Public Works (1898) Department.

G.O., No. 1774 W

DATED 13 July 98

[Despatch Abstract.]

Scrutiny of Local Fund Estimates: Proposal of the Depts requesting the Acct Genl to make the necessary adjustment, in communication with the Exr P.W. Accounts, in regard to the charge for the scrutiny of the revised estimate for a buckled plate bridge on the Devili river in the Godavari Dt. Communicated to the officers concerned.

Indexed. 21/7

B

[P. W. 23.
1,000-23-6-98.]

2.6.98

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

L.C. no. 9

Public works

~~Local & Munl.~~ (189) Department.

CURRENT No. ~~14082~~ 4841

UNDER SECY. TO GOVT.
26 MAY 98

From The President,
District Board
Godaveri

N

~~Order~~ No. 677 d/ 6-6-98

Transferred to the Public Works Department with reference to its Memorandum No. 3116 C, dated 7th July 1897.

E. G. Roberts
Ag. Assistt. Secretary
4-6-98

V.R.
4/6/98

Ref. on Cur. No. $\frac{444}{D.B.}$ of 97

Dated 18th May 1898

Received
Registered } 7.6.98

Enclosures ~~7 F~~ (1 Plan) (~~sent separately by book-post~~)

Spare copies

SUBJECT.

Submitting Dist. Board Engineer's letter proposing to send in a correct revised estimate for Dasili Bridge

To stand over pending receipt of the correct revised estimate promised by the District Bd. Engineer

A.L.K.
10-6-98
D.W.

+u/6
2.6.98

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

Report to accompany the Revised Estimate for constructing a Buckle plate Bridge of 3 vents of 22 ft span over Divili river on road from Pulimeru to Kirlampudy

Amount of Estimate rupees ~~10080~~ 10030/

An estimate was sanctioned in G. O. no. 1561 D/19-7-93 for rupees 9040, but it having been subsequently found that the distance for carting materials was under estimated, the rates now allowed have been calculated on correct mileage. On further consideration it was thought preferable to have a flooring. For these two reasons the estimate had to be revised.

The side spans will have curtain walls of rough stone in mortar 2 ft broad and 3 ft deep built on a bed of concrete 4 ft broad and 2 ft ~~steep~~ deep. The flooring between will be composed of concrete 2 ft deep. The level of the floor of side vents to be at R. L. + 12.00 on the present bed level.

In order to train the course of the river to the middle it is deemed desirable to have the floor of the middle span at + 11.00 or 1 ft below that of the sides. In order to do this inverted floor with a versed sine of 1 ft and formed with a radius of 61 ft will be constructed with curtain walls as stated above.

M. I. C. E.
District Board Engineer
Godavari Circle.

6
1801/97

2 / 1408498

2 / 1337 of 1897

OWS. 5-2 / ~~5840~~ 57 / 4841/58

Data accompanying the Estimate for Constg a Buckle Plate Bridge of 3 Vents of 22 ft Span over Devili River on road from Pulimam & Kirlampudy

Particulars	Per Cyd			Per 100 Cft		
Concrete in Chunam						
Collection of metal	0	3	0			
Breaking	0	3	0			
Carting from Chintagunta Quarry distance 5 miles & 5 furlongs	0	13	3			
Royalty	0	1	0			
Stocking	0	0	6			
2 Parrahs lime at Rs 0-8-0 (from Dowleswaram)	1	0	0			
4 Parrahs of Sand	0	1	8			
4 ~~2~~ Parrahs Pounding at Rs 7 Per garce 0-0-11 ~~0-1-10½~~	0	3	8 ~~9~~			
2 Men Coolies at 0-3-0	0	6	0			
1½ Women Cooly at 0-2-0	0	3	0			
1 Boy Cooly @ 0-1-6	0	1	6			
Sundries						
	3	4	0	12	1	0
Rough Stone in Chunam.						
Quarrying	0	6	0			
Seinorage	0	1	0			
Stacking	0	0	6			
Carting from Chintagunta quarry Distance 5m. 5f	0	13	3			
2½ Parrahs of Lime at 0-8-0 (from Dowleswaram)	1	4	0			
5 - Do of Sand	0	1	3			
5 ~~2½~~ - Do Pounding	0	4	7			
1¼ Mason at 0-10-0	0	12	6			
1 Men Cooly @ 0-3-0	0	3	0			
4 Women Cooly	0	8	0			
per cyd	4	6 ~~5~~	1 ~~6~~	or 16 0 0		
per 100 Cft	16	3	7	or 16 0 0		

M. I. C. E.
District Board Engineer
Godavari -

District Board's Engineer's Office
Cocanada 23rd April 95

7 / 18016/97

3/1408/97

C.F. 271.

OFFICE OF THE

Dated 191 .

4 Hours 11 Minutes.

TELEPHONIC MESSAGE.

From Supdt. MRO

RECORD OFFICE 20 AUG 1915 MADRAS

To RK W

Your T.m of date

E.O. 1774 W d/ 13.7.98 is available here

Ad 18/8

Note for the Supdt. Madras Record Office.

Please have the accompanying Chr 4841/97 filed with G.O. 1774 W d/ 13.7.98.

C.K. Rathnasabaamier
Supdt.
18/8/15

3/1337

DETAILED ESTIMATE No. 6 of 1895.

CLASSIFICATION

Godavari District

Godavari Circle.

