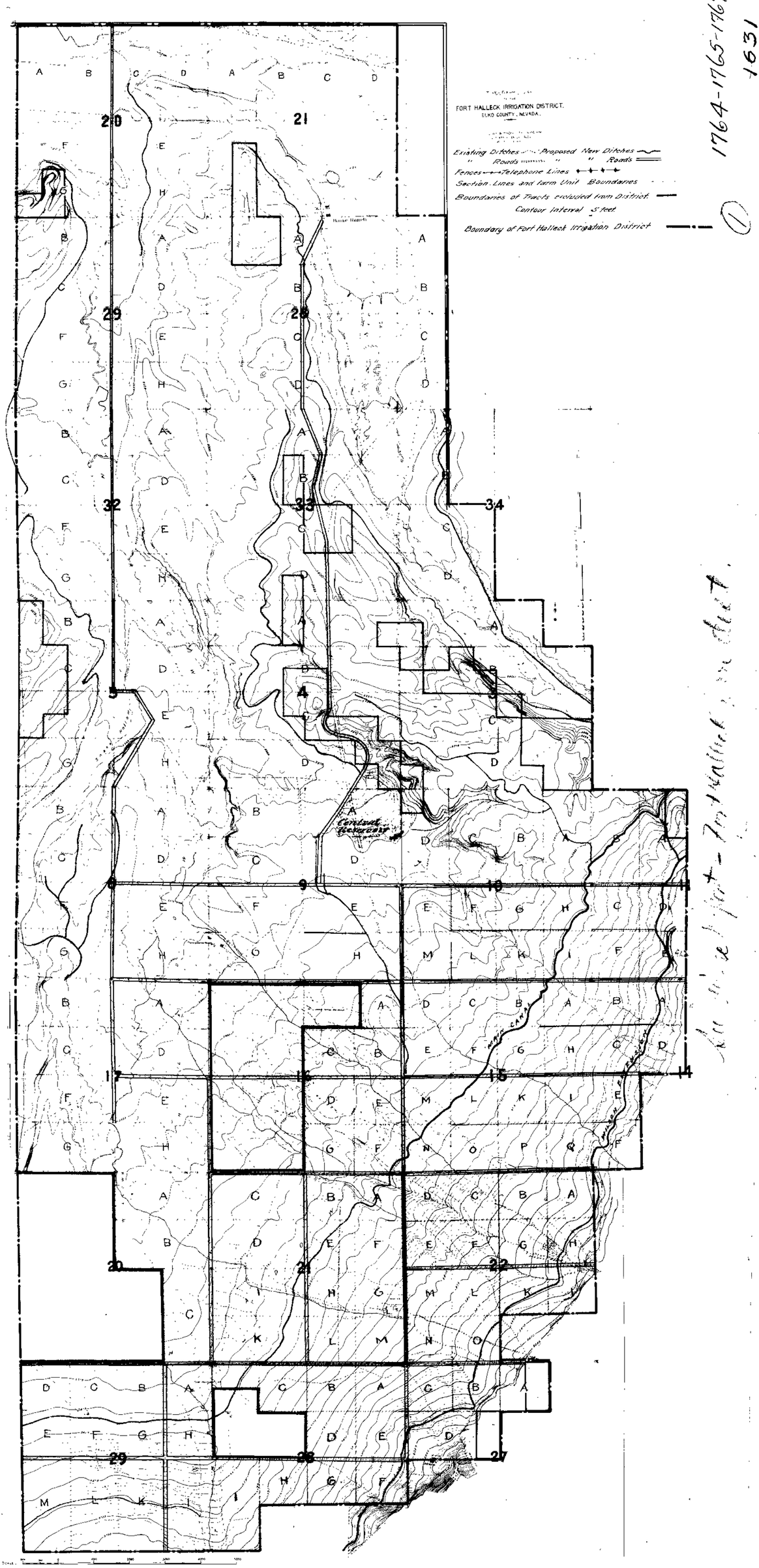
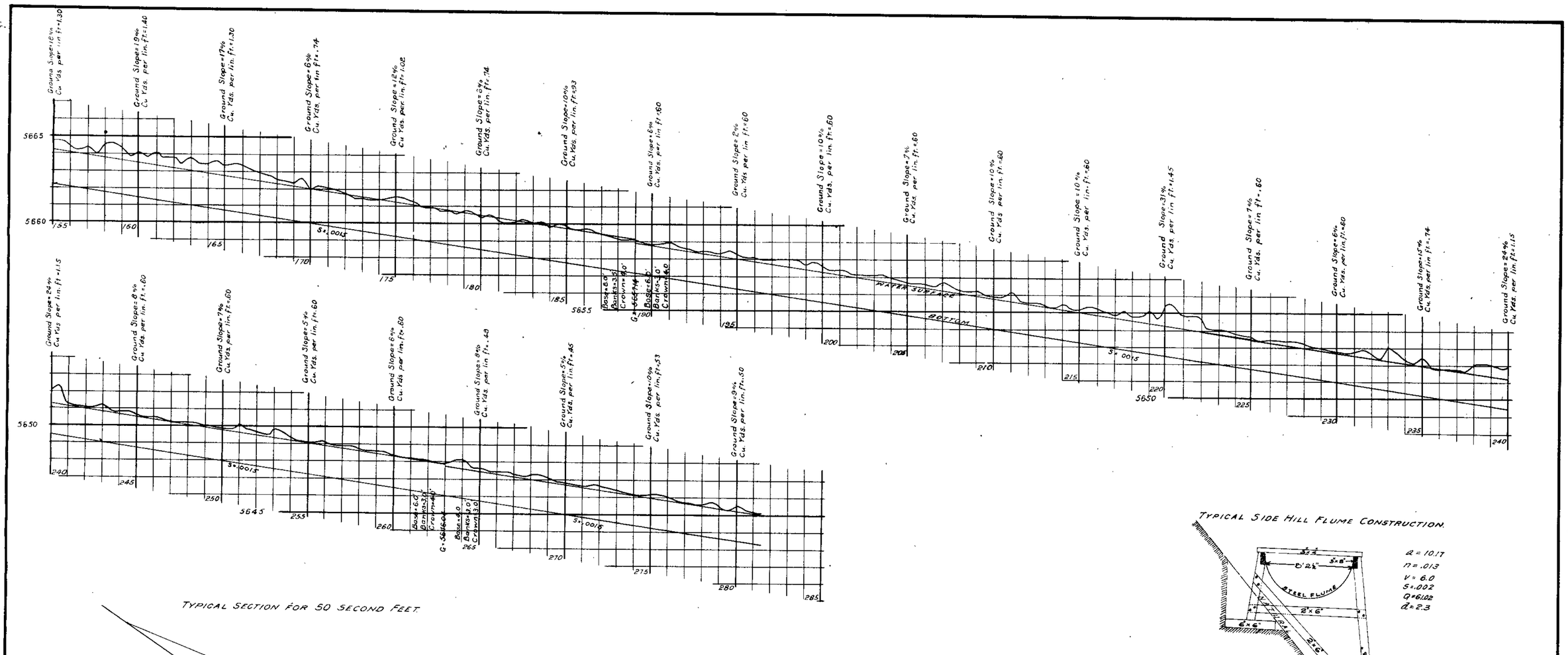
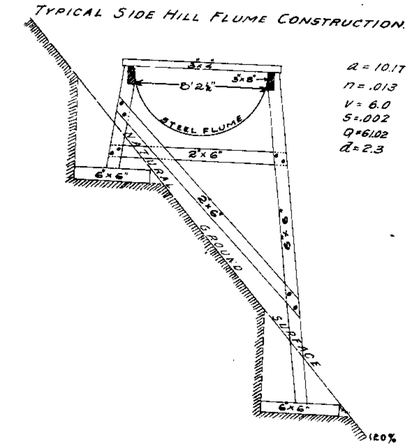
1764-1765-1767
1631

