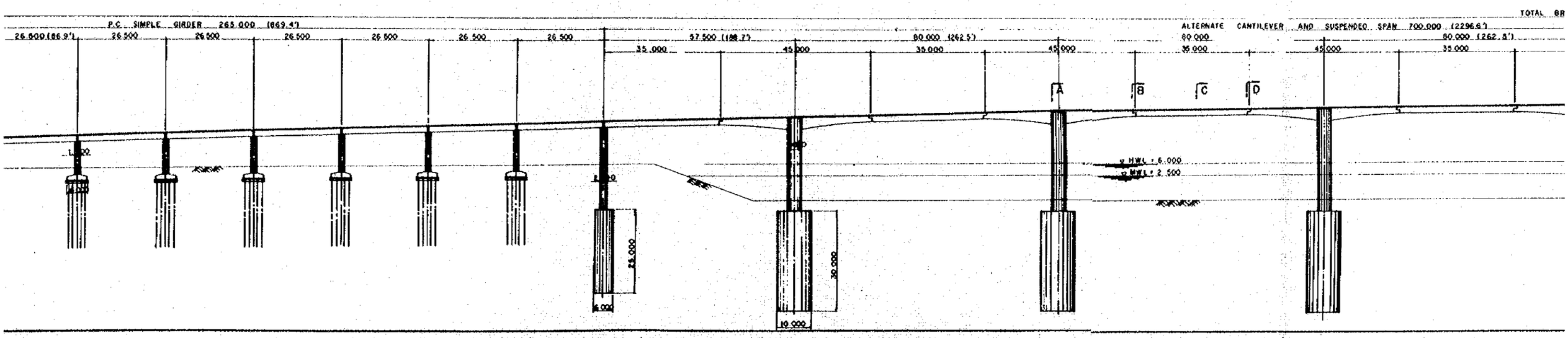


DHALES WARI RIVER BRIDGE SCALE = 1:1000

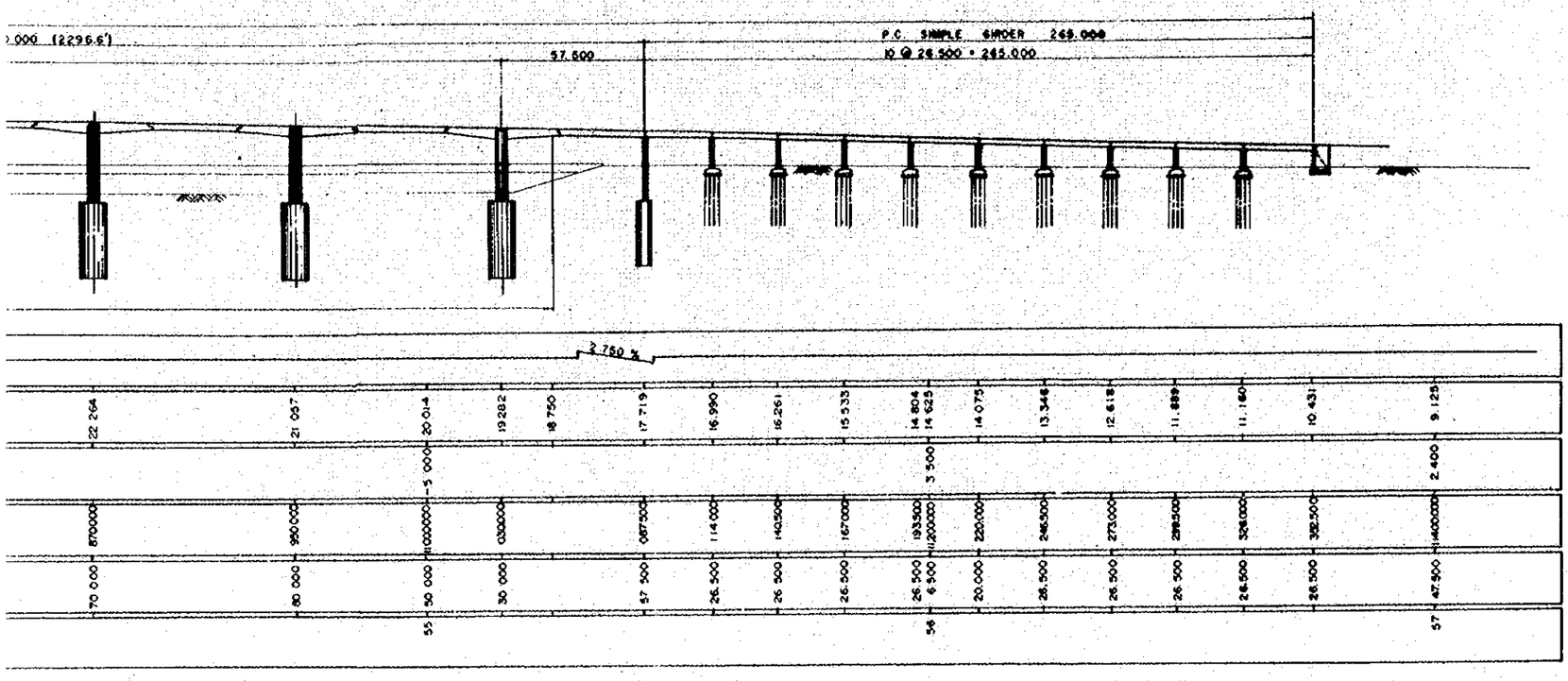
PROFILE

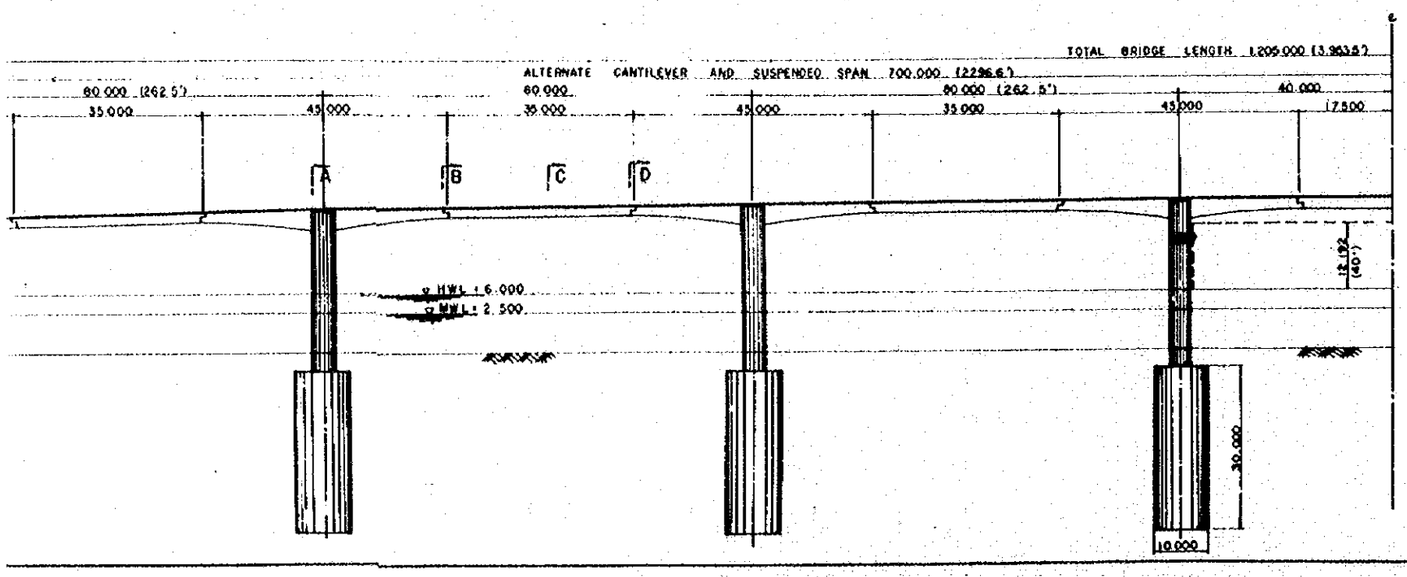


ENLARGED SIDE VIEW SCALE = 1:500



1:1000

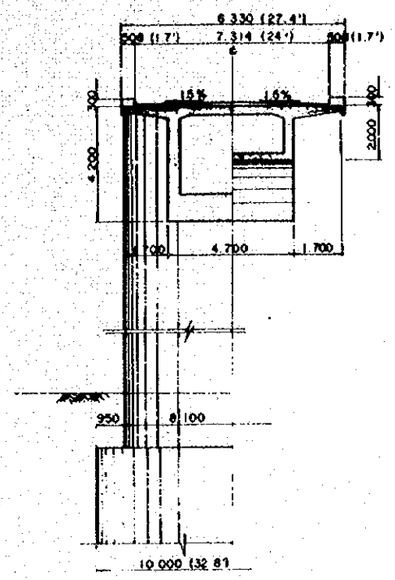




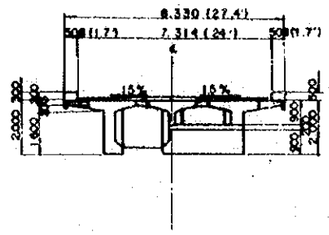
CROSS SECTION

SCALE = 1:100

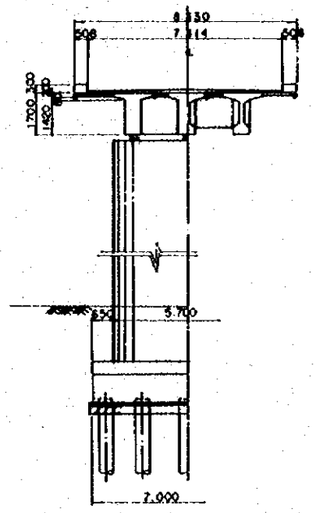
A—A B—B



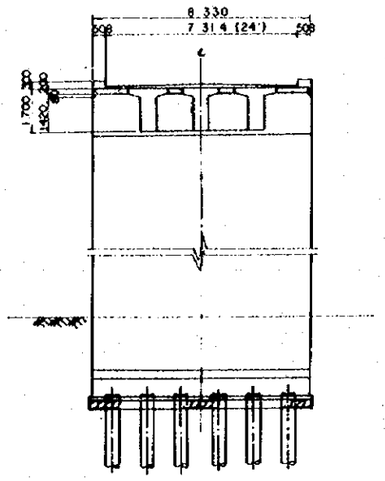
C—C



E—E F—F



G—G



OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN

HIGHWAY ENGINEERING INSTITUTE, TOKYO

EAST PAKISTAN

DACCA-FARIDPUR ROAD PROJECT

DHALESWARI RIVER BRIDGE

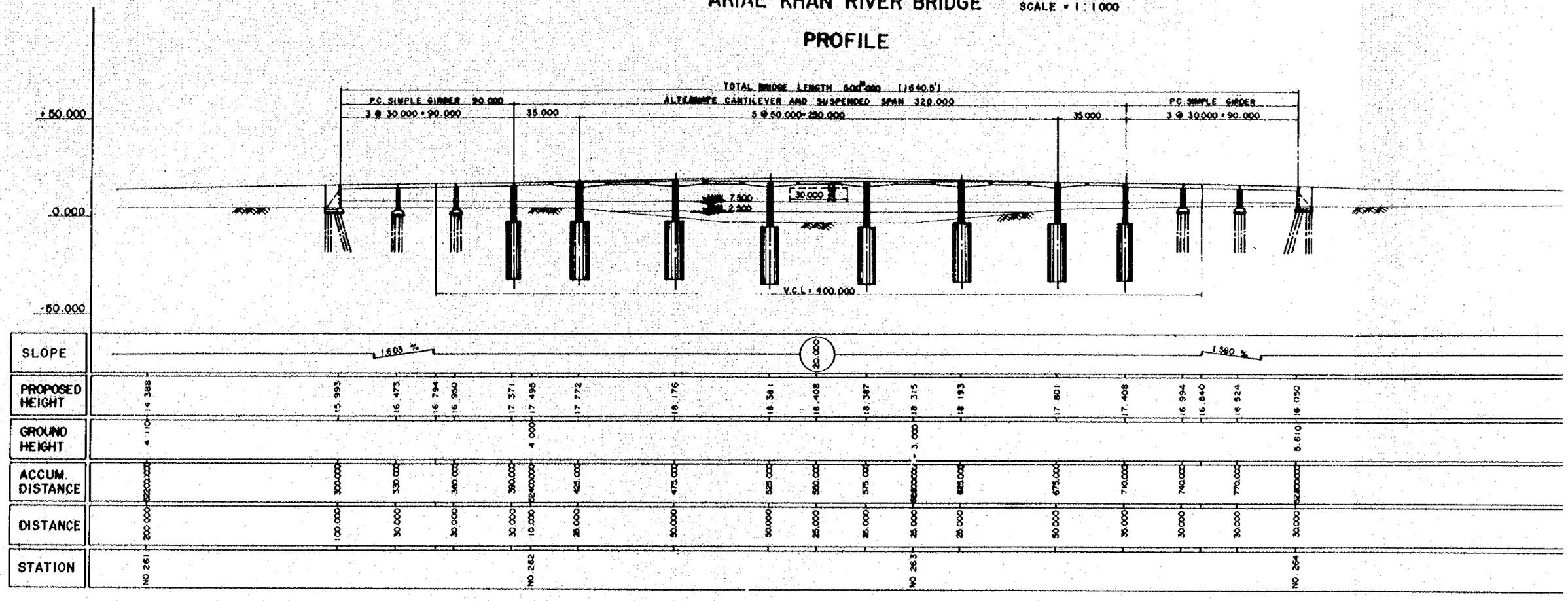
PROFILE AND ENLARGED SIDE VIEW

CHIEF ENG.	SCALE 1:1000, 1:500, 1:100
CHECKED BY	SHEET NO. 15
DESIGNED BY	
DRAWN BY	DATE AUG. 1970

ARIAL KHAN RIVER BRIDGE

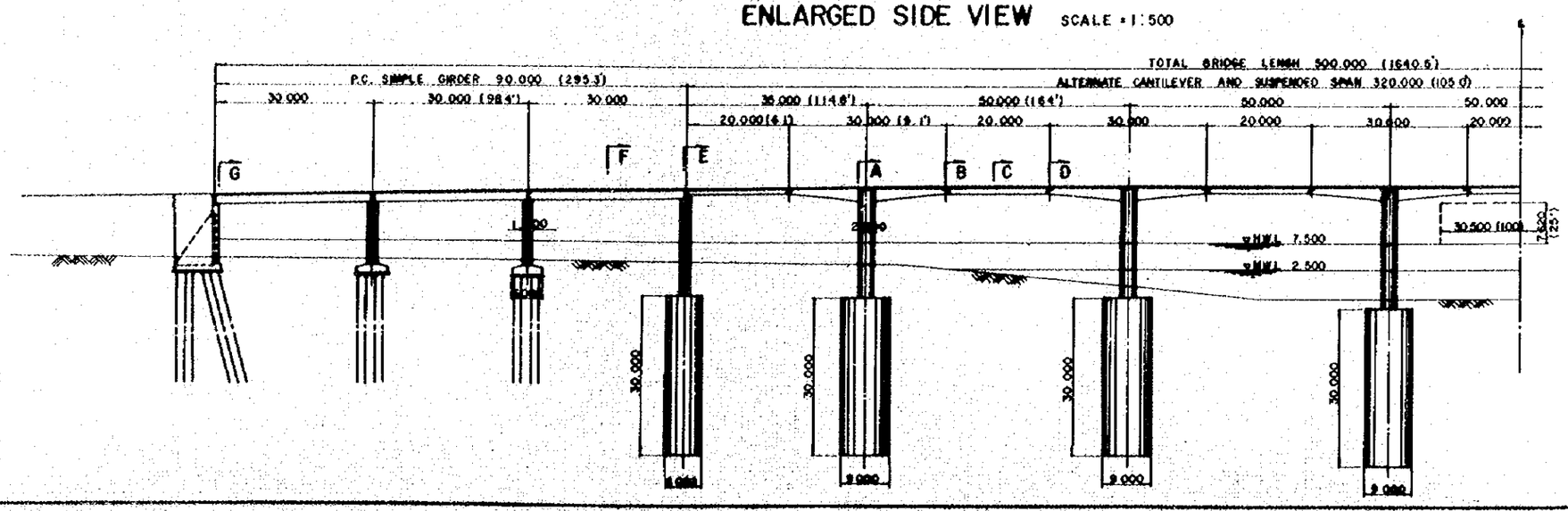
SCALE = 1 : 1000

PROFILE

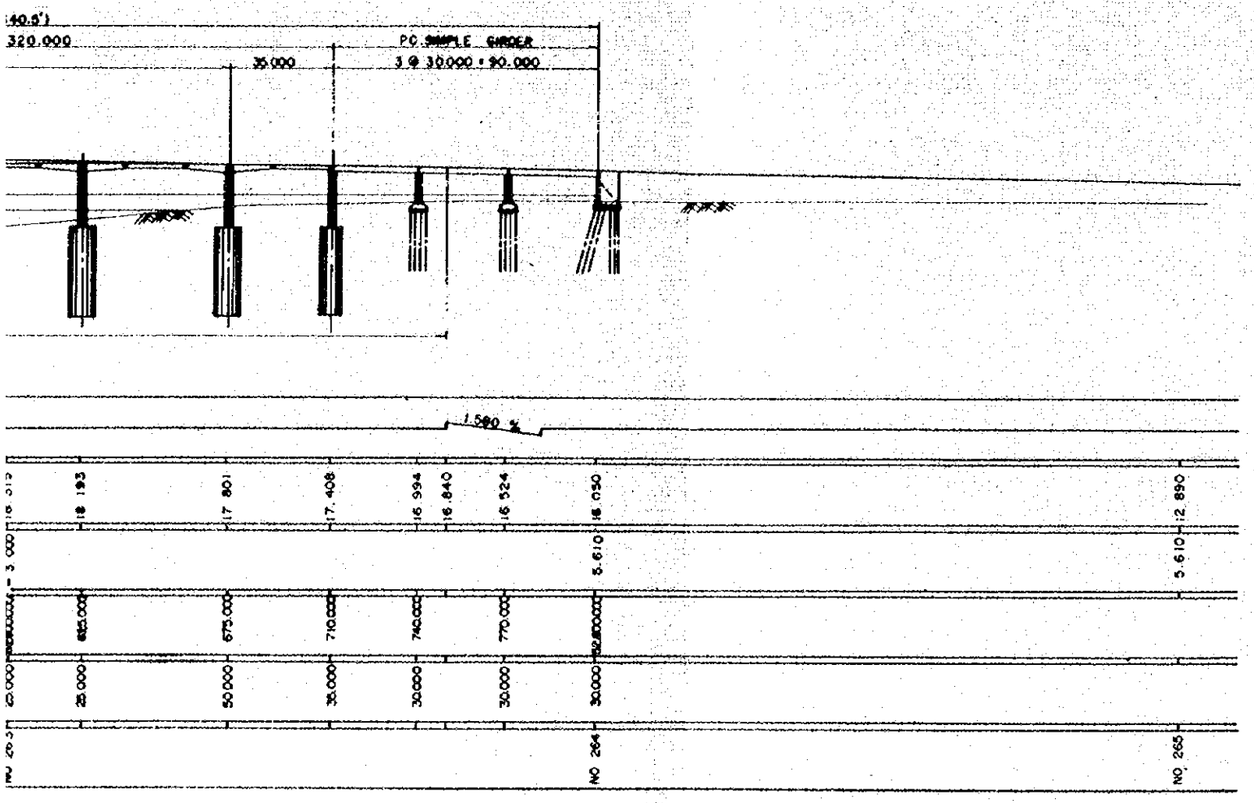


ENLARGED SIDE VIEW

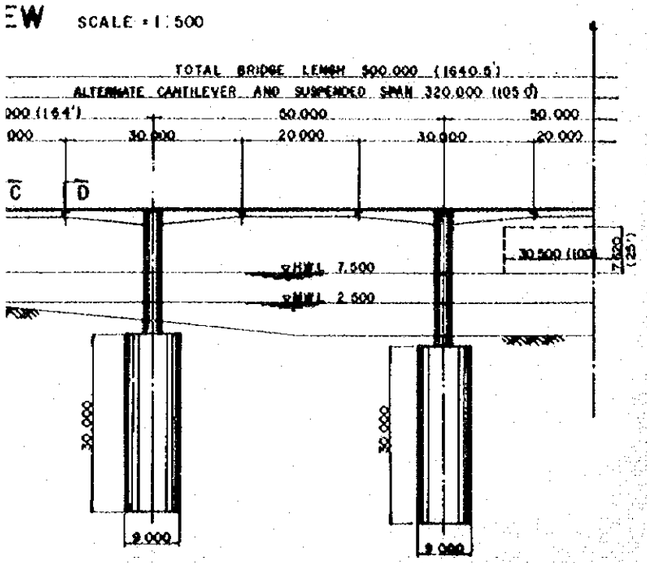
SCALE = 1 : 500



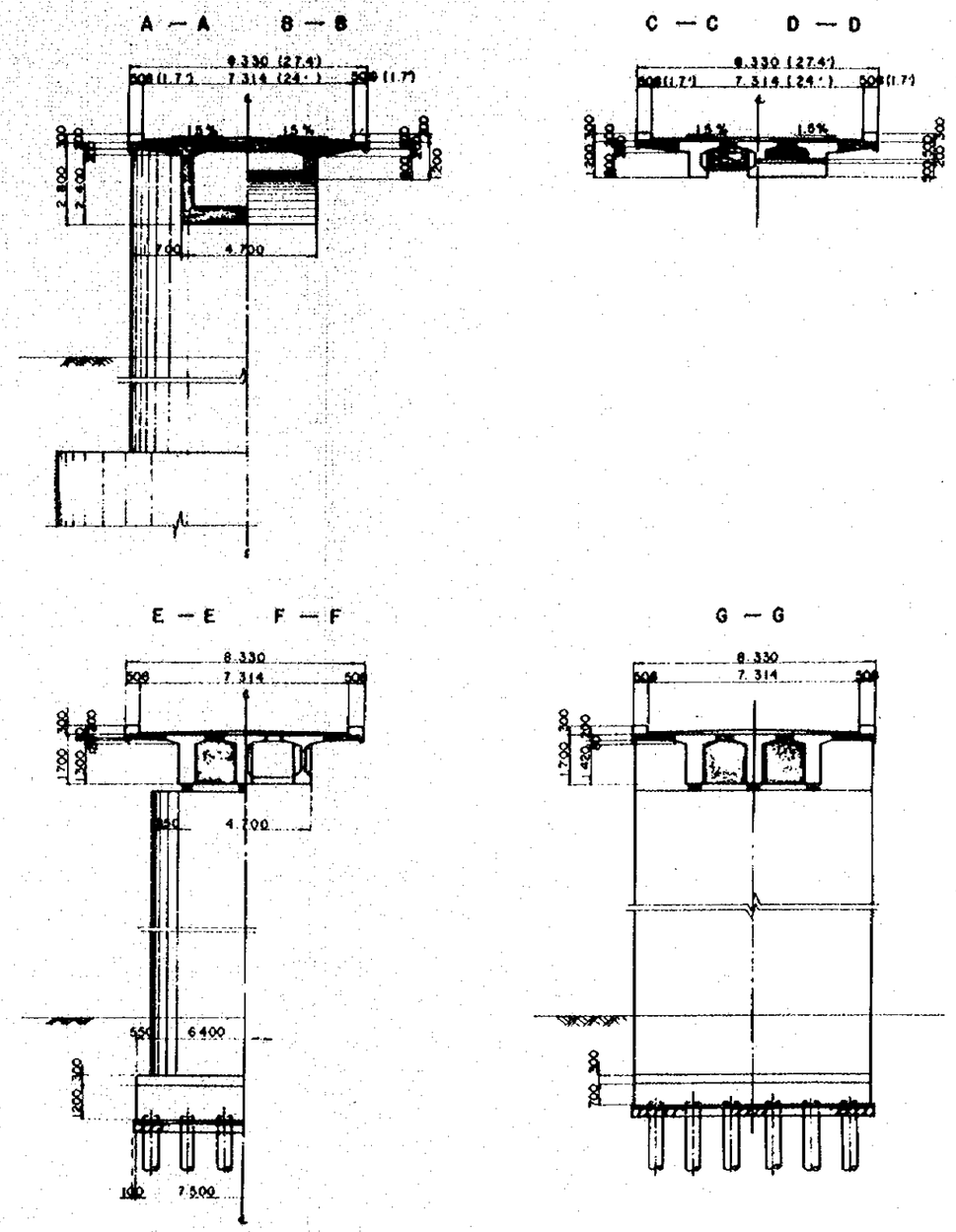
BRIDGE SCALE = 1:1000



EW SCALE = 1:500



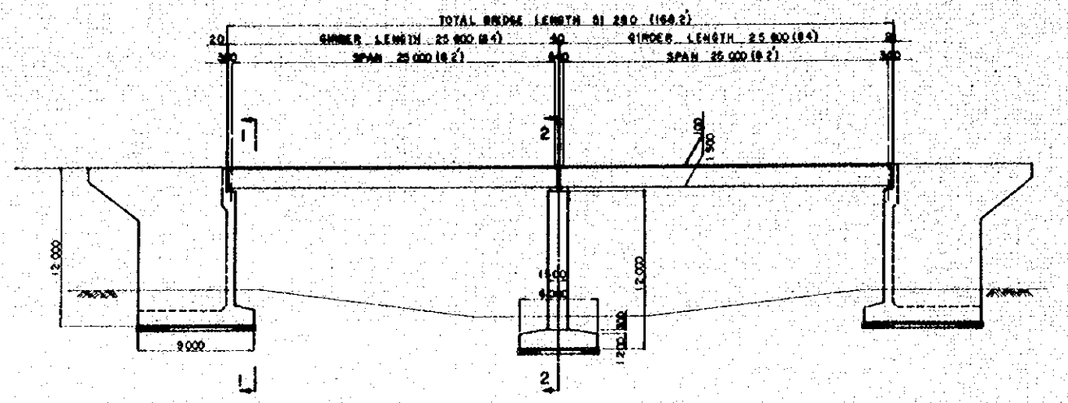
CROSS SECTION



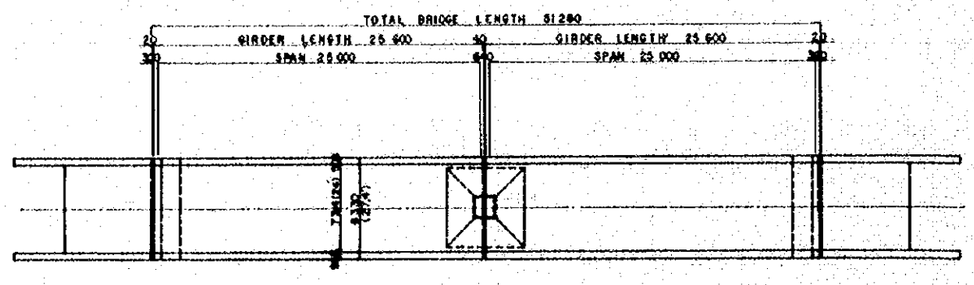
OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN	