I. Head of Service
II. Fund
III. Class
IV. Main-head
V. Sub-head
VI. Name of Work Constructing a bucket plate Bridge of 22 span over Divili river on road from Pulimeru to
VII. Amount of Estimate Rupees
VIII To be carried by the Local Fund Department Kirlampudi in m 6 fur 3 feet 40.

Particular of Work.	No. of Prismoids.	Measurements.			Cubic. Contents.	Total.	
		Length.	Breadth.	Depth.			
1	2	3	4	5	6	7	8
Concrete in mortar Foundations							
Under abutments	2	24-0	8-6	3-0	1224		
Do wings	4	19-9	8-0	3-0	1896		
Do piers and cutwaters	2	27-0	7-6	3-0	1215		
Concrete under curtain walls	4	18-6	4-0	2-0	592		
Do between piers	2	~~19-6~~ 18	4-0	2-0	~~312~~ 296		
Do for floor.	2	20-6	21-0	2-0	1722		
Do for do between piers invert	1	~~22-9~~ 21-6	21-0	2-0	~~924~~ 903	~~7885~~ 7848	or 79 units
Roughstone in mortar Foundation							
Under abutments	2	22-0	6-6	3-0	858		
Do wings	4	19-9	6-0	3-0	1422		
Do piers and cutwaters	2	25-0	5-6	3-0	825		
Curtain walls	4	20-6	2-0	3-0	492		
Do between piers invert	2	21-6	2-0	2-6	215	3812	
Superstructure							
Abutments 1st step	2	20-6	5-0	3-6	718		
Do 2nd.	2	20-6	4-6	3-6	646		
Do 3rd.	2	20-6	4-0	3-0	492		
Do 4th.	2	20-6	1-6	1-8	103		
Wings 1st step	4	20-3	4-6	3-6	1276		
Do 2nd do	4	20-9	3-9	3-6	1089		
Do 3rd do	4	21-3	3-0	3-0	765		
Do 4th do.	4	21-9	2-3	2-0	392		
Projection in abutments	4	3-0	0-6	12-0	72		
Do in wings	4	2-0	0-3	12-0	24		
Piers	2	17-0	4-0	11-2	1519		
Carried Over					7096	3812	

8/1801/97

Brought forward.

					7096	3812	
Cutwaters taken square	4	3.25	4-0	11 2	580		
Parapet walls	4	20-3	1 6	2 9	334		
Pilasters at ends to abutments	4	3.0	2.6	4.6	185		
Pedestals at ends of wings	4	2.0	2-0	3.3	52	8197	
Total cft of roughstone in mortar							12009. or 120 units
Cutstone in mortar							
Coping to parapets	4	20.3	2-0	0.9	122		
Caps to pilasters	4	3 6	3 0	0.9	32		
Do to pedestals	4	2 6	2 6	0.9	19		
Cardan	4	26 0	1-4	0-6	69		
Bearing stone	6	4-0	1-0	0.9	18		
Do Do	6	2 6	1-0	0.9	11	271. or 2.71	
Plastering							
Faces of abutments	2	21 6	"	11-2	480		
Do wings including projection	4	25-0	"	5-10	583		
Sides of piers	4	17-0	"	11-2	759		
Cutwaters both sides	4	8-0	"	11 2	357		
Parapet walls do. do.	4	20-0	"	5 6	440		
Pilasters at ends of abutments	4	9.6	"	4 6	171		
Pedestals at ends of wings	4	6 6	"	3. 3	85	2875. or 29 Squares	
Guard stones	4						
Pile driving including wood work							
Excavating foundation and filling in							
Approaches							
Bailing							
Contingencies							
Iron work							

OU 574
~~5606~~
4841/58

ABSTRACT.

Quantity. 1	Description. 2	Rate. 3			Per. 4	Amount. 5	Total. 6	Grand Total. 7
79.00 Units	Concrete in mortar	12	1	0	100 cft	953 " "		
120 "	Roughstone in mortar	16	"	"	"	1920 " "		
2.71 "	Cutstone in mortar	37	"	"	"	100 " "		
29 sqrs	Plastering	2	8	"	sqr	73 " "		
No 4	Guard stones	2	"	"	each	8 " "		
	Pile driving including wood work					600 " "		
	Excavating foundation and filling in					500 " "		
	Approaches					200 " "		
	Bailing					500 " "		
							4854 " "	
	Petty supervision 2½ per cent						128 " "	
	Contingencies @ 5-0-0 per cent						248 " "	
	Total for masonry work						5230 0 0	
	Iron work.							
	Cost of girders 12 in mortar with Horbury's patent arched flooring as per Messrs Richardson and Cruddas & including shipping charges &c					3945 " "		
	Carriage to site					255 " "		
	Fitting at site					600 " "	4800 " "	
	Grand Total Rupees							10030 0 0

J Clarence(?)
Superintending Engineer
1st Circle.
13/3/97

President

Local Fund Engineer's Office, }
COCANADA, ... 1895. }

.... C. E.,
Local Fund Engineer,
Godavari Circle.
1/5/1895

Sanctioned (vide Taluq Board resolution no 487 20-12-97

Chd AP
23.1.97

17/12.