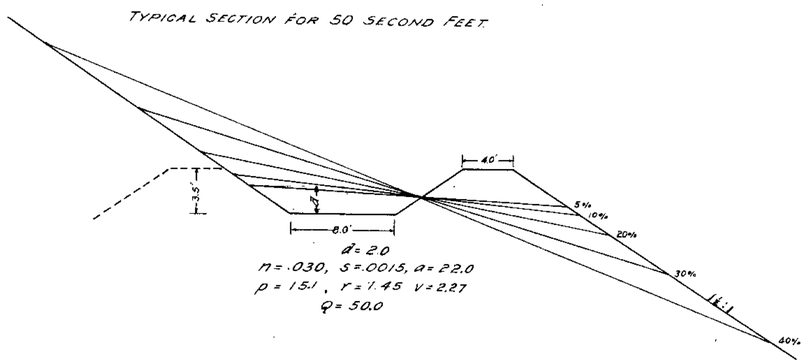




TYPICAL SIDE HILL FLUME CONSTRUCTION.

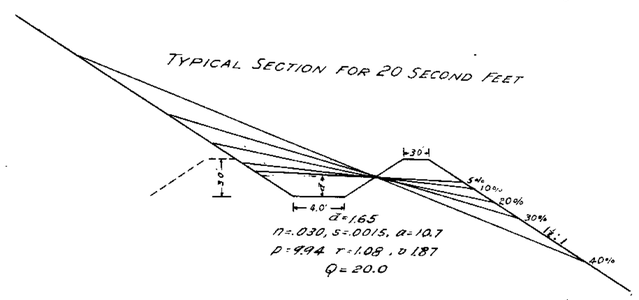


TYPICAL SECTION FOR 50 SECOND FEET.



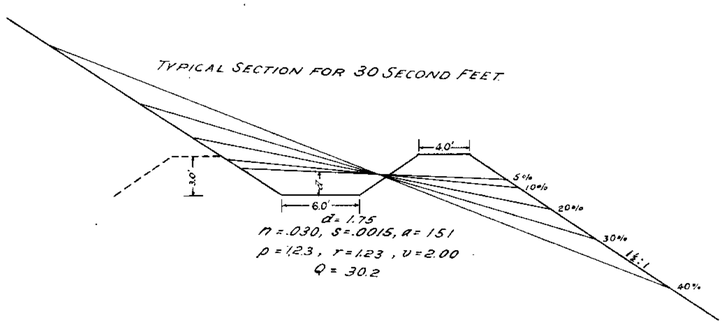
d = 2.0
n = .030, S = .0015, a = 22.0
p = 15.1, r = 1.45 V = 2.27
Q = 50.0

TYPICAL SECTION FOR 20 SECOND FEET



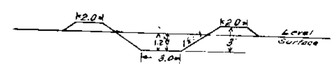
d = 1.65
n = .030, S = .0015, a = 10.7
p = 9.94 r = 1.08, v 1.87
Q = 20.0

TYPICAL SECTION FOR 30 SECOND FEET.



d = 1.75
n = .030, S = .0015, a = 15.1
p = 12.3, r = 1.23, v = 2.00
Q = 30.2

TYPICAL SECTION FOR 10 SECOND FEET



d = 1.3
n = .030, S = .002, a = 6.5
p = 7.8, r = .83, v = 1.7
Q = 11.0

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·SHEET·2·

MAIN CANAL

SHOWING

PROFILE ALONG CENTER LINE

FORT HALLECK IRRIGATION DISTRICT

ELKO COUNTY NEV.

PREPARED FOR

THE NEVADA AND EASTERN LAND CO.
ELKO COUNTY,
NEV.

BY THE

FIELD, FELLOWS & HINDERLIDER
ENGINEERING COMPANY
435 CENTURY BLDG., DENVER, COLO.

