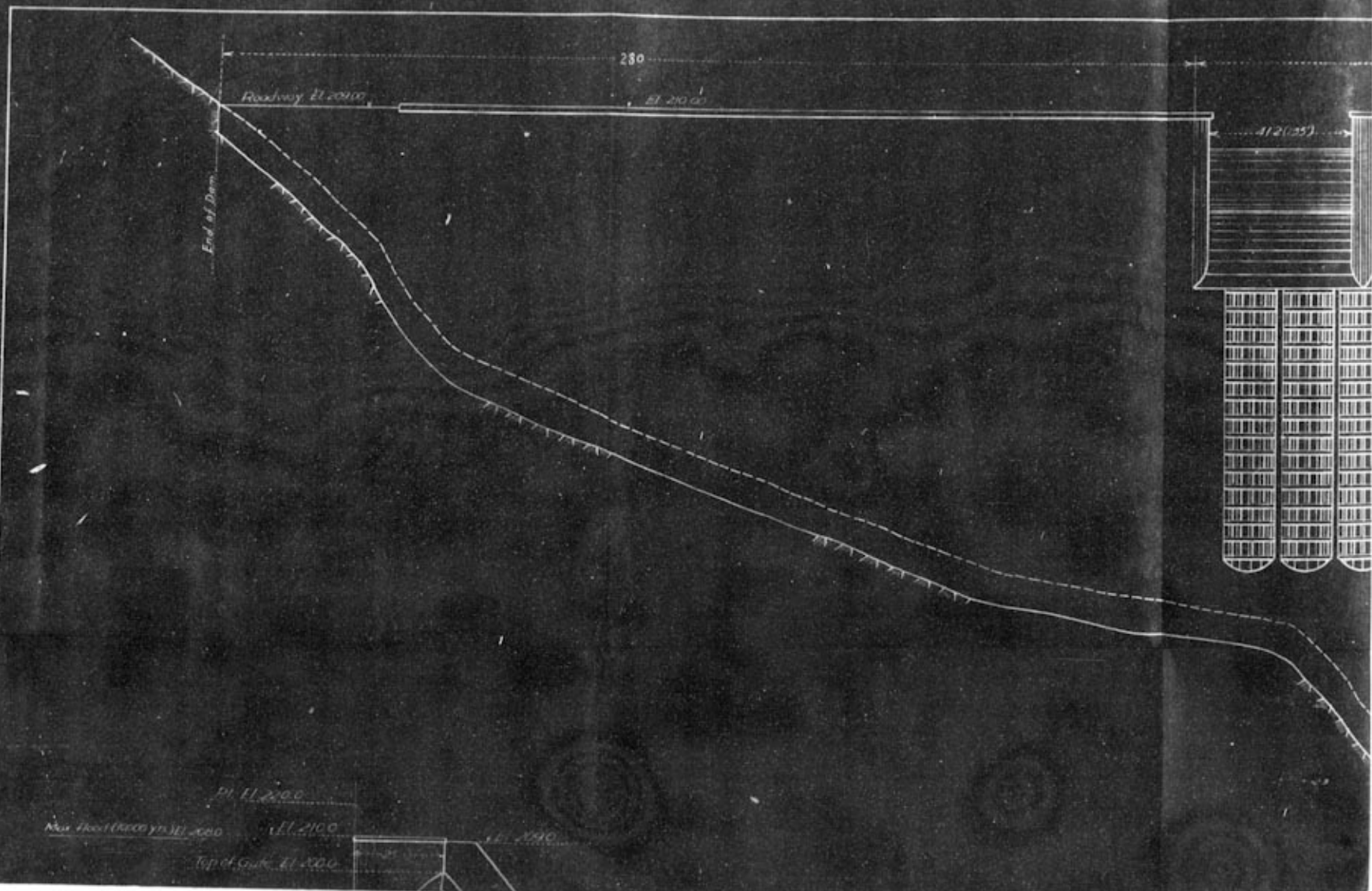
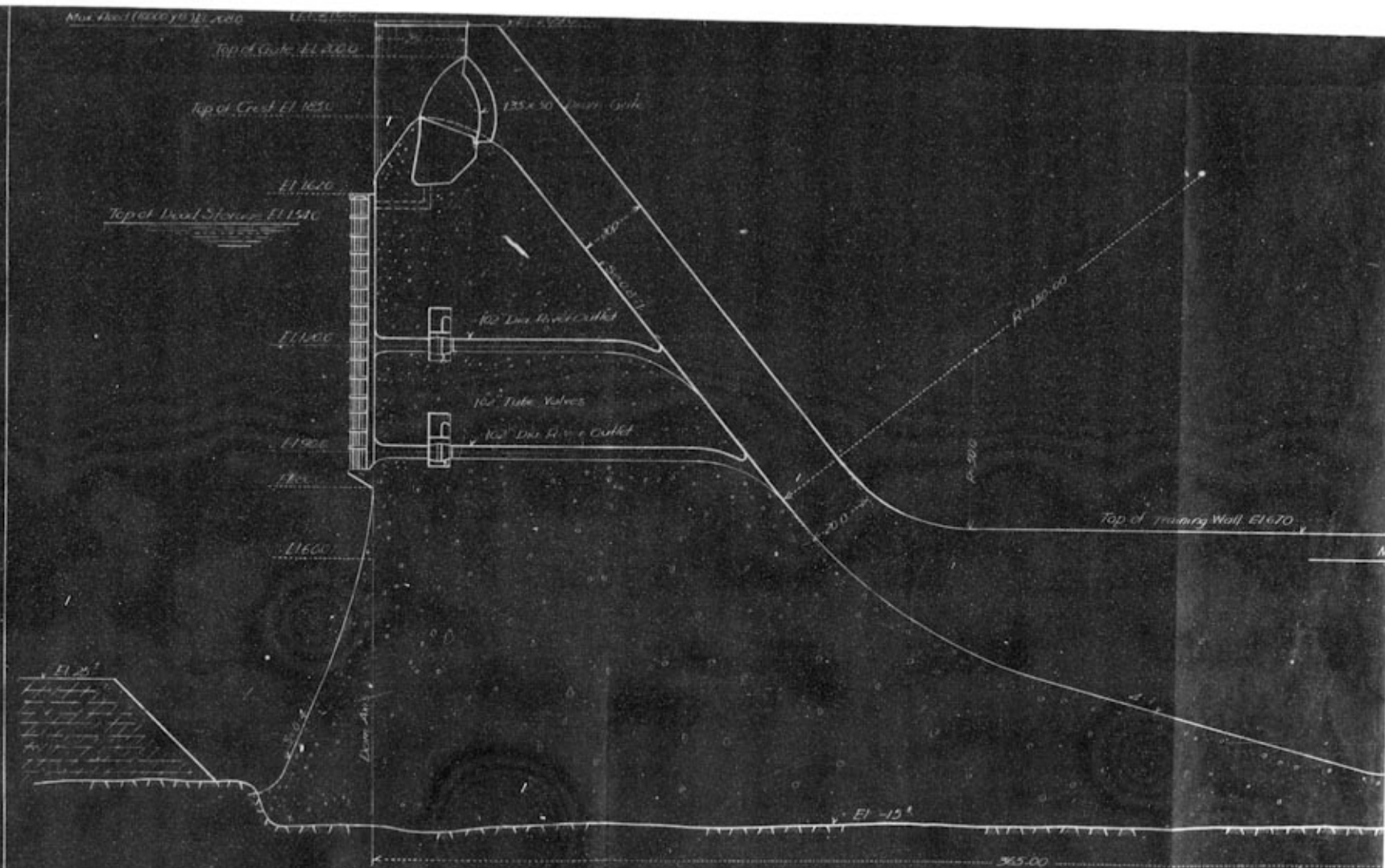
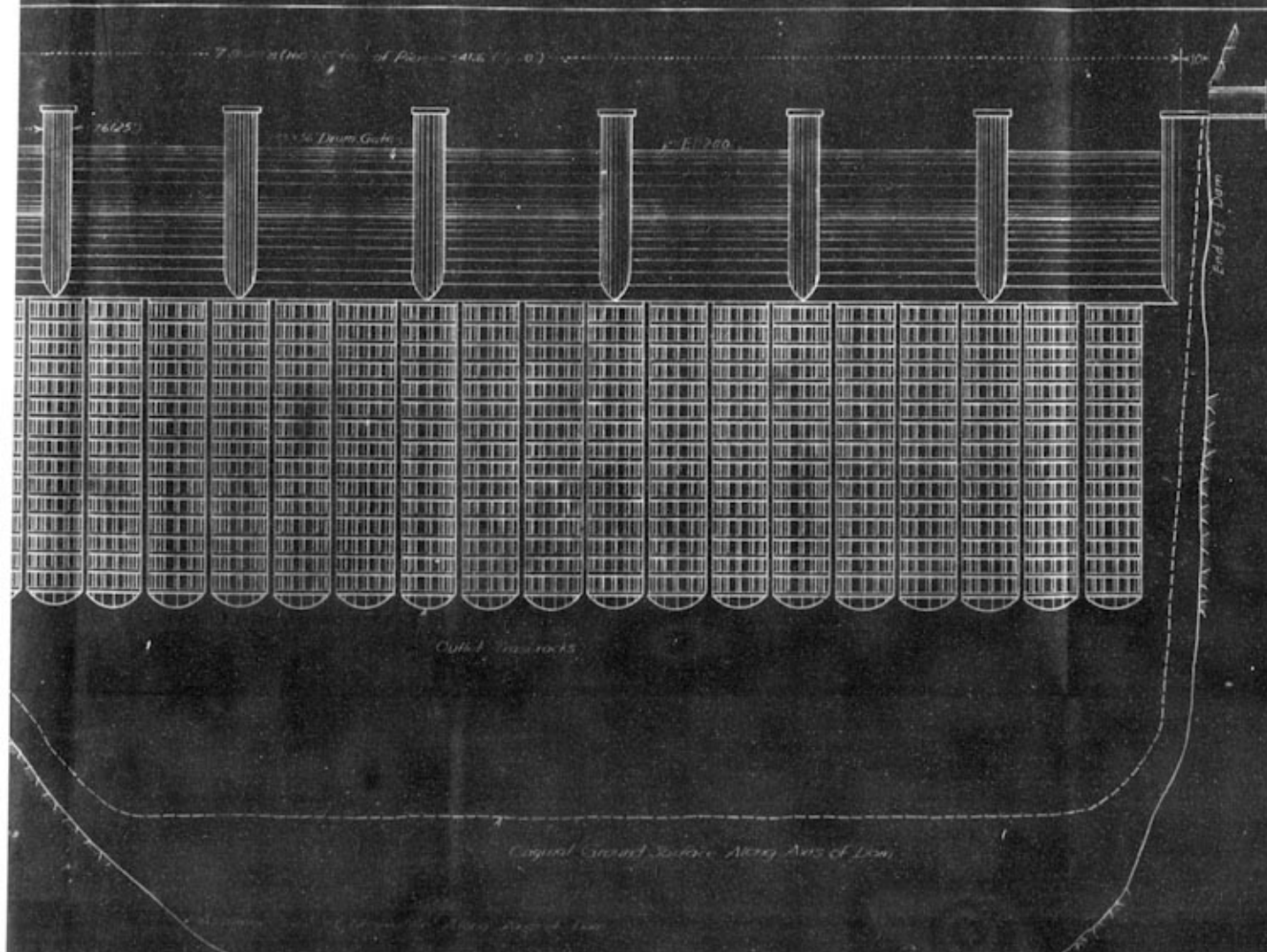


China - Yangtze Stays Project - Drawings 1/19/54





TYPICAL SPILLWAY SECTION



UPSTREAM ELEVATION

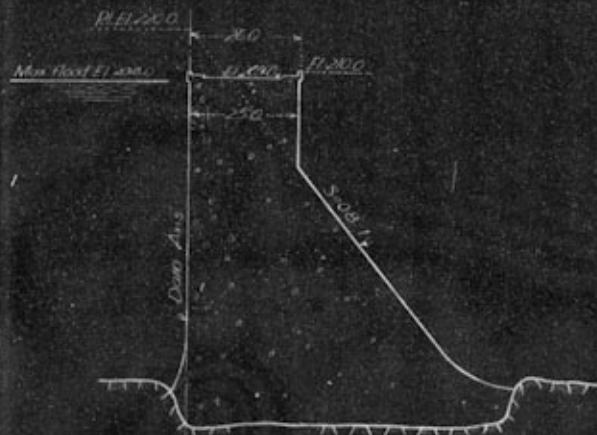


SCALE OF METERS

1 : 1000

NOTES:

Dimensions and elevations are in meters except those especially noted.



TYPICAL NON-OVERFLOW SECTION

MINISTRY OF ECONOMIC AFFAIRS
NATIONAL RESOURCES COMMISSION
YANGTZE GORGE PROJECT
PRELIMINARY INVESTIGATION

STUDY NO. 2

DAM-ELEVATION AND SECTIONS

CONSULTING ENGINEER *J. L. Savage*

CHANGHONG Szechuan, CHINA, 1942

SHEET (C-1) DRAWING NO. Y-6

YANGTZE RIVER

DIVERSION TUNNEL INTAKES

TRASHRACK SHAFTS

UPSTREAM CONFERMATION

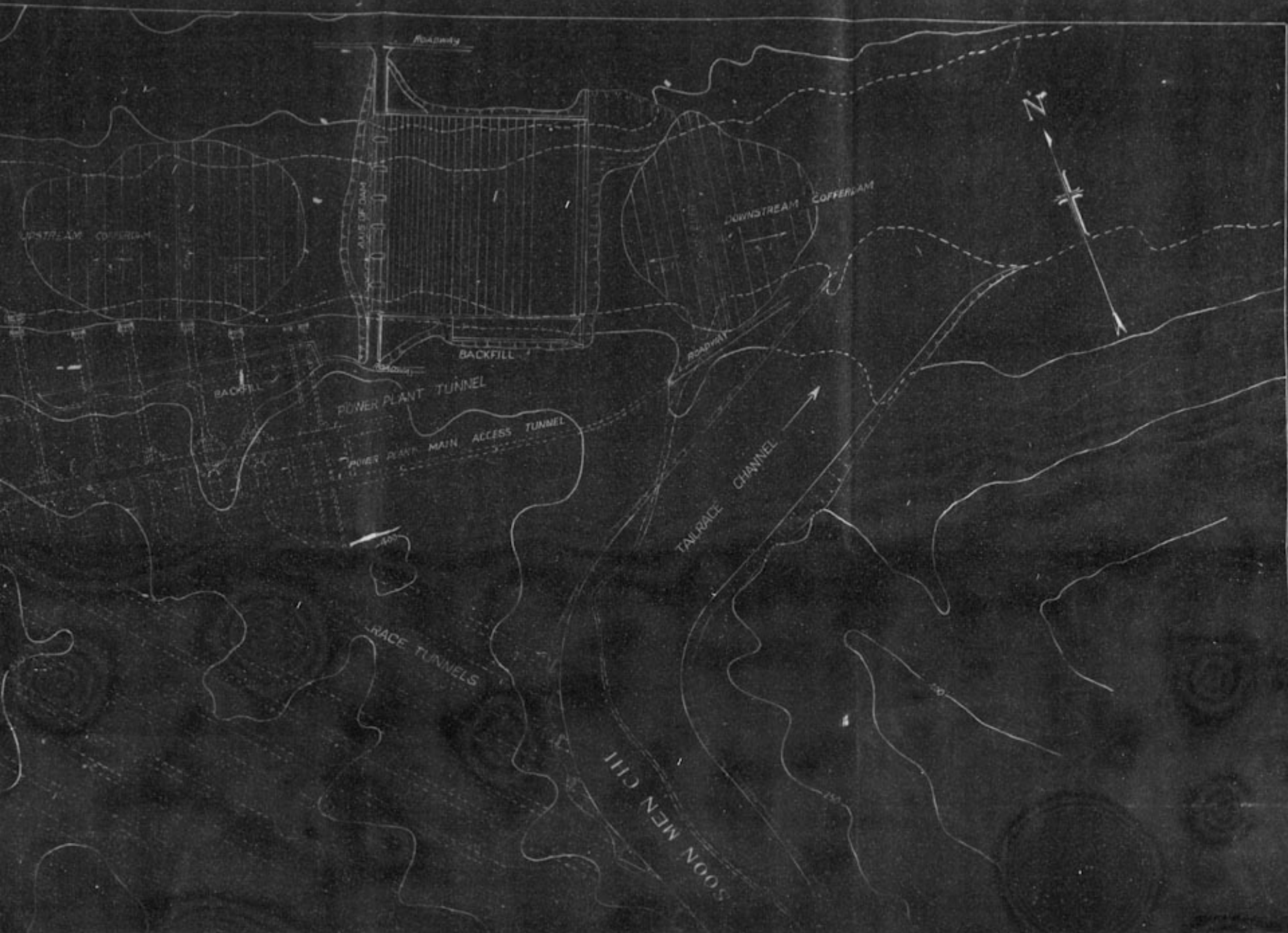
14-CHIEF TUNNELS

PEDESTRIAN CHIEF

PEDSTRIAN

SCALE OF METERS
1 : 5000

20-DIVERSION AND TAILRACE TUNNELS





1:63

Transformer Tunnels not shown

Elevations & Dimensions in meters
except where noted

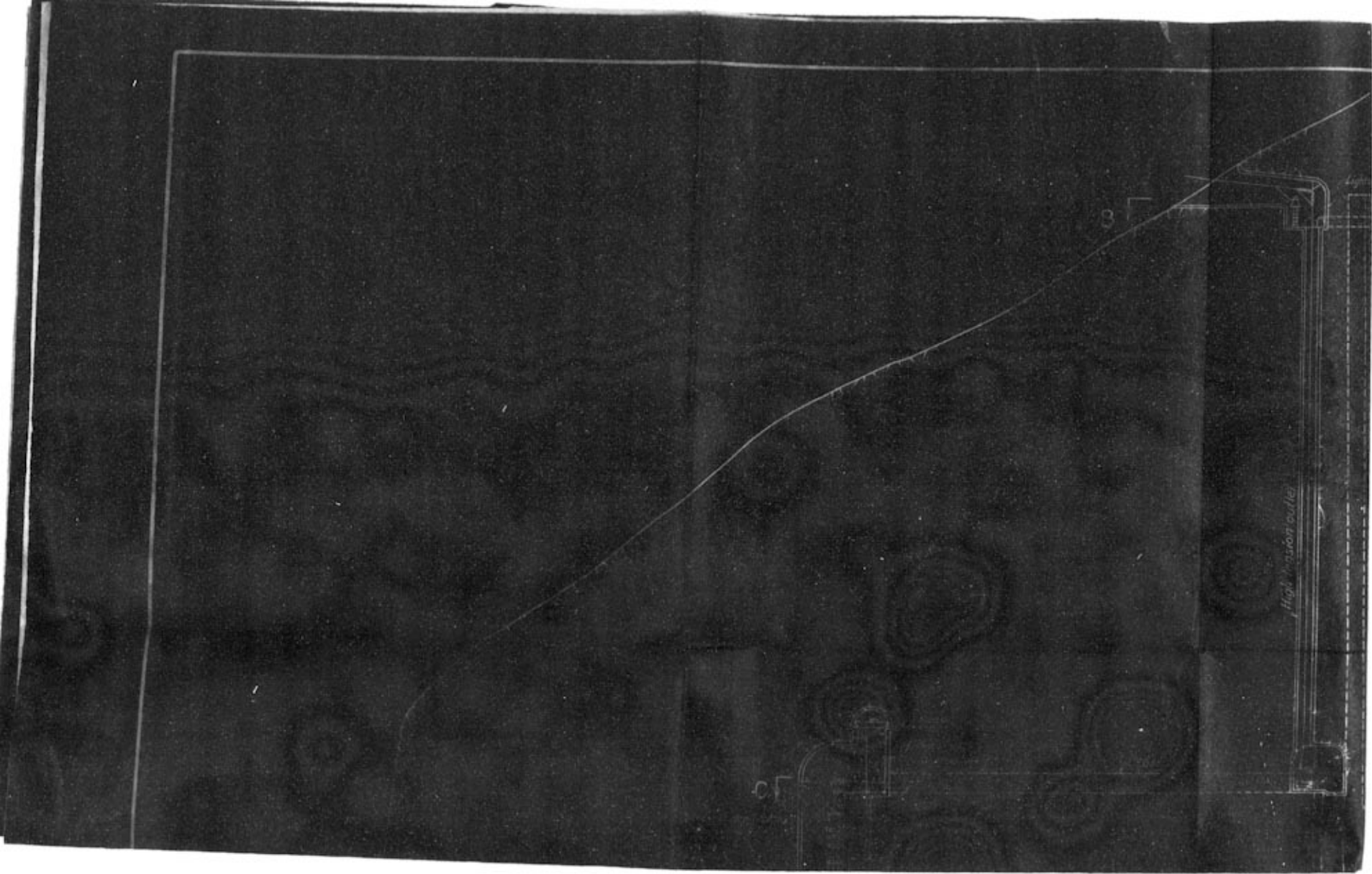
MINISTRY OF ECONOMIC AFFAIRS
NATIONAL RESOURCES COMMISSION
YANGTZE GORGE PROJECT
PRELIMINARY INVESTIGATIONS
STUDY NO. 1

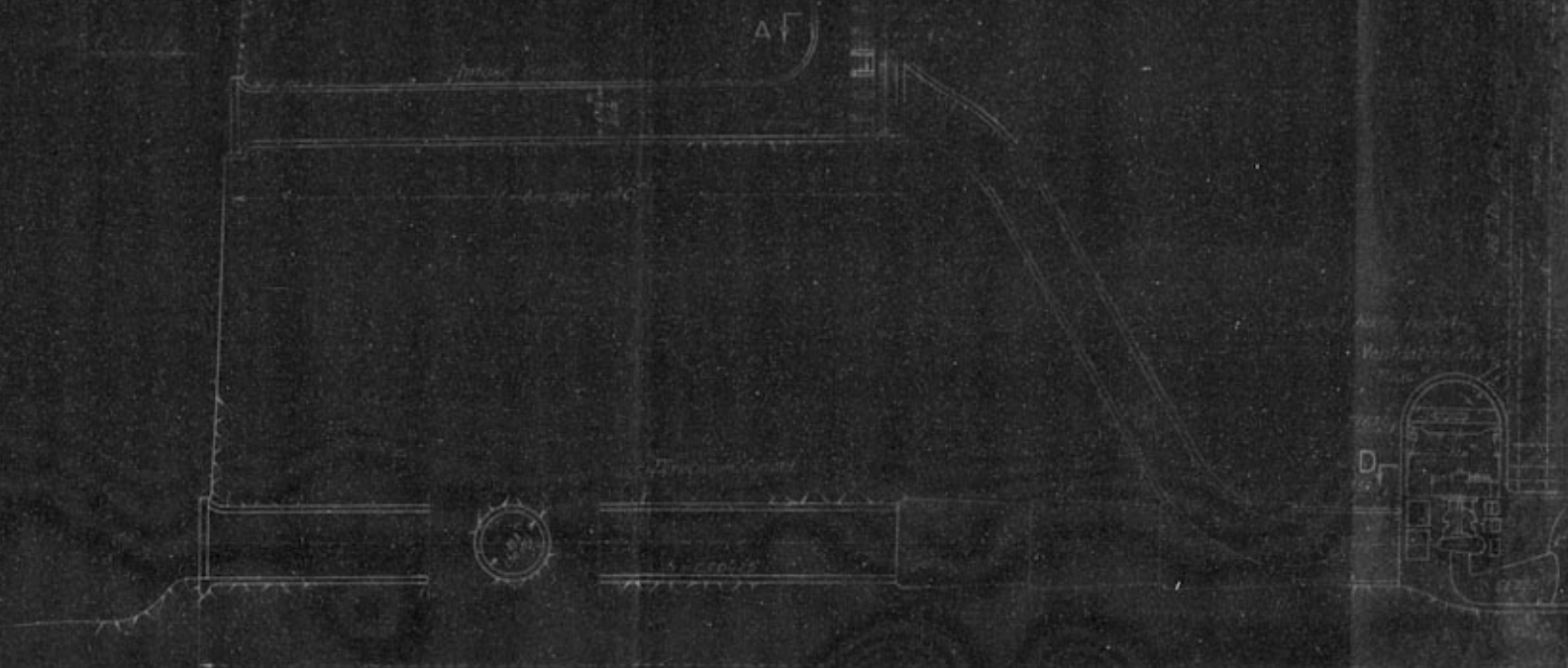
GENERAL LAYOUT

CONSULTING ENGINEER *J. L. Huang*

CHANGSHU, YICHUAN OCT 15 1944

SHEET 1001 DRAWING NO. Y-1





B



SECTION A-A

1/2" DIA. HOLE
IN CENTER



SECTION C-C

Transformer tunnel

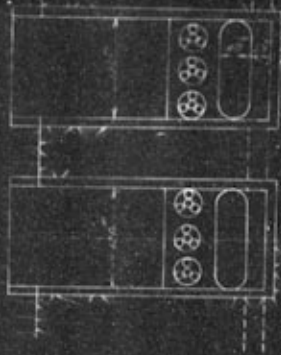


SECTION D-D

Transformer tunnel

Notes:

1. Dimensions and tolerances are in inches, except those specifically noted.
2. All dimensions are to center, unless otherwise noted.
3. All dimensions are to be maintained as shown.