Vice President T Bd

SUPERINTENDING ENG. R.
13 MAR 97
FIRST CIRCLE

4/1408 W 97

4/1337 L of 1897

[illegible] 5
~~5820~~/57
4840/58

SUPERINTENDING ENG. R.
13 MAR 97
FIRST CIRCLE

[illegible] 6
~~5820~~ 5/57
4841/58

Comparative Statement to accompany the revised Estimate for constructing a Bucket plate Bridge of 3 vents of 22 ft span over Dindirim on road from Palimeru to Kilampudi.

Particulars	Original Estimate Quantity	Rate	Per	Amount	Revised Estimate Quantity	Rate	Per	Amount	Difference More	Less	Explanation of difference
1 Concrete in mortar	43.40	12 10	100 cft	548	79.00	12 1	100 cft	953	405		Increase is due to increased carting distance of materials & the addition of flooring and curtain walls.
2 Roughstone in mortar	113.0	13 12	"	1554	120.00	16	"	1920	366		
3 Cutstone in mortar	2.71	37	"	100	2.71	37	"	100			
4 Plastering	29.00	2 8	sqr	73	29.00	2 8	sqr	73			
5 Roughstone dry pitching	22.00	6 10	100 cft	146						146	Decrease is due to the omission of dry stone work as pucka flooring is proposed.
Guard stones	no 4	2	each	8	4	2	each	8			
Pile driving including woodwork	L.S.			600				600			
Excavating foundation & filling in	L.S.			350				500	150		under estimated in the original estimate
Approaches.				200				200			
Baling				300				500	200		Do — do — do —
Contingencies and petty supervision				361				376	15		
Total for masonry work				4240				5230	1136	146	
Iron work.											
Cost of girders as per messrs Richardson and Crudas quotation including shipping				3945				3945			
Carriage to site				255				255			
Fitting at site				600				600			
Total for Iron work.				4800				4800			
Grand Total Rupees.				9040				10030	1136	146	
Deduct amount already sanctioned								9040			
Net amount now required for sanction								990			

Superintending Engr
1st Circle.

M. J. C.
Local Fund Engineer

Chd.
A.J.
23.1.97

25.1.97

4/140

4/133

C.F. 271.

OFFICE OF THE

Dated 191 .

Hours Minutes.

TELEPHONIC MESSAGE.

From RKW

To The Supdt. M.R. Office

Please say if Go No 1774 W of 13th July 1898 is available in the Rec Office

Despd 3.30

CNR
18/8

CNR
18/8/15

4/140

5/1408 L/98

4/133

5/1337

L of 1897

9/1801 L/97

Ref. on Cur. No. 701/D.B.E. of '98.

District Board Engineer's Office,
Cocanada, dated 14th April 1898.

From

P. H. Brown Esquire, M.I.C.E.,
District Board Engineer,
GODAVARI.

LOCAL & MUNICIPAL DEPT.
CURRENT No. 1408 L

To

The President, Taluk Board,
COCANADA.

Sir,

I have the honor to acknowledge receipt of your Reference on Current No. 202/T.B. of '98, dated 18- 2- 1898, returning the revised estimate for Divili Bridge.

I would respectfully point out that the remarks are uncalled for and not necessary for the following reasons:-

1. The original estimate submitted with sections, site pla~~s~~n, hydraulic details was sanctioned and unless the revised estimate alters any of these conditions there can be no call to reopen the subject of details.

Go No. 1561 L / 19-7-93

2. The revised estimate does not affect the structure in any way but only had to be sent because an error was made in the Drawing office, the rate for rough stone in mortar Rs. 13- 12- 0 being entered as at Ragampeta Bridge whereas an extra carriage of 6 miles was necessary, the quarry being the same and there being no other nearer. Thus the revised estimate was only required to correct their error in calculation. All this I endeavoured to explain at the time.

Since however the revised estimate was sent with this office letter No. 81, dated 2- 5- 1895, several deviations have been found necessary and I was awaiting the sanction of the revised estimate in order to send in a completion report with the required explanation.

Now the revised estimate is not sanctioned and cannot therefore send in a completion report. Therefore I propose to

send

send in a correct revised estimate as according to the actuals of work done. These actuals will only affect the founds and not the water span.

So all hydraulic actuals remain the same as already sanctioned in the original estimate.

I have &c, &c, &c,

(Sd) P. H. Brown, m.i.c.e.

District Board Engineer.

(True Copy)

Dis. No. 409/T.B. of '98.

Forwarded to the President, District Board with reference to his Ref. on Cur. No. 444/D.B. of '97, dated 28- 7- 1897.

Gocanada Taluk Board's office,
Cocanada, dated 28- 4- 1898.

(Sd) N. Padmanabham.
Vice President, Taluk Board.

DESPATCHED
20 MAY 1898

(True Copy)

Ref. on Cur. No. 444/D.B. of '97.

Submitted to the Secretary to Government in the Local and Municipal Department, Madras with reference to G.O. No. 1379 L. Mis. dated 20- 7- 1897.

Venkataratnam

Godavari District Board's office,
Cocanada, dated 18th May 1898.

for President,
Dist. Board.