FHS

1764 1765 1767 - 1764-5-7

SECRET RESERVOIR DAM

• SHOWING •

PLAN AND CROSS SECTIONS

FORT HALLECK IRRIGATION DISTRICT

ELKO COUNTY, NEV.

PREPARED FOR
THE NEVADA AND EASTERN LAND CO
ELKO COUNTY,
NEV.

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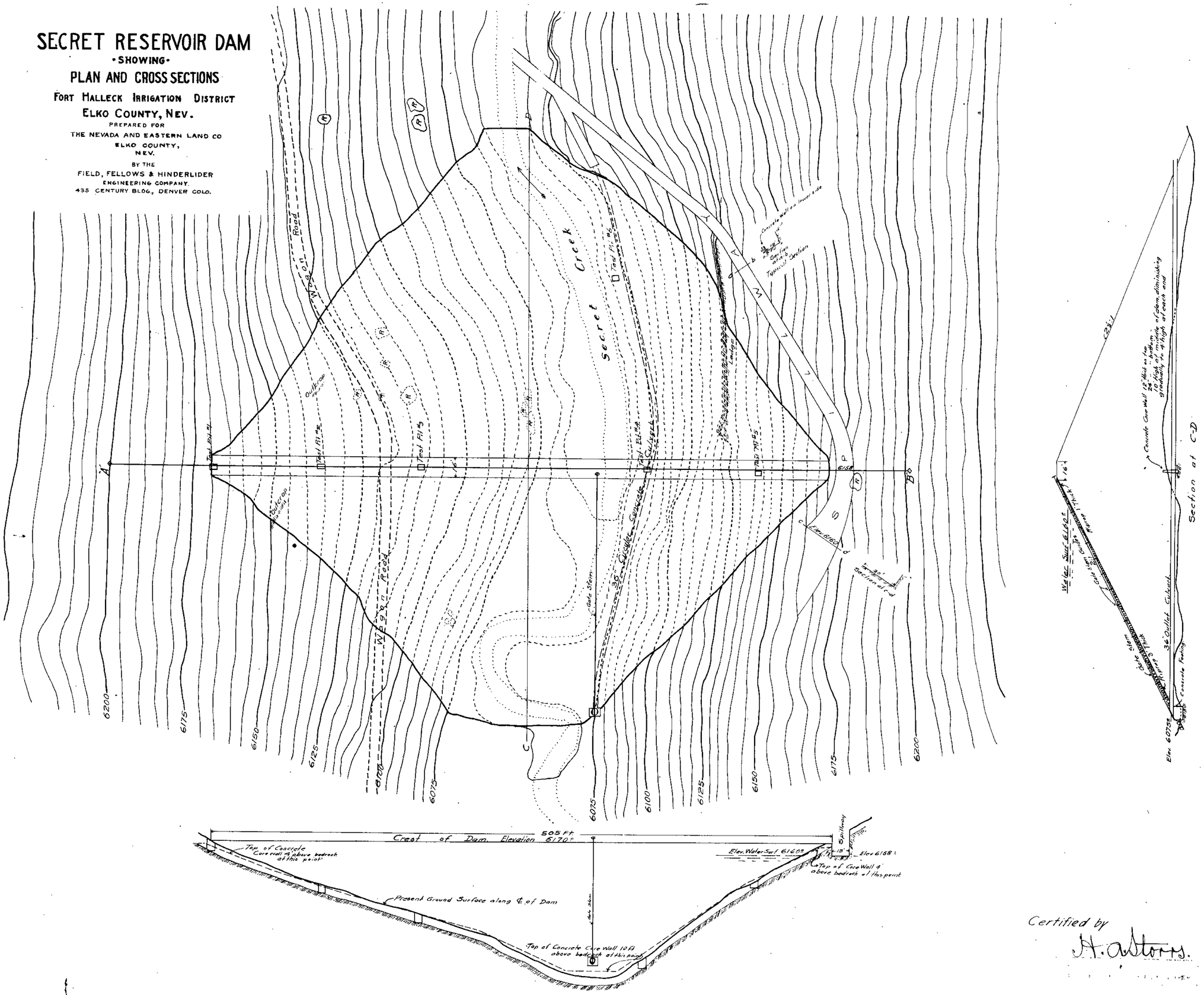