SECTION B-B

Scale 1:500

Diversion and tailrace tunnel

Tailrace channel

11251

MINISTRY OF ECONOMIC AFFAIRS
NATIONAL RESOURCES COMMISSION
YANGTZE GORGE PROJECT
PRELIMINARY INVESTIGATIONS

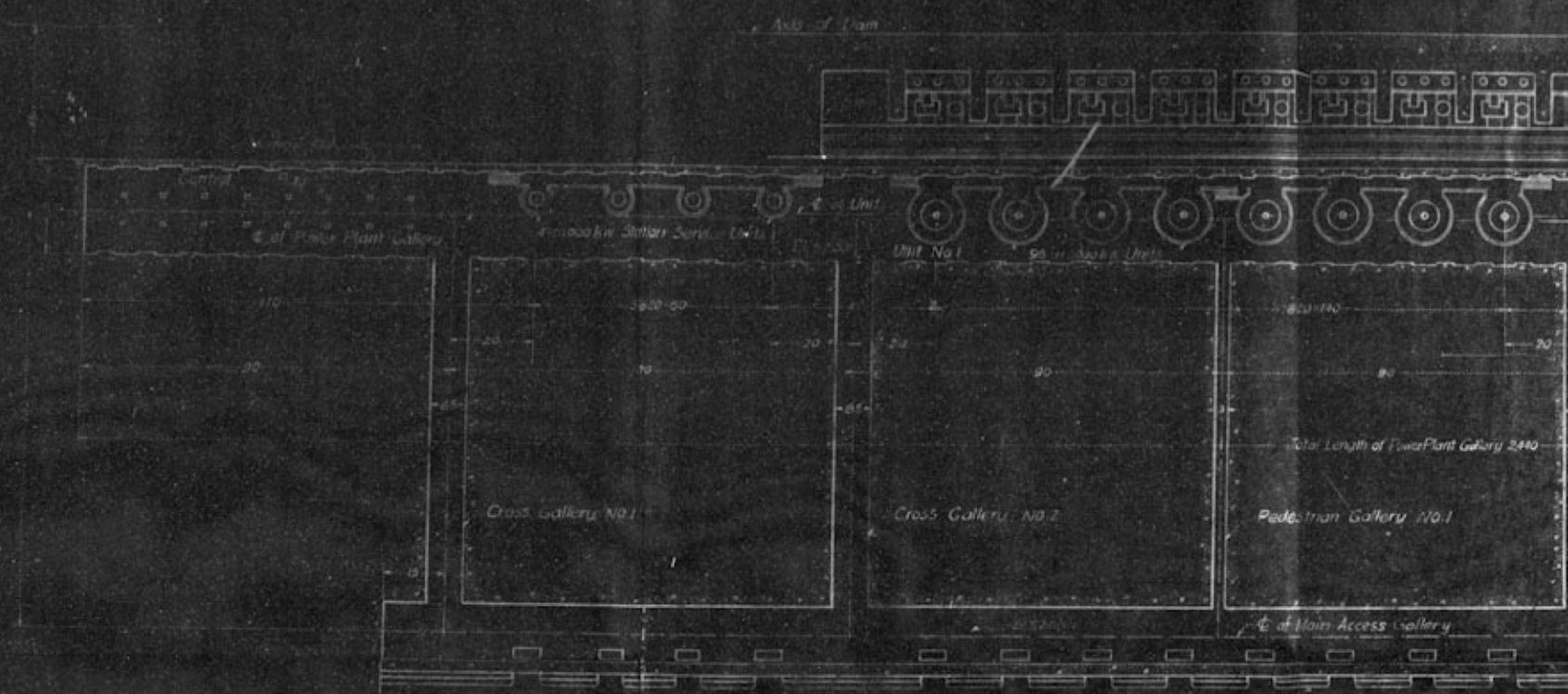
STUDY NO. 2

TYPICAL SECTION

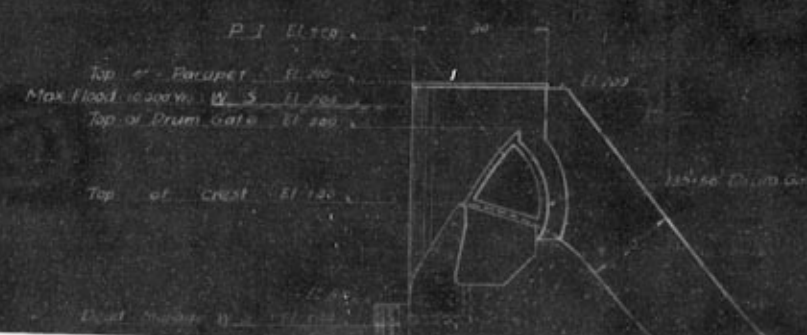
CONSULTING ENGINEER *J. L. Savage*

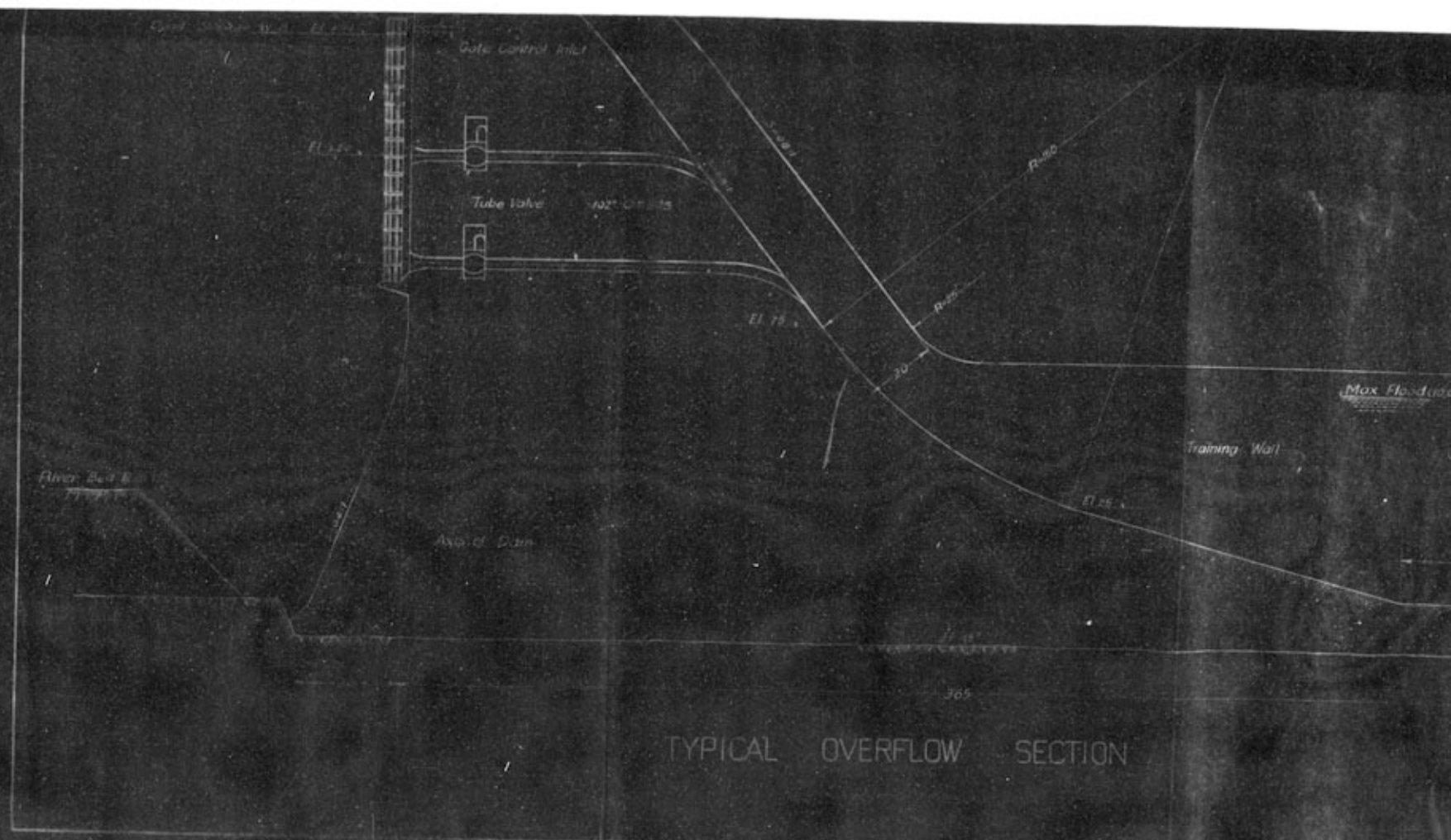
KANSU CHUAN-SZE CHUAN OCT. 10, 1941

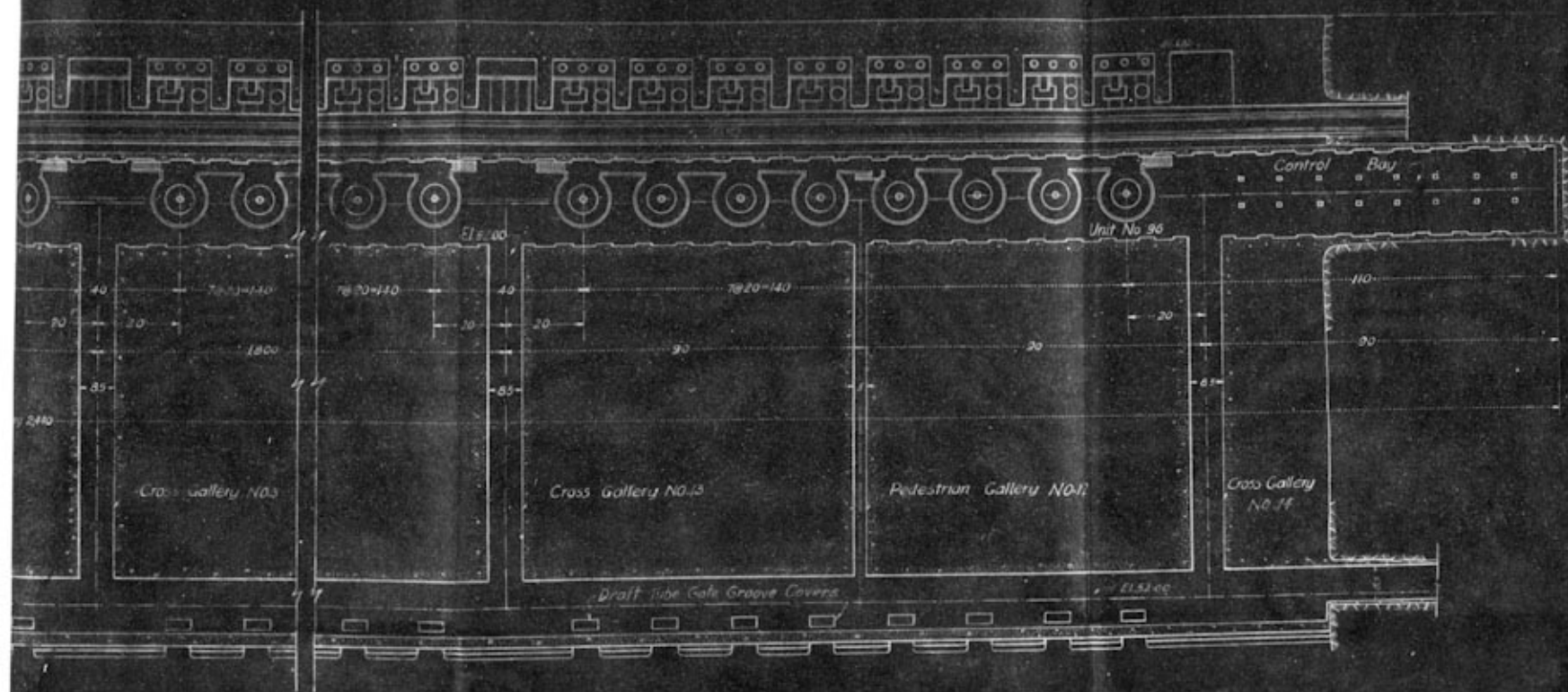
DRAWING NO. Y-7



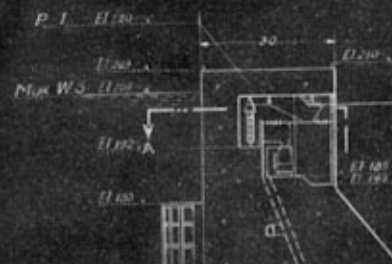
SECTION





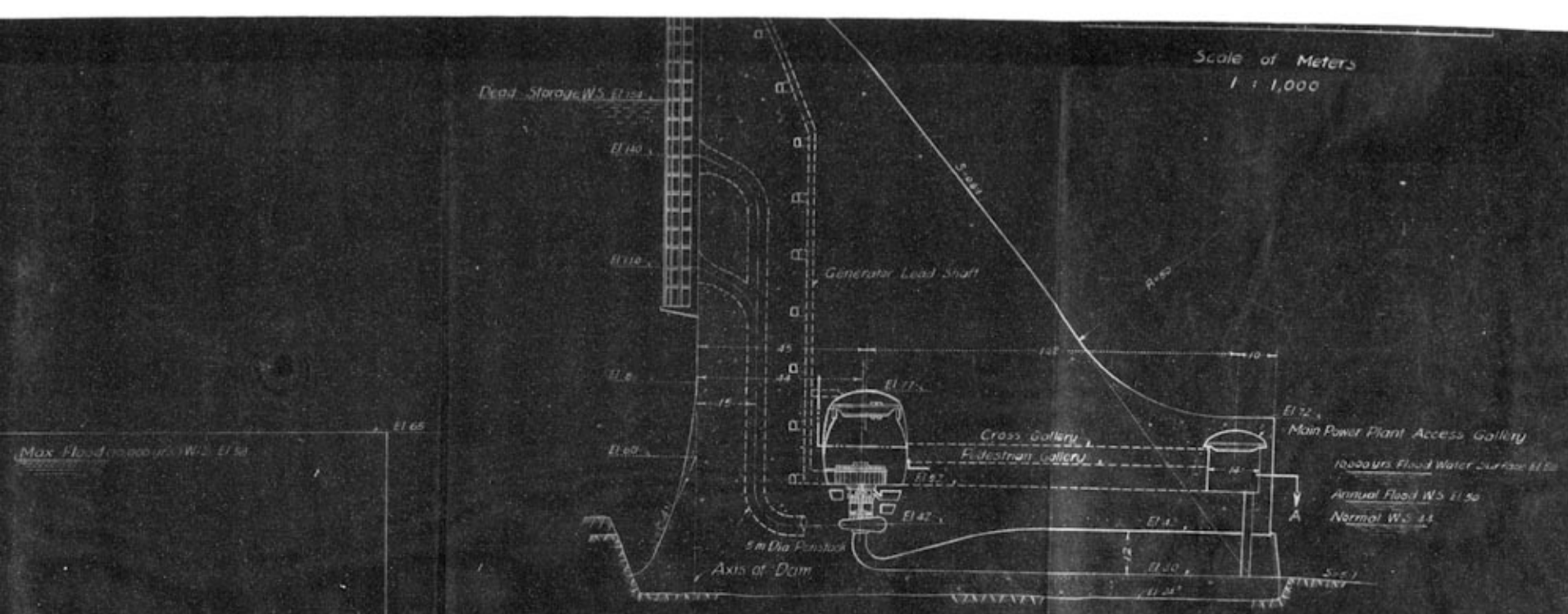


A-A



Scale of Meters

Scale of Meters
1 : 1,000



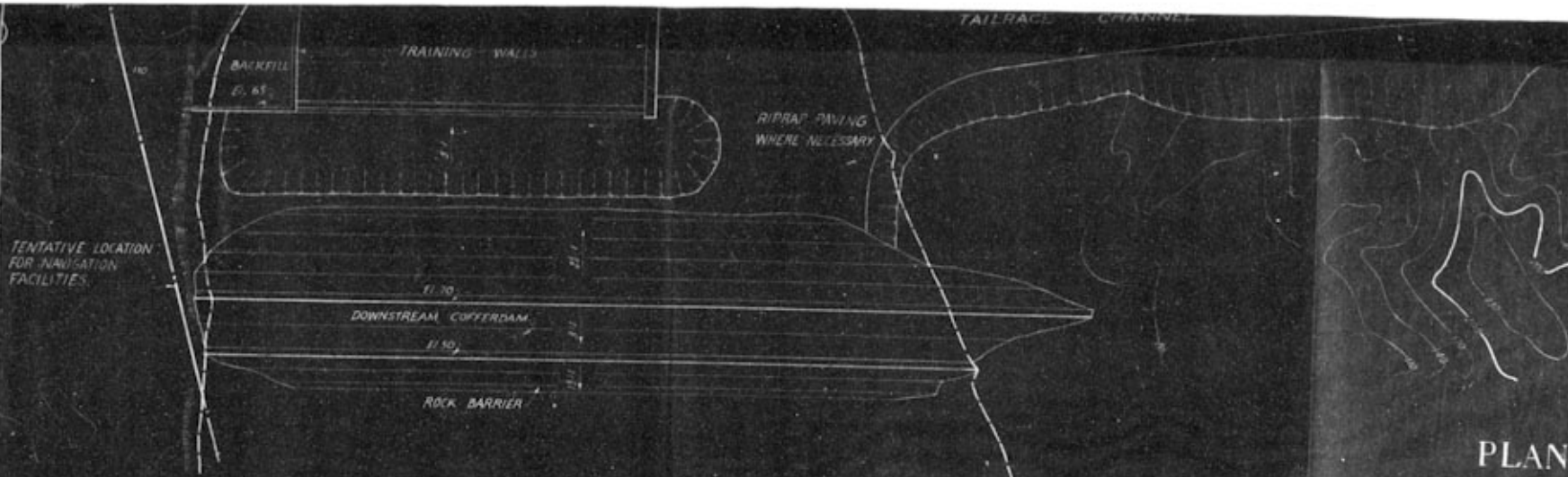
TYPICAL NON-OVERFLOW SECTION

MINISTRY OF ECONOMIC AFFAIRS
NATIONAL RESOURCES COMMISSION
YANTIE-LIJIANG PROJECT
PRELIMINARY INVESTIGATION
STUDY NO. 1

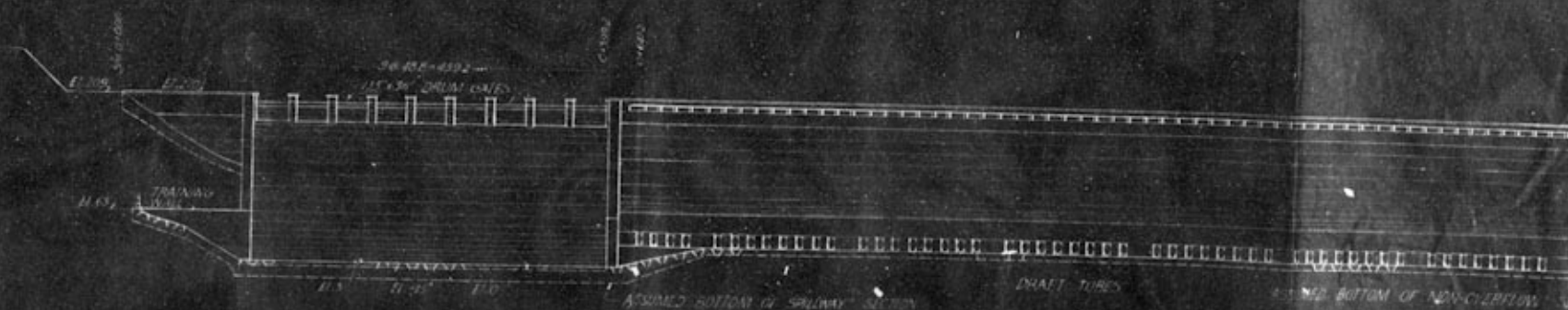
DAM AND POWER PLANT SECTIONS

CONSULTING ENGINEER *J. L. Savage*
CHANGSHOU SEICHUAN DISTRICT
SHEET 1 OF 1 DRAWING NO. 1-16





PLAN



DOWNSTREAM ELEVATION



PLAN

TAILRACE CHANNEL

ACCESS TUNNEL

SCALE OF METERS

1: 5000

STREAM ELEVATION

NOTES:

DIMENSIONS AND ELEVATIONS ARE IN METERS
EXCEPT THOSE, ESPECIALLY NOTED.