H 9.V.98

1/1408/98

1/1337 of 1897

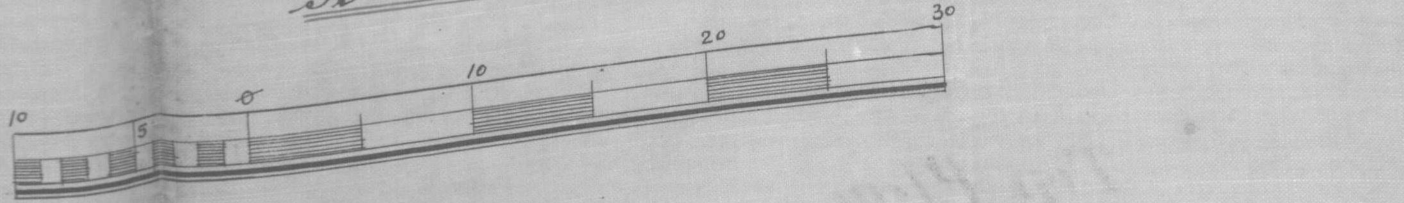
PLAN

of a

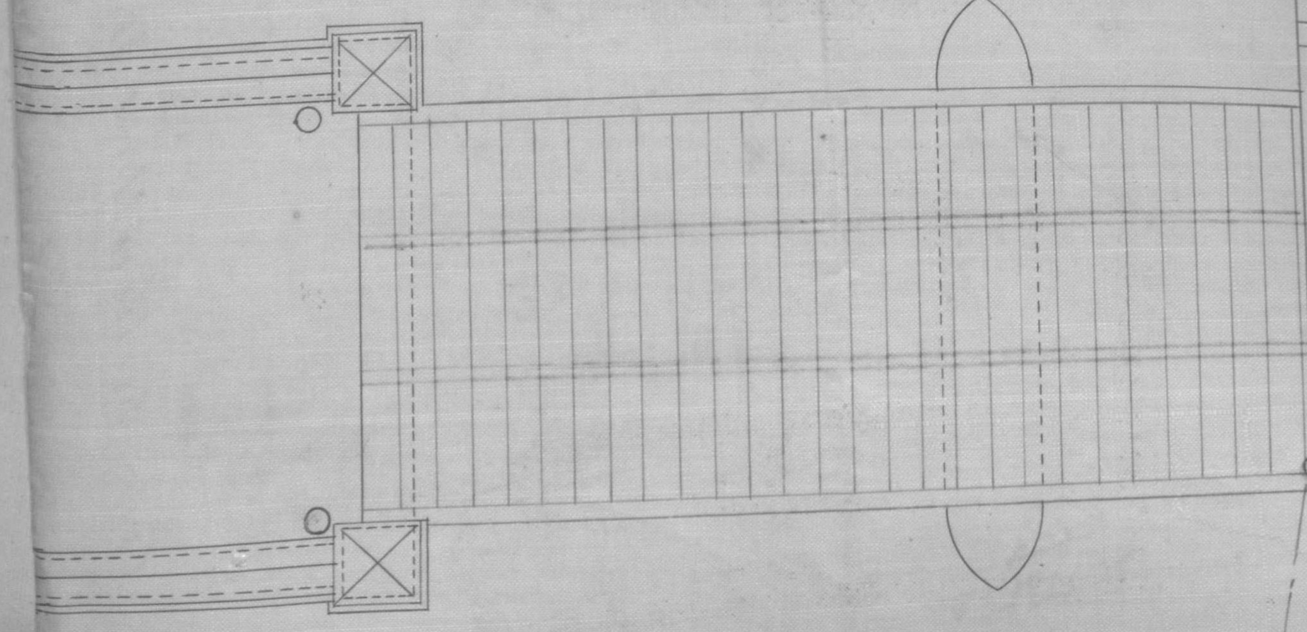
Iron girder bridge, Proposed to be built
over Develi River crossing on road from
Pulimaru to Kirlampudi