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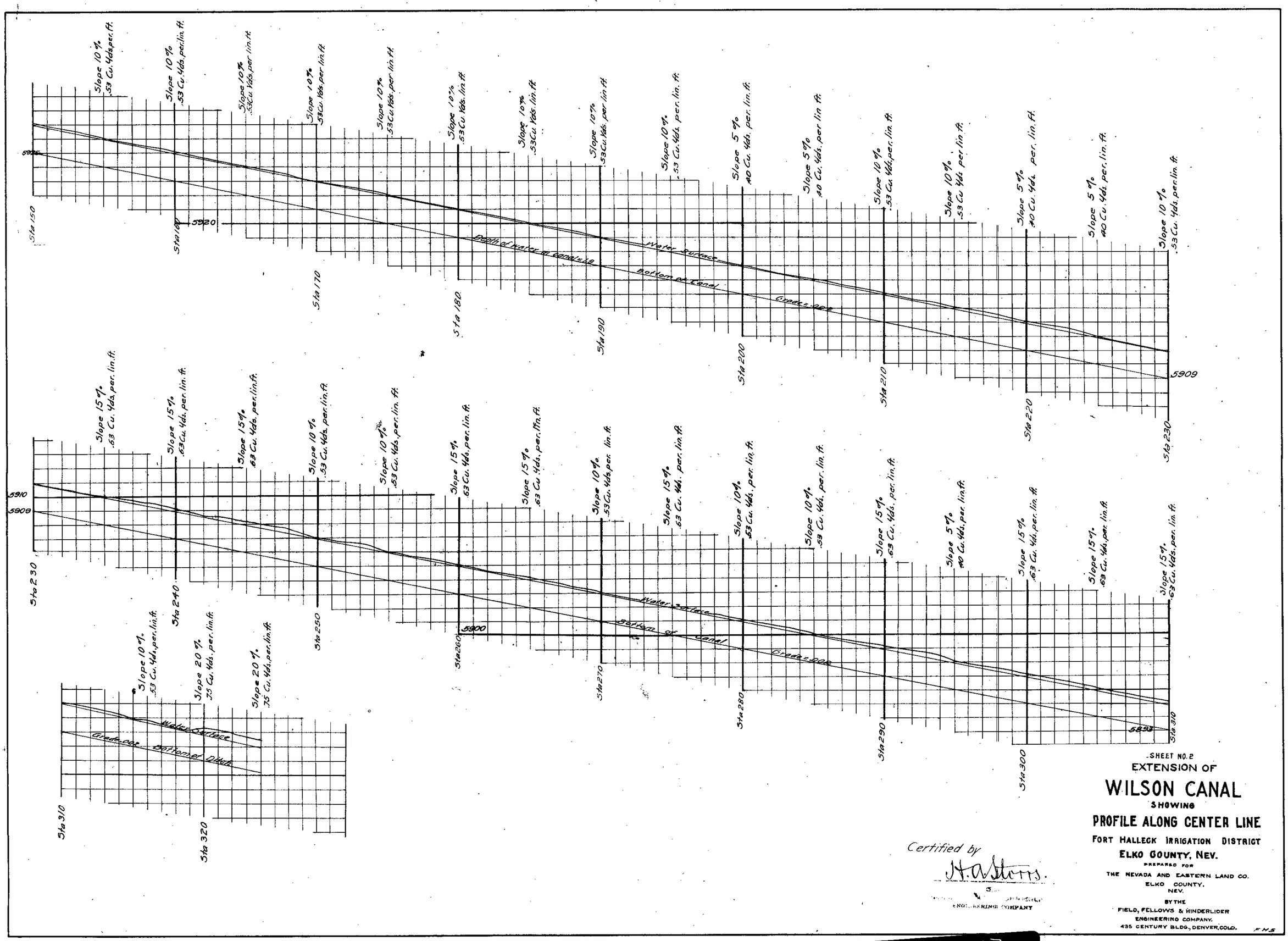

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ENGINEERING COMPANY

SHEET NO. 2
EXTENSION OF
WILSON CANAL
SHOWING
PROFILE ALONG CENTER LINE
FORT HALLECK IRRIGATION DISTRICT
ELKO COUNTY, NEV.
PREPARED FOR
THE NEVADA AND EASTERN LAND CO.
ELKO COUNTY,
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BY THE
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ENGINEERING COMPANY.
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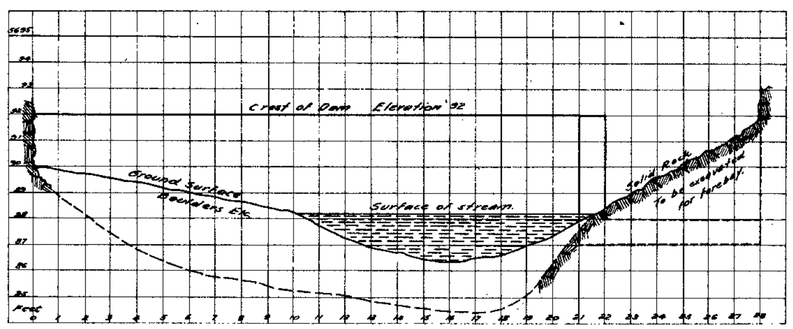
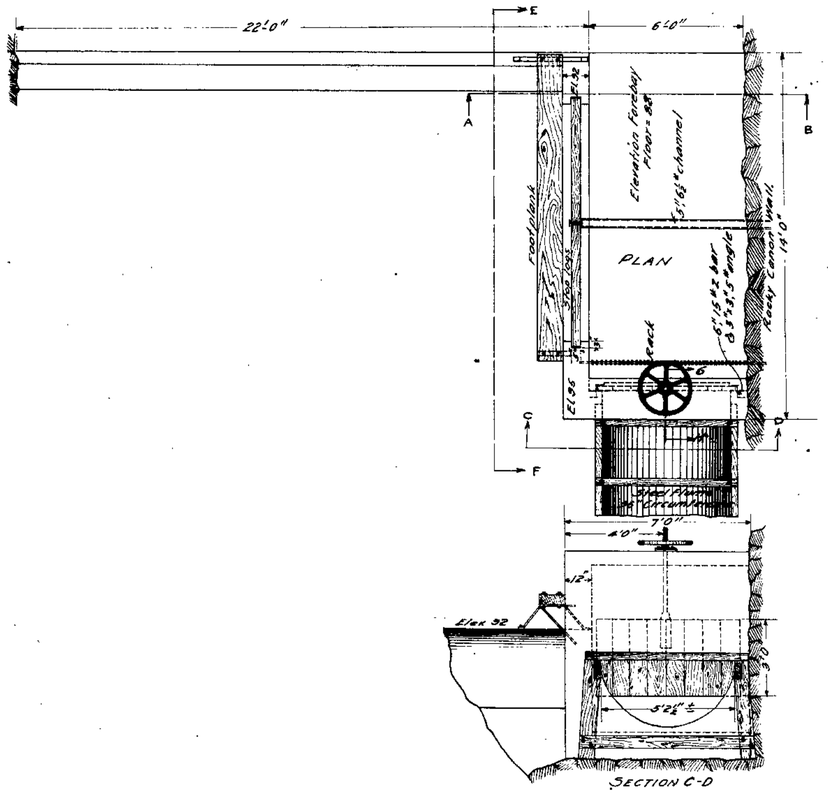
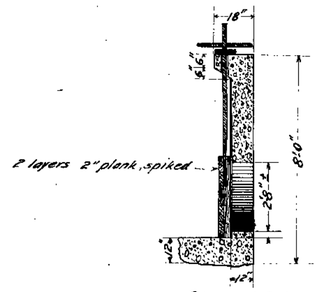