MINISTRY OF ECONOMIC AFFAIRS
NATIONAL RESOURCES COMMISSION
YANGTZE GORGE PROJECT
PRELIMINARY INVESTIGATIONS

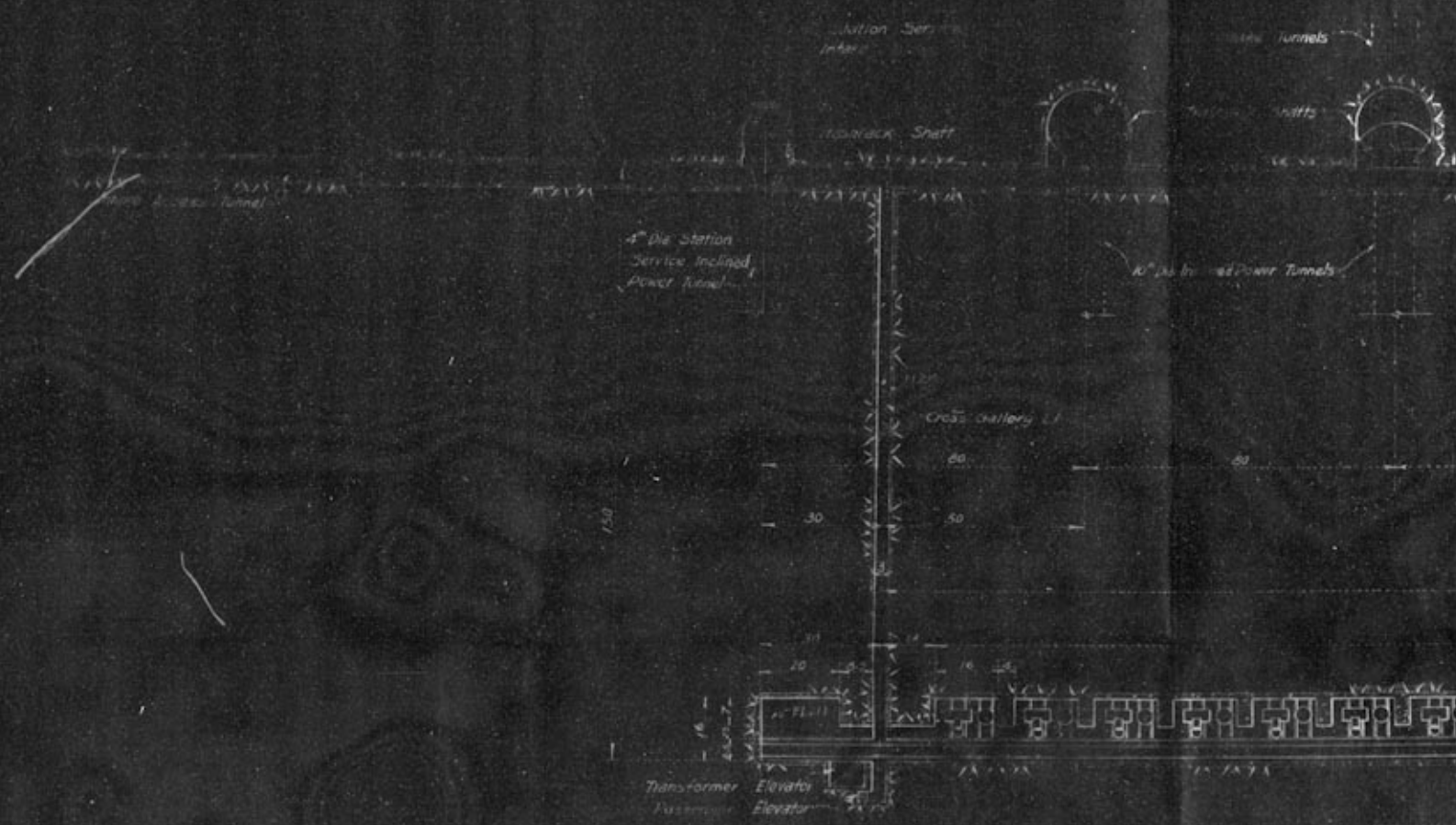
STUDY NO. 5

GENERAL LAYOUT

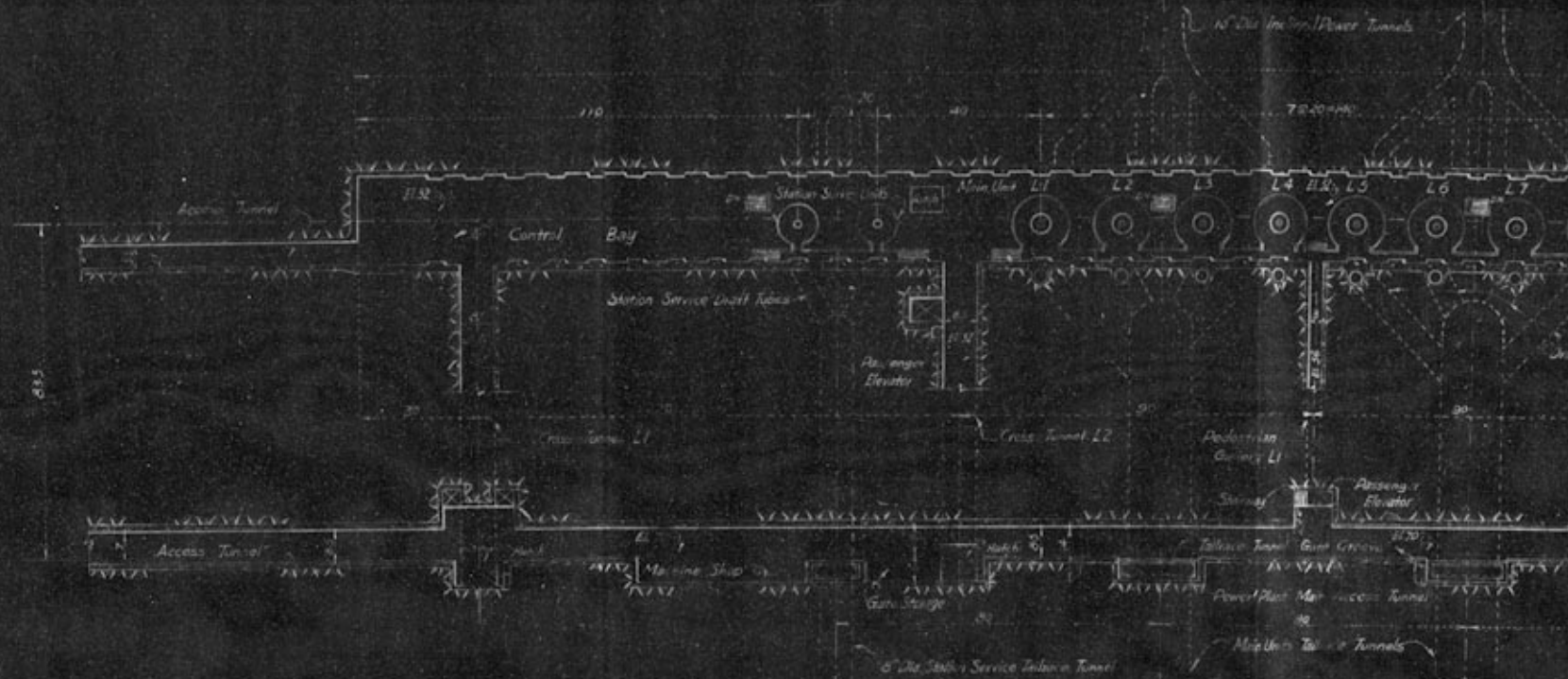
CONSULTING ENGINEER *J. H. Sarge*

CHANGSHOW, Szechuan, OCT. 18, 1944

SHEET 1 OF 1 DRAWING NO. Y-15



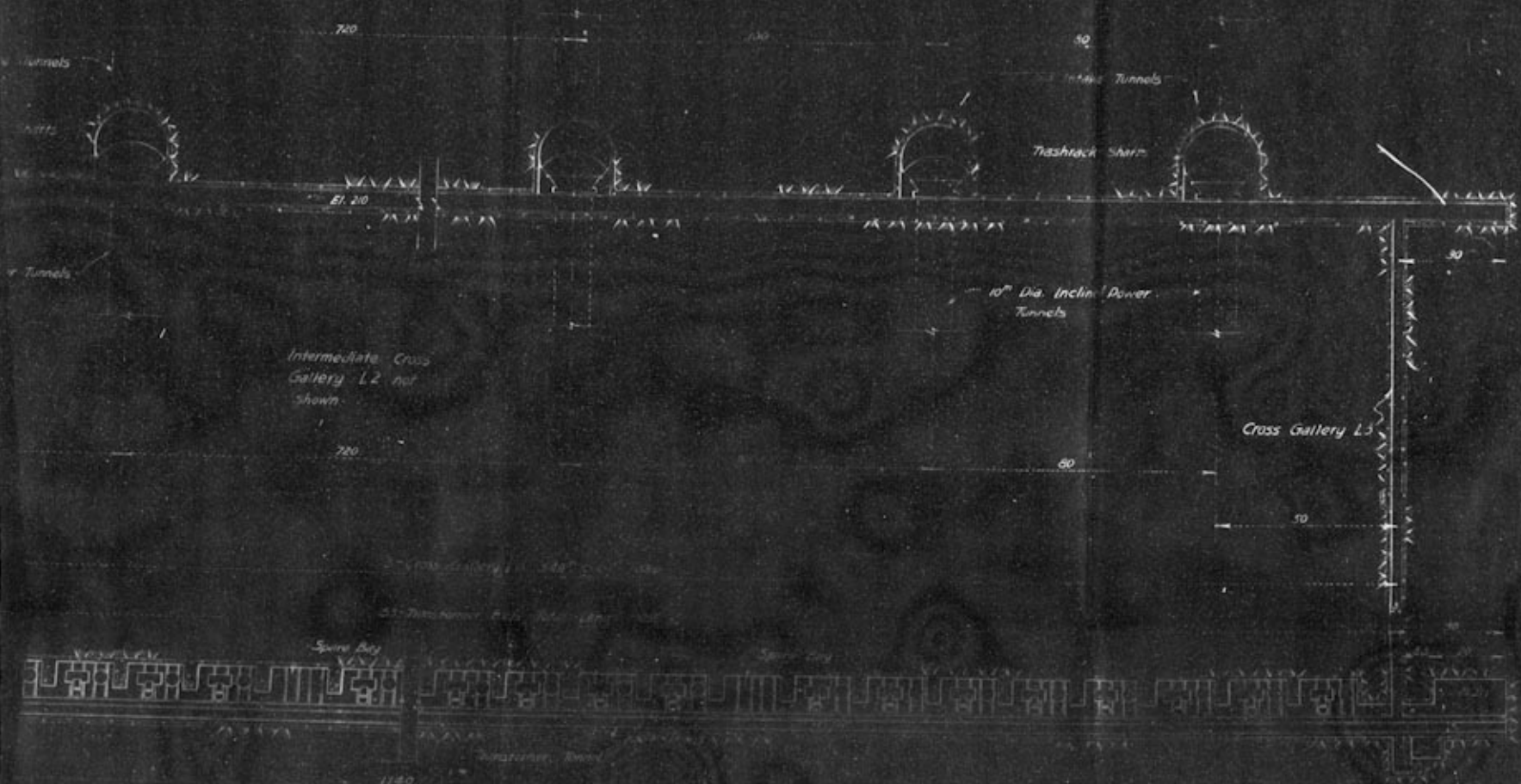
SECTION



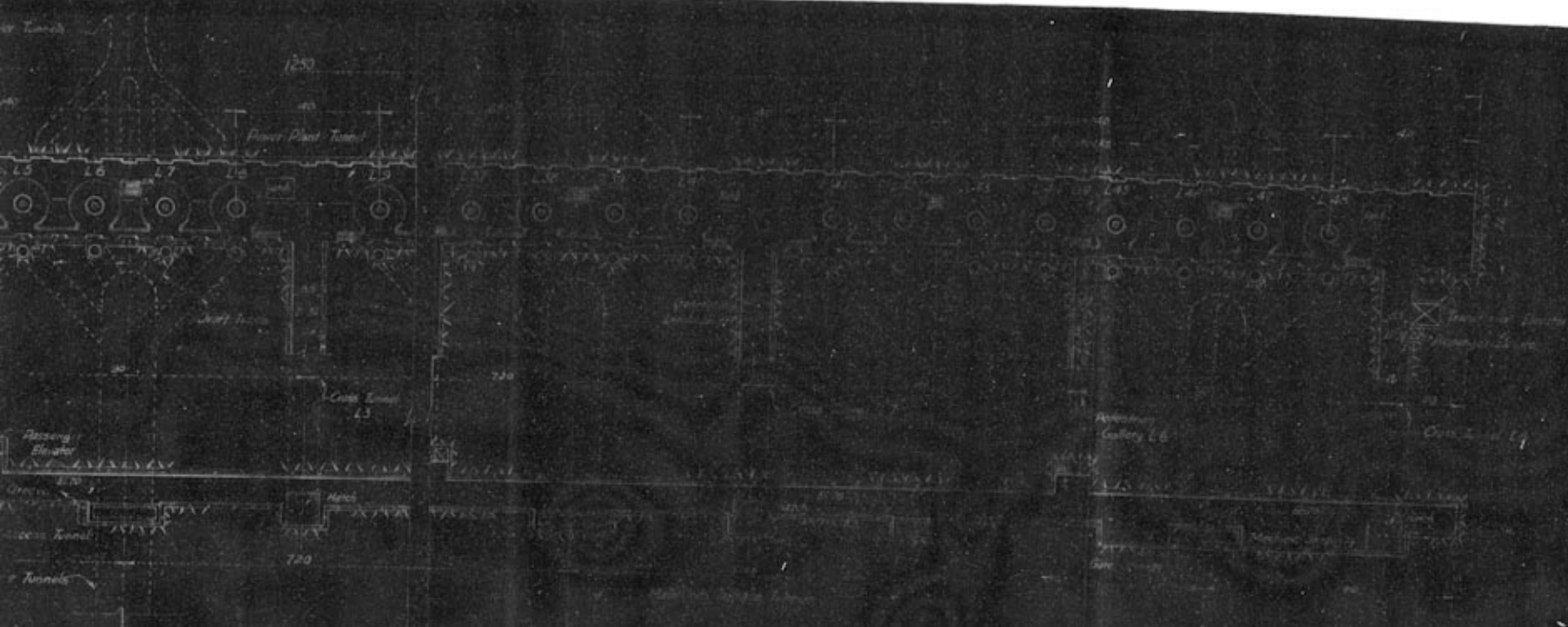
Scale of Meters
1 : 1000

SECTION

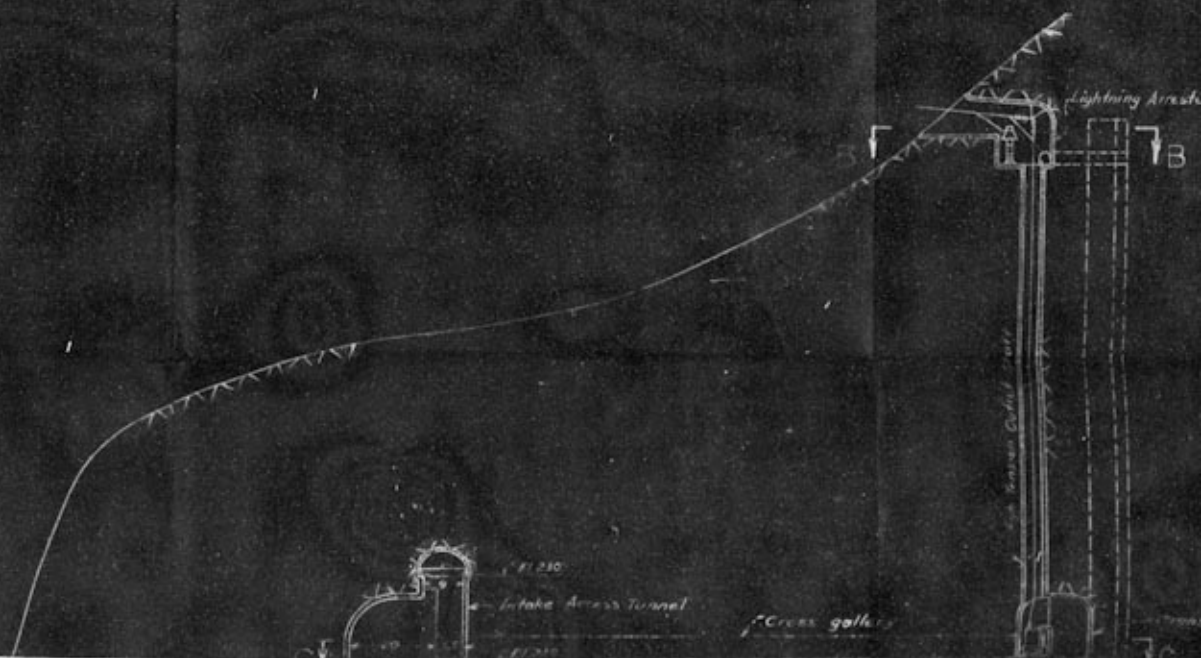
Notes:
Right bank tunnel system
Elevations and Dimensions