in Miles 6, Fur 3, feet 40

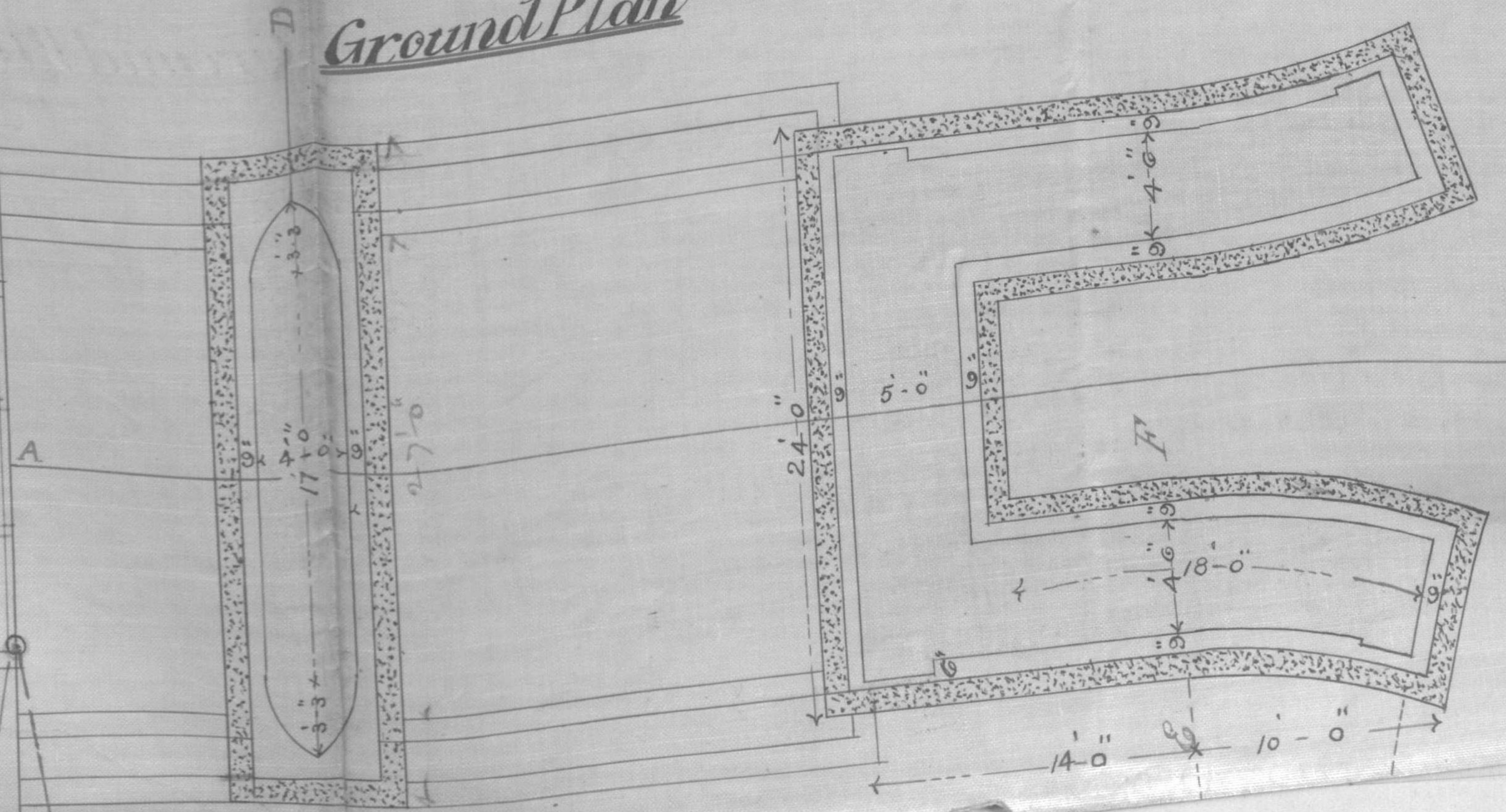
Scale 1" = 8 feet



Top Plan



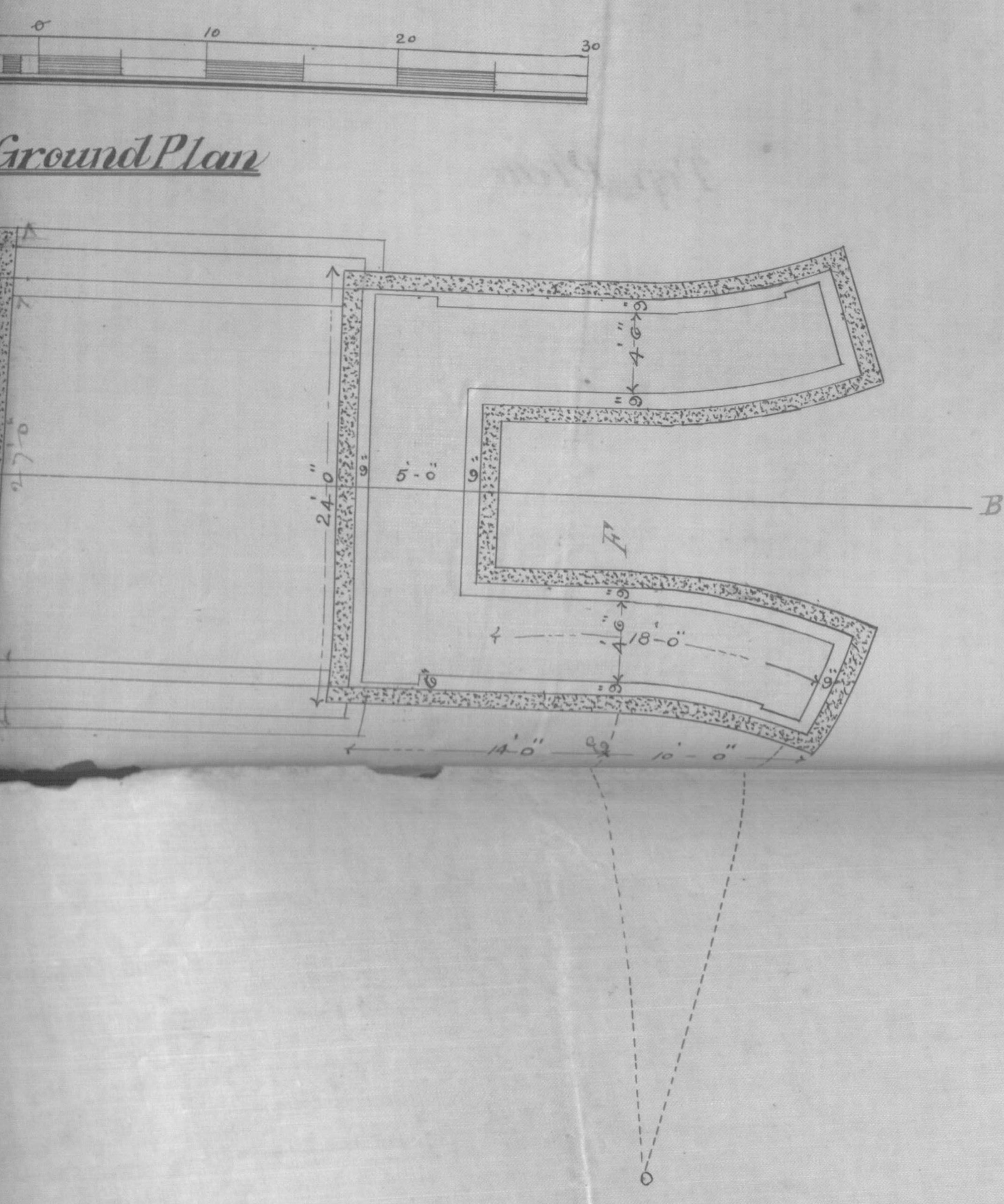
Ground Plan



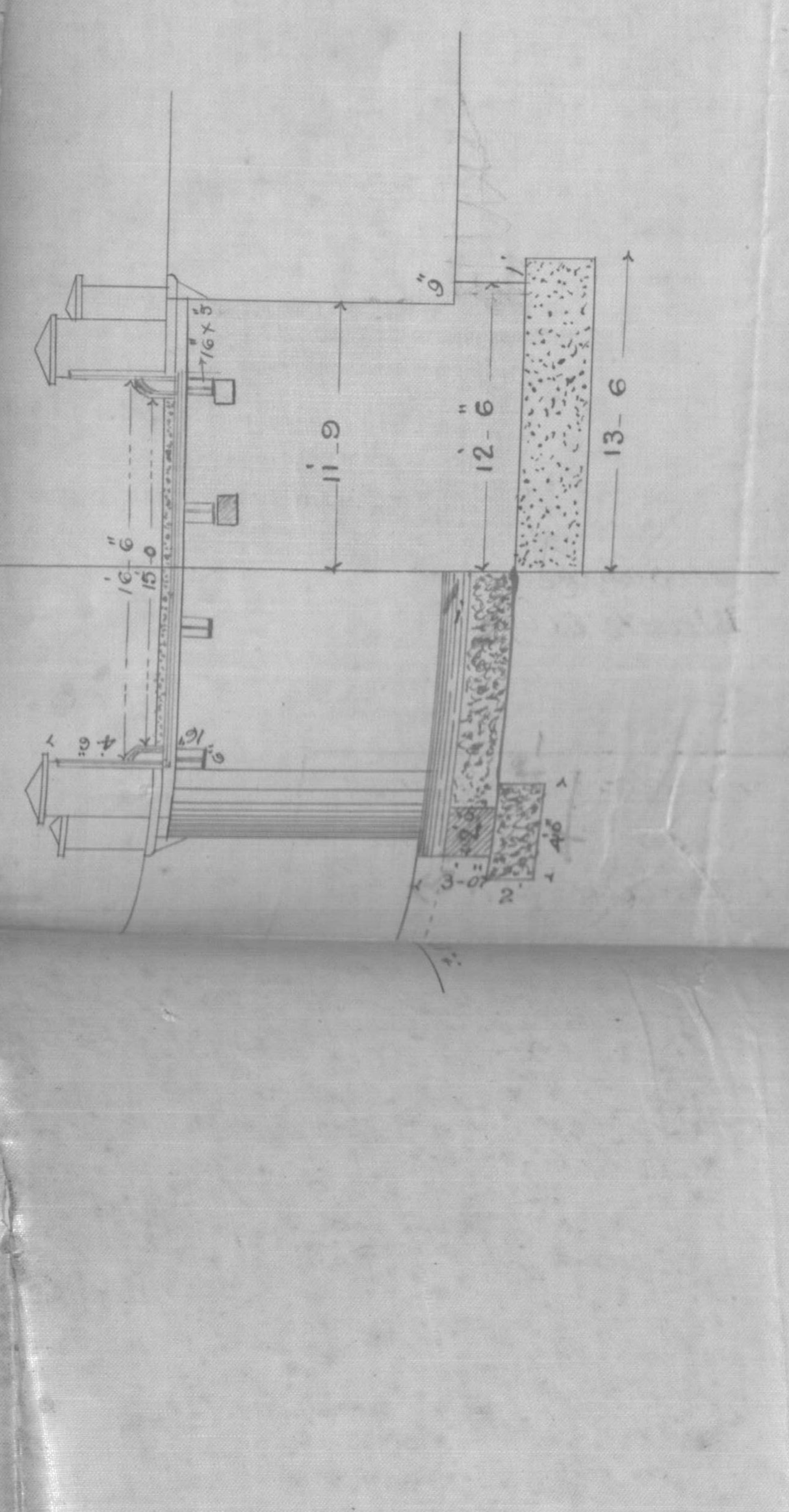
Cross Section thro' C.D

PLAN
of a
…der bridge, Proposed to be built
…i River crossing on road from
…ulimaru to Kirlumpudi
in Miles 6, Fur 3, feet 40
Scale 1" = 8 feet