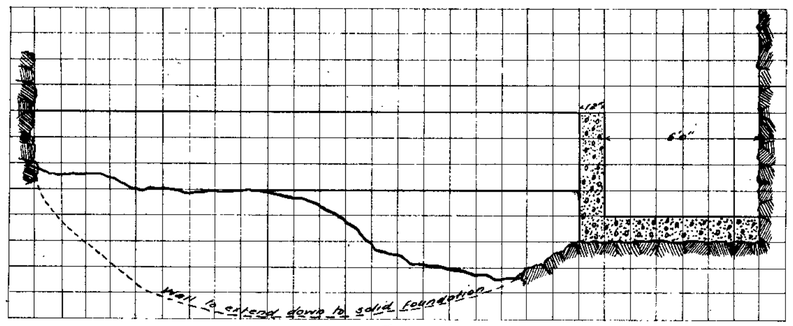
PROFILE OF DAM SITE, LOOKING UPSTREAM



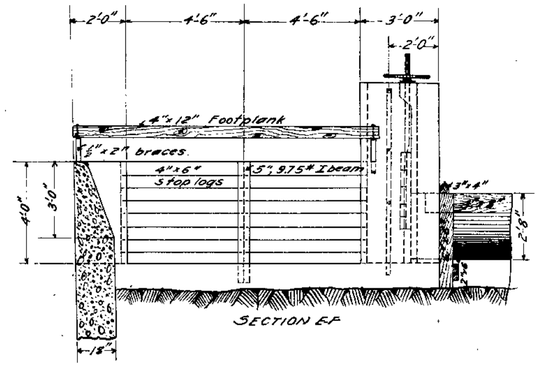
SECTION C-D



SECTION G-H



SECTION A-B



SECTION E-F

HEADWORKS OF MAIN CANAL
ON
SECRET CREEK

FORT HALLECK IRRIGATION DISTRICT.
ELKO COUNTY, NEV.

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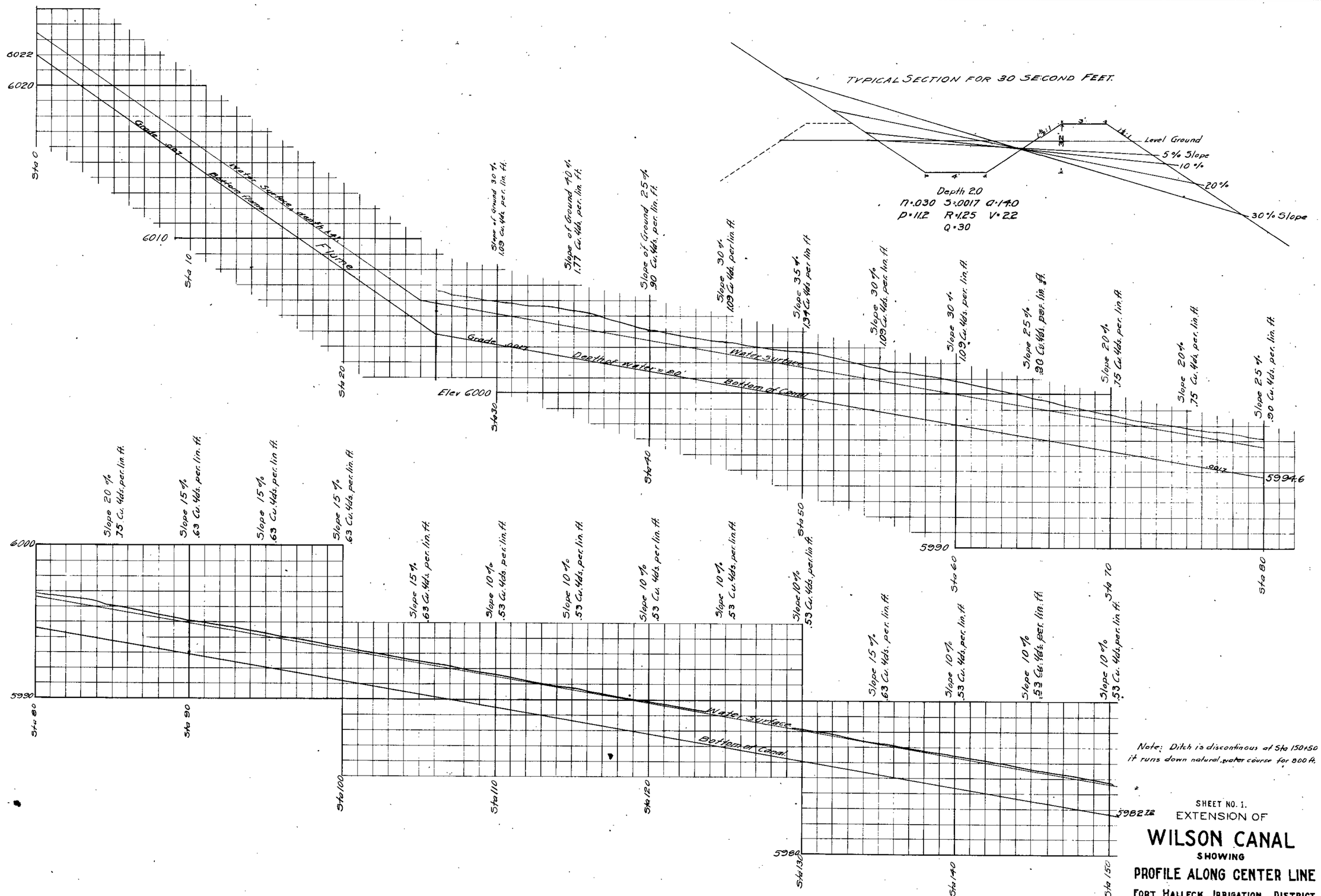

Note: Ditch is discontinous at Sta 150+50 it runs down natural water course for 800 ft.

SHEET NO. 1.