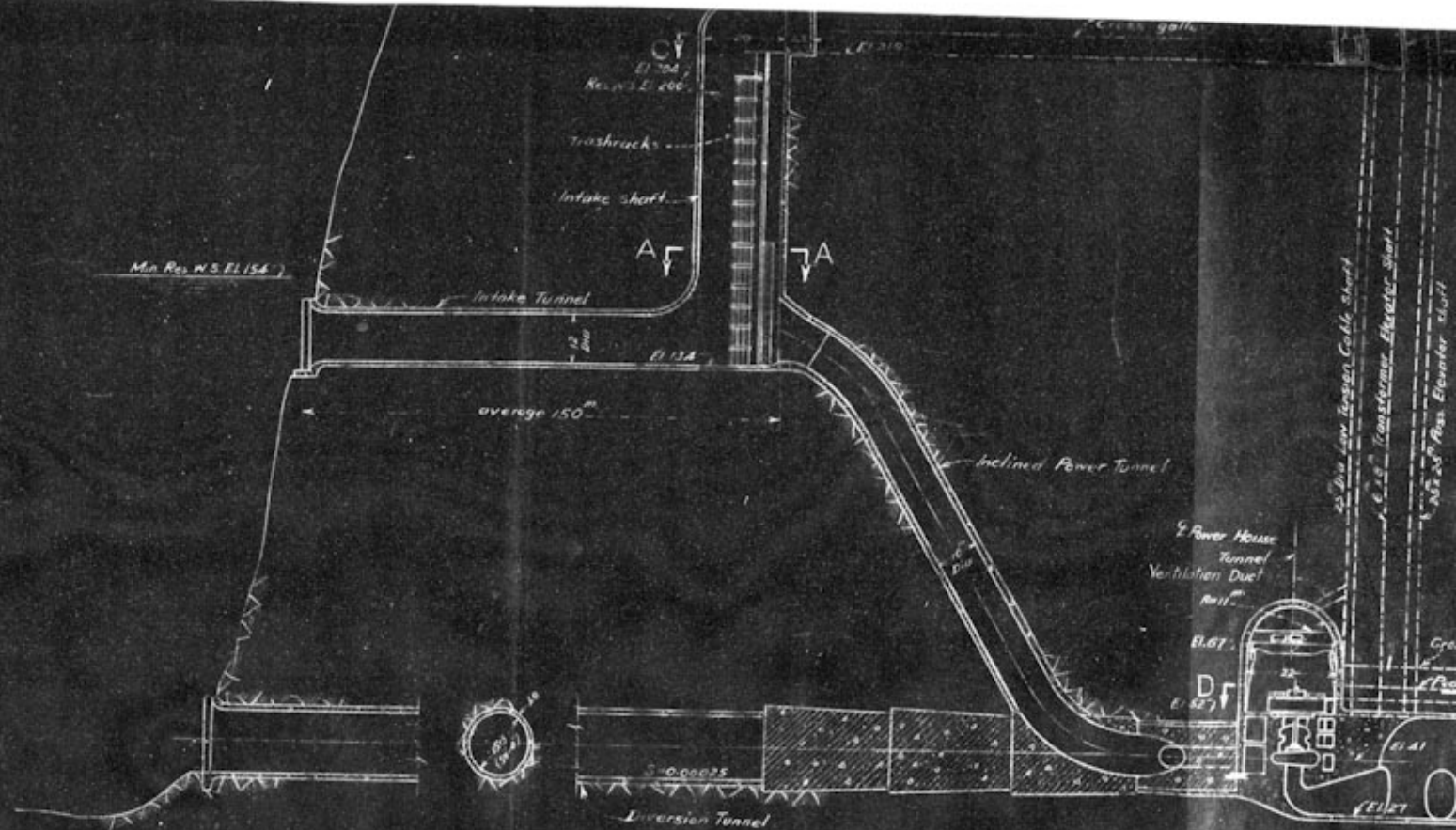


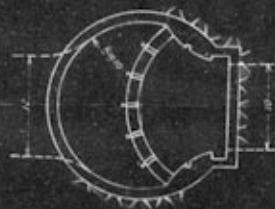
SECTION C-C



SECTION D-D





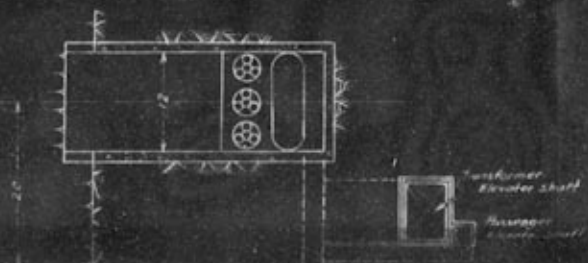


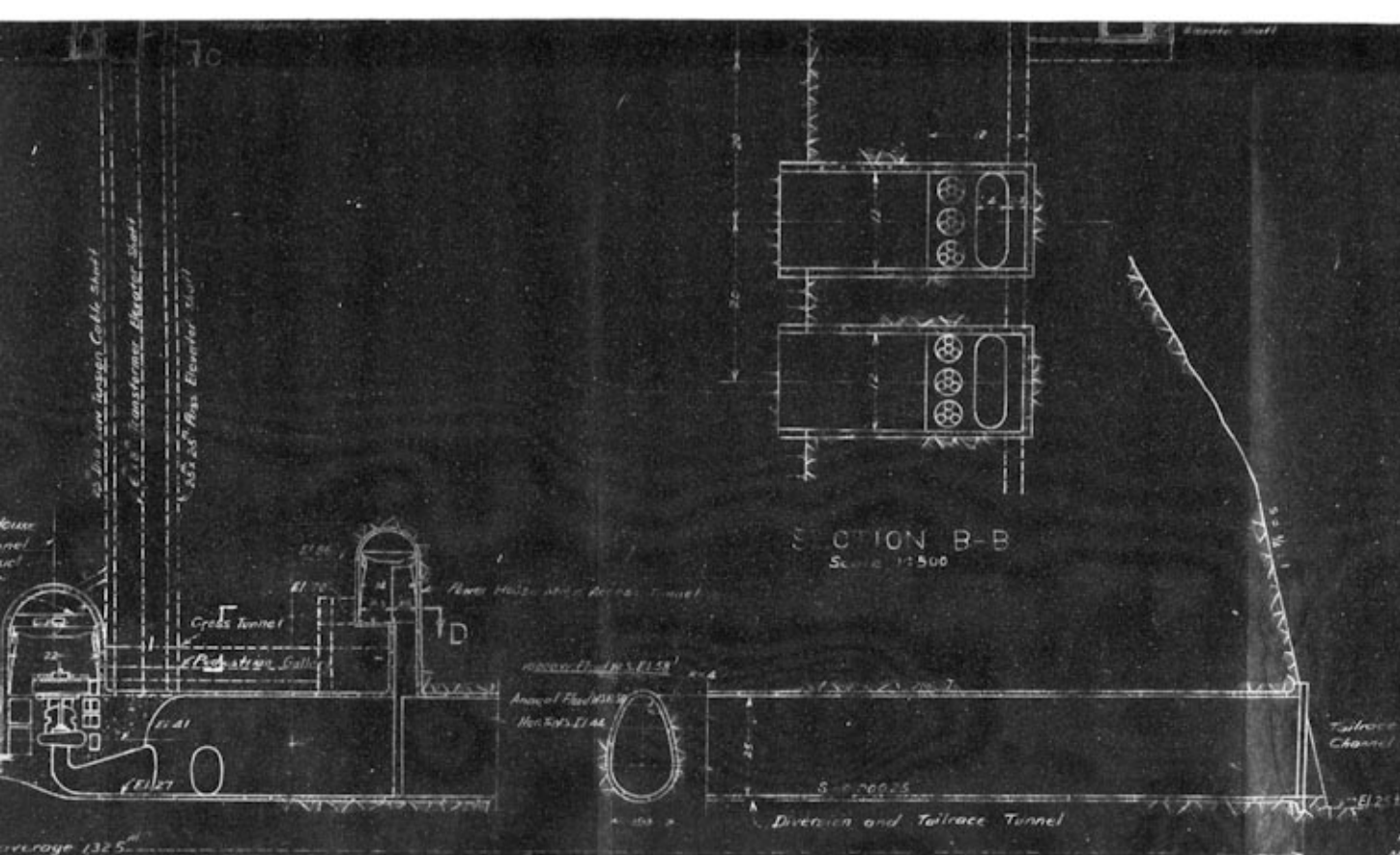
SECTION A-A

Scale of Meters
1:500

NOTES:

Dimensions and elevations are in Meters
Except those specially noted.
All drainage systems around tunnels and
galleries are not shown.





SECTION B-B

Scale 1:500

MINISTRY OF ECONOMIC AFFAIRS
NATIONAL RESOURCES COMMISSION
YANGTZE GORGE PROJECT
PRELIMINARY INVESTIGATIONS
STUDY NO. 4

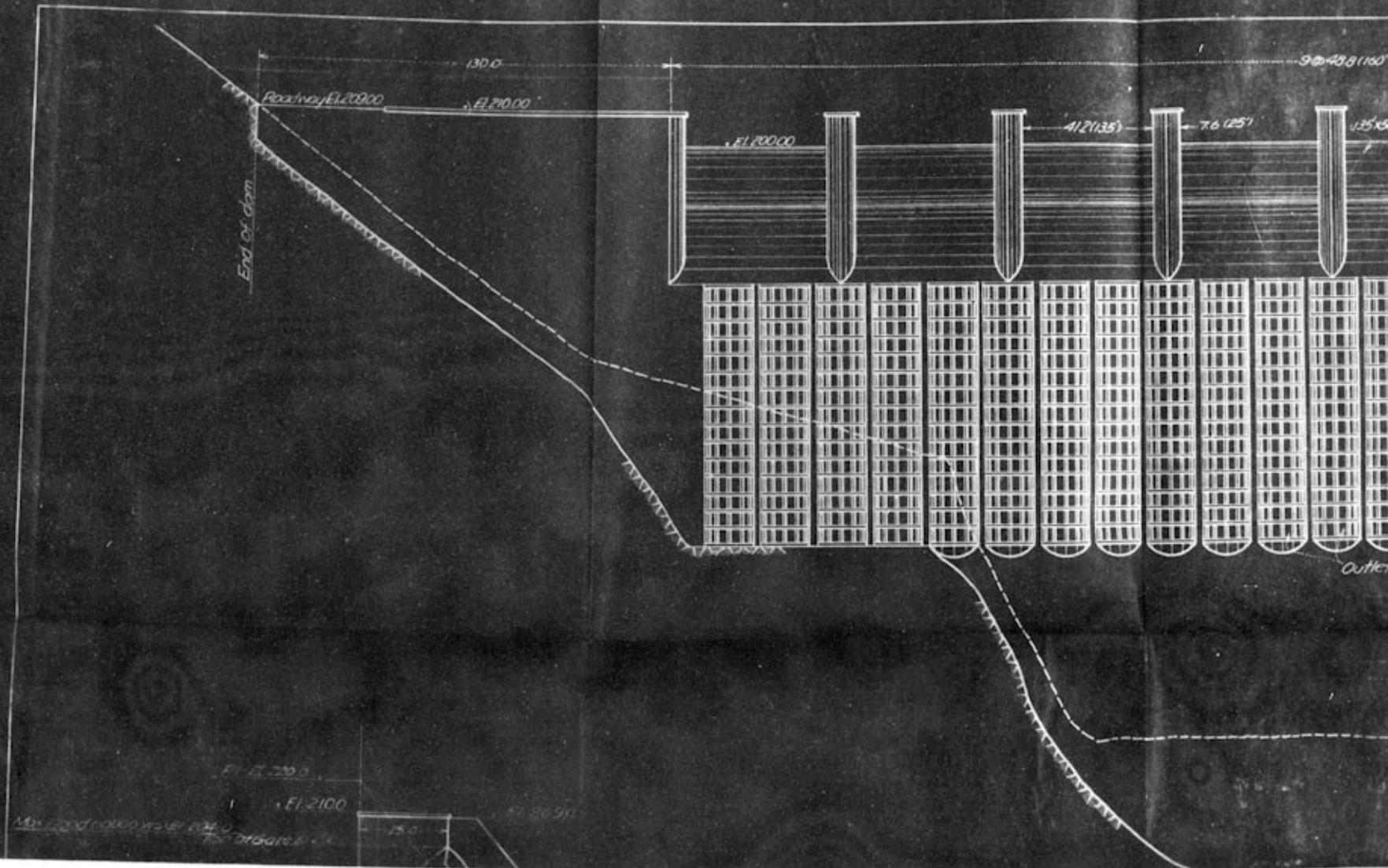
TYPICAL SECTION

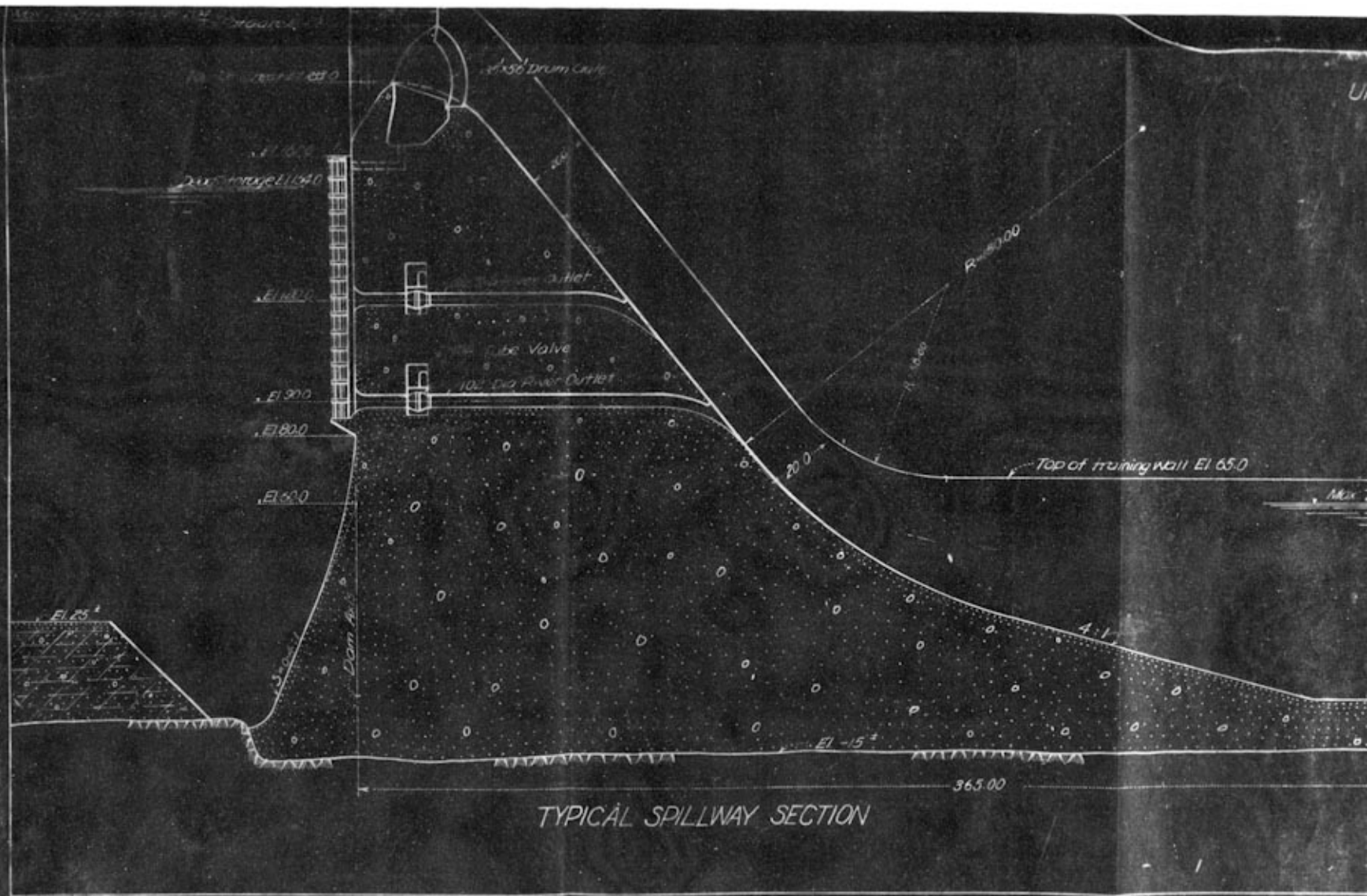
CONSULTING ENGINEER *J. L. Savage*

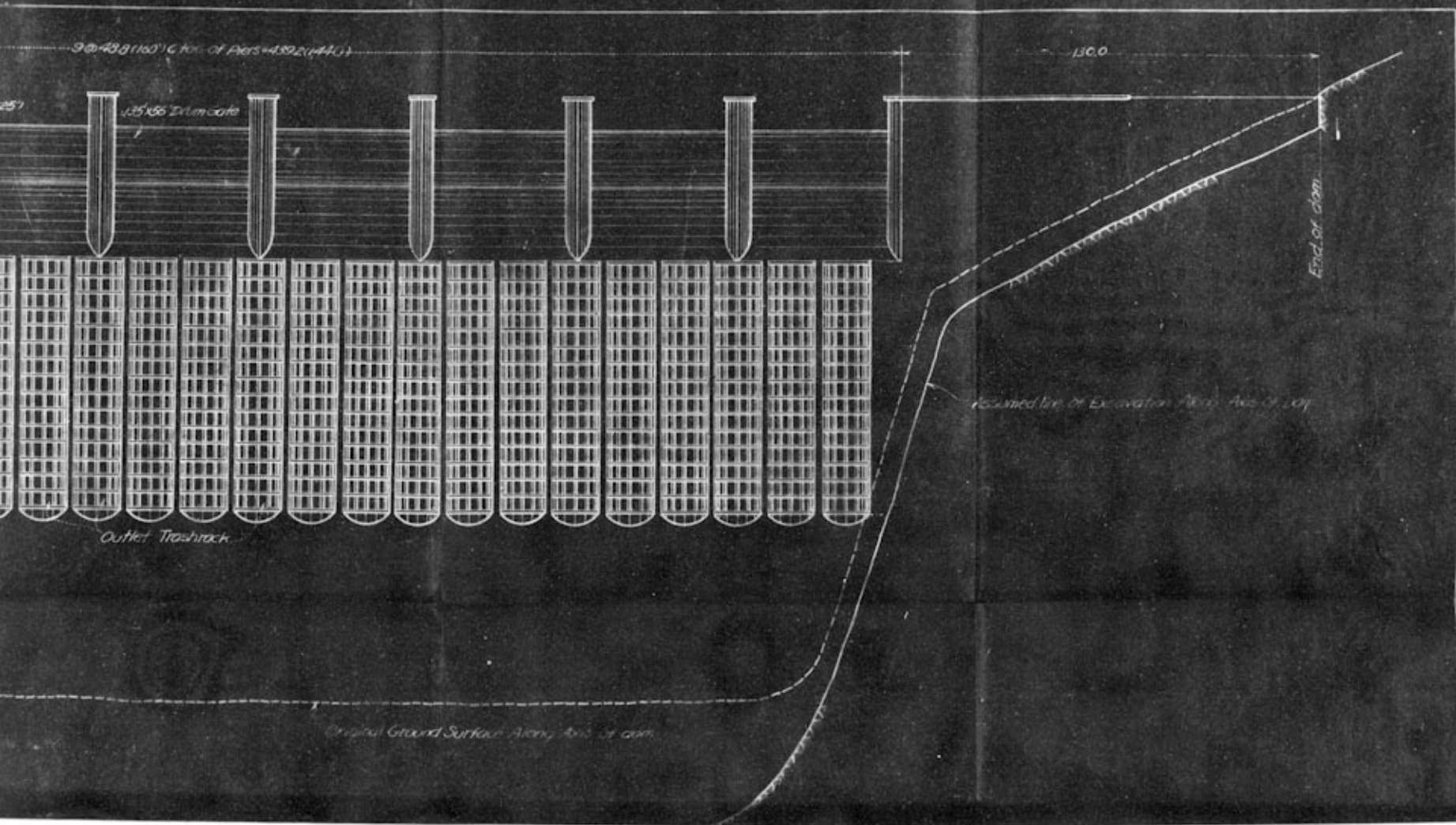
CHANGSHEN SICHUAN SEPT. 22, 1944

SHEET 1 OF 1 DRAWING NO. Y-13

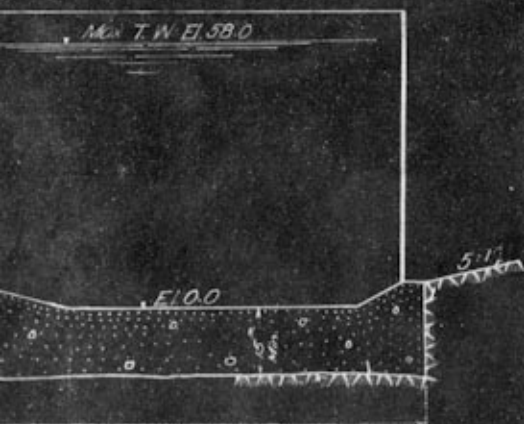
Recommended Plan







UPSTREAM ELEVATION



TYPICAL NON-OVERFLOW SECTION



SCALE OF METERS

1 : 10,000

NOTES:

Dimensions and elevations are in meters except those especially noted

MINISTRY OF ECONOMIC AFFAIRS
NATIONAL RESOURCES COMMISSION
YANGTZE GORGE PROJECT
PRELIMINARY INVESTIGATIONS

STUDY NO. 4

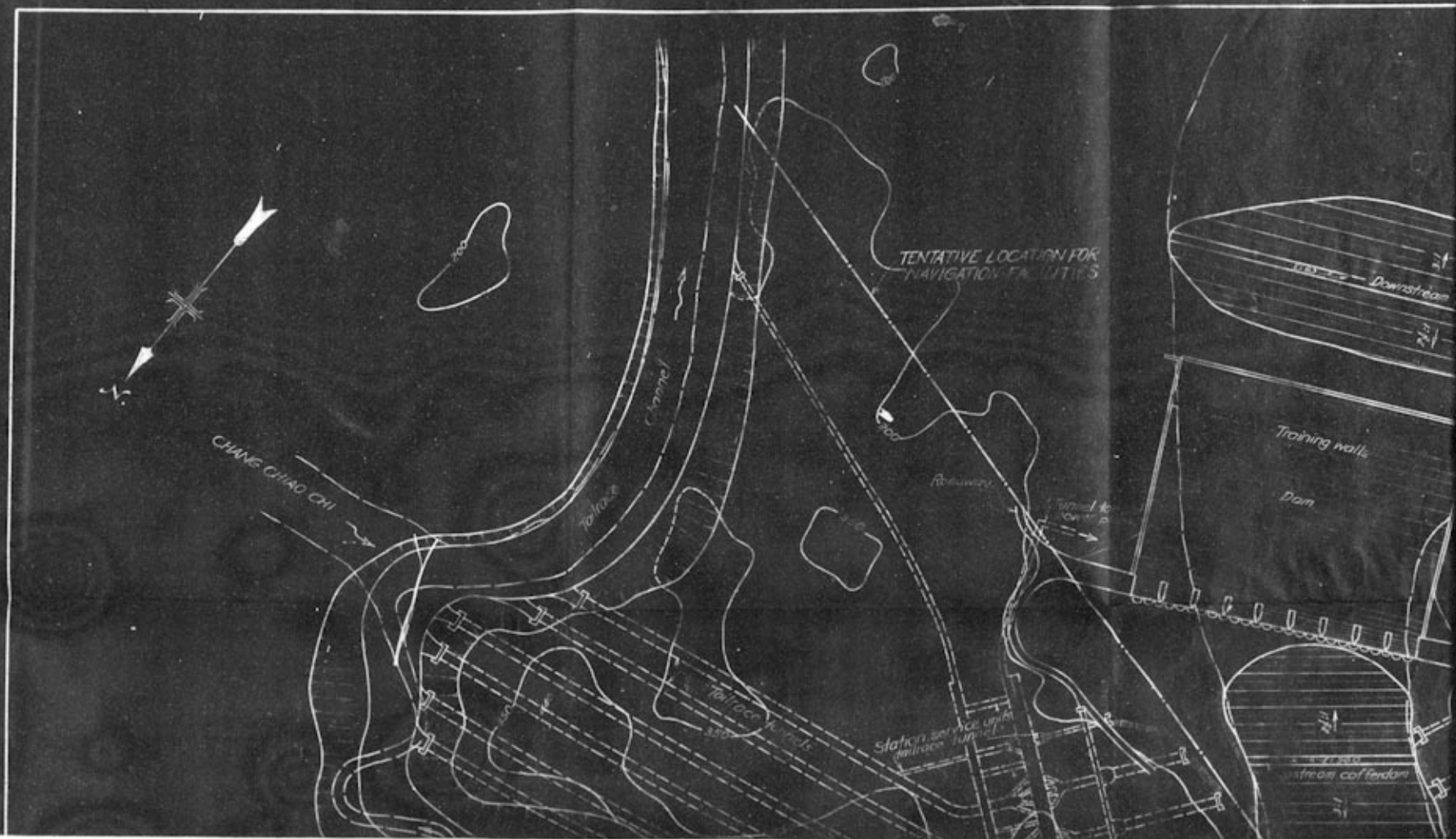
DAM-ELEVATION AND SECTIONS

CONSULTING ENGINEER *J. L. Savage*

CHANGSHOU SICHUAN OCT. 8, 1944

SHEET 1 OF 1 DRAWING NO. Y-12

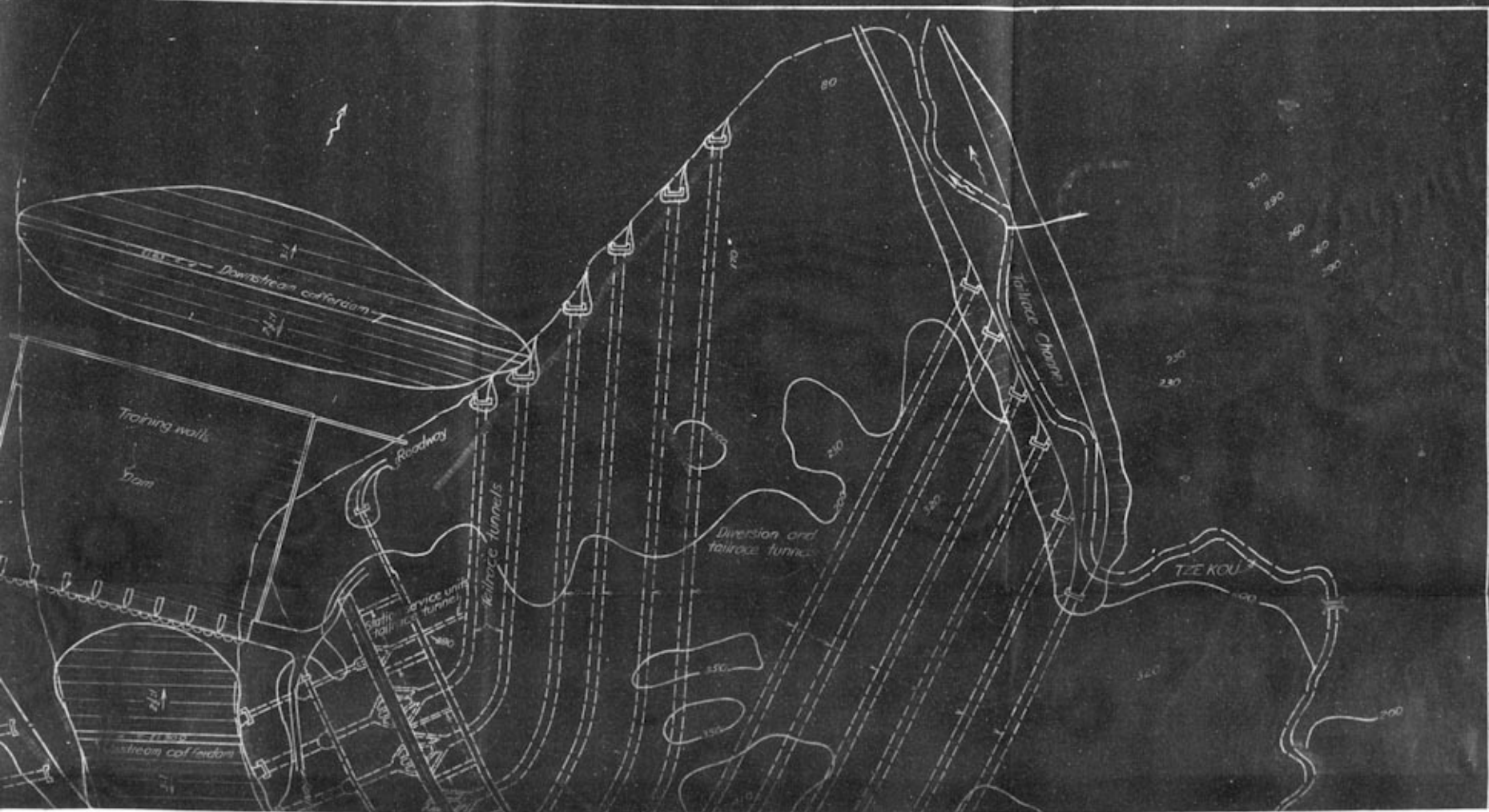
Recommended Plan

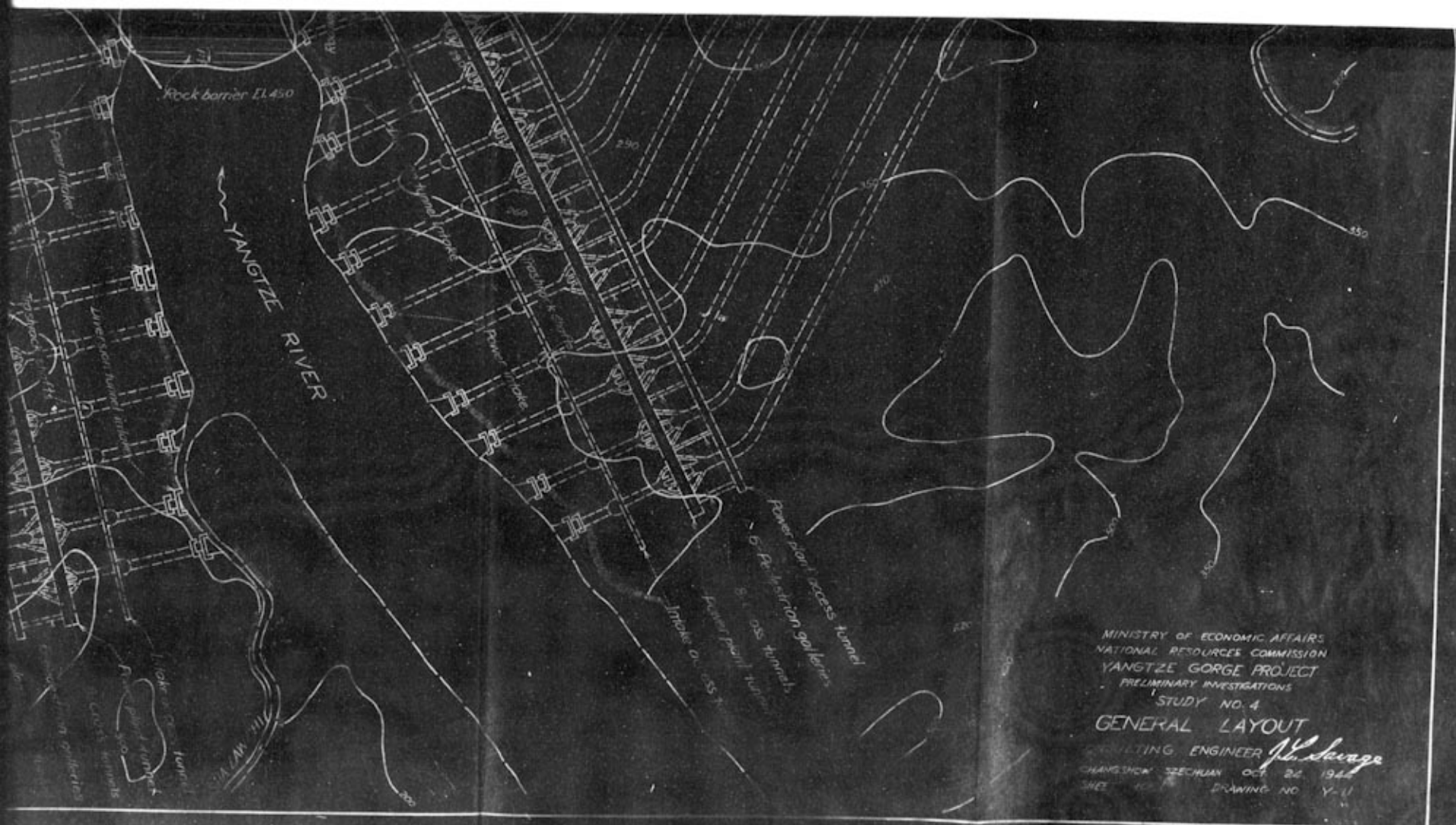


YANGTZE RIVER

Dimensions and elevations are in meters
except those especially noted.
Transformer tunnel not shown.

Number of hauls	<i>P. setiferus</i> (%)	<i>P. setiferus</i> + <i>P. setiferus</i> + <i>P. setiferus</i> (%)
0	0	0
1	20	80
2	10	70
3	20	80
4	10	70
5	20	80
6	10	70
7	20	80
8	10	70
9	20	80
10	30	90



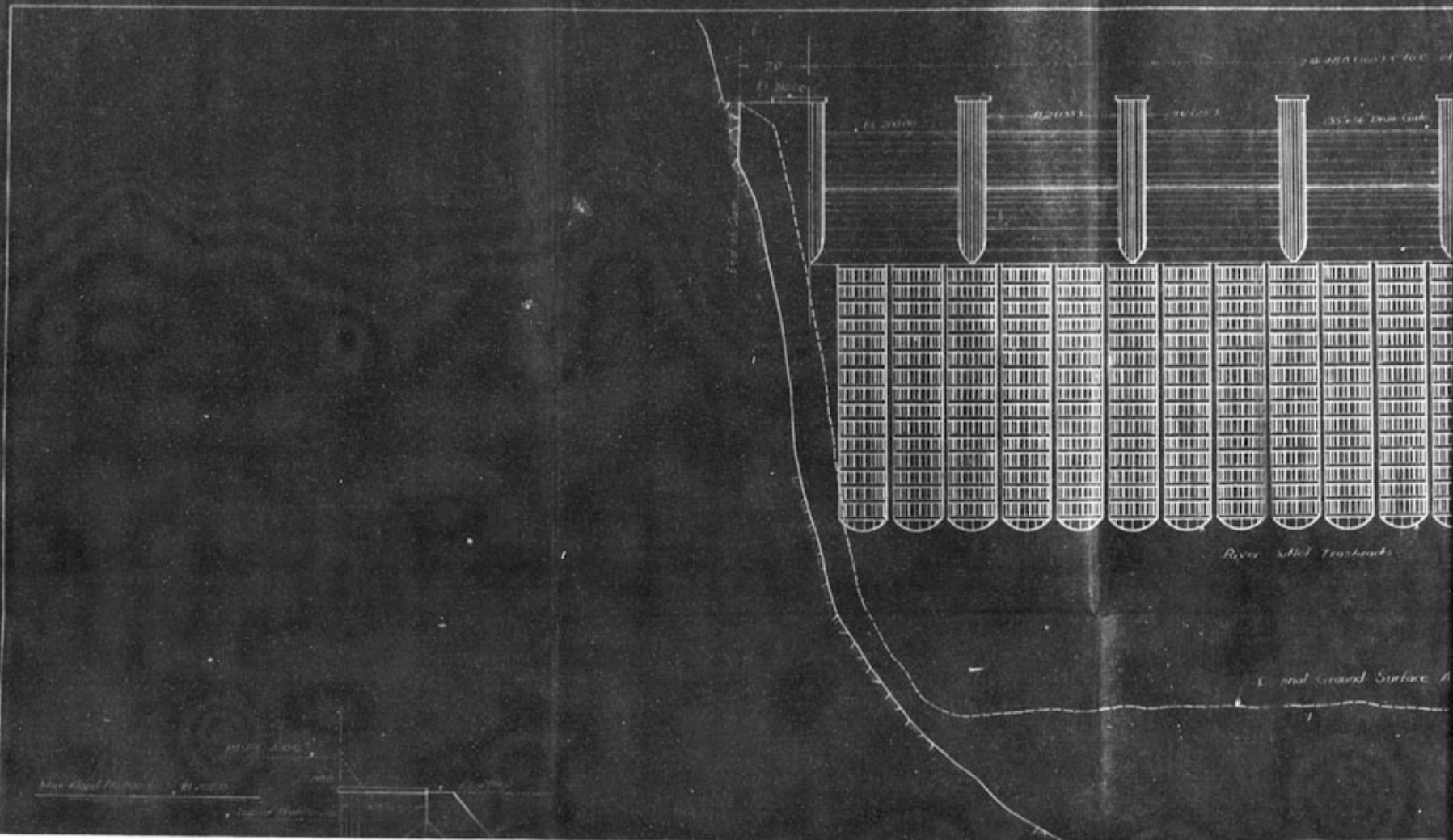


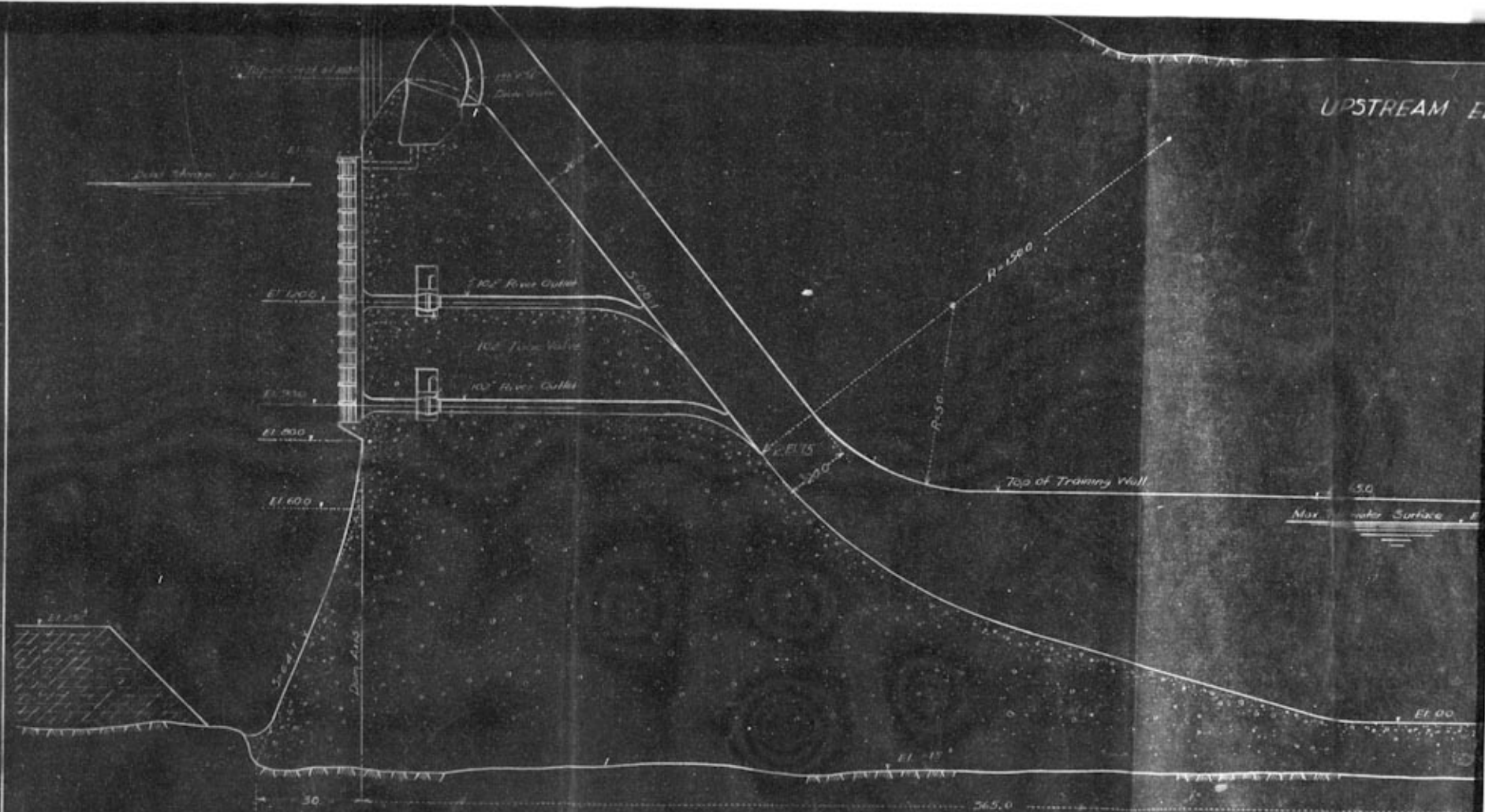
MINISTRY OF ECONOMIC AFFAIRS
NATIONAL RESOURCES COMMISSION
YANGTZE GORGE PROJECT
PRELIMINARY INVESTIGATIONS
STUDY NO. 4

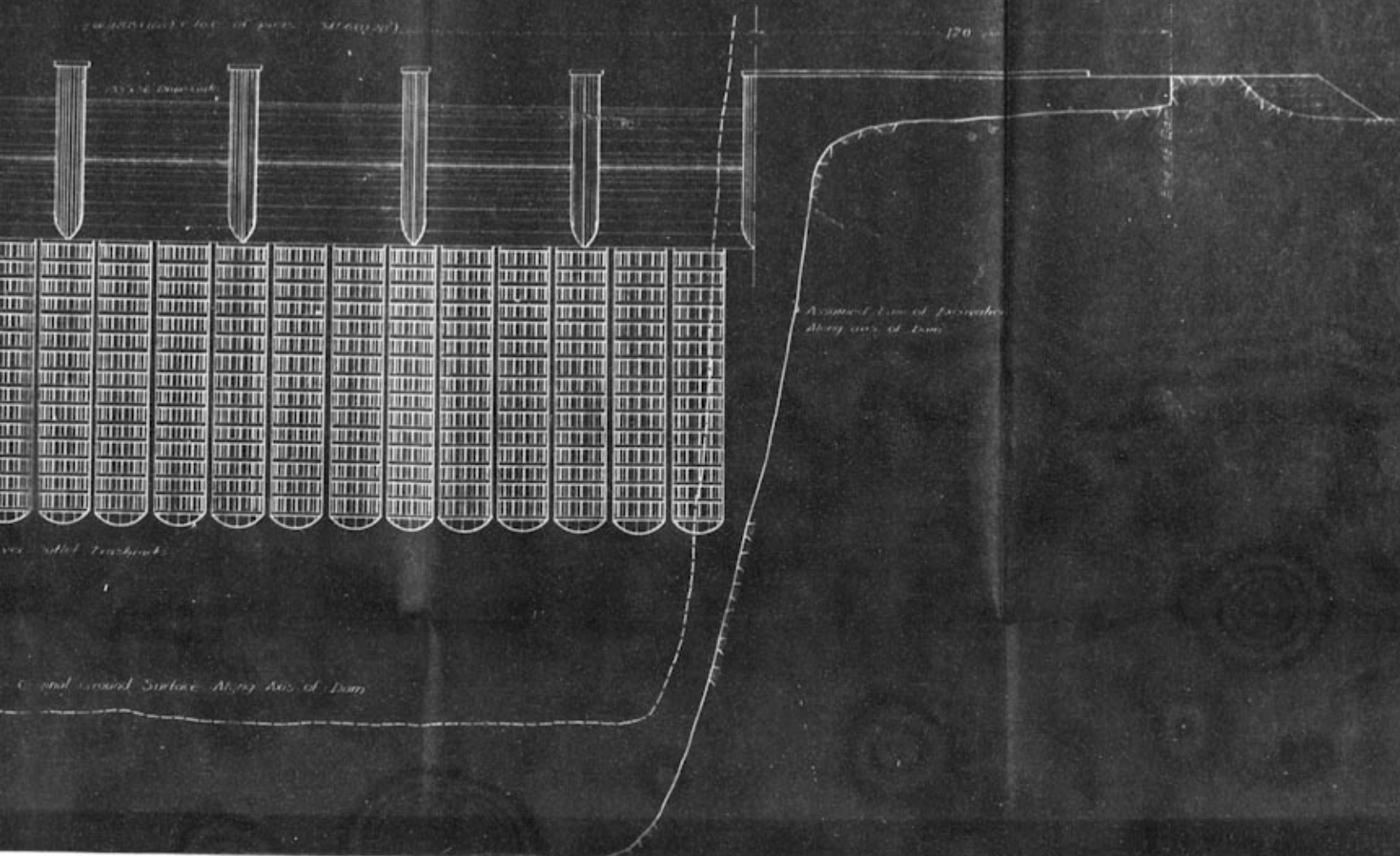
GENERAL LAYOUT

CONSULTING ENGINEER *J. H. Lange*
CHANGSHOW, Szechuan, OCT. 26, 1944
DRAWING NO. Y-11

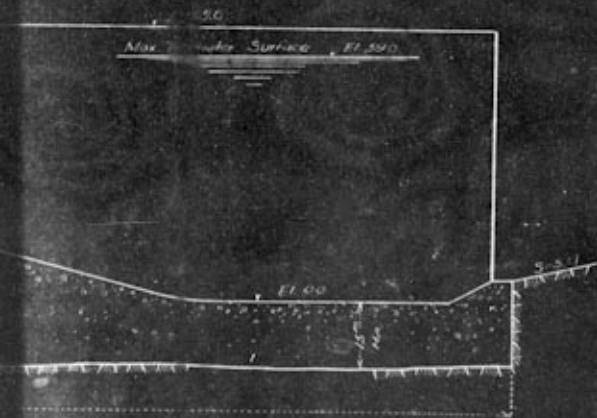
Recommended Plan







UPSTREAM ELEVATION



TYPICAL NON-OVERFLOW SECTION



SCALE OF METERS

1:1000

NOTES:

Dimensions and elevations are in meters except those especially noted.