Ground Plan

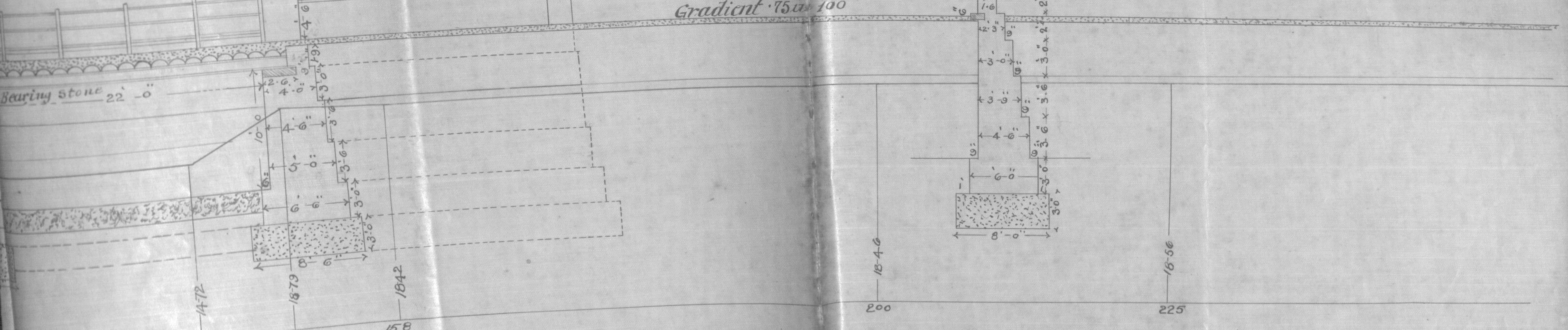


Cross Section thro C.D



…f Section A.B

Section thro E.F



M·I·C·E

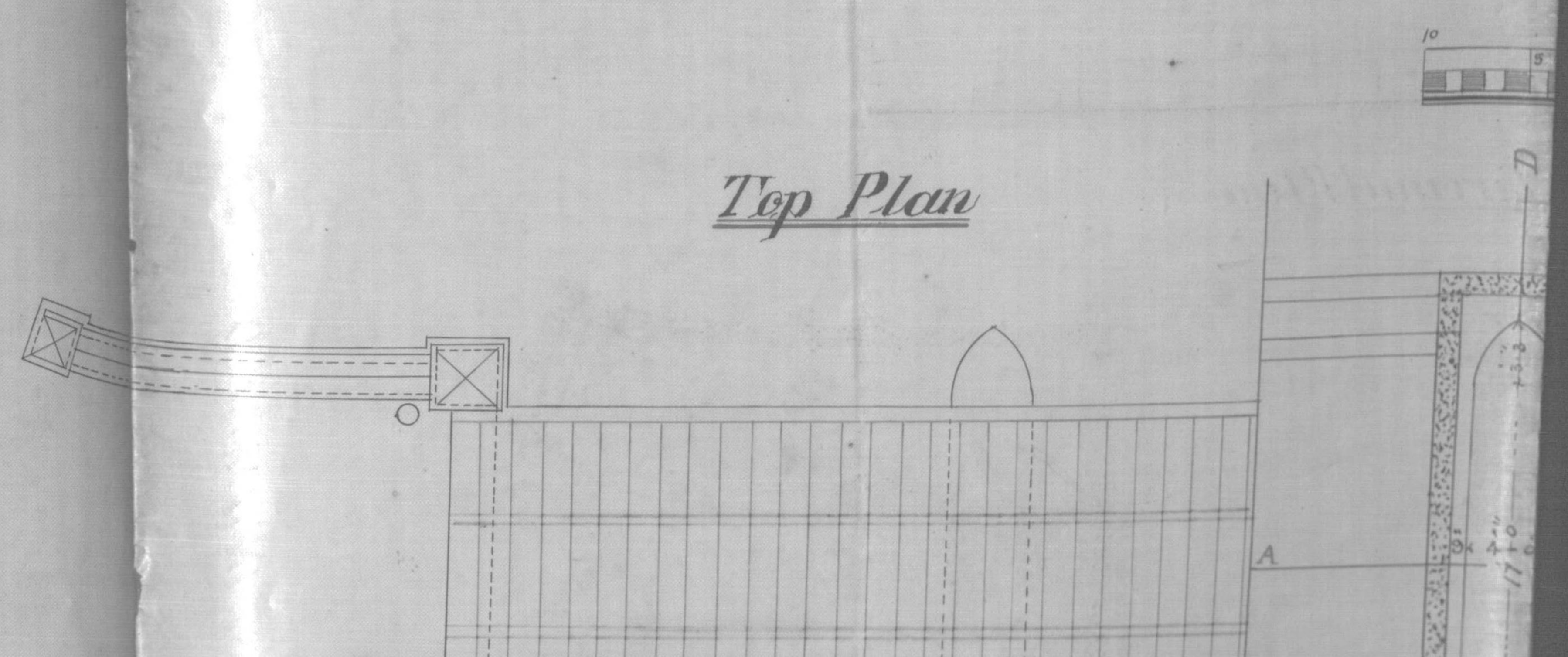
District

Go

SUPERINTENDING ENGINEER.
FIRST CIRCLE.