HIGHWAY ENGINEERING INSTITUTE, TOKYO	
EAST PAKISTAN DACCA-FARIDPUR ROAD PROJECT	
ARIAL KHAN RIVER BRIDGE PROFILE AND ENLARGED SIDE VIEW	
CHIEF ENG.	SCALE 1:1000, 1:500, 1:100
CHECKED BY	SHEET NO 16
DESIGNED BY	DATE AUG. 1970
DRAWN BY	

GENERAL VIEW
SCALE 1 : 200

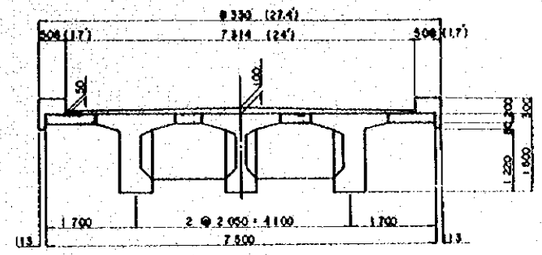
PROFILE



PLAN
SCALE 1 : 200

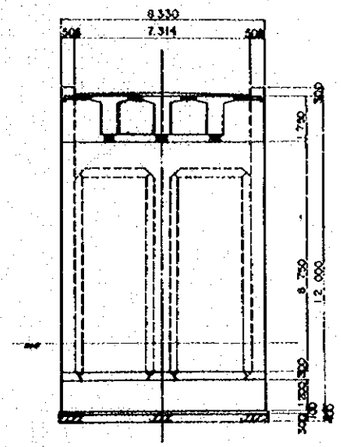


TYPICAL CROSS SECTION
SCALE 1 : 50

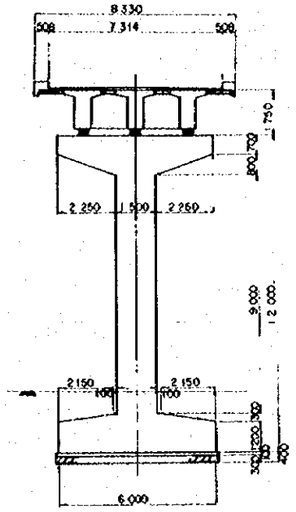


CROSS SECTION
SCALE 1 : 100

1 – 1



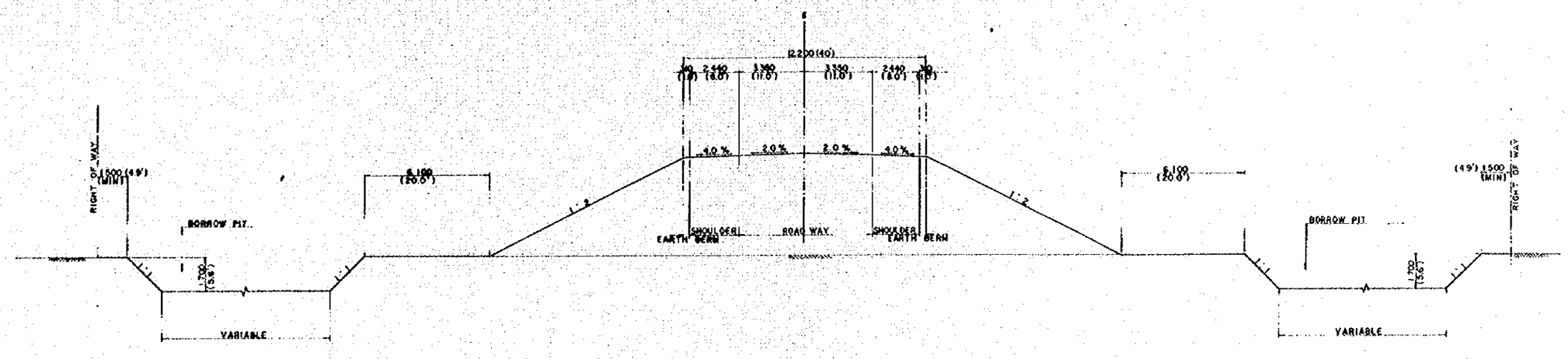
2 – 2



OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN	
HIGHWAY ENGINEERING INSTITUTE, TOKYO	
EAST PAKISTAN DACCA-FARIDPUR ROAD PROJECT	
P.C. GIRDER BRIDGE	
CHIEF ENG. / CHECKED BY / DESIGNED BY / DRAWN BY	SCALE 1:100, 1:50 / SHEET NO. 17 / DATE AUG. 1970

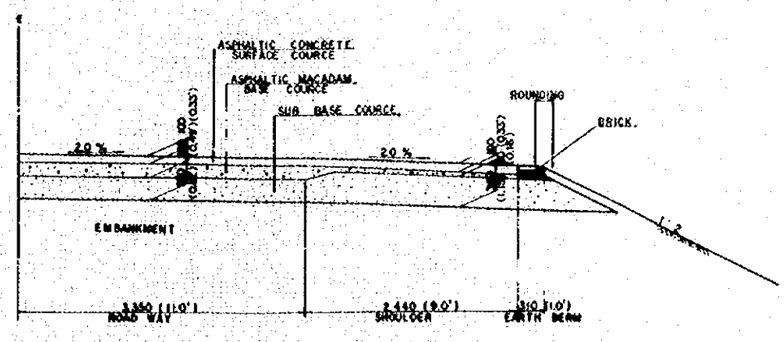
TYPICAL CROSS SECTION

SCALE 1:100



PAVEMENT SECTION

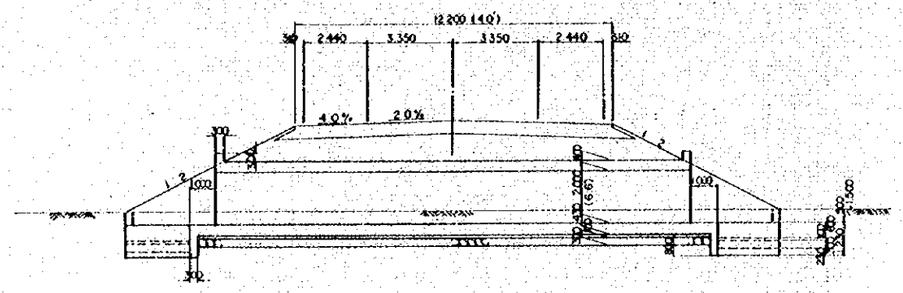
SCALE 1:30



OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN	
HIGHWAY ENGINEERING INSTITUTE, TOKYO	
EAST PAKISTAN	
DACCA-FARIDPUR ROAD PROJECT	
TYPICAL CROSS SECTION AND PAVEMENT	
CHIEF ENG.	SCALE 1:100, 1:30
CHECKED BY	SHEET NO 18
DESIGNED BY H. Takikawa	DATE AUG. 1970
DRAWN BY H. Takikawa	