EXTENSION OF

WILSON CANAL

SHOWING

PROFILE ALONG CENTER LINE

FORT HALLECK IRRIGATION DISTRICT

ELKO COUNTY, NEV.

PREPARED FOR

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ELKO COUNTY,

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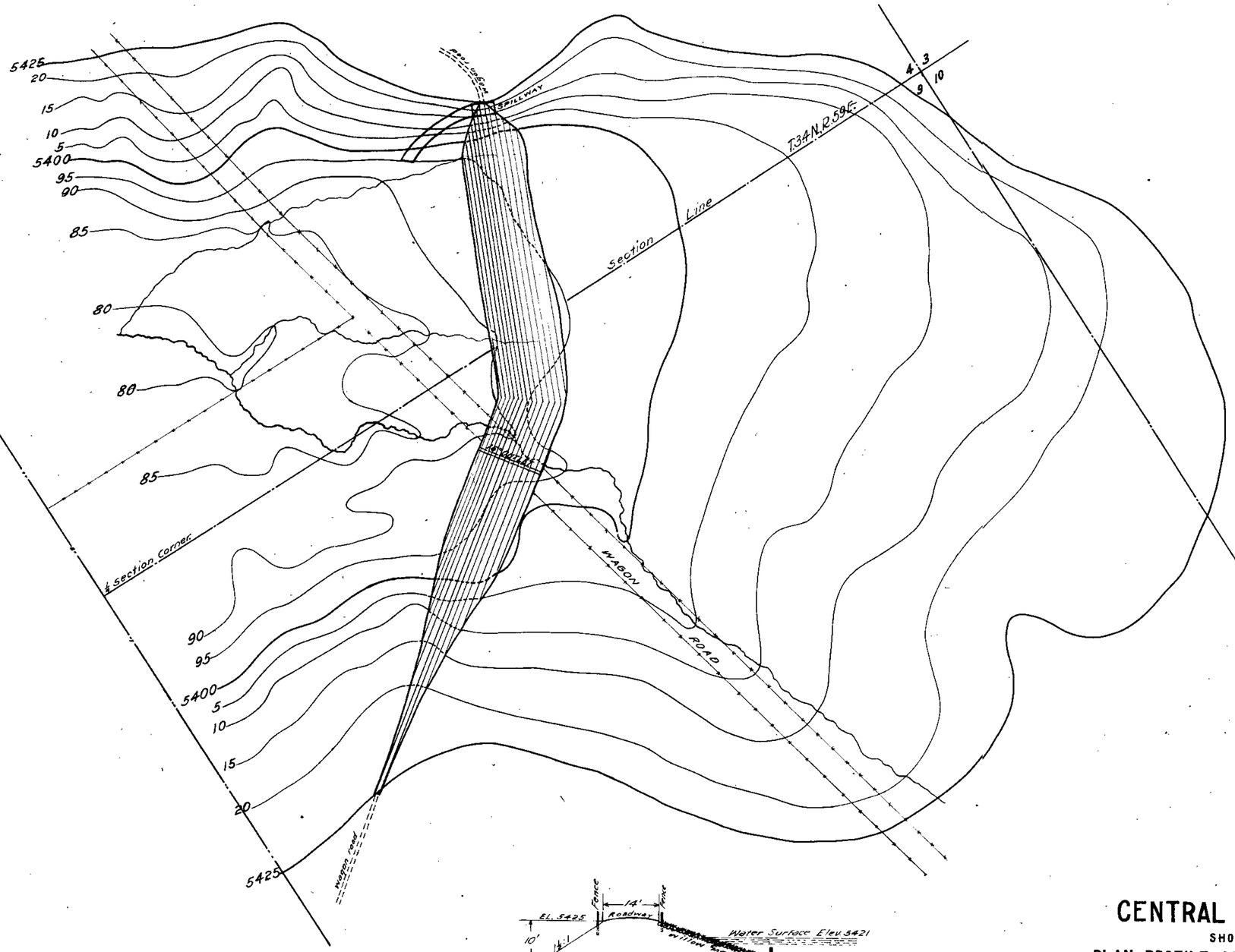
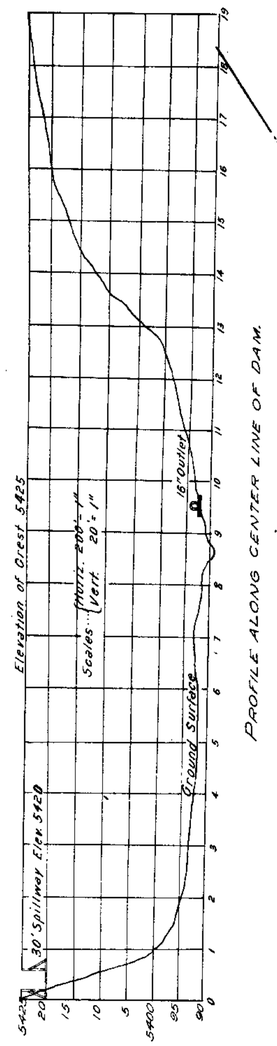
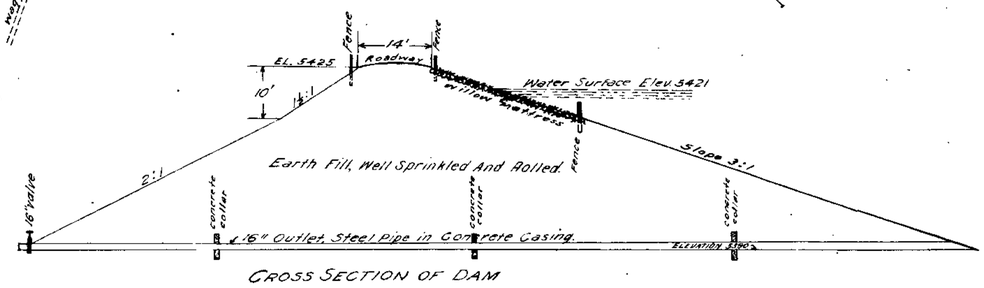
RESERVOIR CAPACITY	
CONTOUR	ACRE FT.
5390	0
95	0
5400	19
05	79
10	188
15	355
20	586
5421	650





PROFILE ALONG CENTER LINE OF DAM.