Iron gir
over Deve

Top Plan

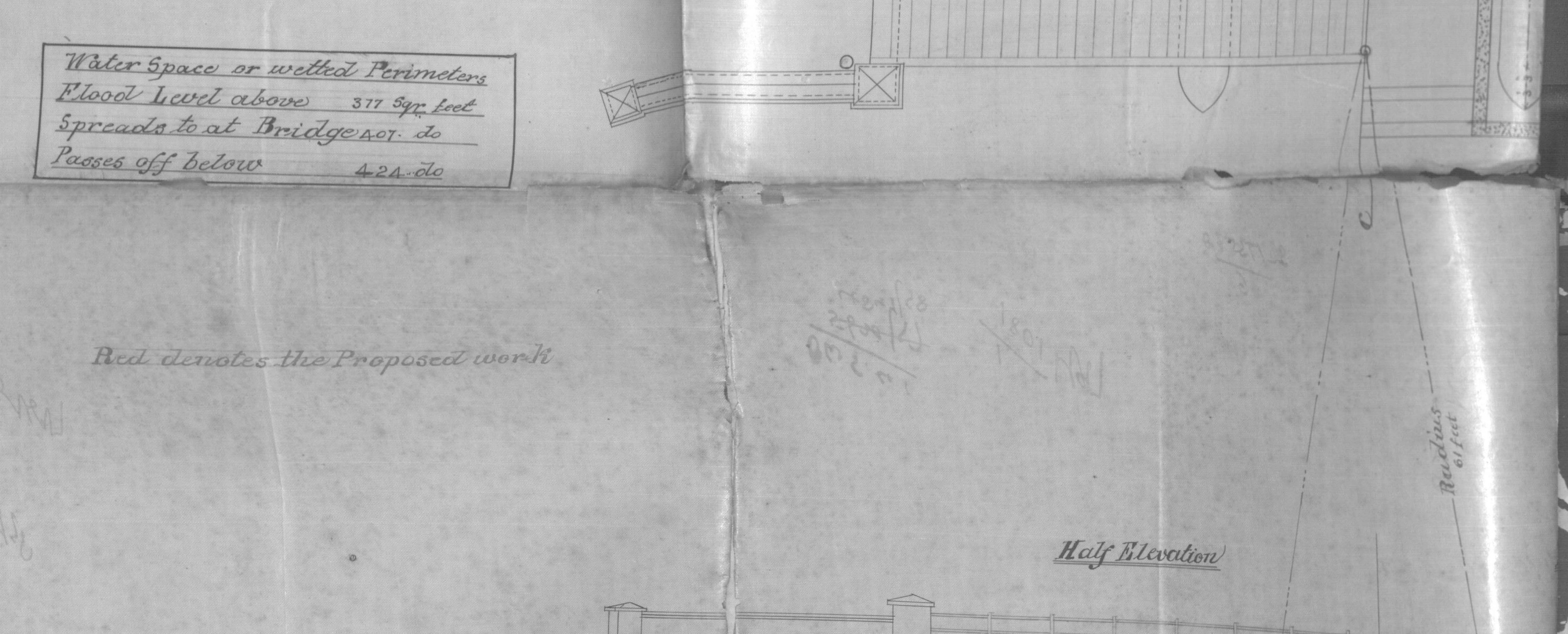


Surface Soil Sandy
Sub Soil Black Clay

Water Space or wetted Perimeters	
Flood Level above	377 Sqr. feet
Spreads to at Bridge	407 do
Passes off below	424 do

Red denotes the Proposed work

Half Elevation



Traced by
B. V. Soorayya

Public Works (1898) Department.

CURRENT No. 5683

From The Local & Muncl. Depth

B/ No 1774 W dy 13-7-98

Order

Communicated to the Officers Concerned.

AEK
11. 7. 98.

No. 1202 Lbris.

Dated 5-7-98.

Received
Registered } 8.7.98

Enclosures

Spare copies

CM
P.K.S

D.W.

SUBJECT.

Accounts.

Requesting the Accountant General to make the necessary adjustments in the — in communication with the Examiner of Public Works Accounts in regard to the charge for the scrutiny of the revised estimate for a buckled plate bridge on the Divili river in the Godavari Distt, included in the statement forwarded to him with lr. No. 2410 L., dated 10th December 1897.

To

The S.E. I Circle
. Exar. P.W. Accts.

B
14/7/98 PKS

Dm

BACK PAPERS.

No.	Date.
980 W	d/ 18.4.98 & 1 papers marked on the back

FURTHER PAPERS.

No.	Date.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following ~~paper~~ :—

Proceedings of Govt. in the Public Works Deptt. No. 980 W., dated 18th April 1898, communicating letters from the Executive Enginee I circle explaining certain discrepancy pointed out by the Local Fund Engineer, Godavari, with regard to the revised estimate for constructing a buckled plate bridge on the Divili river.

From the District Board Engineer, Godava to the President, District Board, Godavari, Ref. on C. No. $\frac{1508}{D.B.E.}$ d/ May 1898.

In reference to your reference on C. No. 825/ of 1898. d/ 8th May 1898, I have the honour to sa that I understood the P. W. D. charge for scruting to be based on the total figure of the estimate and not the total of modified items.

Endorsement of the President, District Board, Godavari, Dis. no. 9081/D.B. d/ 6th June 1898.

Submitted to Govt. in the Local & Municipal Deptt. in reference to Govt. Endorsement No. 513, dated 29th Jany. 1898 which is herewith returned.

Order No. 1202 L. Mis. dy 5th July 1898.

The Accountant General is requested to make the necessary adjustment in the accounts in communication with the Examiner of Public Works Accounts in regard to the charge for the Scrutiny of the revised estimate for a buckled plate bridge on the Divili river, included in the statement forwarded to him with G.O. No. 2410 L. dated 10th December 1897. B.N. 103 W & 15.1.98

(True Extract)

for Secretary to Govt.

To

The Accountant General

" Public Works Deptt.

" President, Dt. Bd., Godavari.