PROFILE

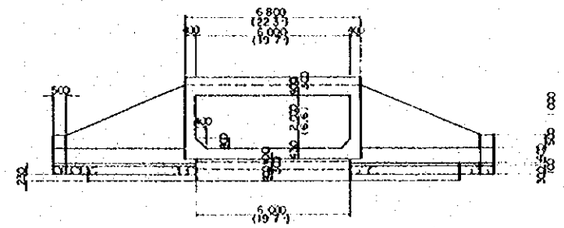
SCALE 1 : 100



CROSS SECTION

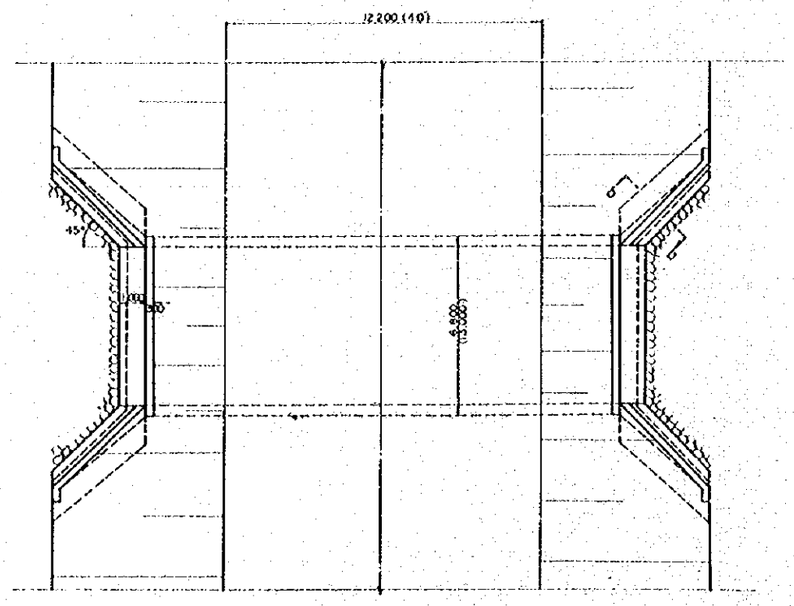
SCALE 1 : 100

6.00 x 2.00

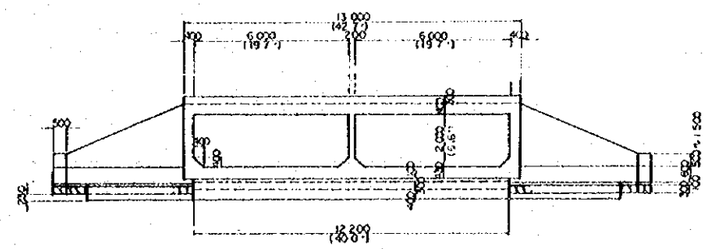


PLAN

SCALE 1 : 100

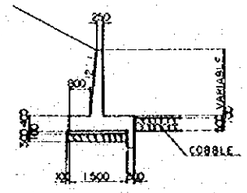


2 @ 6.00 x 2.00



SECTION b-b

SCALE 1 : 100



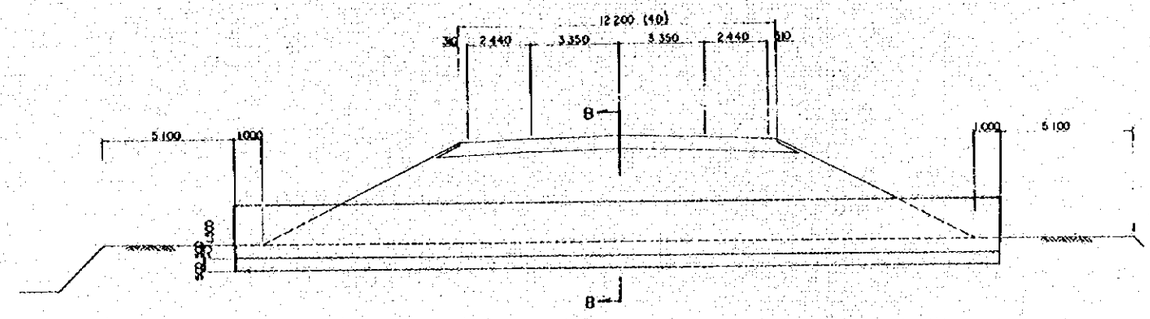
OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN
HIGHWAY ENGINEERING INSTITUTE, TOKYO
EAST PAKISTAN
DACCA-FARIDPUR ROAD PROJECT

CULVERT DETAILS

CHIEF ENG.	SCALE 1 100
CHECKED BY	SHEET NO
DESIGNED BY Y. Takahashi	19
DRAWN BY H. Takahashi	DATE AUG 1970

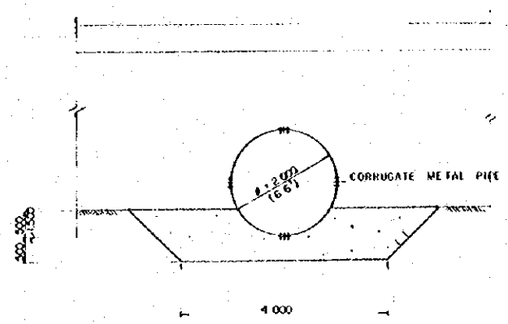
SECTION A-A

SCALE 1 : 100



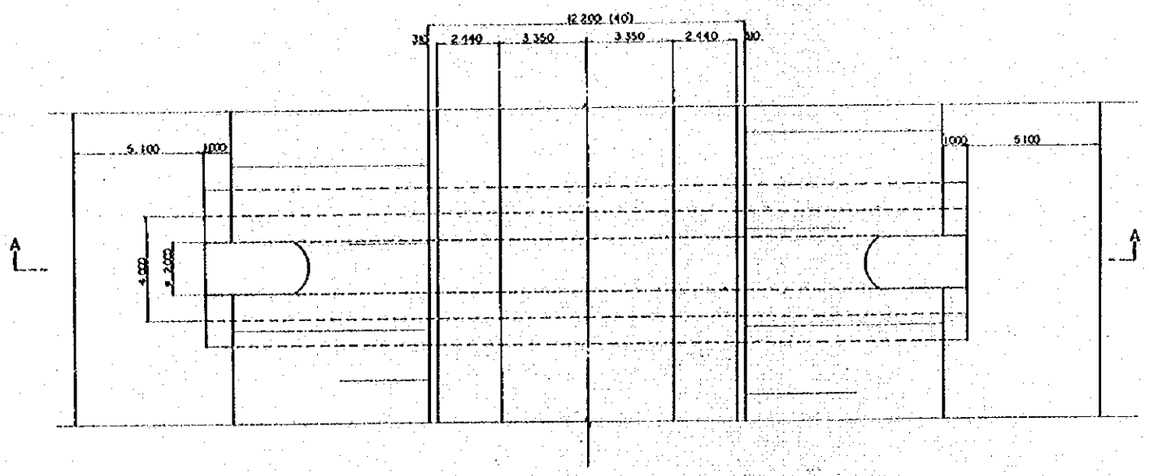
SECTION B-B

SCALE 1 : 50



PLAN

SCALE 1 : 100



OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN

HIGHWAY ENGINEERING INSTITUTE, TOKYO

EAST PAKISTAN

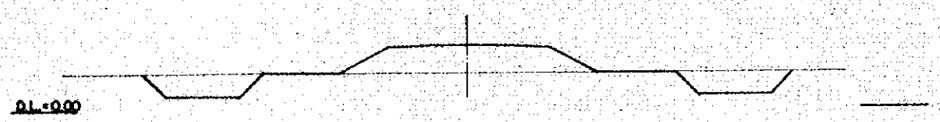
DACCA-FARIDPUR ROAD PROJECT

DRAIN PIPE DETAILS

CHIEF ENG.	SCALE 1 : 100
CHECKED BY	SHEET NO 20
DESIGNED BY	DATE AUG 1970
DRAWN BY	

NO. 15

GH = 2.780
PH = 4.836



NO. 30

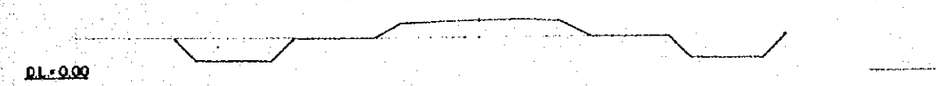
GH = 2.460
PH = 4.350

NO. 25

GH = 2.910
PH = 4.156

NO. 10

GH = 3.420
PH = 3.176

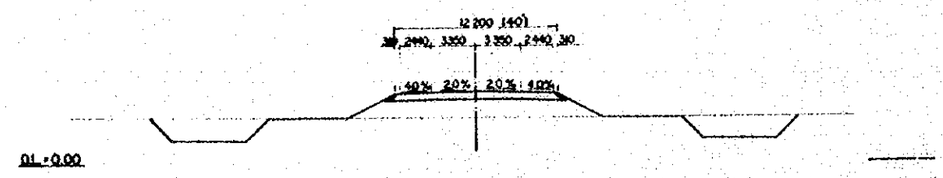


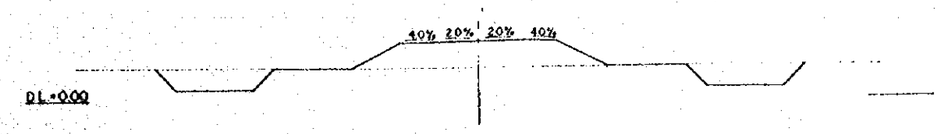
NO. 20

GH = 2.400
PH = 4.496

NO. 5

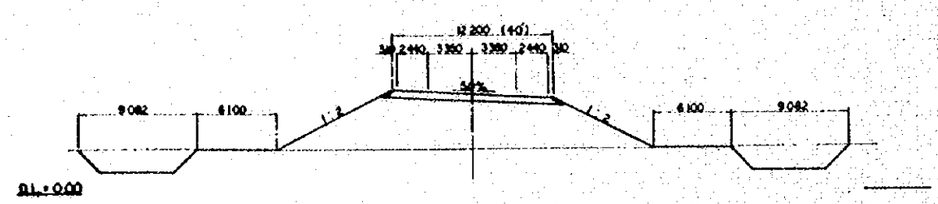
GH = 3.510
PH = 5.516





NO. 0

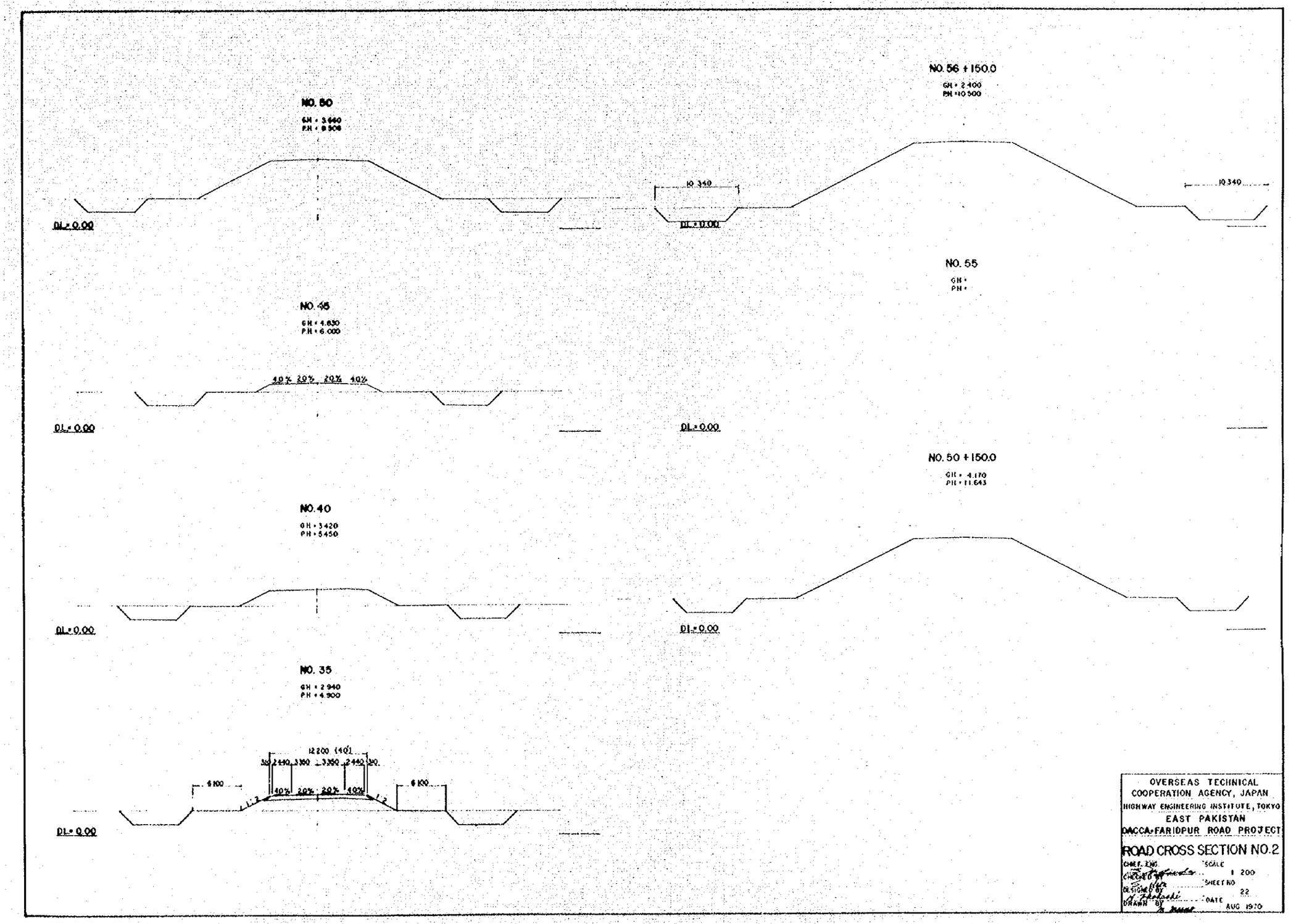
GH = 3.360
PH = 7.600



OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN
HIGHWAY ENGINEERING INSTITUTE, TOKYO
EAST PAKISTAN
DACCA-FARIDPUR ROAD PROJECT

ROAD CROSS SECTION NO. 1

CHIEF ENG	SCALE 1:200
CHECKED BY	SHEET NO 21
DESIGNED BY	DATE AUG 1970
DRAWN BY	



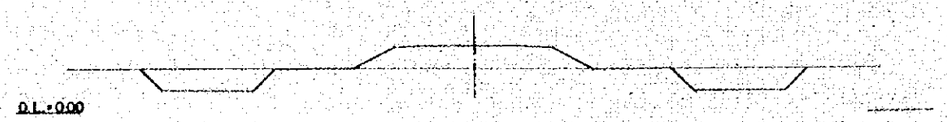
OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN
HIGHWAY ENGINEERING INSTITUTE, TOKYO
EAST PAKISTAN
DACCA-FARIDPUR ROAD PROJECT