MINISTRY OF ECONOMIC AFFAIRS
NATIONAL RESOURCES COMMISSION
YANGTZE GORGE PROJECT
PRELIMINARY INVESTIGATION
STUDY NO. 3

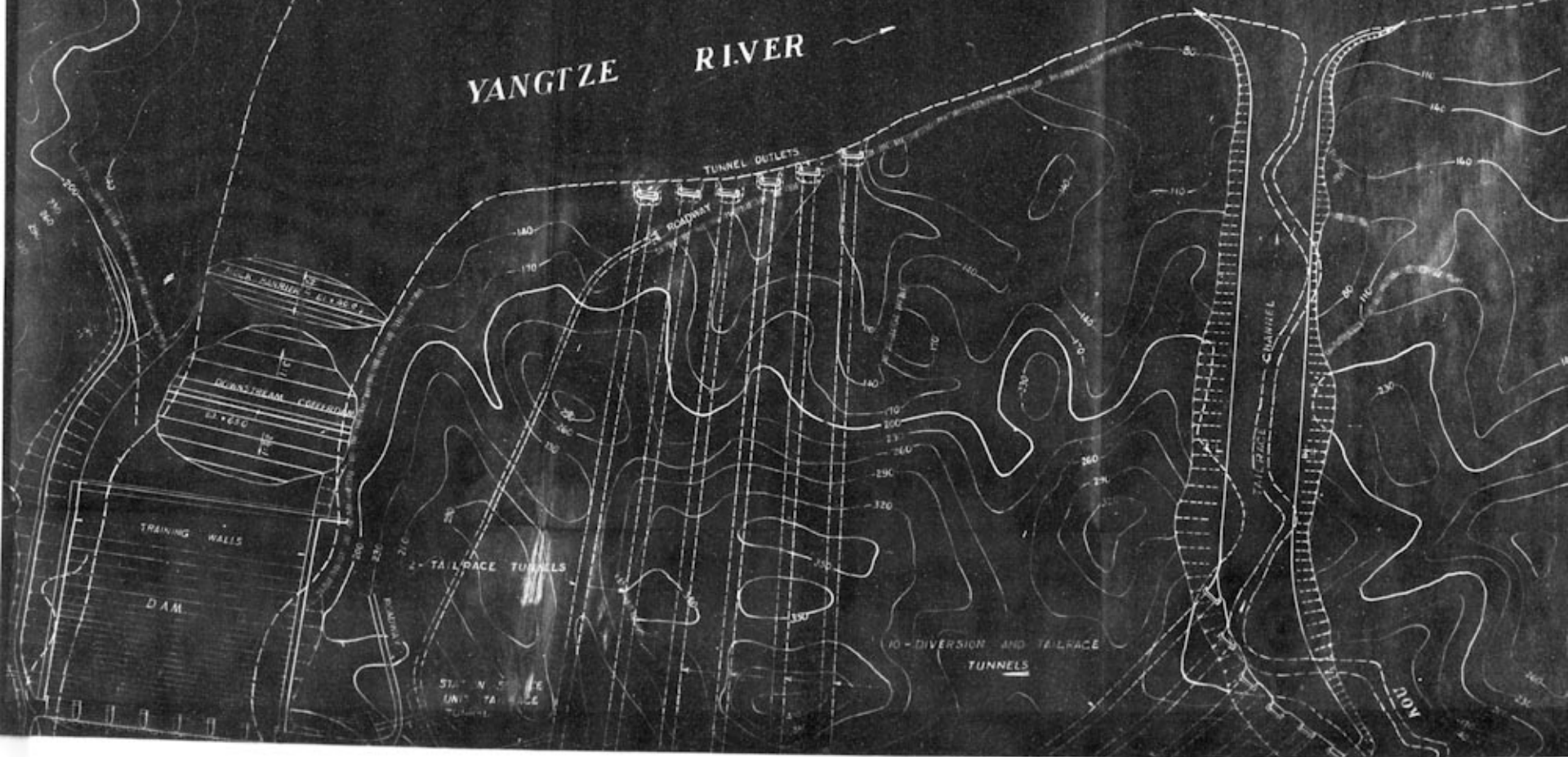
DAM-ELEVATION AND SECTIONS

CONSULTING ENGINEER *J.H. Savage*
CHANGSHOW, SZECHUAN OCT 3 1944
SHEET 1 OF 1 DRAWING NO. Y-3





YANGTZE RIVER





MINISTRY OF ECONOMIC AFFAIRS
NATIONAL RESOURCES COMMISSION
YANGTZE GORGE PROJECT
PRELIMINARY INVESTIGATIONS

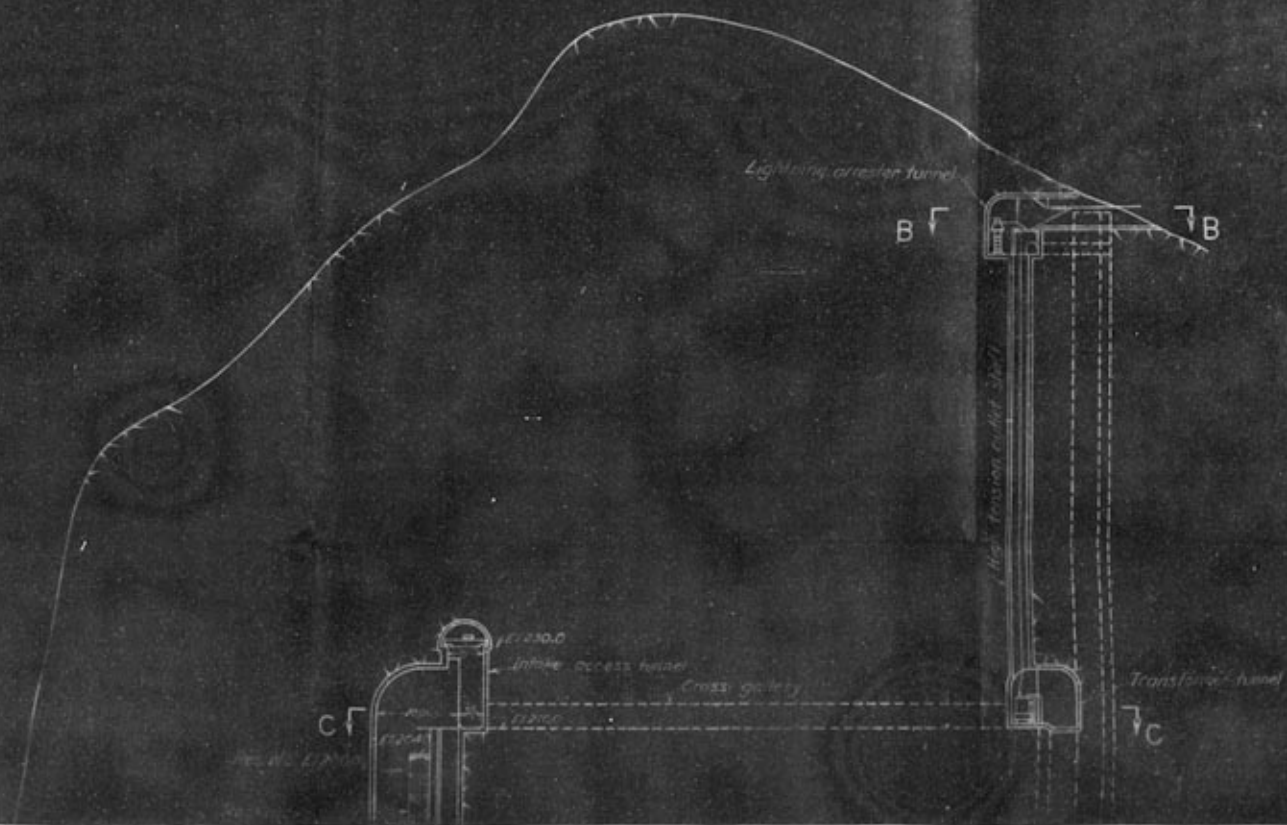
STUDY NO 3

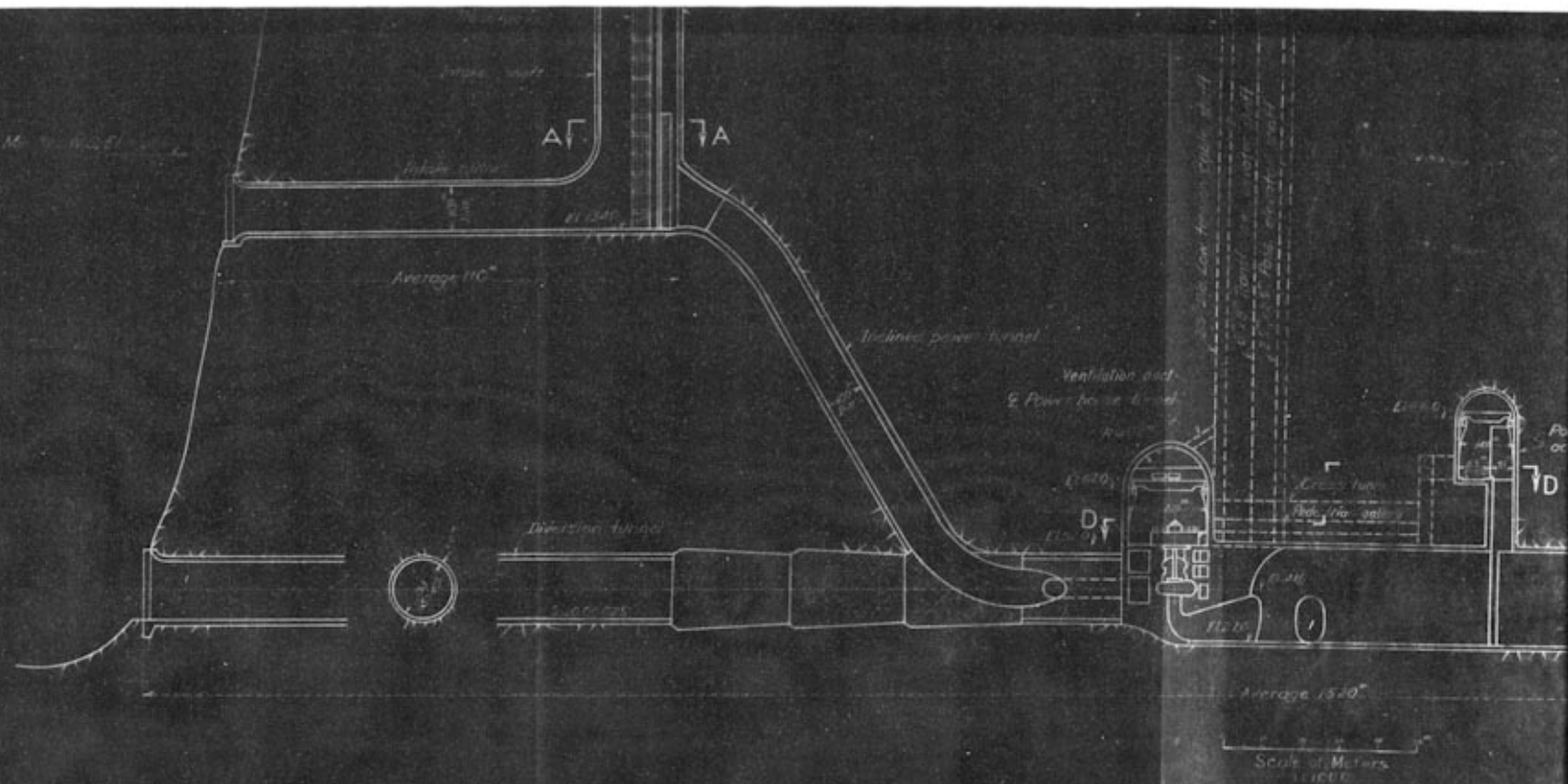
GENERAL LAYOUT

CONSULTING ENGINEER *J. H. Lange*
CHANGSHOW SZECHUAN OCT. 20, 1944
SHEET 1 OF 1 DRAWING NO. Y-8

NOTES:

DIMENSIONS AND ELEVATIONS ARE IN METERS
EXCEPT THOSE ESPECIALLY NOTED
TRANSFORMER TUNNEL NOT SHOWN







SECTION A-A

Scale of Meters
1:500



Pulsinger
electric shaft

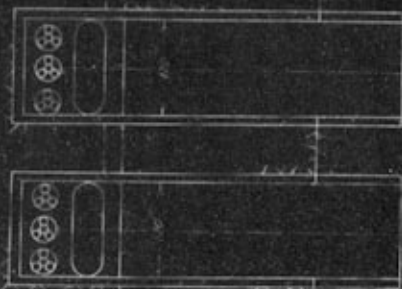
Transformer
electric shaft

Notes:

Elevations and dimensions are in meters
except those specially noted.

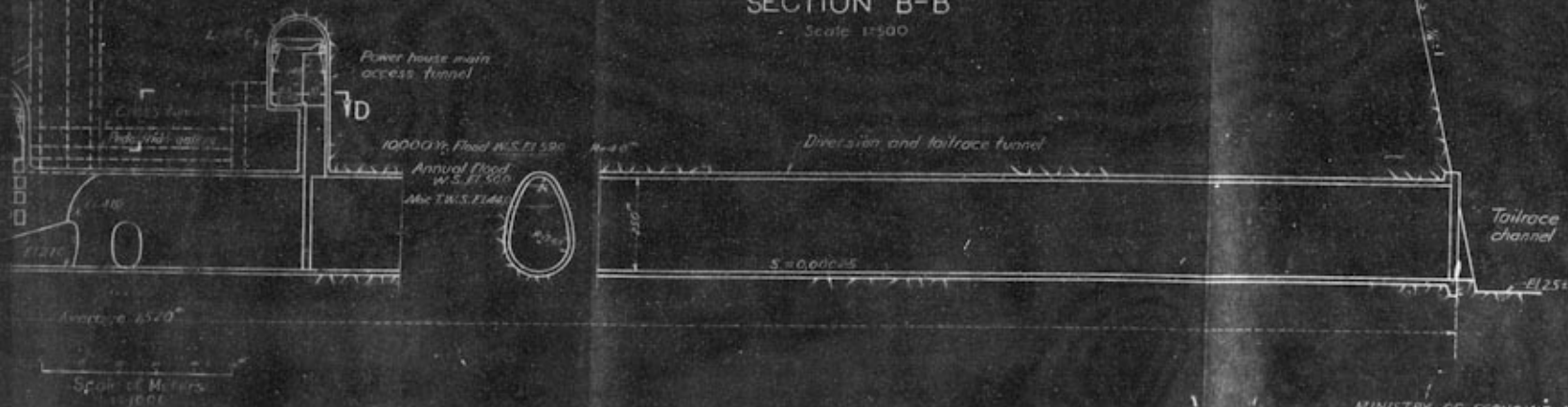
All drainage systems around tunnels and
galleries are not shown.

Sections C-C, D-D are the same as
shown in study No. 4.



SECTION B-B

Scale 1:500



MINISTRY OF ECONOMIC AFFAIRS
NATIONAL RESOURCES COMMISSION
YANGTZE GORGE PROJECT
PRELIMINARY INVESTIGATIONS

STUDY NO. 3

TYPICAL SECTION

CONSULTING ENGINEER *J. H. Savage*
CHANGSHU, Szechuan OCT. 12, 1944
SHEET 10F.1 DRAWING NO. Y-10

POST-WAR RECONSTRUCTION PLAN FOR ELECTRICAL ENTERPRIZES IN CHINA

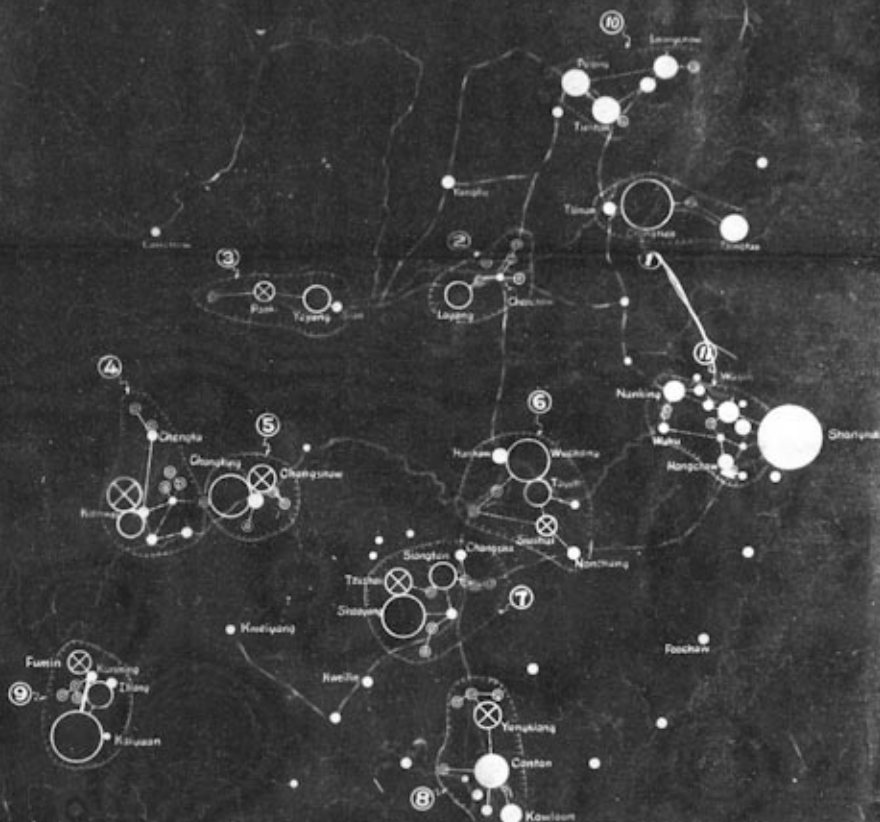
NUCLEUS PLAN

No	DISTRICT	Original Capacity kW	Planned Capacity kW		Total kW
		Steam	Hydro	Total	
1	Shantung	88,000	150,000	150,000	198,000
2	Honan	500	40,000	40,000	40,500
3	Shensi	2,200	40,000	20,000	60,000
4	West-Szechuan	14,000	40,000	80,000	120,000
5	East-Szechuan	14,000	100,000	50,000	150,000
6	Hupei-Kiangsi	15,000	140,000	20,000	160,000
7	Hunan	3,000	140,000	40,000	180,000
8	Kwangtung	76,000	40,000	40,000	116,000
9	Yunnan	7,000	190,000	30,000	220,000
10	Hopei	120,000			120,000
11	Kiangsu-Chekiang	336,000			336,000
Grand Total		646,000	840,000	280,000	1,766,000

LEGEND

- Existing Plant
- Planned Steam Plant
- ⊗ Planned Hydro Plant
- 220kv Transmission Line
- 132kv Transmission Line
- 66kv Transmission Line
- 33kv Transmission Line

- (1) Each sq. m. of circle area represents 1000 kW
- (2) Existing Plant of The Four Eastern Provinces are not shown
- (3) Existing Plants of capacities less than 500kW are not shown

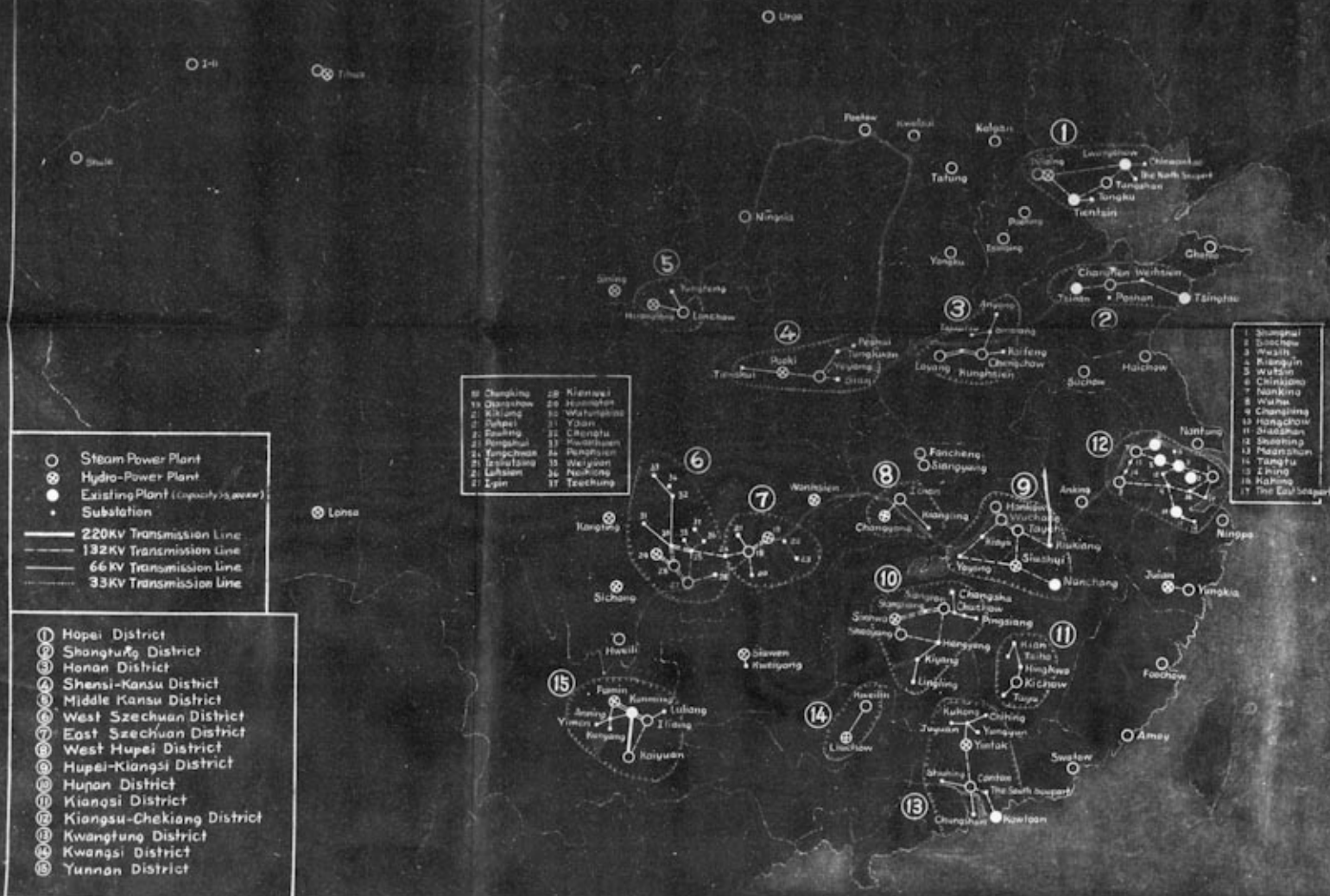


Designed by: [Signature]
 Checked by: [Signature]
 Approved by: [Signature]
 Date: January 1944