CROSS SECTION OF DAM

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CENTRAL RESERVOIR

SHOWING

PLAN PROFILE AND CROSS SECTIONS

FORT HALLECK IRRIGATION DISTRICT

ELKO COUNTY NEV.

PREPARED FOR

THE NEVADA AND EASTERN LAND CO.

ELKO COUNTY,

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SECRET RESERVOIR

Fort Halleck Irrigation District
Elko County, Nev.

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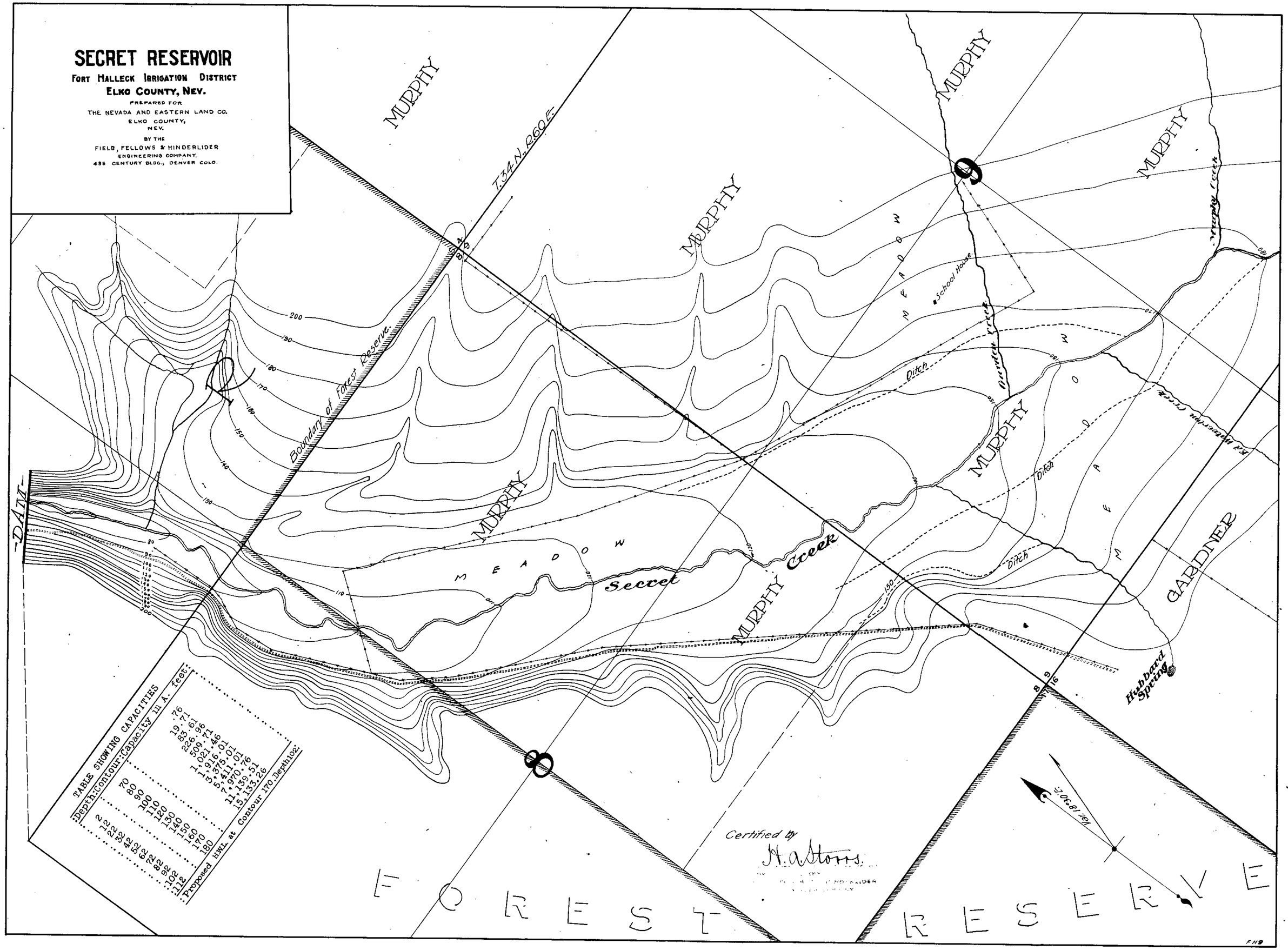

TABLE SHOWING CAPACITIES

Depth	Contour	Capacity in A. feet.
2	70	19.76
12	80	83.71
22	90	226.61
32	100	509.96
42	110	1,021.71
52	120	1,916.46
62	130	3,375.01
72	140	5,411.01
82	150	7,970.76
92	160	11,139.51
102	170	15,133.26
112	180	

Proposed HWL at Contour 170. Depth 102.