ROAD CROSS SECTION NO.2

CHIEF ENG.	SCALE 1 200
CHECKED BY	SHEET NO 22
DESIGNED BY	DATE AUG 1970
DRAWN BY	

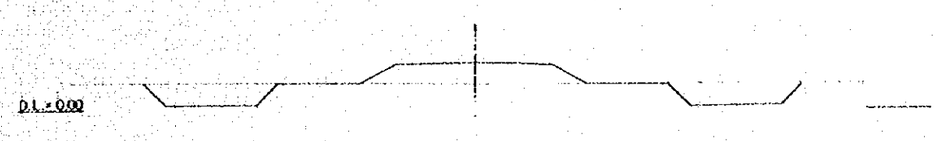
NO. 75

GH = 3.300
PH = 5.000



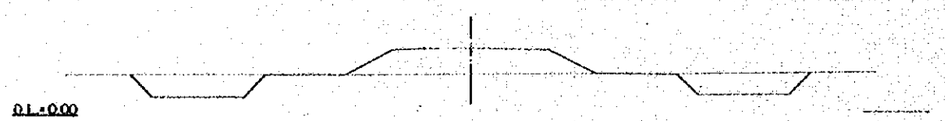
NO. 90

GH = 1.950
PH = 3.527



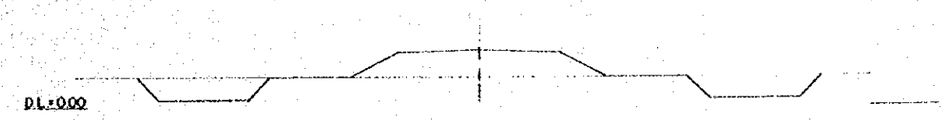
NO. 70

GH = 3.030
PH = 5.000



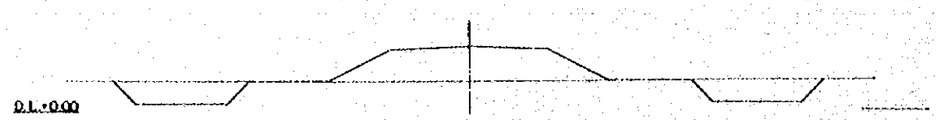
NO. 85

GH = 2.220
PH = 4.336



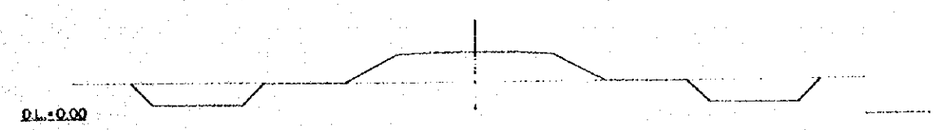
NO. 65

GH = 2.340
PH = 5.000



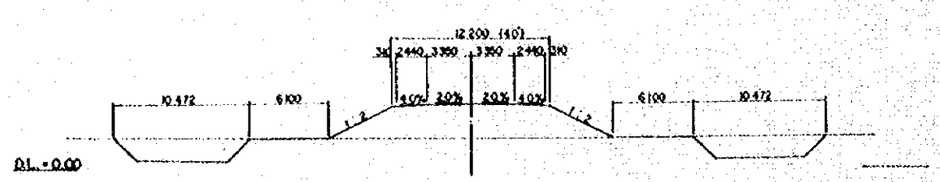
NO. 80

GH = 2.700
PH = 5.000



NO. 60

GH = 2.400
PH = 5.000



OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN

HIGHWAY ENGINEERING INSTITUTE, TOKYO

EAST PAKISTAN

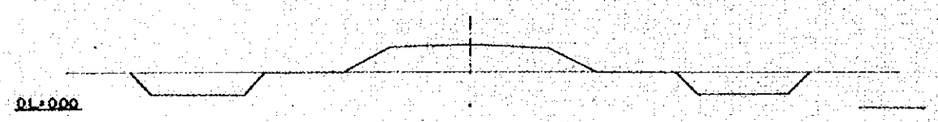
DACCA-FARIDPUR ROAD PROJECT

ROAD CROSS SECTION NO. 3

CHIEF ENG.	SCALE 1 : 200
CHECKED BY	SHEET NO 23
DESIGNED BY	DATE AUG 1970
DRAWN BY	

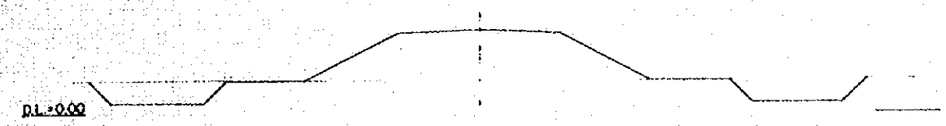
NO. 145

G.H. = 2.760
P.H. = 4.800



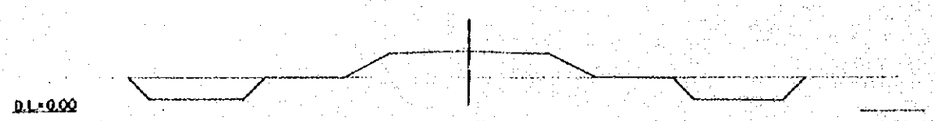
NO. 160

G.H. = 2.460
P.H. = 6.300



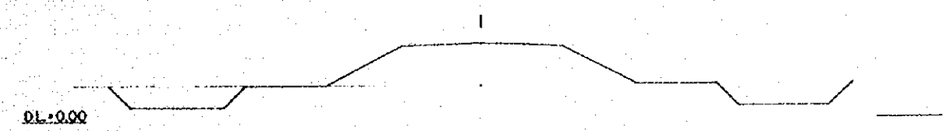
NO. 140

G.H. = 2.550
P.H. = 4.568



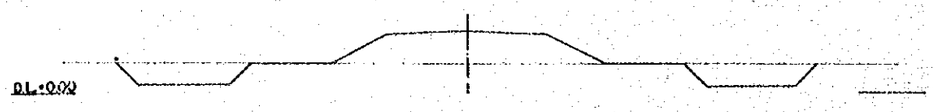
NO. 155

G.H. = 2.640
P.H. = 5.800



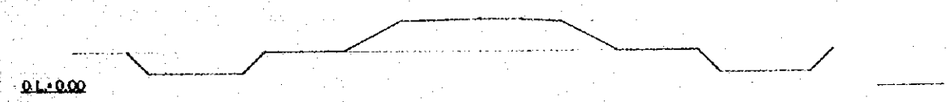
NO. 135

G.H. = 2.400
P.H. = 4.748



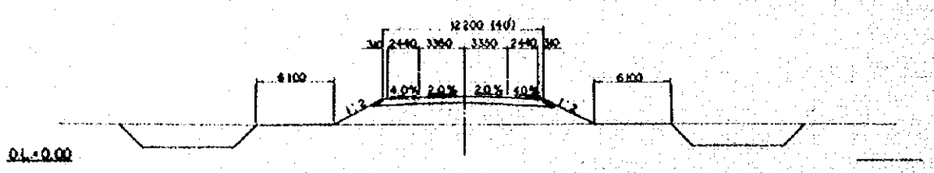
NO. 150

G.H. = 2.910
P.H. = 5.300



NO. 130

G.H. = 2.790
P.H. = 4.928



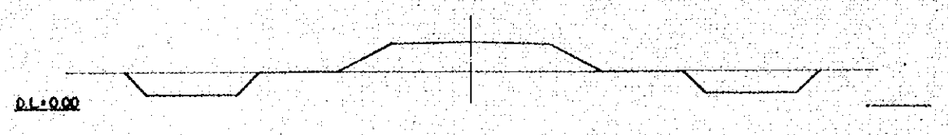
OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN
HIGHWAY ENGINEERING INSTITUTE, TOKYO
EAST PAKISTAN
DACCA-FARIDPUR ROAD PROJECT

ROAD CROSS SECTION NO.4

CHIEF ENG	SCALE 1 200
CHECKED BY	SHEET NO 24
DESIGNED BY	
DRAWN BY	DATE AUG. 1970

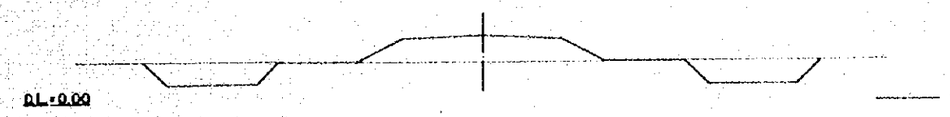
NO. 110

G.H. = 2.700
P.H. = 6.000



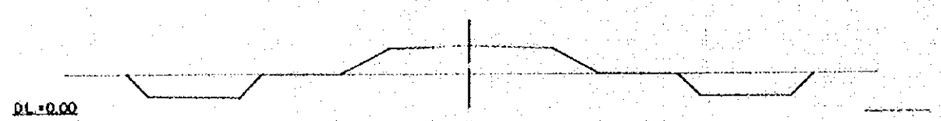
NO. 125

G.H. = 3.000
P.H. = 5.000



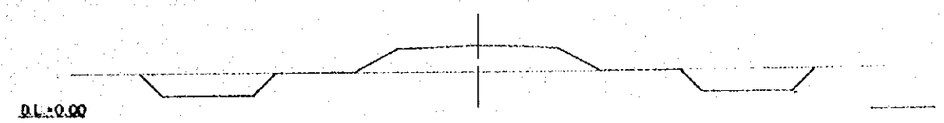
NO. 105

G.H. = 2.880
P.H. = 5.000



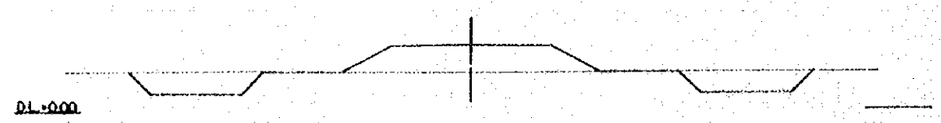
NO. 120

G.H. = 3.090
P.H. = 5.000



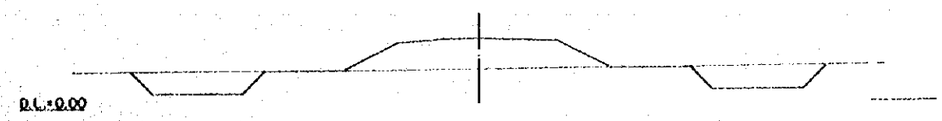
NO. 100

G.H. = 3.000
P.H. = 5.000



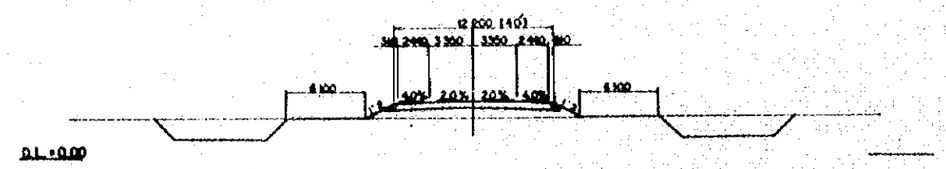
NO. 115

G.H. = 2.760
P.H. = 5.000



NO. 95

G.H. = 3.060
P.H. = 4.336



OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN	
HIGHWAY ENGINEERING INSTITUTE, TOKYO	
EAST PAKISTAN	
DACCA-FARIDPUR ROAD PROJECT	
ROAD CROSS SECTION NO. 5	
CHIEF ENG.	SCALE 1:200
CHECKED BY	SHEET NO 25
DESIGNED BY	
DRAWN BY	DATE AUG. 1970

NO. 175

D.L.=0.00

NO. 170

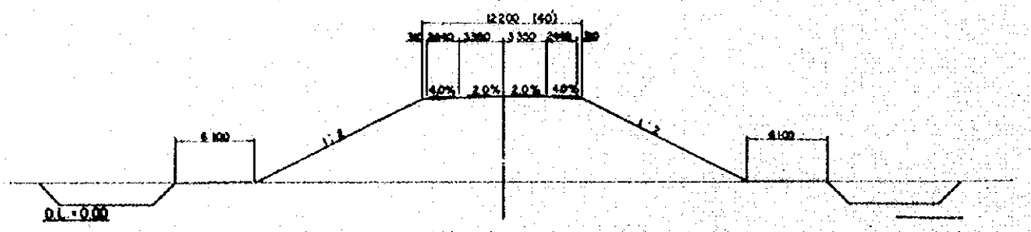
D.L.=0.00

NO. 165

D.L.=0.00

NO. 162 + 0.0

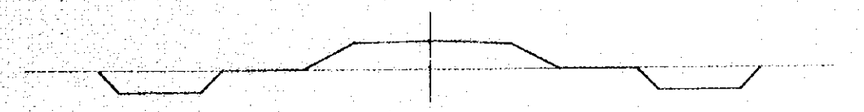
G.H.= 2.790
P.H.= 9.412



D.L.=0.00

NO. 185

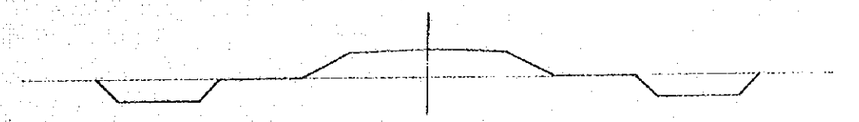
G.H.= 4.900
P.H.= 7.000



D.L.=0.00

NO. 180

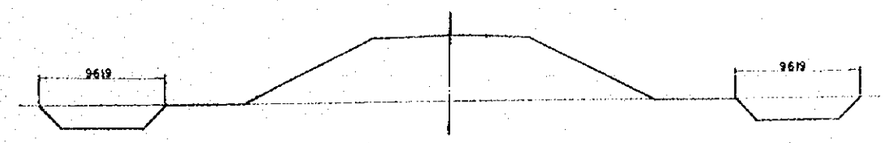
G.H.= 4.900
P.H.= 7.000



D.L.=0.00

NO. 177 + 0.0

G.H.= 4.900
P.H.= 9.935



D.L.=0.00

OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN

HIGHWAY ENGINEERING INSTITUTE, TOKYO

EAST PAKISTAN

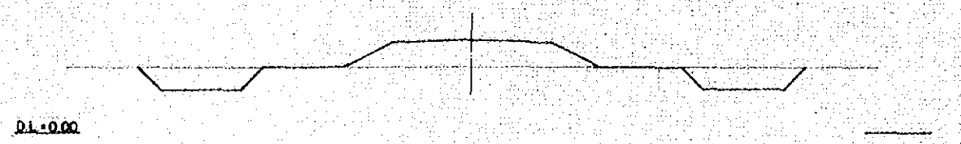
DACCA-FARIDPUR ROAD PROJECT

ROAD CROSS SECTION NO.6

CHIEF ENG.	SCALE 1: 200
CHECKED BY	SHEET NO 26
DESIGNED BY	DATE AUG. 1970
DRAWN BY	

NO. 205

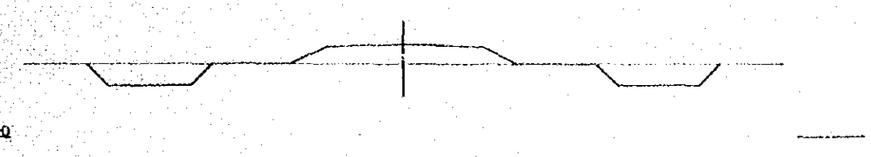
G.H. = 4.900
P.H. = 7.000



D.L. = 0.00

NO. 220

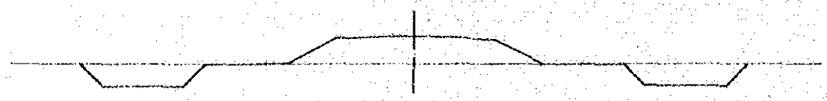
G.H. = 5.550
P.H. = 7.000



D.L. = 0.00

NO. 200

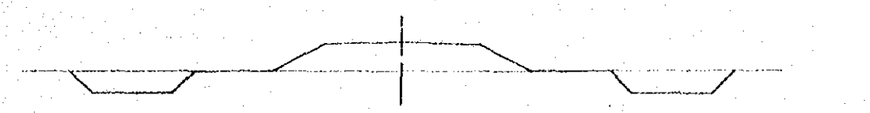
G.H. = 4.900
P.H. = 7.000



D.L. = 0.00

NO. 215

G.H. = 4.900
P.H. = 7.000



D.L. = 0.00

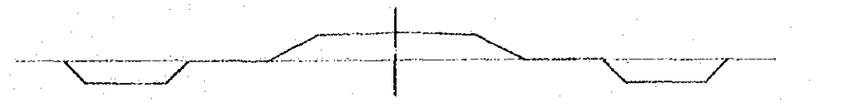
NO. 195

G.H. = 4.900
P.H. = 7.000

D.L. = 0.00

NO. 210

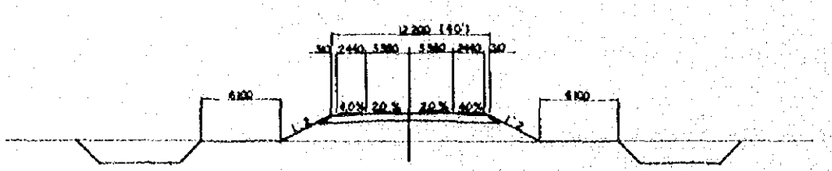
G.H. = 4.900
P.H. = 7.000



D.L. = 0.00

NO. 190

G.H. = 4.900
P.H. = 7.000

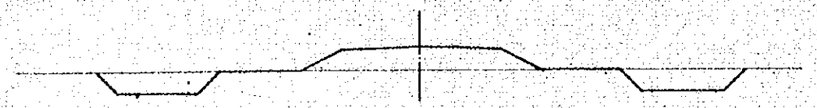


D.L. = 0.00

OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN HIGHWAY ENGINEERING INSTITUTE, TOKYO	
EAST PAKISTAN DACCA-FARIDPUR ROAD PROJECT	
ROAD CROSS SECTION NO. 7	
CHIEF ENG.	SCALE 1:200
CHECKED BY	SHEET NO 27
DESIGNED BY	DATE AUG. 1970
DRAWN BY	