Electricity Department, National Resources Commission

RE150C44

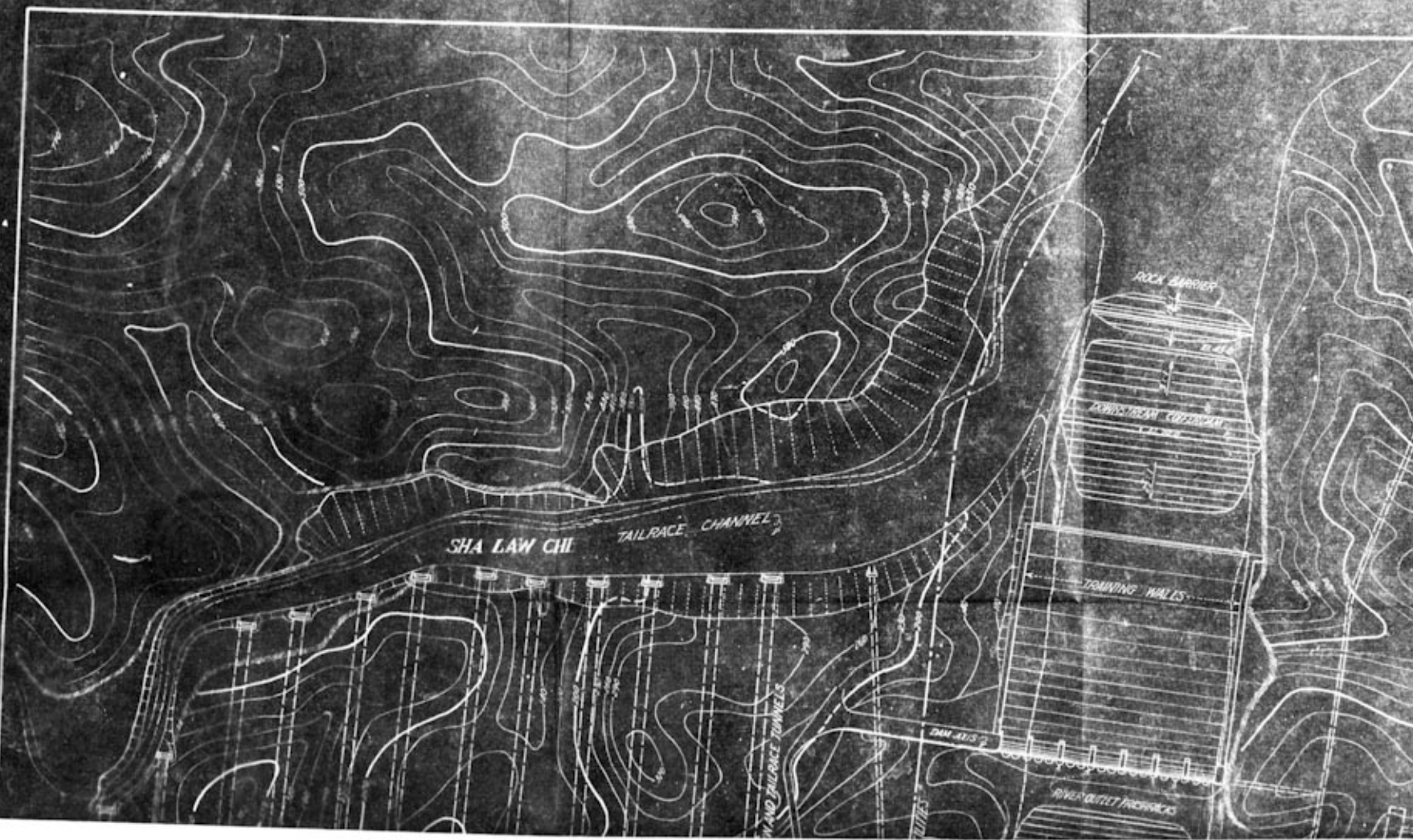
FIVE YEAR RECONSTRUCTION PLAN FOR ELECTRIC POWER INDUSTRY IN CHINA

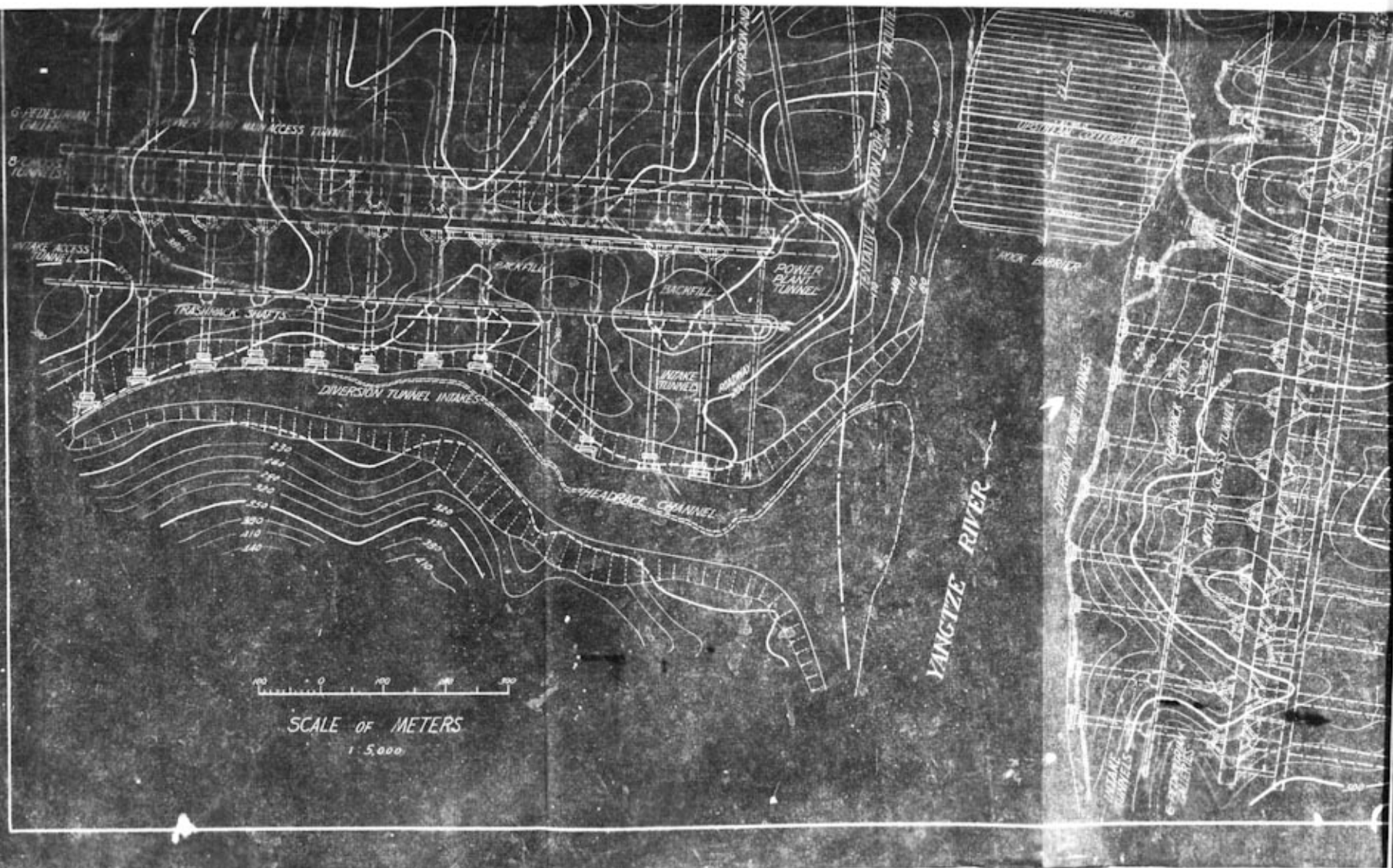


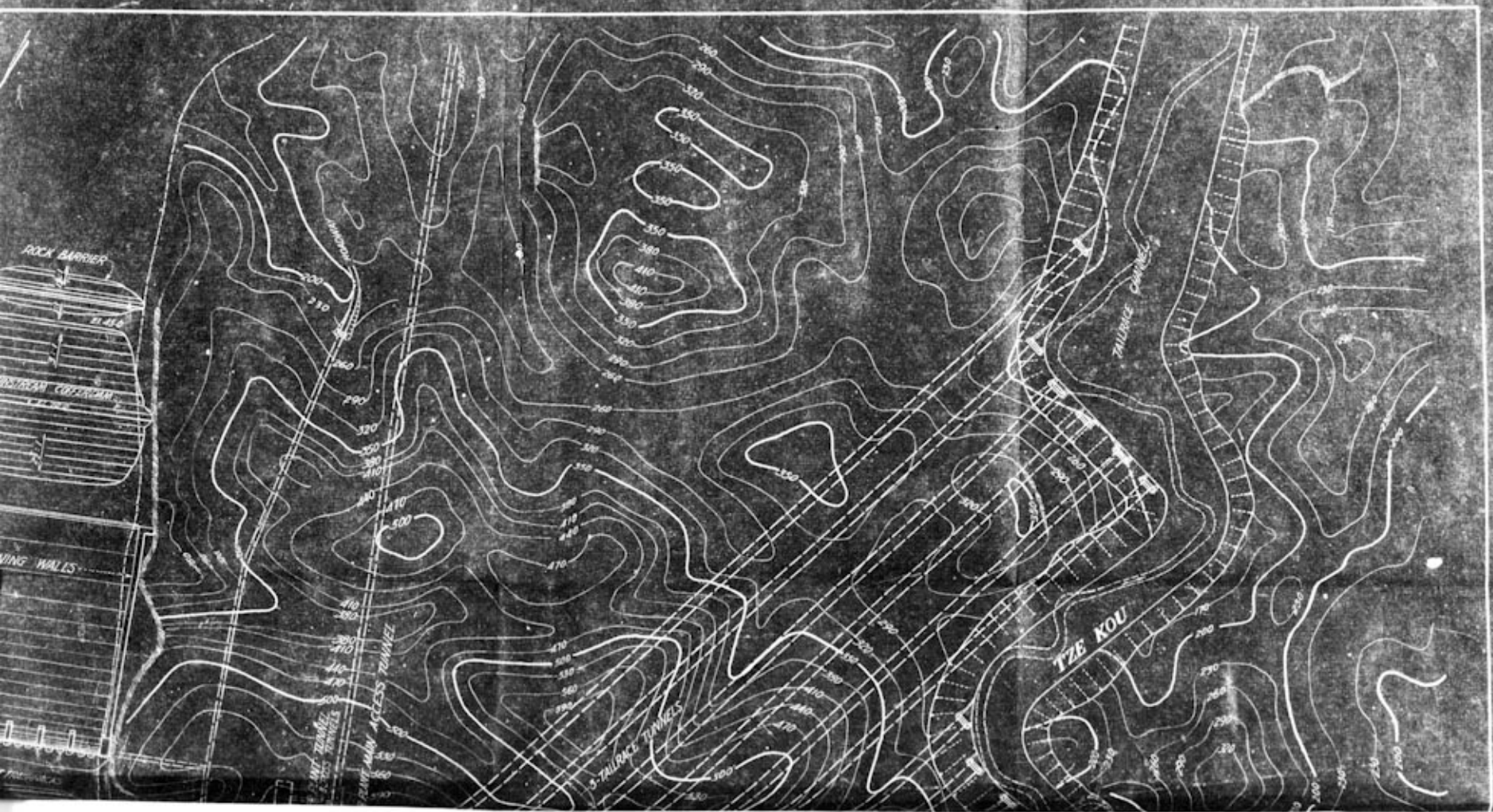
Designed by
 Checked by
 Drawn by
 Approved by
 Date

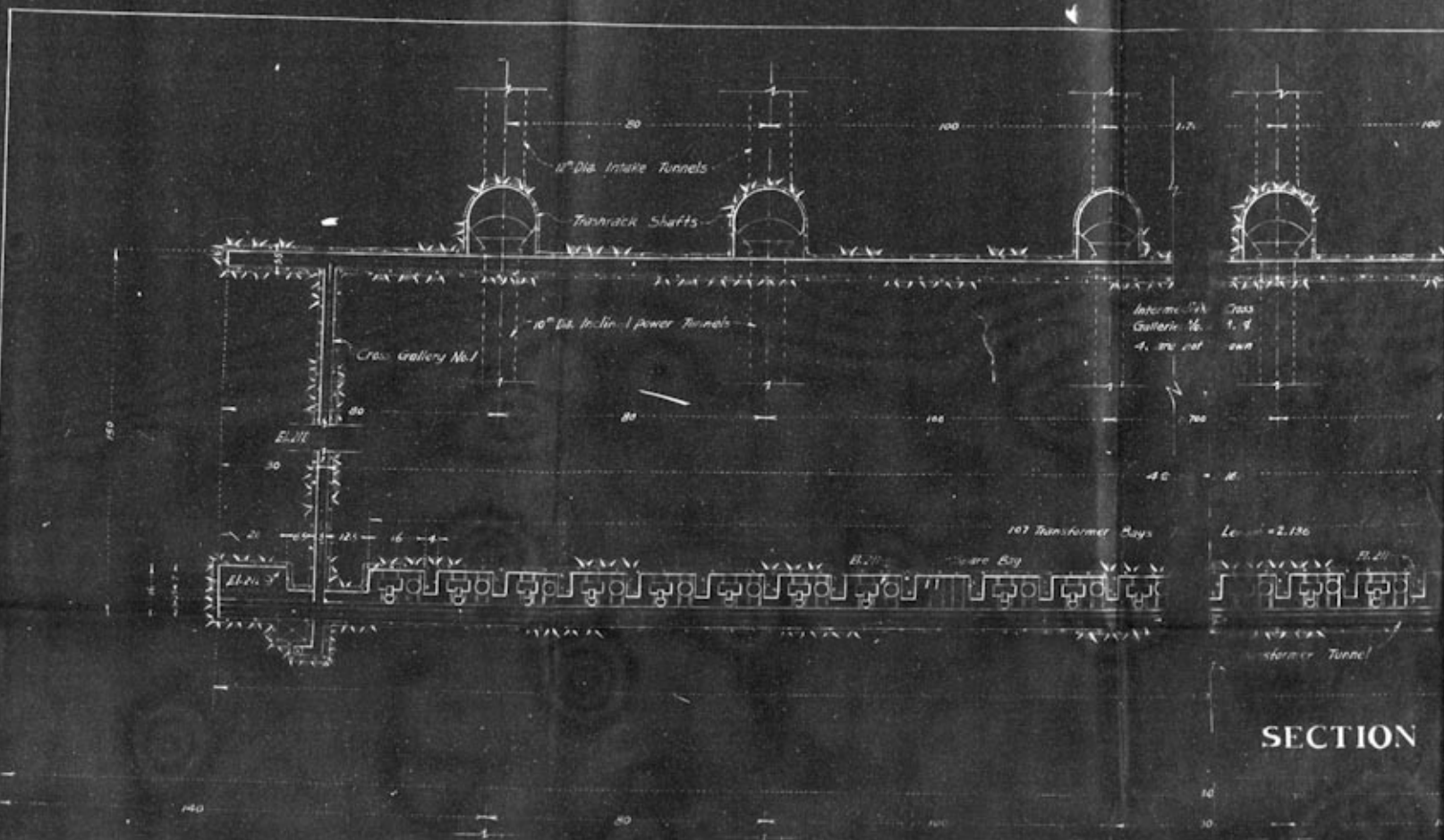
Electricity Department, National Resources Commission

RE180C43-1









SECTION

10" Dia. Insulated Power Tunnels

7E20-140

40

Main Unit
Penstock

Power Plant Tunnel

Power Plant Tunnel

Control Bay

Main Unit No. 1

No. 2

No. 3

No. 4

No. 5

No. 6

No. 7

No. 8

No. 9

No. 10

No. 11

No. 12

No. 13

No. 14

No. 15

No. 16

No. 17

No. 18

Transformer Elevator

Passenger Elevator

Cross Tunnel No. 1

Door Tubes

Pedestrian
Galleries No. 1

Generator
Leads Shaft

Cross Tunnel No. 2

90

90

90

1,800

Stationary
Feeder

Station

11.60

Machine Shop

Gate Structure

Truss Tunnel Gate Structure

Power Plant Main Access Tunnel

Main Units Tailrace Tunnel

80

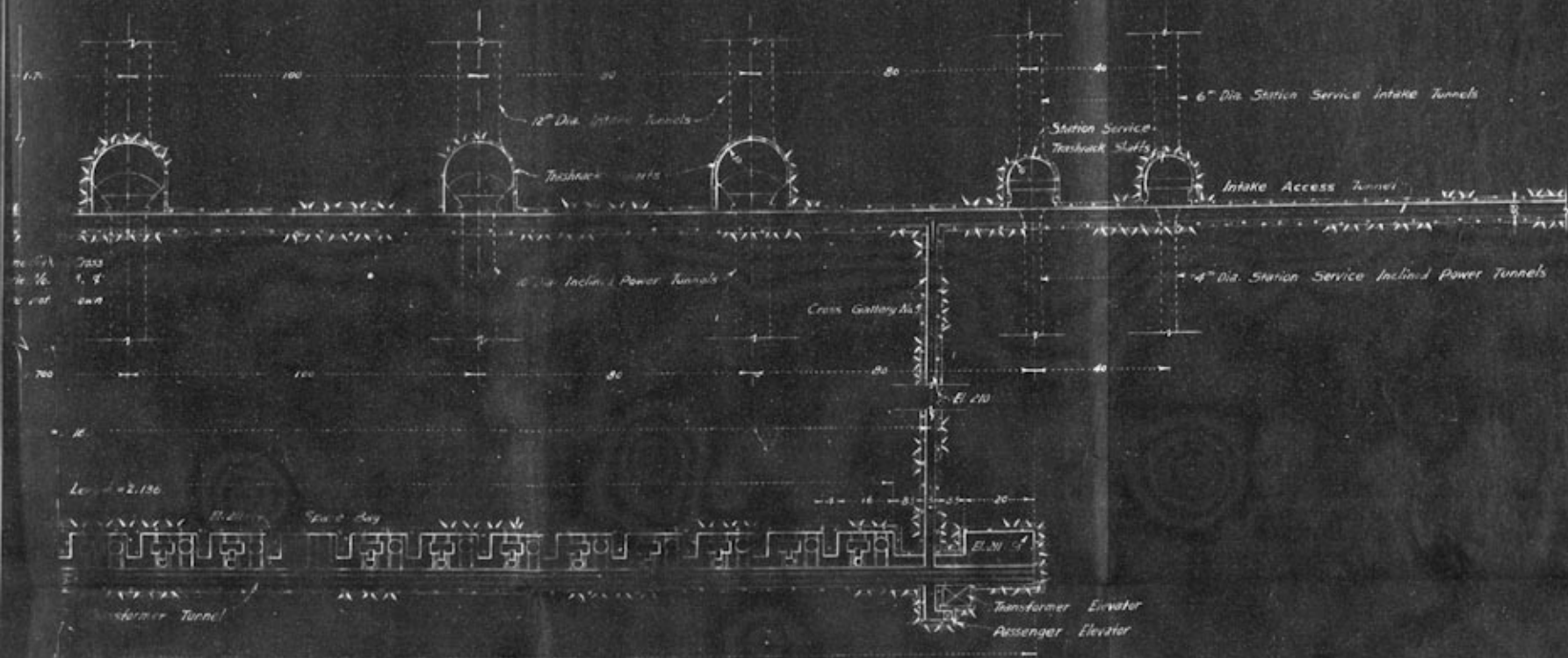
100

700

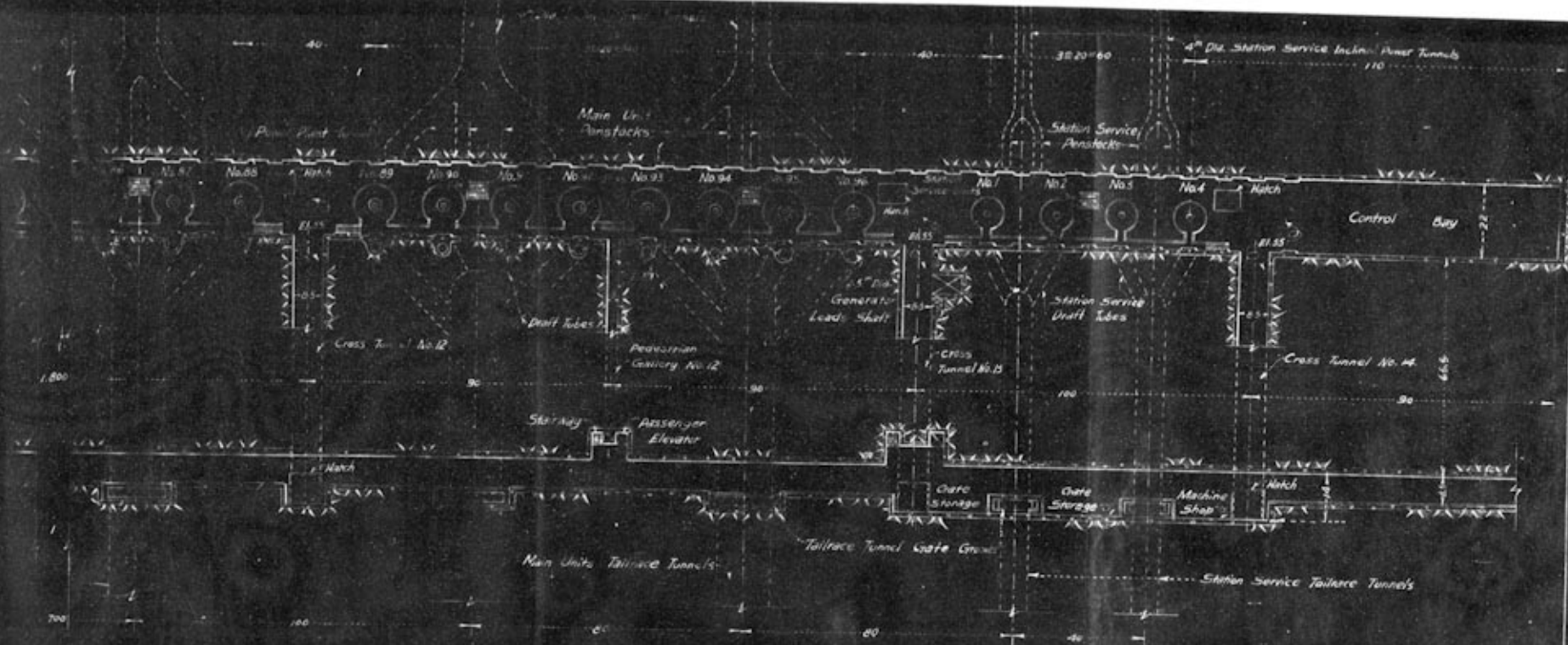
100

SECTION D-

Scale of Meters
1 : 1000



SECTION C-C



SECTION D-D

Notes

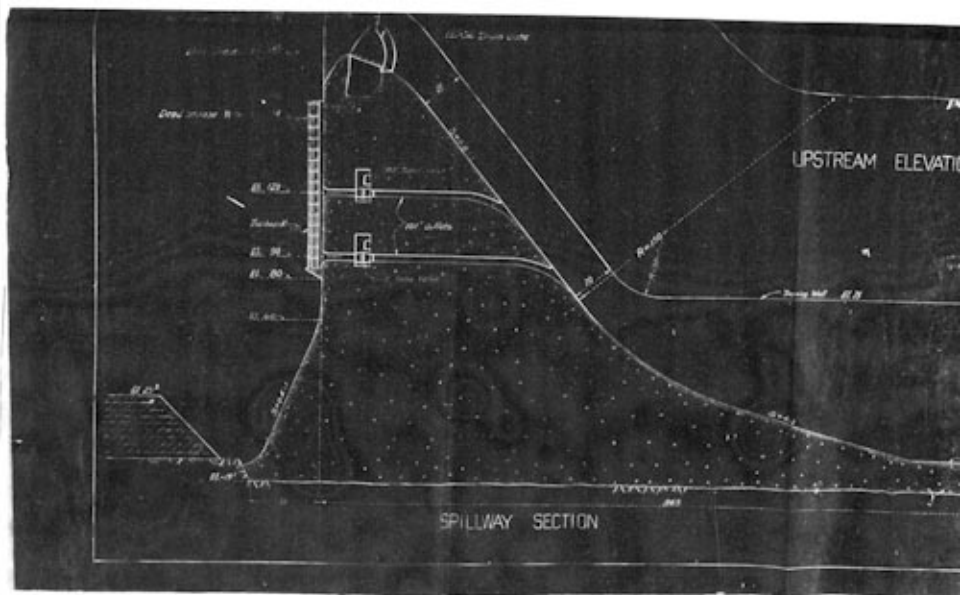
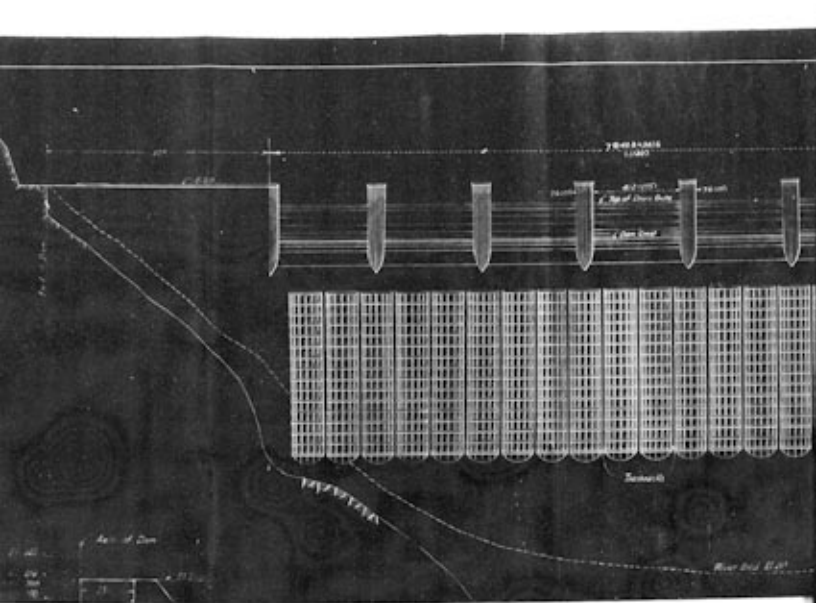
Elevations & Dimensions are in Meters
except where noted.