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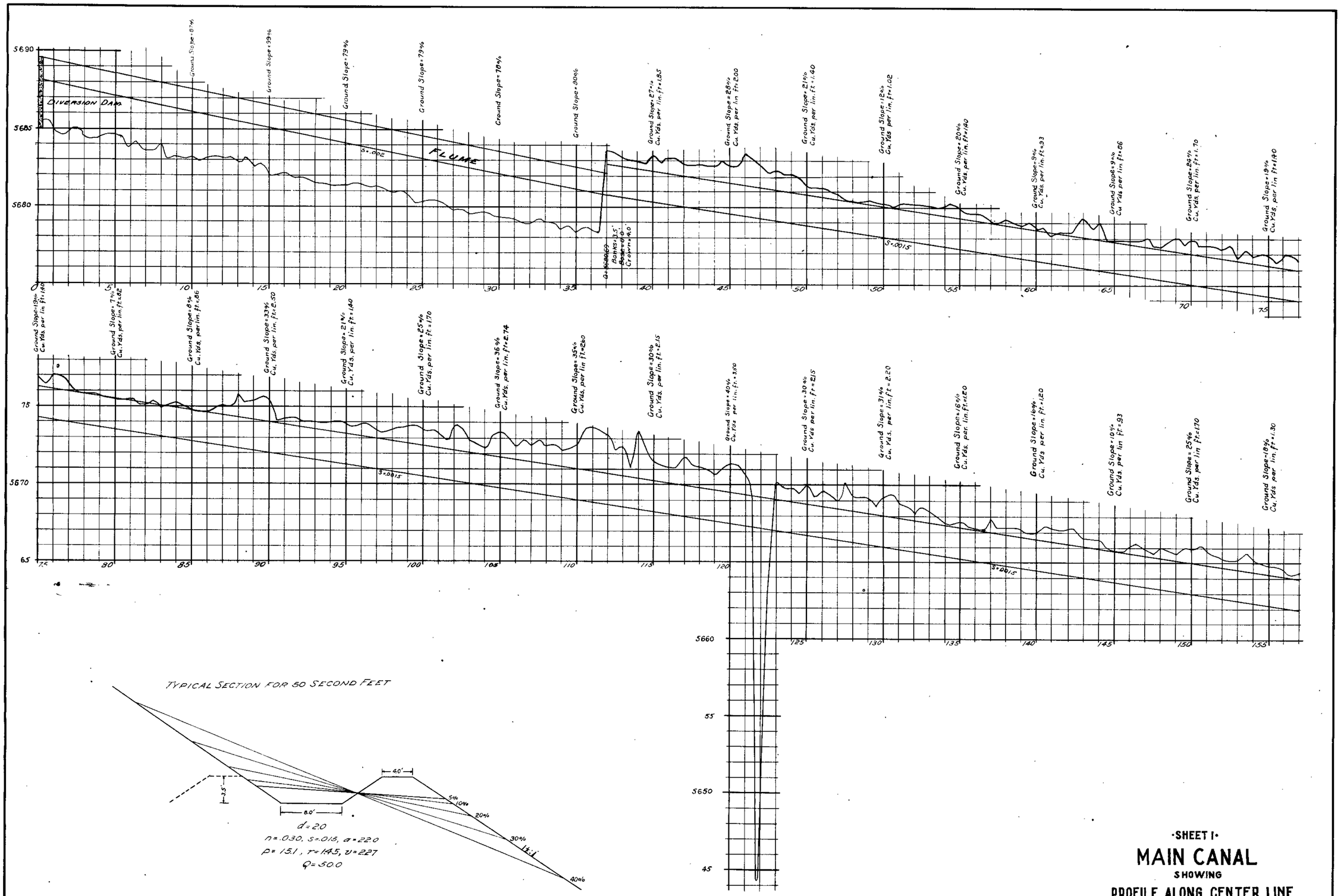

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H. A. Stoms.

FOR THE
FIELD, FELLOWS & HINDERLIDER
ENGINEERING COMPANY

·SHEET I·

MAIN CANAL

SHOWING

PROFILE ALONG CENTER LINE

FORT HALLECK IRRIGATION DISTRICT

ELKO COUNTY NEV.

PREPARED FOR
THE NEVADA AND EASTERN LAND CO.
ELKO COUNTY,
NEV.

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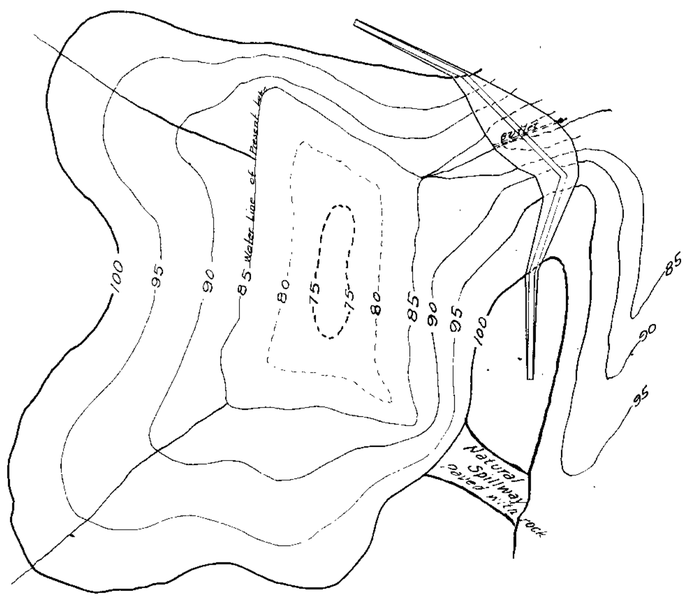

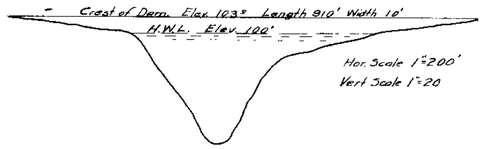

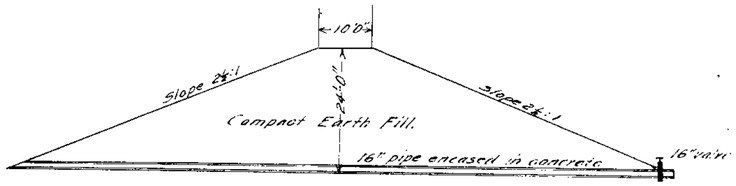

SOLDIER RESERVOIR

SHOWING

PLAN PROFILE AND CROSS SECTIONS

FORT HALLECK IRRIGATION DISTRICT

ELKO COUNTY NEV.

PREPARED FOR

THE NEVADA AND EASTERN LAND CO.

ELKO COUNTY,

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H. A. Storrs

F.H.7

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1768-57