NO. 240

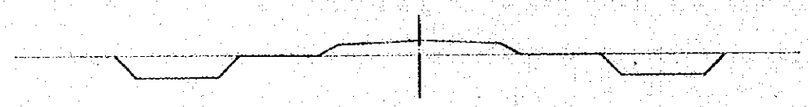
G.H. = 4.110
P.H. = 5.884



D.L. = 0.00

NO. 235

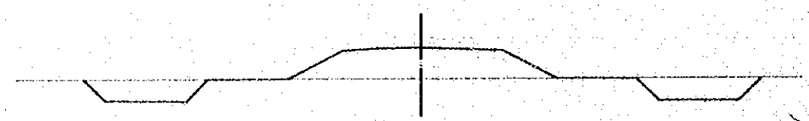
G.H. = 5.160
P.H. = 6.194



D.L. = 0.00

NO. 230

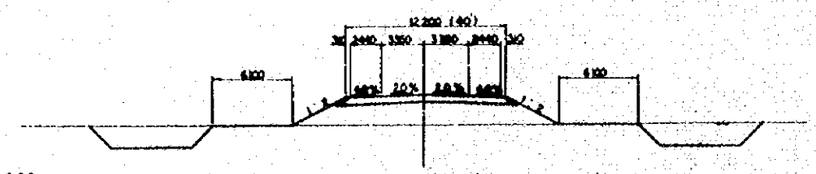
G.H. = 4.200
P.H. = 6.504



D.L. = 0.00

NO. 225

G.H. = 4.530
P.H. = 6.8M



D.L. = 0.00

NO. 255

G.H. = 2.970
P.H. = 4.984

D.L. = 0.00

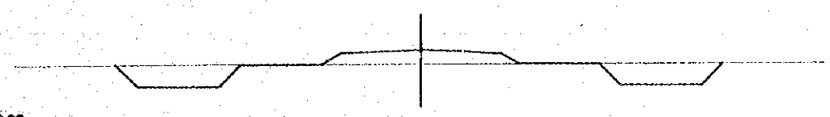
NO. 250

G.H. = 4.050
P.H. = 5.264

D.L. = 0.00

NO. 245

G.H. = 4.530
P.H. = 5.5M



D.L. = 0.00

OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN

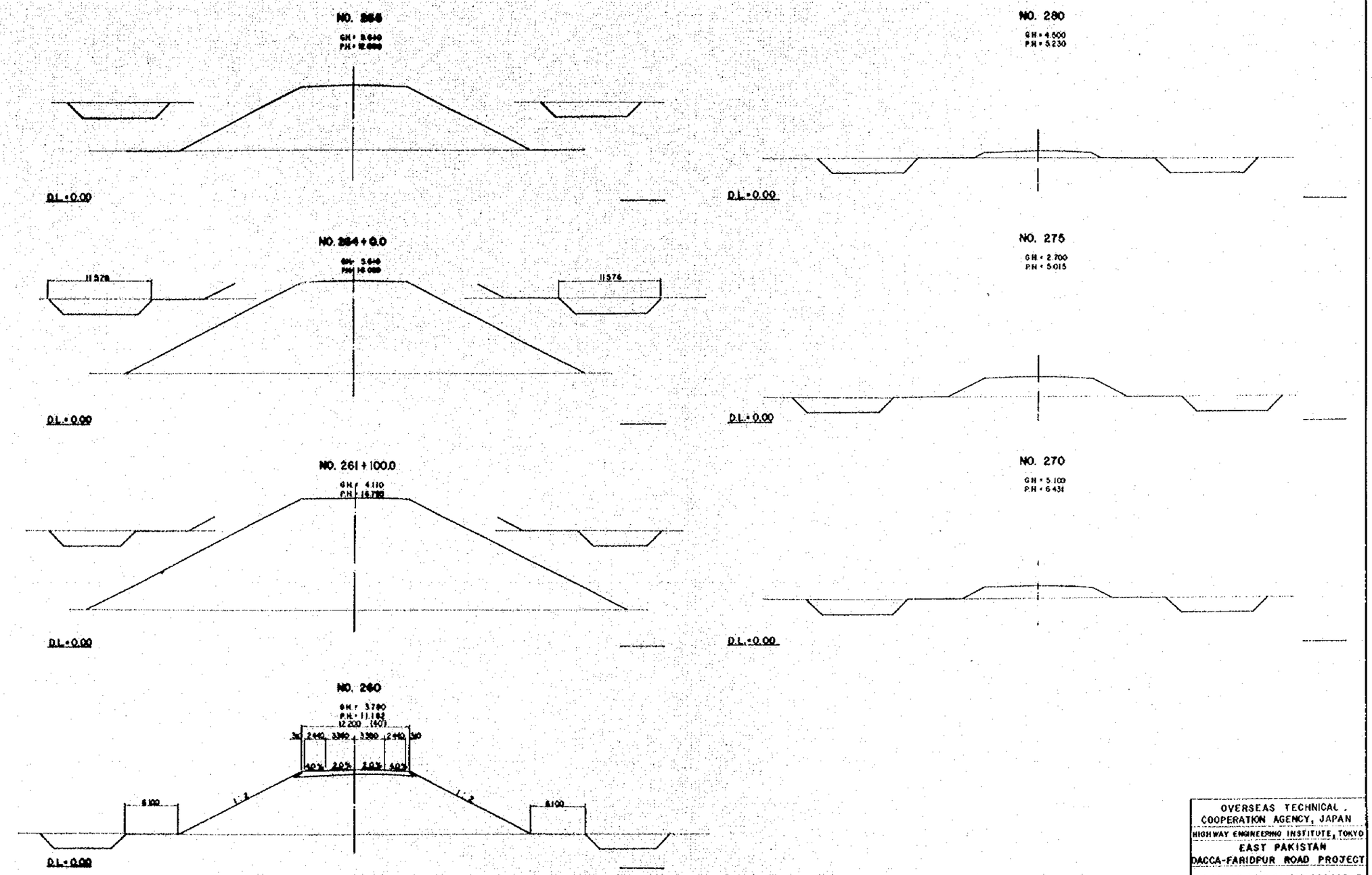
HIGHWAY ENGINEERING INSTITUTE, TOKYO

EAST PAKISTAN

DACCA-FARIDPUR ROAD PROJECT

ROAD CROSS SECTION NO. 8

CHECK. ENG.	SCALE 1:200
CHECKED BY	SHEET NO 26
DESIGNED BY	DATE AUG. 1970
DRAWN BY	



OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN

HIGHWAY ENGINEERING INSTITUTE, TOKYO

EAST PAKISTAN

DACCA-FARIDPUR ROAD PROJECT

ROAD CROSS SECTION NO. 9

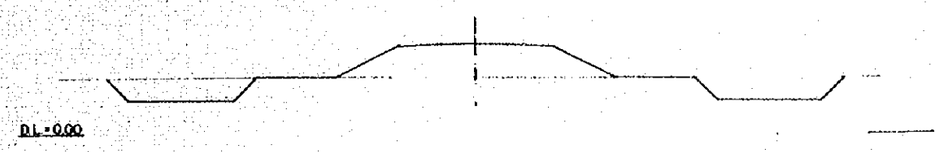
CHIEF ENG.	SCALE 1:200
CHECKED BY	SHEET NO. 29
DESIGNED BY H. Takahashi	DATE AUG. 1970
DRAWN BY	

NO. 300

G.H = 4.360
P.H = 6.150

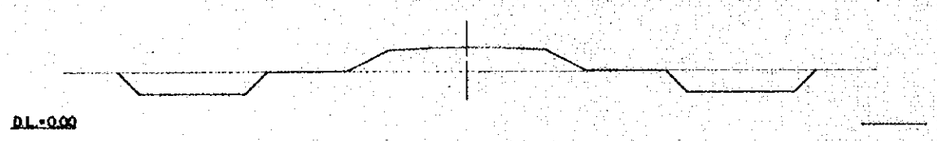
NO. 315

G.H = 4.320
P.H = 6.840



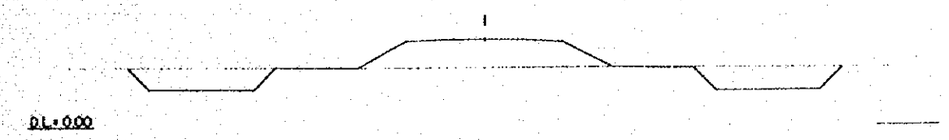
NO. 295

G.H = 4.200
P.H = 5.920



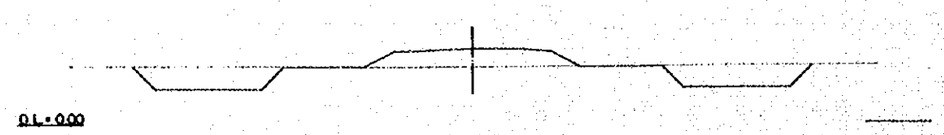
NO. 310

G.H = 4.440
P.H = 6.610



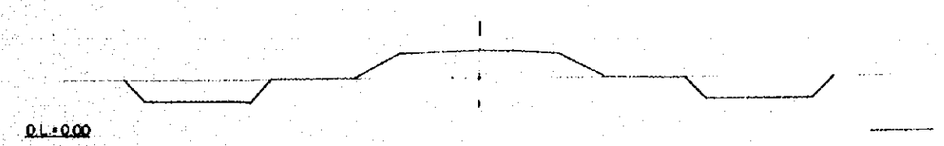
NO. 290

G.H = 4.380
P.H = 5.690



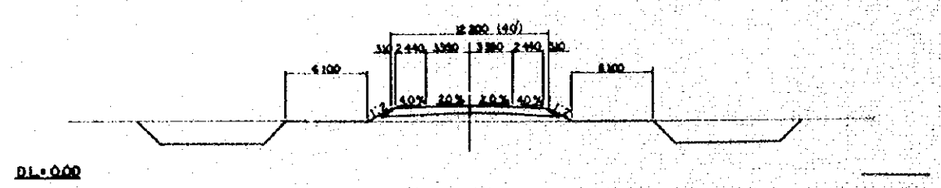
NO. 305

G.H = 4.260
P.H = 6.380



NO. 285

G.H = 4.350
P.H = 5.460



OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN

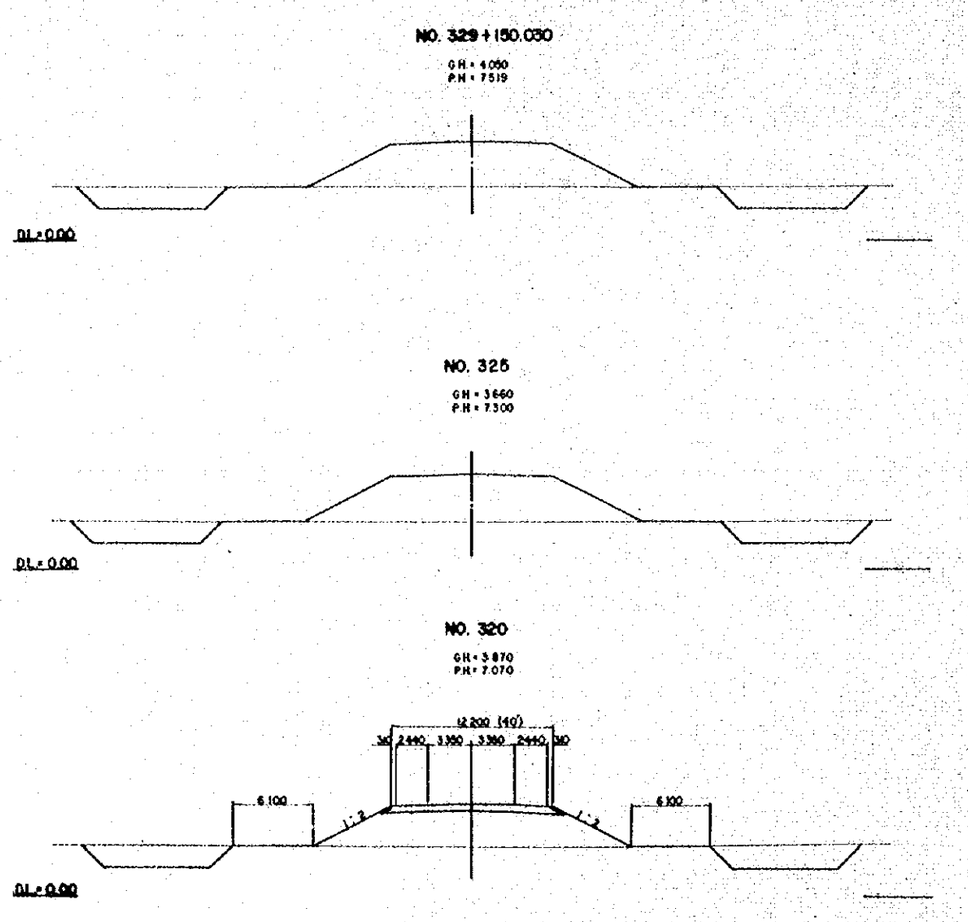
HIGHWAY ENGINEERING INSTITUTE, TOKYO

EAST PAKISTAN

DACCA-FARIDPUR ROAD PROJECT

ROAD CROSS SECTION NO.10

DRAWN BY	SCALE 1:200
CHECKED BY	SHEET NO 30
DESIGNED BY	DATE AUG. 1970

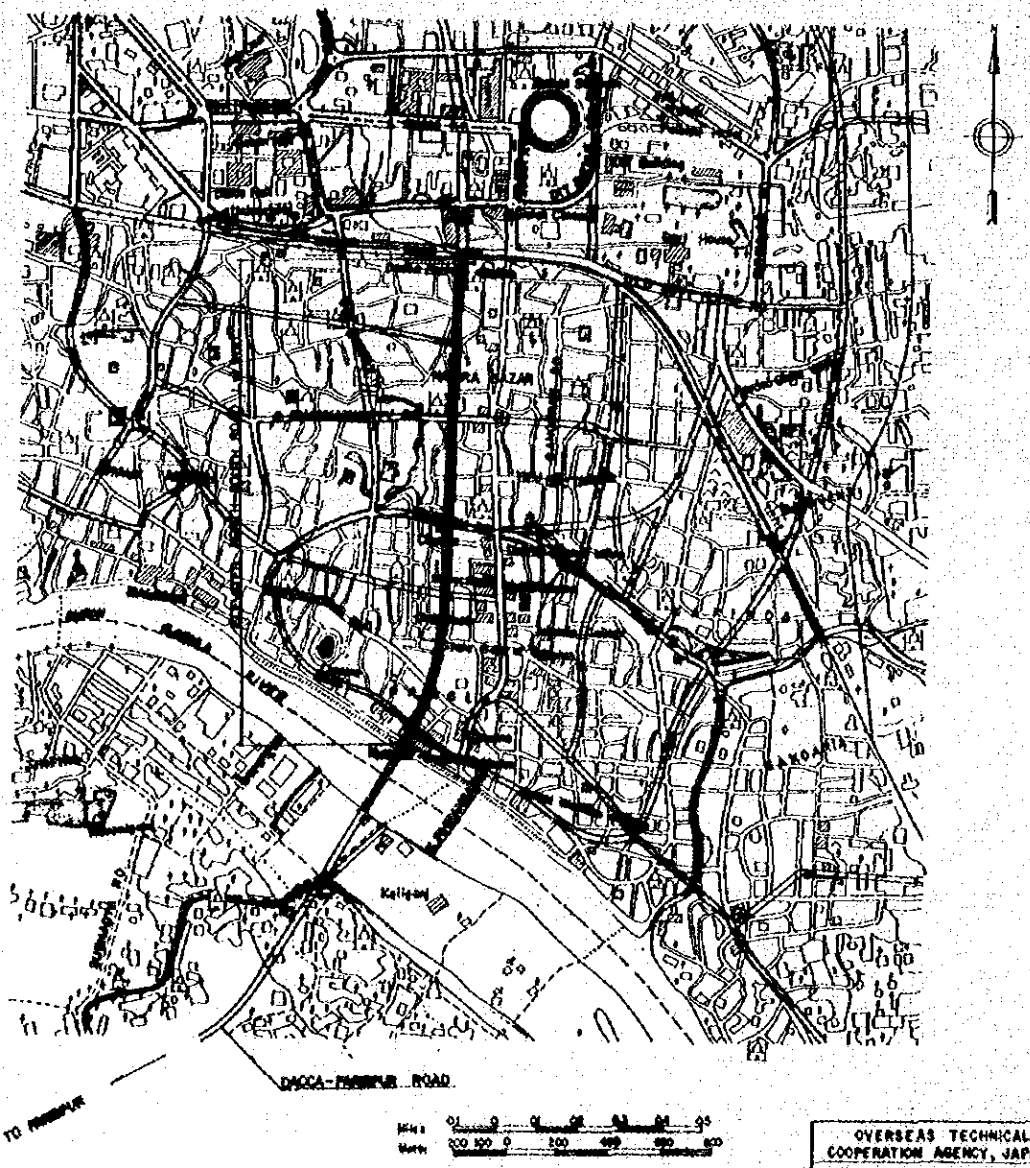


OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN
HIGHWAY ENGINEERING INSTITUTE, TOKYO
EAST PAKISTAN
DACCA-FARIDPUR ROAD PROJECT