Drainage System around Tunnels & Galleries
are not shown.

MINISTRY OF ECONOMIC AFFAIRS
NATIONAL RESOURCES COMMISSION
YANGTZE RIVER PROJECT
PRELIMINARY INVESTIGATIONS
STUDY NO. 1

SECTIONAL PLAN

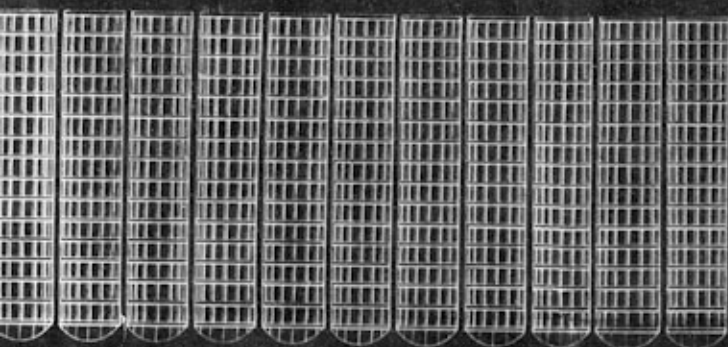
CONSULTING ENGINEER *J.H. Savage*
CHANGSHU, Szechuan, OCT. 17, 1944.
SHEET 10-1 DRAWING NO. Y-4



$7 \times 40.6 = 341.6$
(1120)

4-2 (185)
Top of Drury Gate

Dam Crest



Trashracks

River Bed El. 254

Original Ground Surface
along Axis of Dam

Assumed Line of Excavation along Axis of Dam

10 5 0 8 100

Scale of Meters
1:1000

EL. 151
[Symbol]

REAM ELEVATION

EL. 73

Max. T.W. EL. 672

EL. 0.0

1 S=5:1

Axis of Dam

P.E. 1207

Max. Flood EL. 668

EL. 210

EL. 208

0.0:1

NONOVERFLOW SECTION

Notes:

Elevations and Dimensions are in meters except noted

MINISTRY OF ECONOMIC AFFAIRS
NATIONAL RESOURCES COMMISSION
YANGTZE GORGE PROJECT
PRELIMINARY INVESTIGATIONS

STUDY NO. 1

DAM-ELEVATION AND SECTIONS

CONSULTING ENGINEER *P. S. Wang*

CHANGSHU, Szechuan, OCT. 11, 1948

SHEET 10/1 DRAWING NO. Y-2

Dist. Crest El. 183

El. 162

Dead Storage W. El. 154

El. 120

Trashrack

El. 90

El. 60

El. 50

12.56 Drum Gate

102" Tube Valve

102" Outlets

102" Tube Valve

UPSTREAM ELEVATION

El. 154

Training Wall El. 75

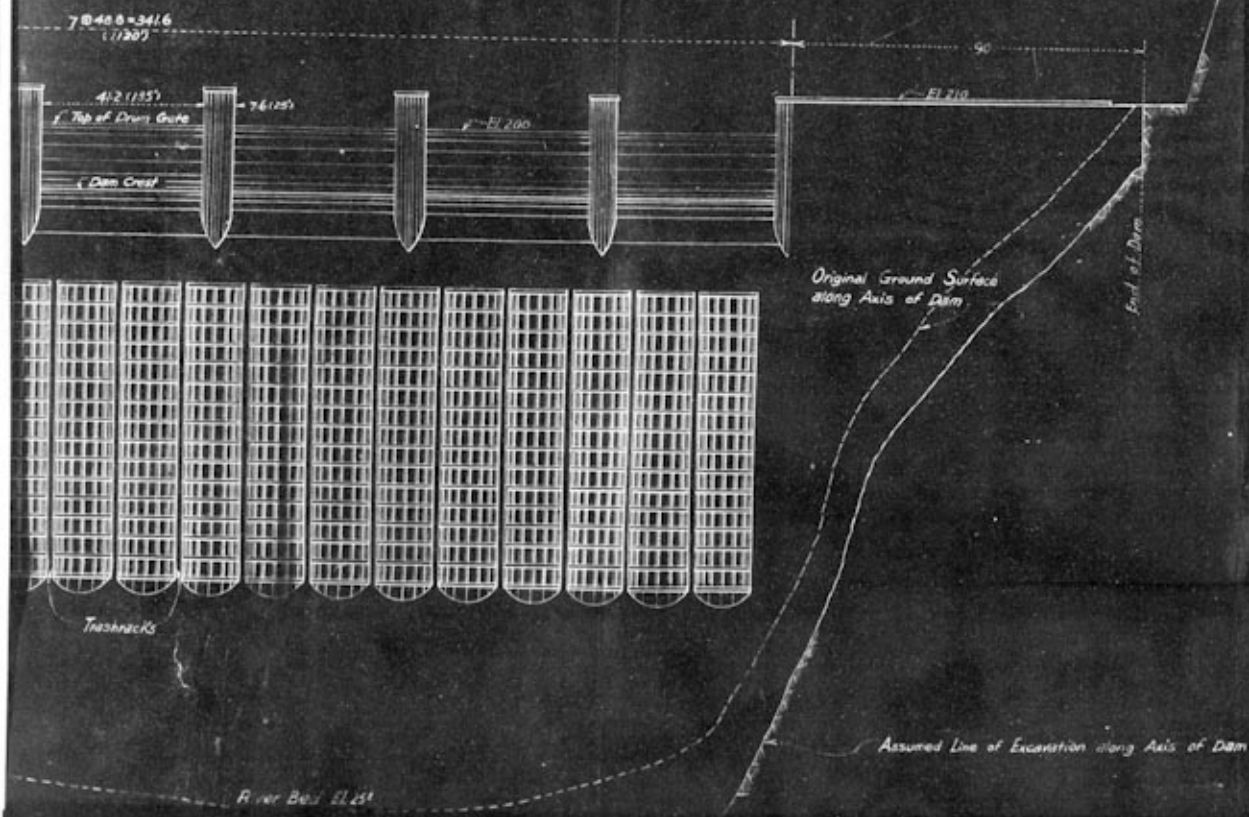
El. 25

El. 15

El. 0.0

SPILLWAY SECTION

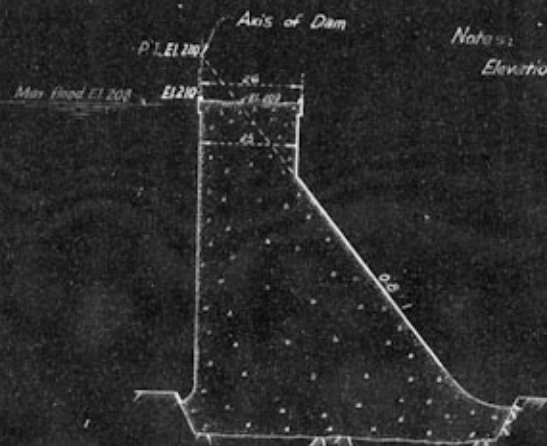
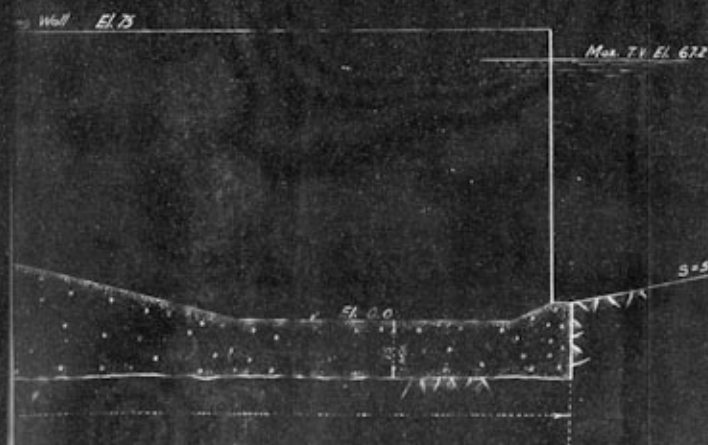
365



10 50 100

Scale of Meters
1:1000

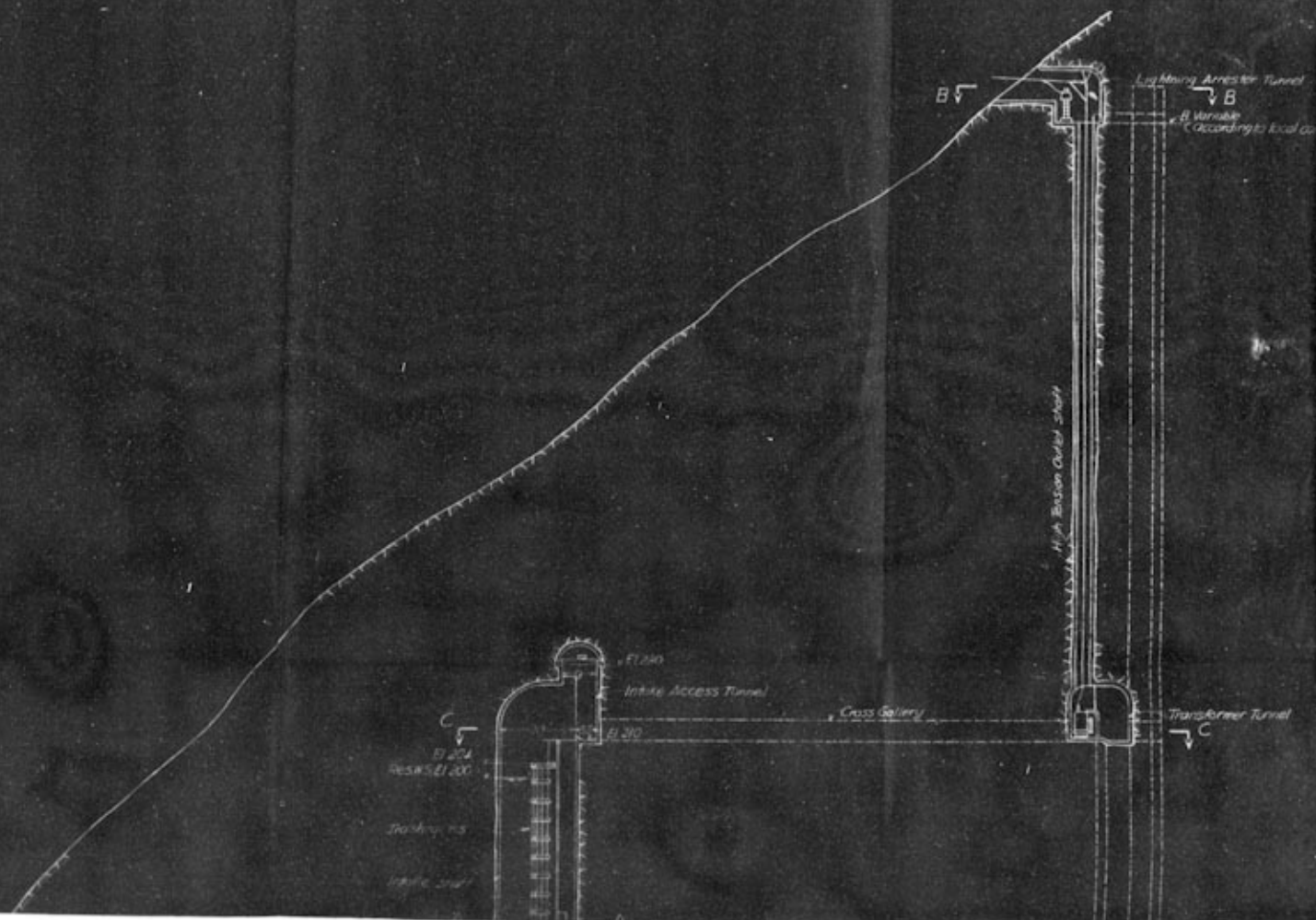
UPSTREAM ELEVATION

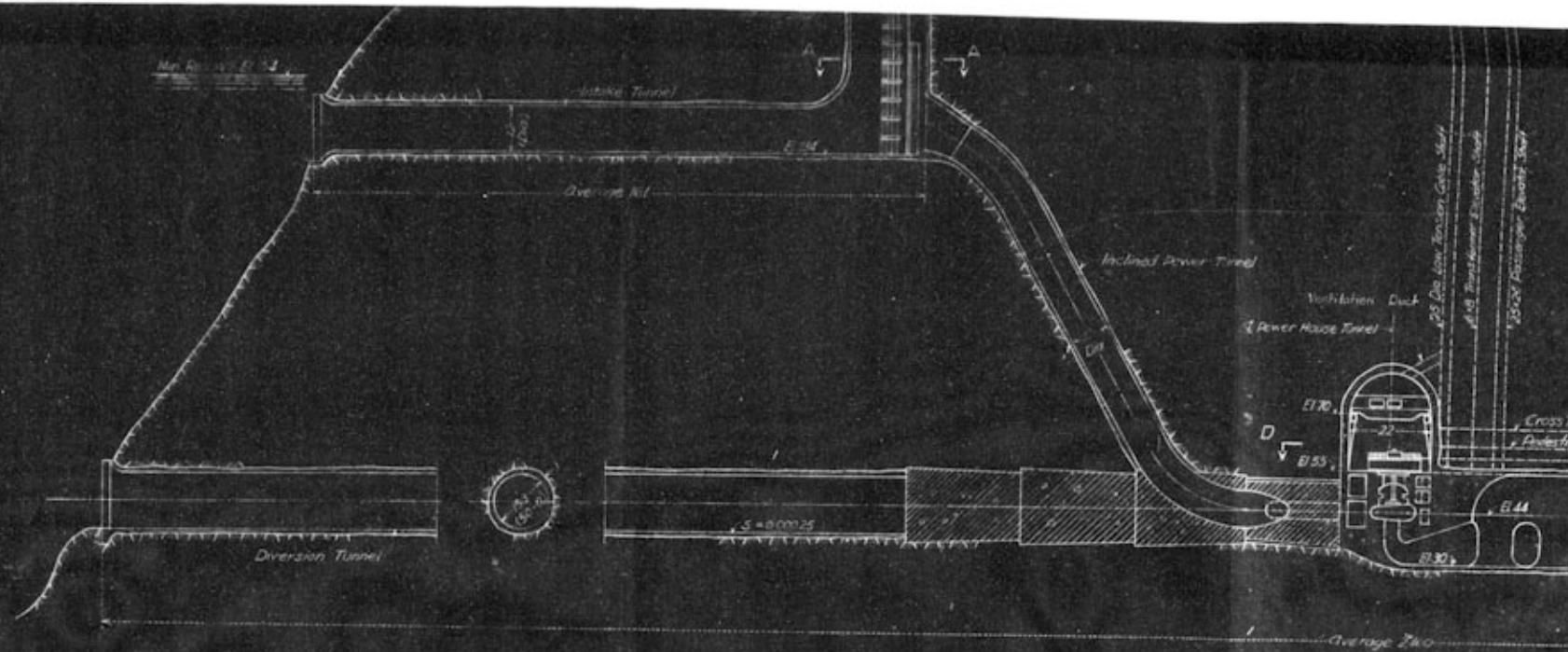


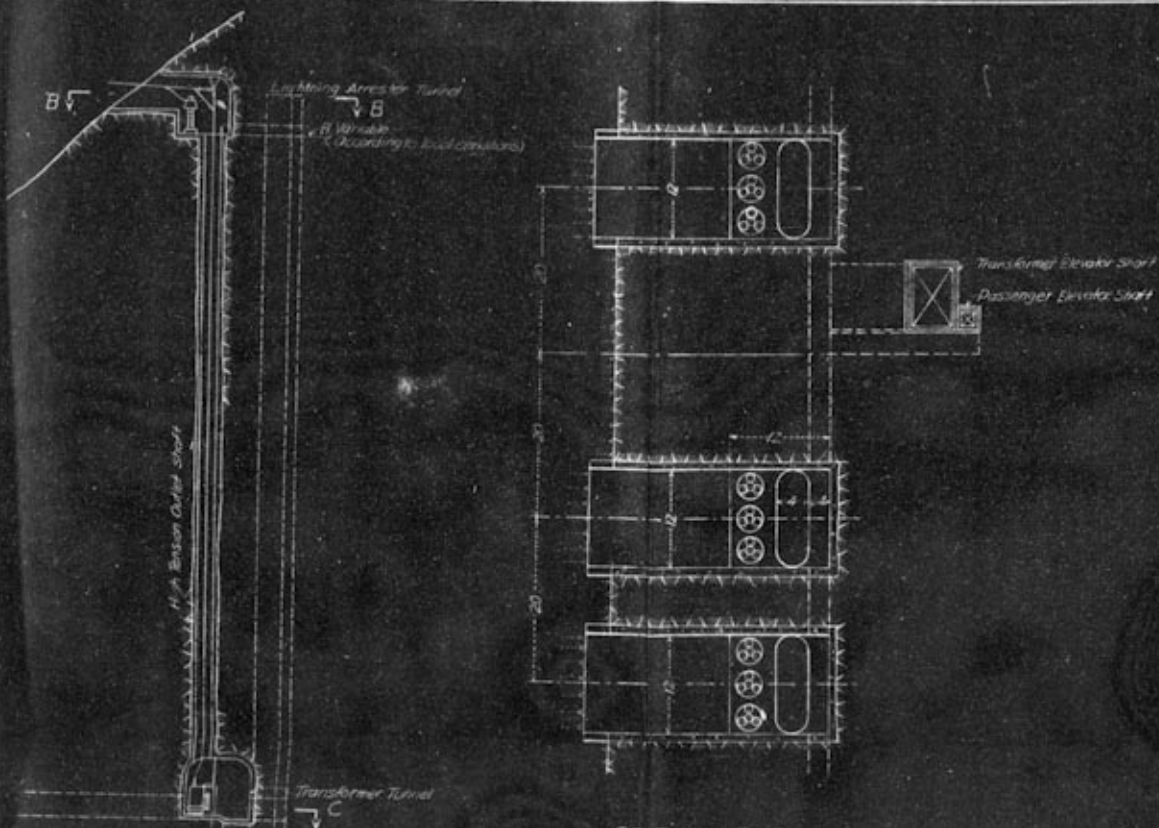
NONOVERFLOW SECTION

Notes:
Elevations and Dimensions are in meters except noted

MINISTRY OF ECONOMIC AFFAIRS
NATIONAL RESOURCES COMMISSION
YANGTZE GORGE PROJECT
PRELIMINARY INVESTIGATIONS
STUDY NO. 1
DAM-ELEVATION AND SECTIONS
CONSULTING ENGINEER *J. L. Chang*
CHANGSHU SICHUAN OCT. 11, 1944
SHEET 10/1 DRAWING NO. Y-2







SECTION B-B

5 0 5 10 15 20 25

SCALE OF METERS

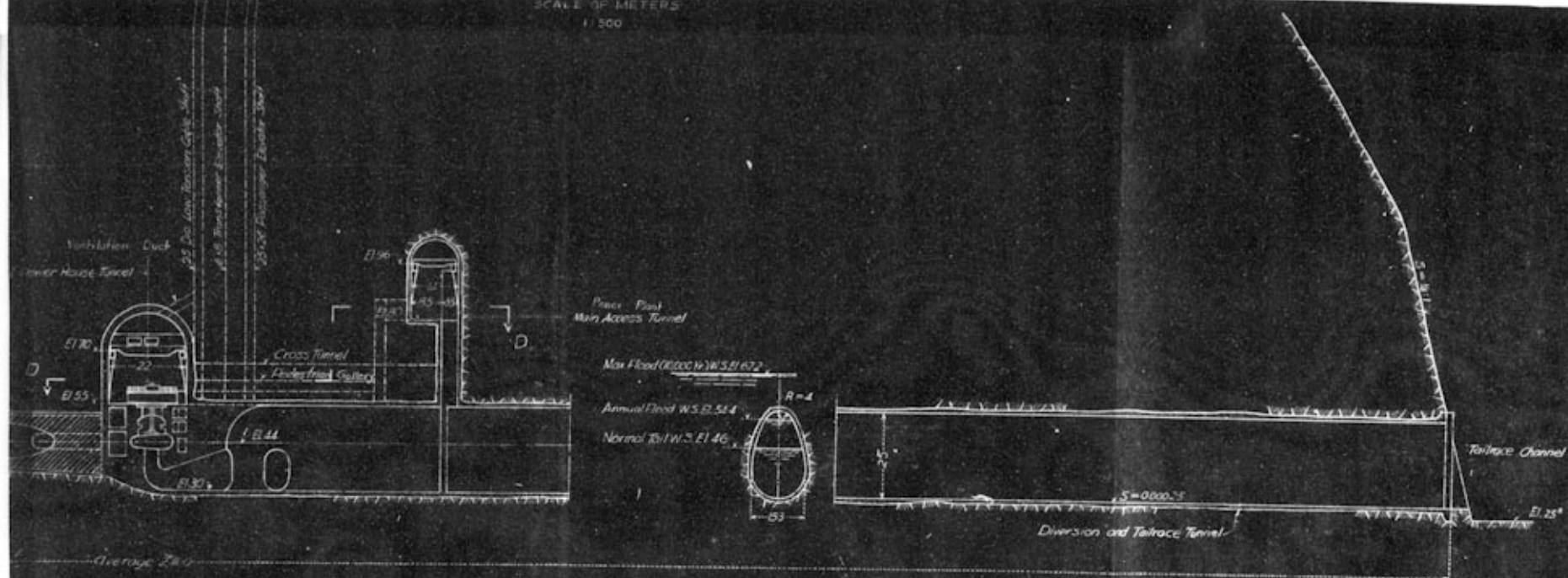


SECTION A-A

NOTES:

Dimensions and elevations are in meters except those specifically noted.
All drainage systems around tunnels and galleries are not shown.

SCALE OF METERS
1:500



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STUDY NO. 1

TYPICAL SECTION

CONSULTING ENGINEER *J. H. Lange*
CHANGSHOW SZECHUAN OCT 21, 1944
SHEET 1 OF 1 DRAWING NO. Y-3