ROAD CROSS SECTION NO.11

CHIEF ENG.	SCALE 1 : 200
CHECKED BY	SHEET NO 31
DESIGNED BY H. Takahashi	DATE AUG 1970
DRAWN BY	

DACCA NORTH-SOUTH ROAD PLAN



OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN

EAST PAKISTAN

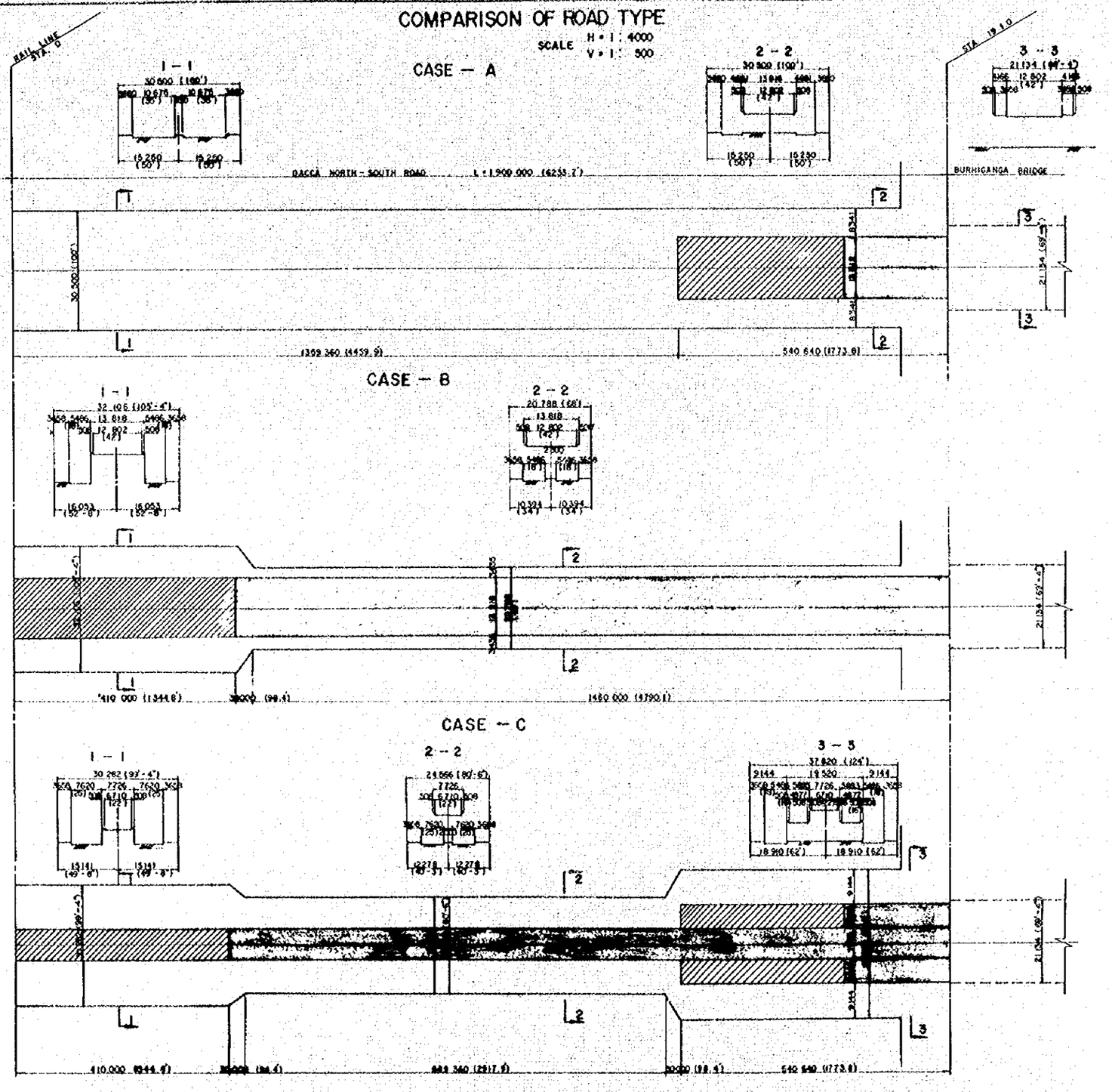
DACCA-FARIDPUR ROAD PROJECT

DACCA NORTH-SOUTH ROAD PLAN

SCALE	1:10,000
SHEET NO	32
DATE	AUG 1970

COMPARISON OF ROAD TYPE

SCALE H = 1 : 4000
V = 1 : 500



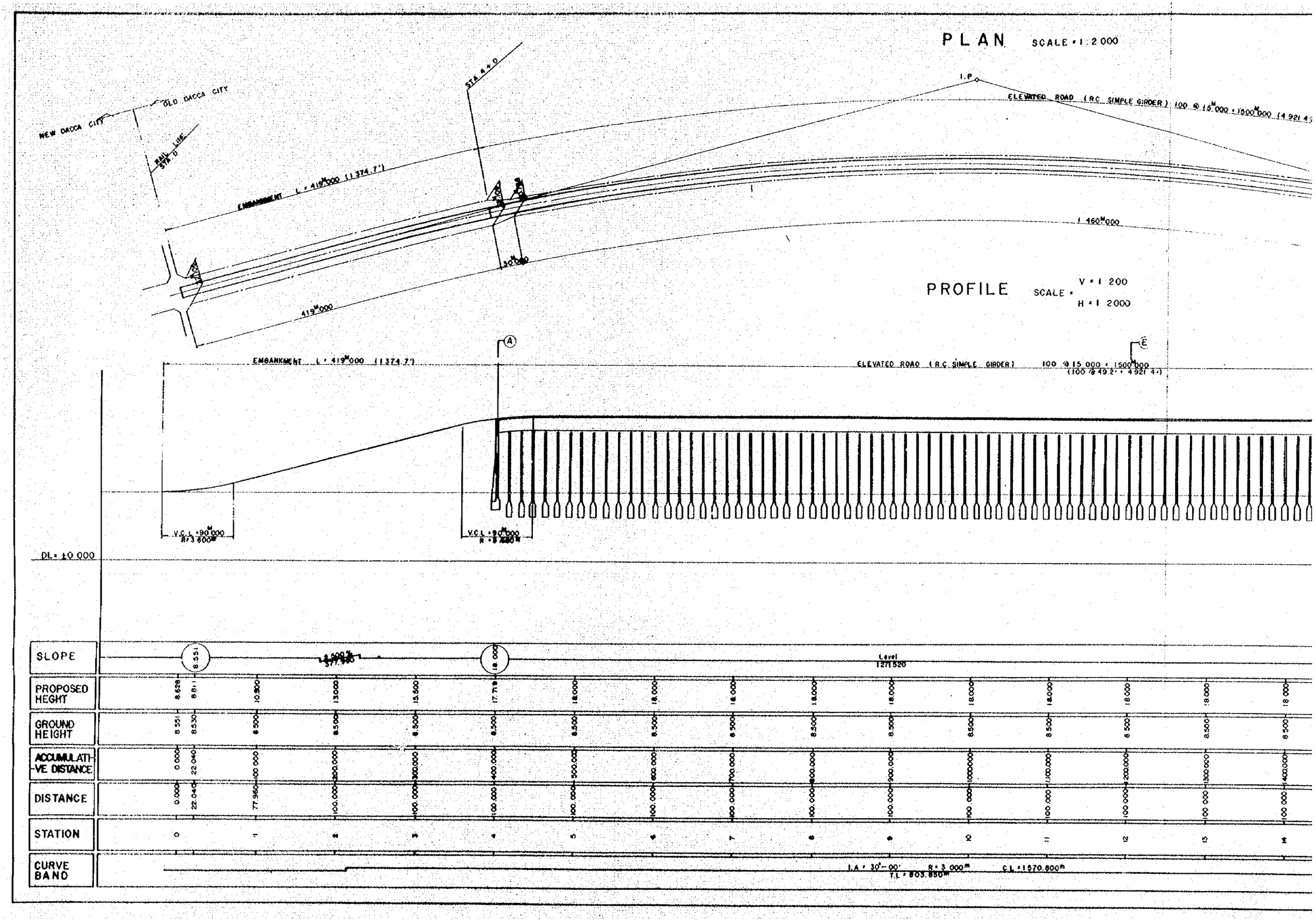
CASE	LAND ACQUIRED BY ROAD
CASE - A	57 950.0 m²
CASE - B	44 596.3 m²
CASE - C	56 157.1 m²

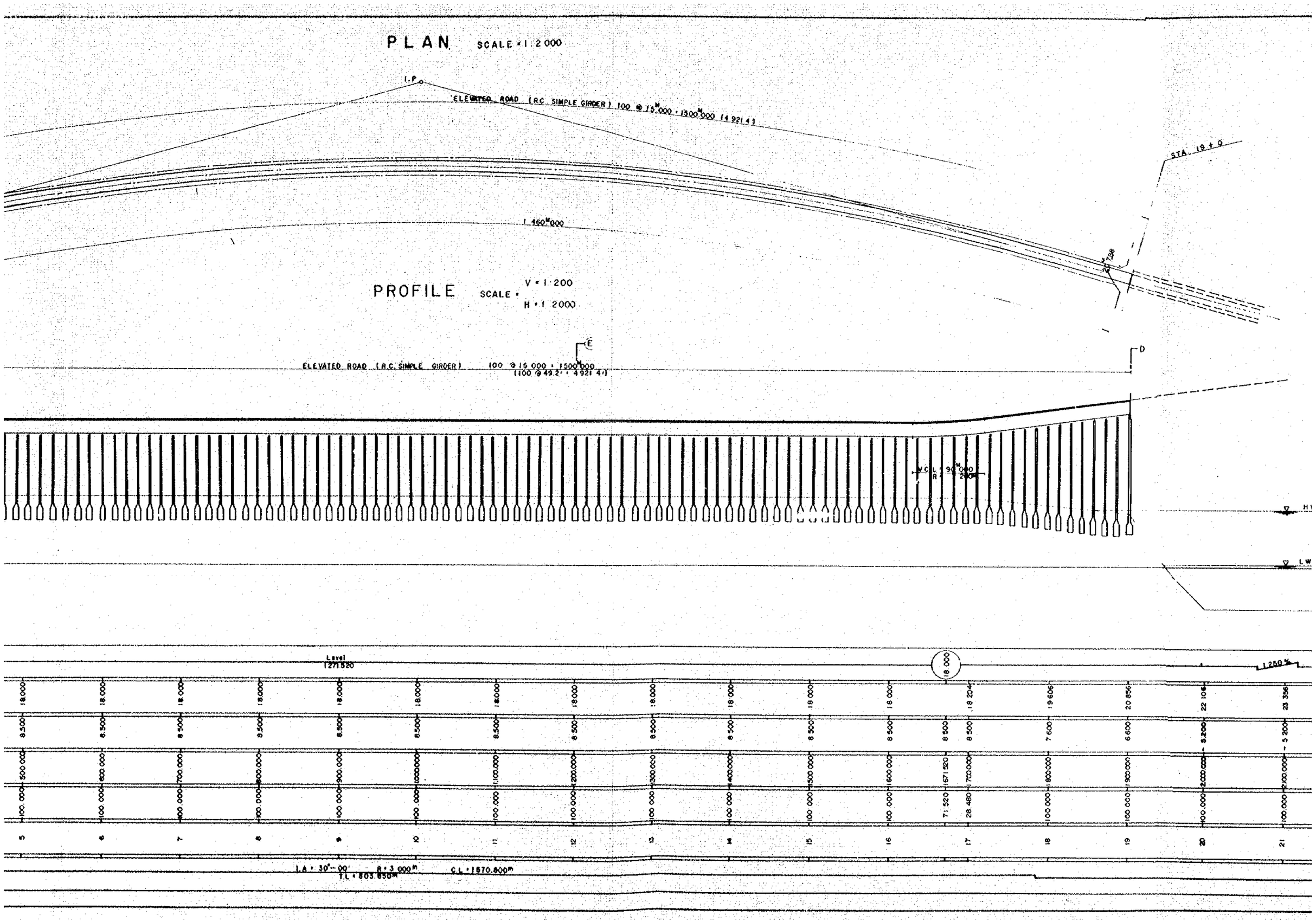
OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN
HIGHWAY ENGINEERING INSTITUTE, TOKYO

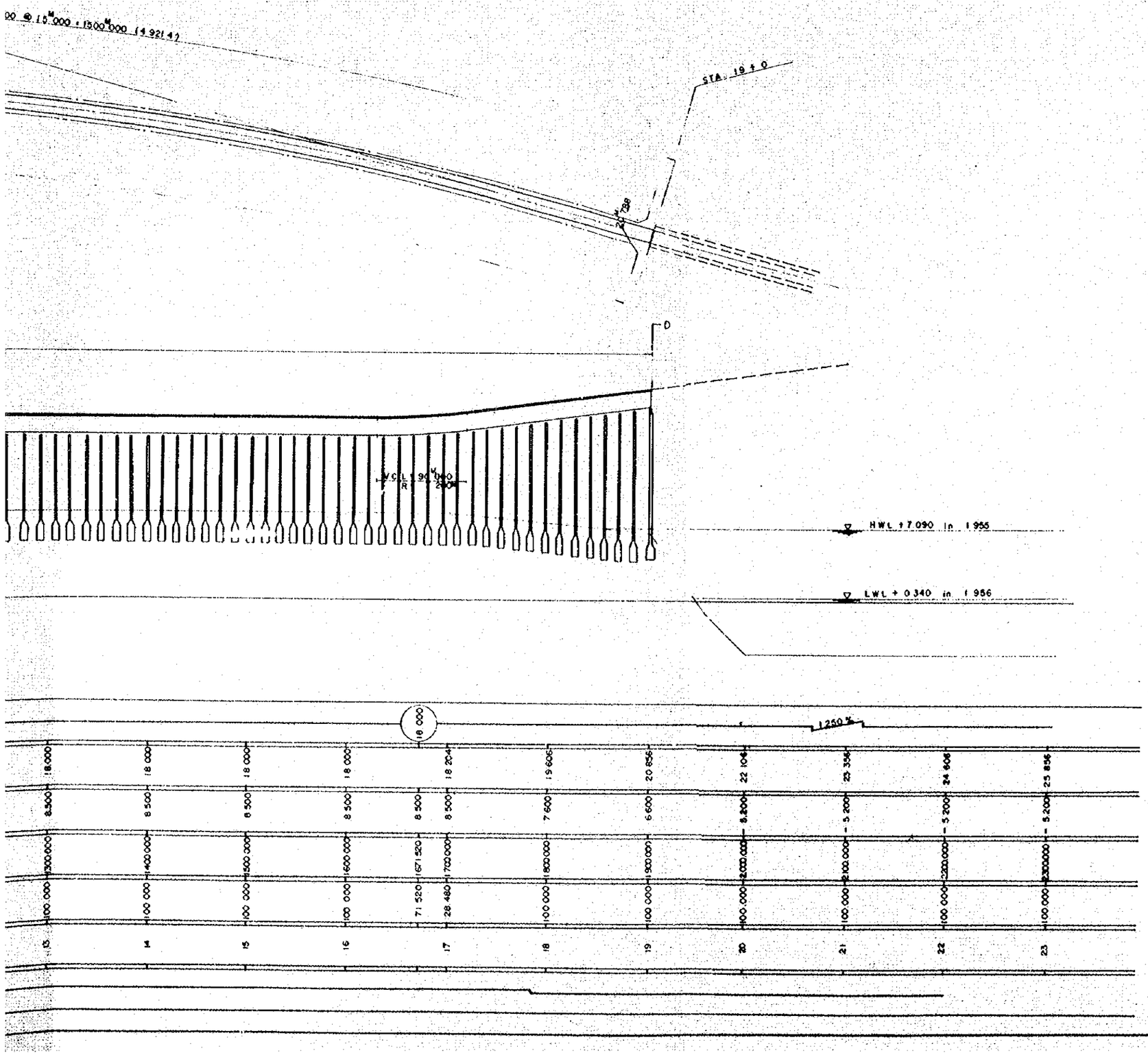
EAST PAKISTAN
DACCA-FARIDPUR ROAD PROJECT
DACCA NORTH-SOUTH ROAD PROJECT
COMPARISON OF ROAD CASE

CHIEF ENG.
CHECKED BY
DESIGNED BY
DRAWN BY

SCALE 1:4000, 1:500
SHEET NO 33
DATE AUG. 1970


PLAN SCALE = 1:2 000
NEW DACCA CITY
OLD DACCA CITY
RAIL LINE STA 0
STA 4+0
I.P.
ELEVATED ROAD (R.C. SIMPLE GIRDER) 100 @ 15.000 = 1500.000 (4 921.4')
EMBANKMENT L = 419.000 (1 374.7')
1 460.000
30.000
419.000
PROFILE SCALE = V = 1 200 H = 1 2000
A
E
EMBANKMENT L = 419.000 (1 374.7')
ELEVATED ROAD (R.C. SIMPLE GIRDER) 100 @ 15 000 = 1500.000 (100 @ 49.2' = 4 921.4')
V.C.L. = 90.000 R = 3 600
V.C.L. = 90.000 R = 3 600
DL = ±0 000
SLOPE
8.551
18.000
Level 1271520
PROPOSED HEGHT
8.628
8.811
10.900
13.000
15.500
17.719
18.000
18.000
18.000
18.000
18.000
18.000
18.000
18.000
18.000
18.000
GROUND HEIGHT
8.551
8.530
8.500
8.500
8.500
8.500
8.500
8.500
8.500
8.500
8.500
8.500
8.500
8.500
8.500
8.500
ACCUMULATIVE DISTANCE
0.000
22.040
100.000
200.000
300.000
400.000
500.000
600.000
700.000
800.000
900.000
1000.000
1100.000
1200.000
1300.000
1400.000
DISTANCE
0.000
22.040
77.960
100.000
100.000
100.000
100.000
100.000
100.000
100.000
100.000
100.000
100.000
100.000
100.000
100.000
STATION
0
1
2
3
4
5
6
7
8
9
10
11
12
13
14
CURVE BAND
I.A. = 30°-00' R = 3 000m C.L. = 1570.800m
T.L. = 803.850m

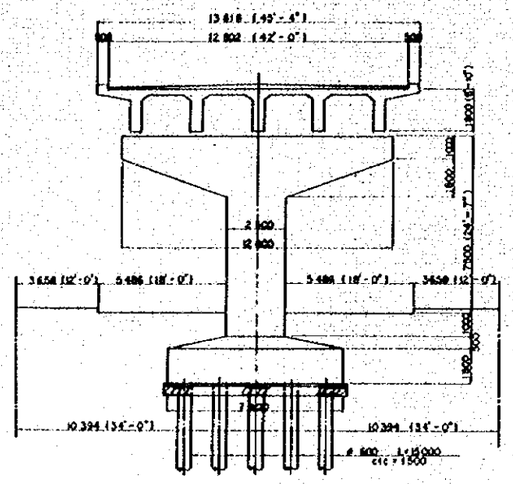

PLAN SCALE = 1:2000
I.P.
ELEVATED ROAD (R.C. SIMPLE GIRDER) 100 @ 15.000 = 1500.000 (4921.4)
STA. 19+0
1460.000
PROFILE SCALE = V = 1:200 H = 1:2000
E
D
ELEVATED ROAD (R.C. SIMPLE GIRDER) 100 @ 15.000 = 1500.000 (100 @ 49.2' = 4921.4')
V.C.L. = 90.000
R = 200
H.W.
L.W.
Level 1271.520
18.000
1250%
18.000 18.000 18.000 18.000 18.000 18.000 18.000 18.000 18.000 18.000 18.000 18.000 18.000 18.000 18.204 19.606 20.856 22.106 23.356
8.500 8.500 8.500 8.500 8.500 8.500 8.500 8.500 8.500 8.500 8.500 8.500 8.500 8.500 8.500 7.600 6.600 5.200 5.200
500.000 600.000 700.000 800.000 900.000 1.000.000 1.100.000 1.200.000 1.300.000 1.400.000 1.500.000 1.600.000 1.671.520 1.700.000 1.800.000 1.900.000 2.000.000 2.100.000
100.000 100.000 100.000 100.000 100.000 100.000 100.000 100.000 100.000 100.000 100.000 100.000 71.520 28.480 100.000 100.000 100.000 100.000
5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21
I.A. = 30°-00' R = 3.000m C.L. = 1670.800m
T.L. = 803.850m

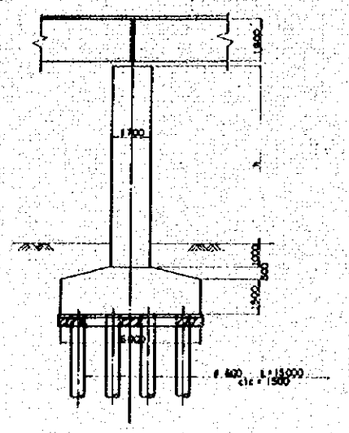


OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN	
HIGHWAY ENGINEERING INSTITUTE, TOKYO	
EAST PAKISTAN DACCA-FARIDPUR ROAD PROJECT DACCA NORTH-SOUTH ROAD PROJECT CASE 8 PLAN AND PROFILE	
CHIEF ENG.	SCALE 1:200 1:2000
CHECKED BY	SHEET NO 34
DESIGNED BY	
DRAWN BY	DATE AUG. 1970

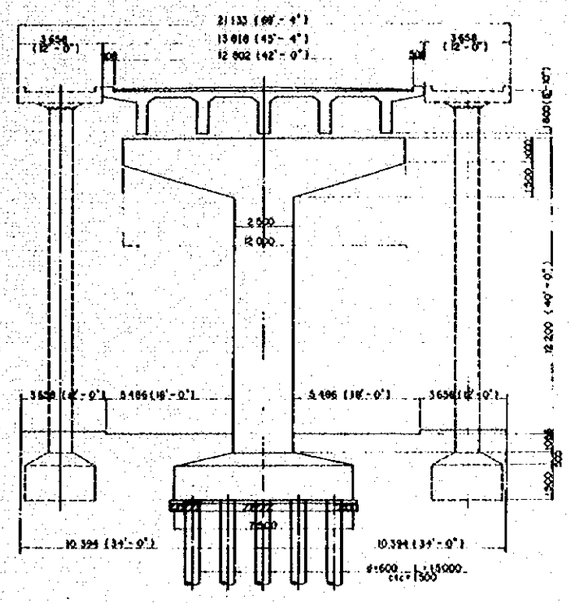
DACCA NORTH-SOUTH ROAD GENERAL SECTION
CASE — B

SECTION Ⓔ~Ⓔ'
STA 12+0.00

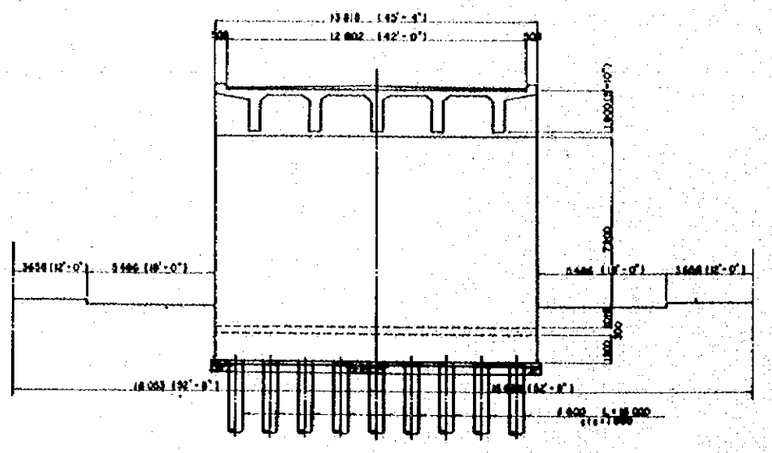


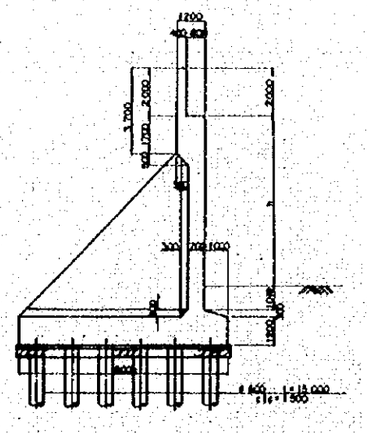


SECTION Ⓓ~Ⓓ
STA 19+0.00

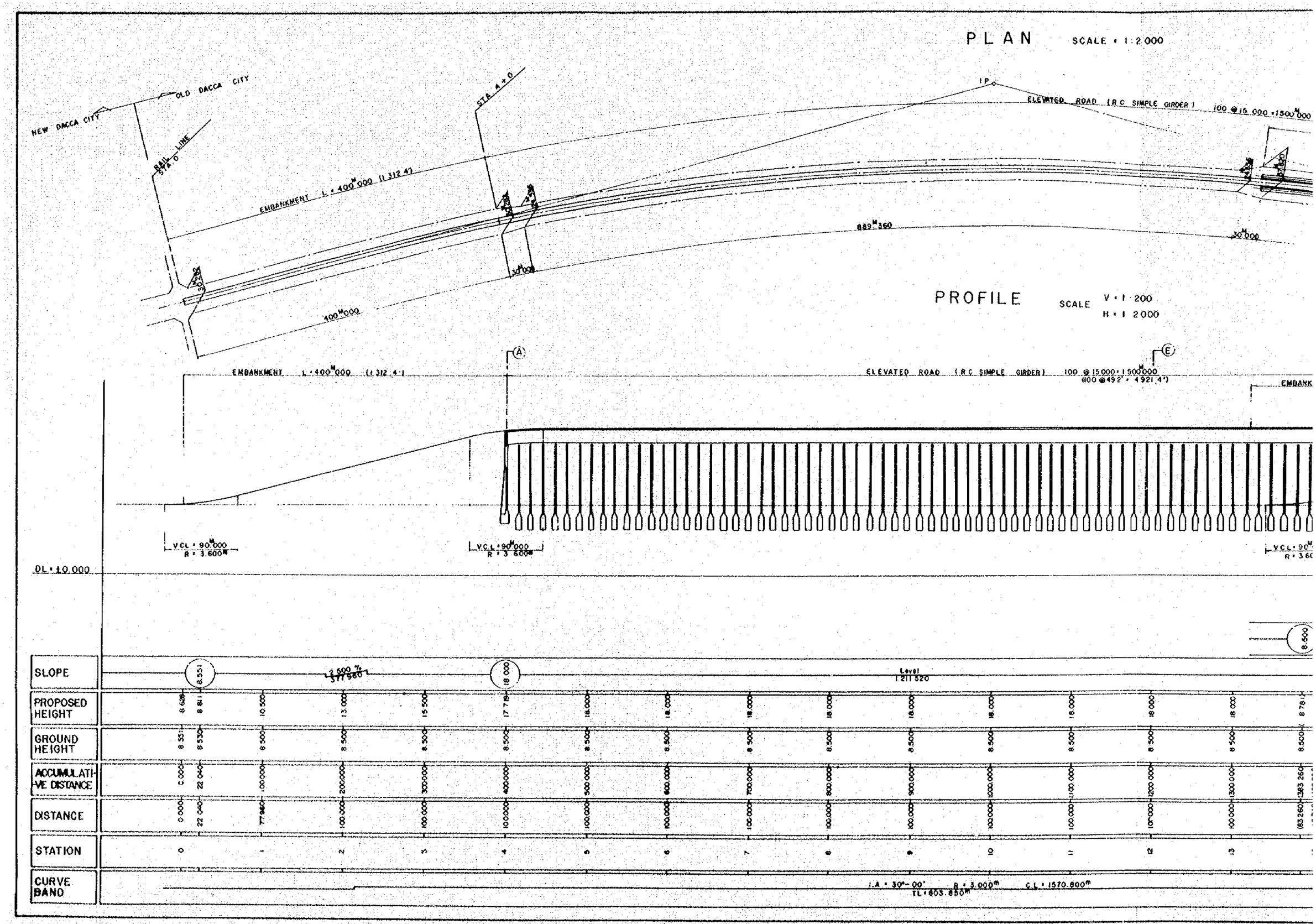


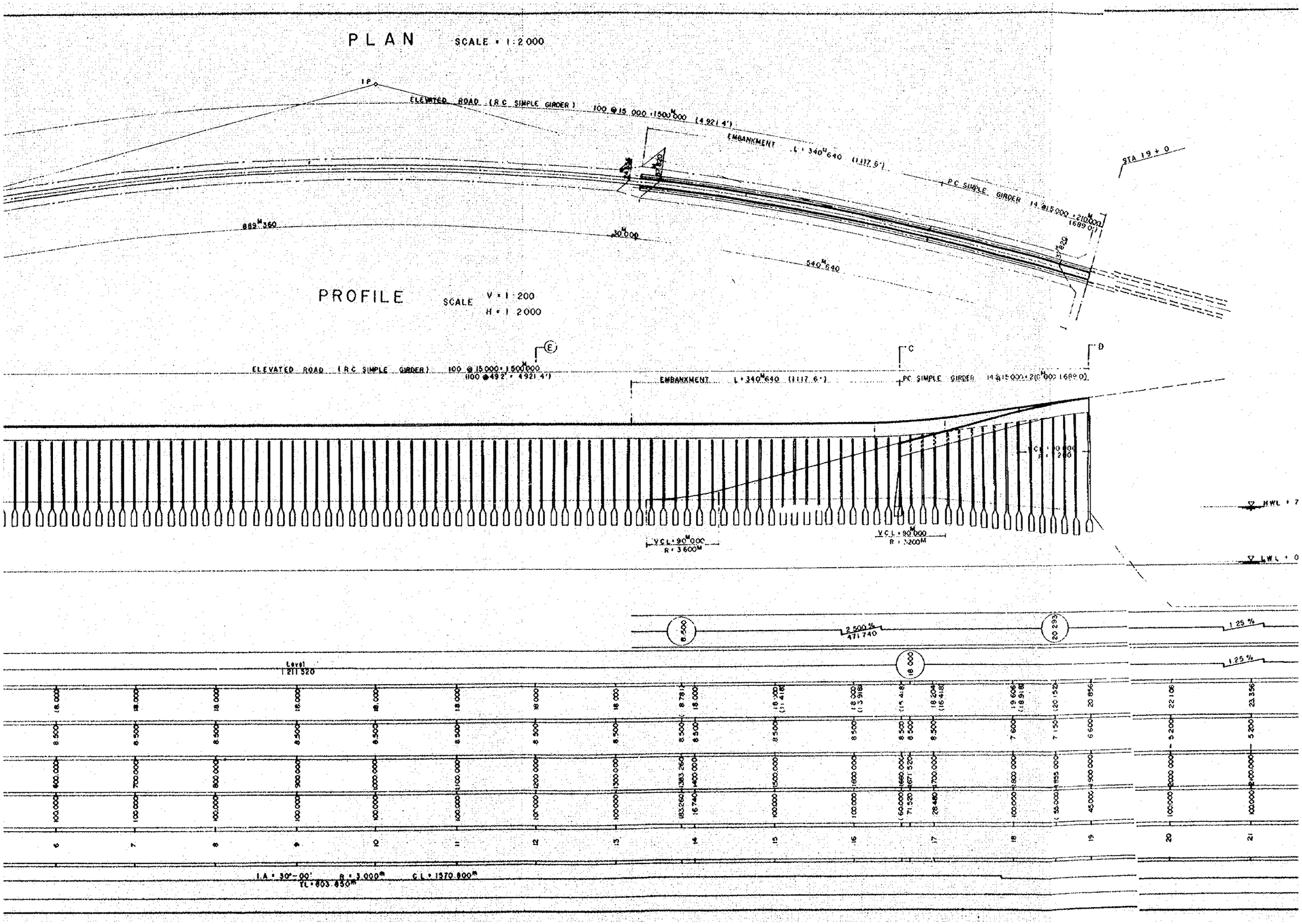
SECTION Ⓐ~Ⓐ'
STA 4+0.00

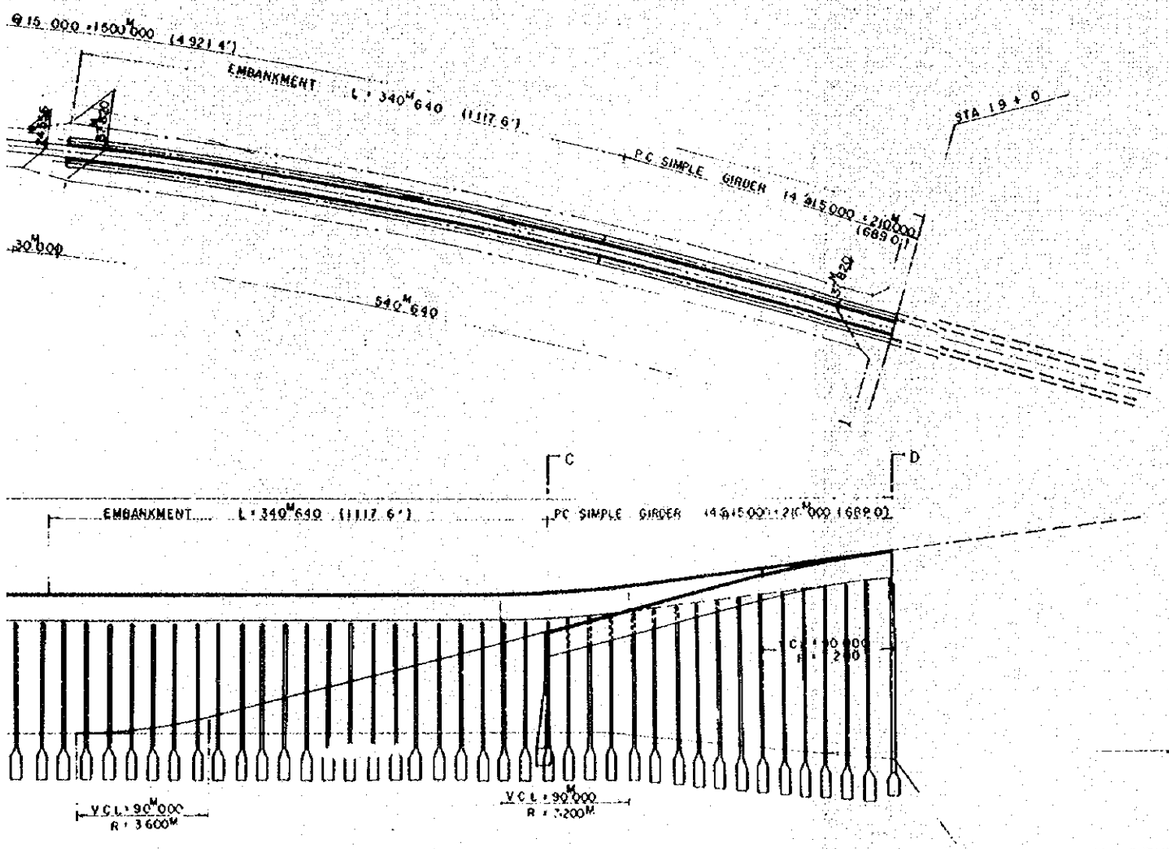


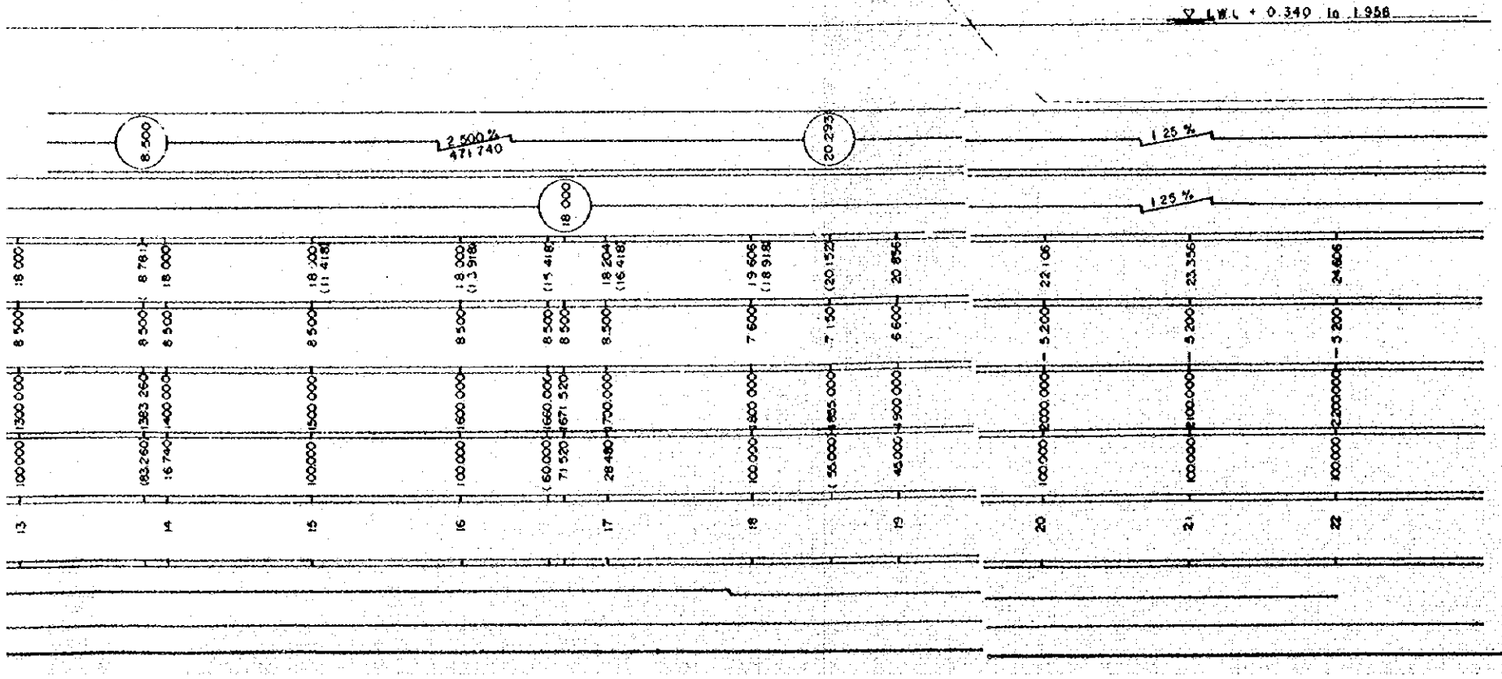


OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN	
HIGHWAY ENGINEERING INSTITUTE, TOKYO	
EAST PAKISTAN	
DACCA-FARIDPUR ROAD PROJECT	
DACCA NORTH-SOUTH ROAD PROJECT	
CASE B GENERAL SECTION	
CHIEF ENG.	SCALE 1:100
CHECKED BY	SHEET NO. 35
DESIGNED BY	
DRAWN BY	DATE AUG. 1970


PLAN
SCALE = 1:2,000
NEW DACCA CITY
OLD DACCA CITY
RAIL LINE
STA. 0
STA. 4 + 0
EMBANKMENT L = 400M000 (1,312.4')
400M000
30M000
889M360
30M000
I.P.
ELEVATED ROAD (R.C. SIMPLE GIRDER)
100 @ 15.000 = 1500M000
PROFILE
SCALE V = 1:200
H = 1:2000
A
E
EMBANKMENT L = 400M000 (1,312.4')
ELEVATED ROAD (R.C. SIMPLE GIRDER) 100 @ 15.000 = 1,500M000
(100 @ 49.2' = 4,921.4')
EMBANK
V.C.L. = 90M000
R = 3,600M
V.C.L. = 90M000
R = 3,600M
V.C.L. = 90M
R = 3,60
DL = 10.000
8.500
SLOPE
2.500 %
377.360
18.000
Level
1,211.520
PROPOSED HEIGHT
GROUND HEIGHT
ACCUMULATIVE DISTANCE
DISTANCE
STATION
CURVE BAND
I.A. = 30°-00'
R = 3,000M
C.L. = 1570.800M
TL = 803.850M


PLAN
SCALE = 1:2000
IP
ELEVATED ROAD (R C SIMPLE GIRDER) 100 @ 15.000 (1500.000) (4921.4')
EMBANKMENT L = 340.640 (1117.6')
PC SIMPLE GIRDER 14 @ 15.000 = 210.000 (689.0')
STA 19 + 0
889.360
30.000
540.640
PROFILE
SCALE V = 1:200
H = 1:2000
ELEVATED ROAD (R C SIMPLE GIRDER) 100 @ 15.000 = 1500.000 (100 @ 49.2' = 4921.4')
EMBANKMENT L = 340.640 (1117.6')
PC SIMPLE GIRDER 14 @ 15.000 = 210.000 (689.0')
VCL = 90.000 R = 3.600
VCL = 90.000 R = 1.200
HWL + 7
LWL + 0
2.500 % 471.740
1.25 %
1.25 %
Level 1.211.520
I.A = 30°-00' R = 3.000 TL = 803.850 CL = 1570.800

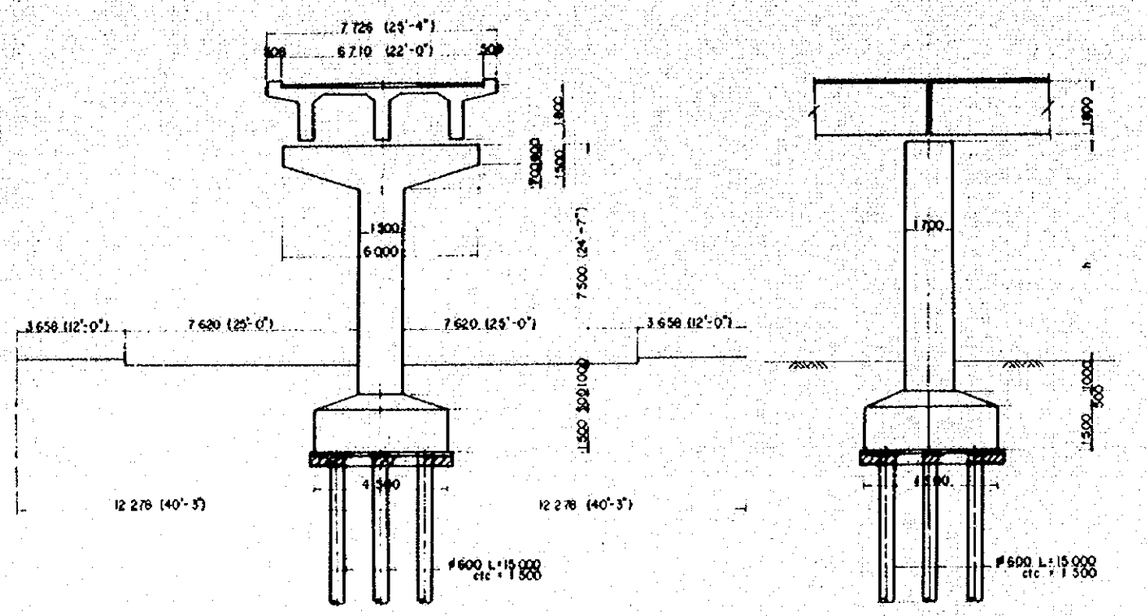




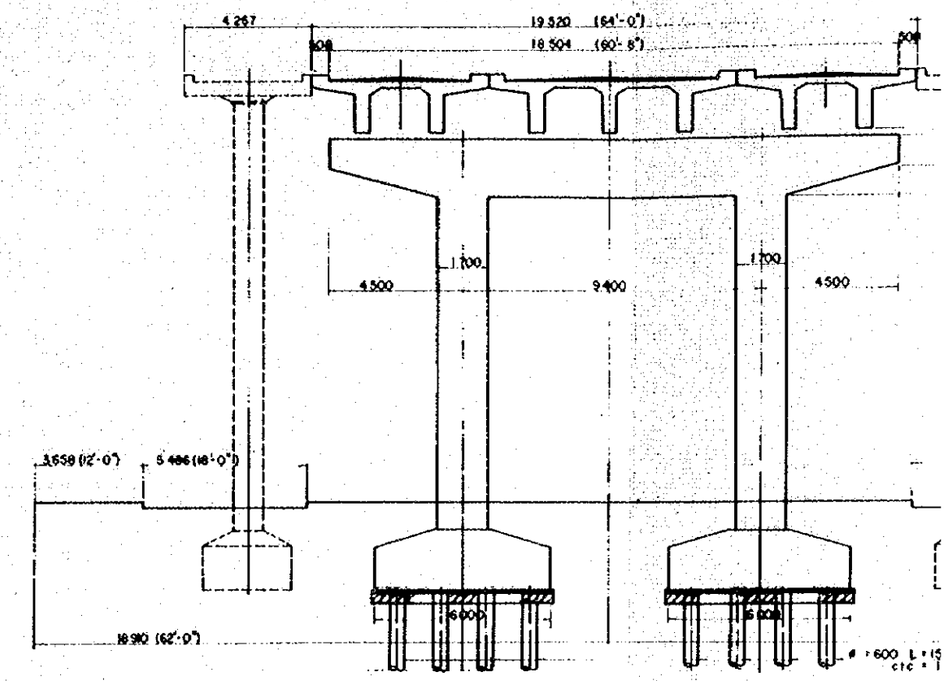
OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN	
HIGHWAY ENGINEERING INSTITUTE, TOKYO	
EAST PAKISTAN	
DACCA-FARIDPUR ROAD PROJECT	
DACCA NORTH-SOUTH ROAD PROTECT	
CASE C PLAN AND PROFILE	
DRAWN BY	SCALE 1:200 , 1:2000
CHECKED BY	SHEET NO. 36
DESIGNED BY	
DRAWN BY	DATE AUG. 1970

DACCA NORTH-SOUTH ROAD GENERAL SECTION
CASE — C

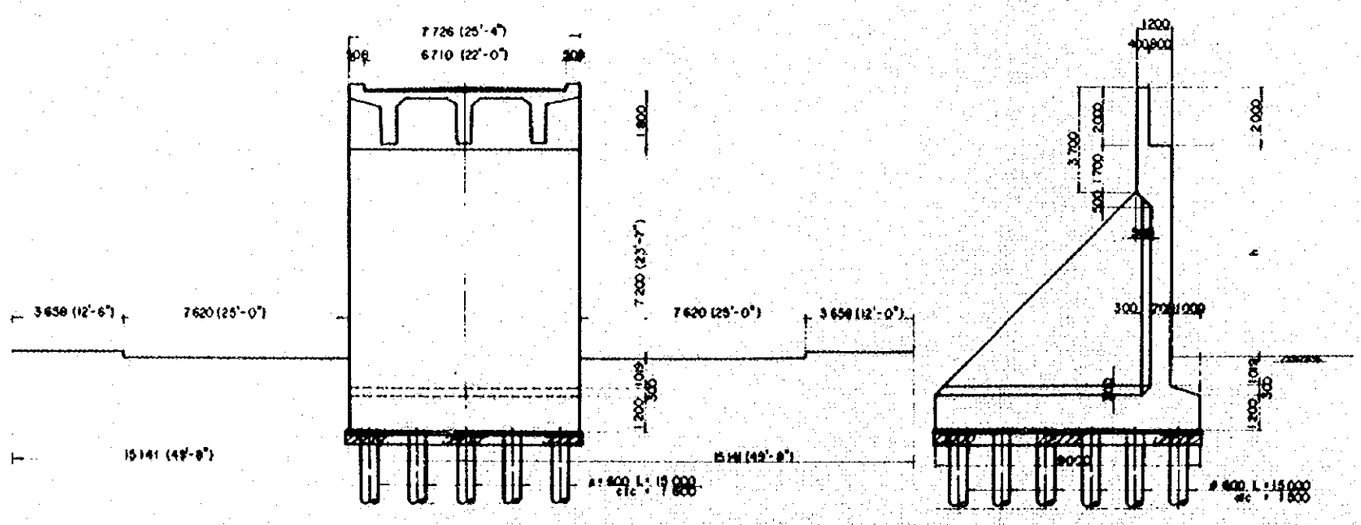
SECTION Ⓔ~Ⓔ SCALE 1:100
STA 12+0.00



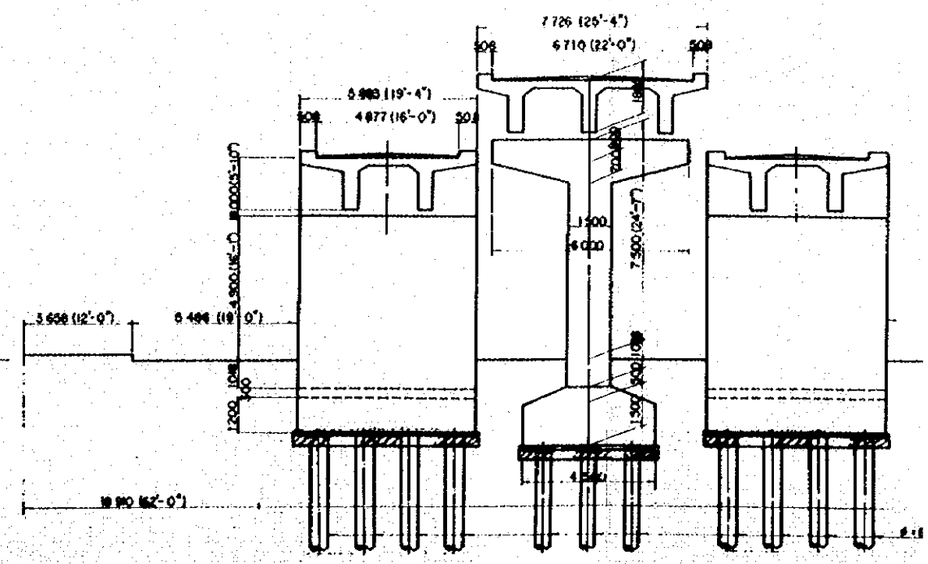
SECTION Ⓓ~Ⓓ SCALE 1:100
STA 19+0.00



SECTION Ⓐ~Ⓐ SCALE 1:100
STA 4+0.00

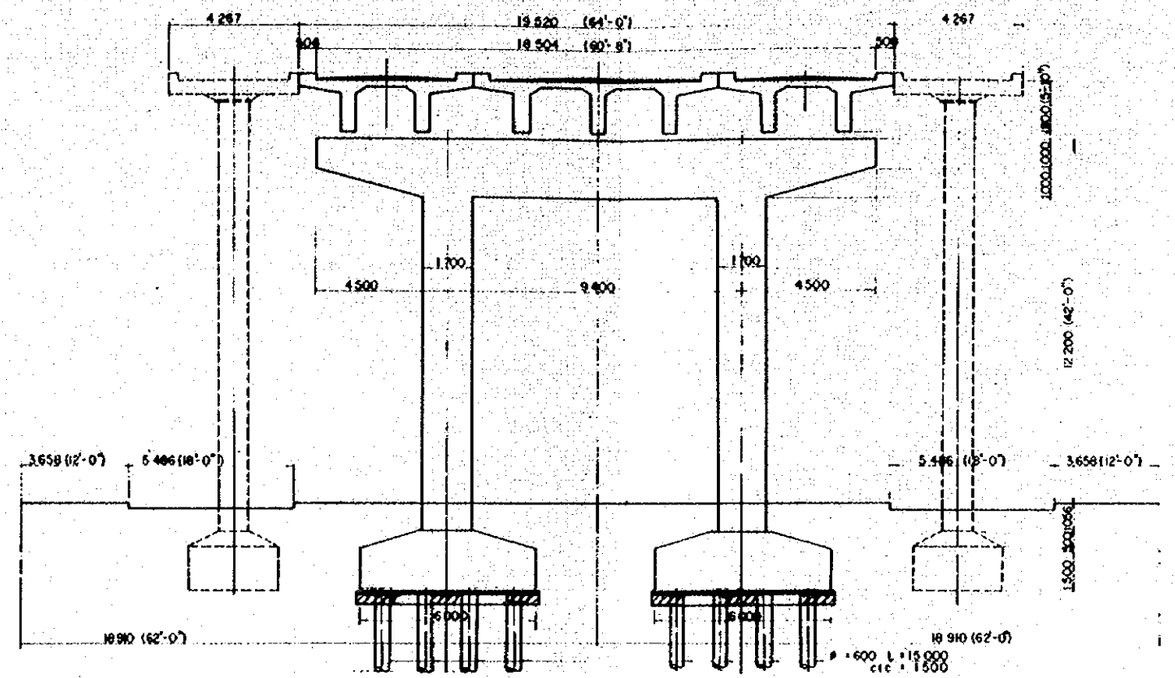


SECTION Ⓒ~Ⓒ SCALE 1:100
STA 16+60.00

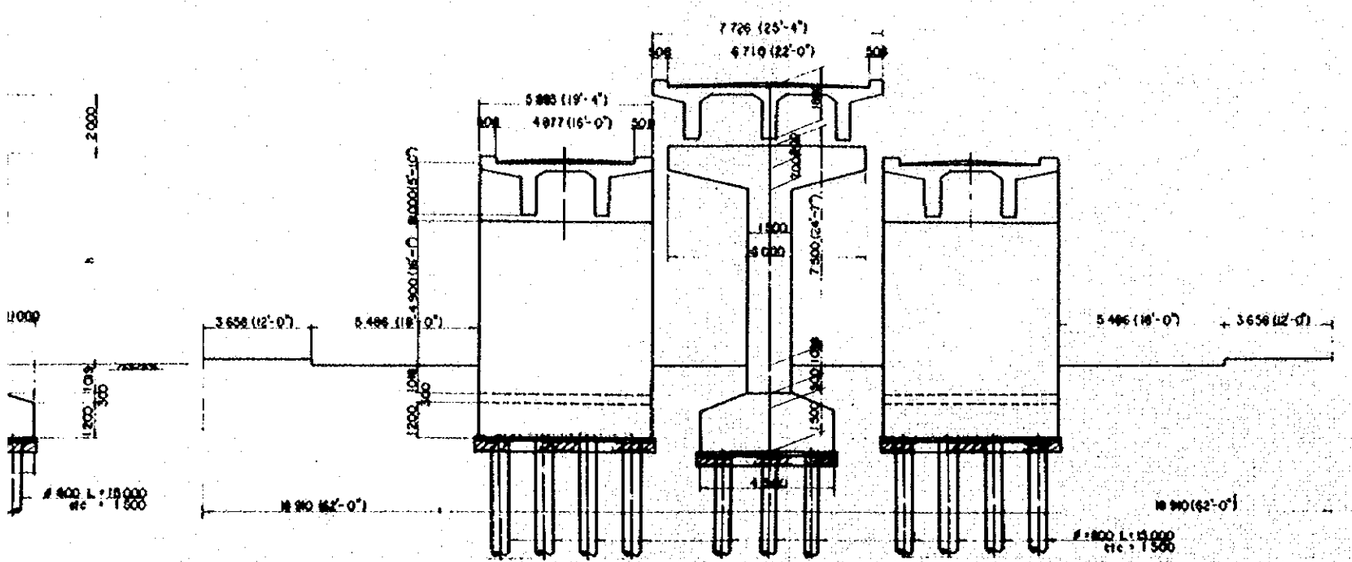


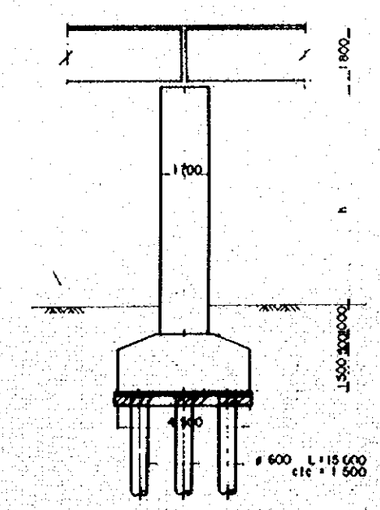
H-SOUTH ROAD GENERAL SECTION
CASE — C

SECTION Ⓓ~Ⓓ SCALE 1:100
STA 19+0.00



SECTION Ⓒ~Ⓒ SCALA 1:100
STA 16+60.00





OVERSEAS TECHNICAL COOPERATION AGENCY, JAPAN	
HIGHWAY ENGINEERING INSTITUTE, TOKYO	
EAST PAKISTAN	
DACCA-FARIDPUR ROAD PROJECT	
DACCA NORTH-SOUTH ROAD PROJECT	
CASE C GENERAL SECTION	
CHIEF ENG.	SCALE 1:100
CHECKED BY	SHEET NO 37
DESIGNED BY	
DRAWN BY	DATE AUG. 1970