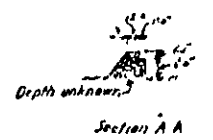
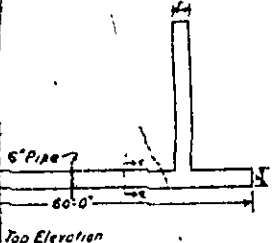




Detail-B Scale 1"=20'

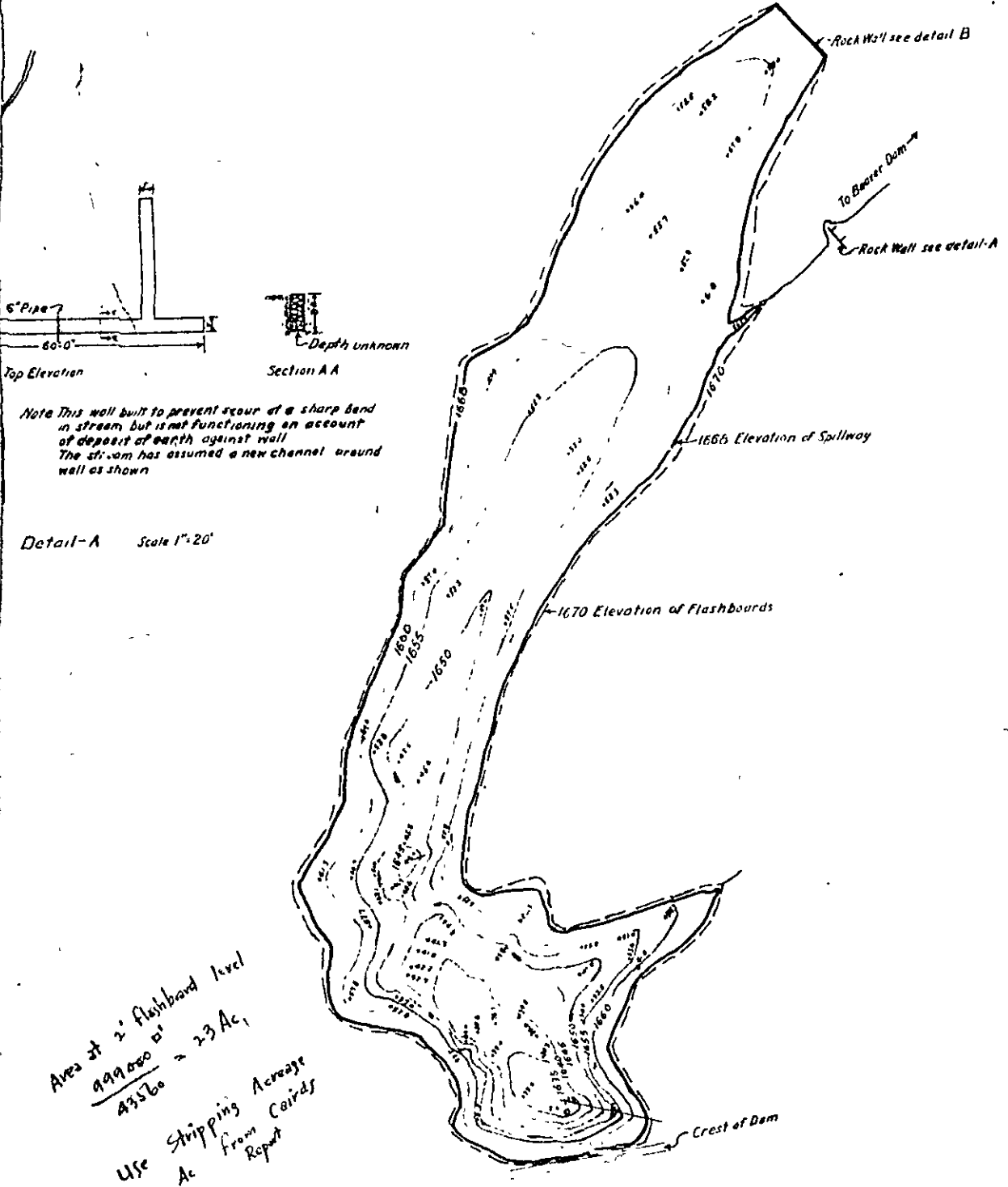


Section A-A



Note: This wall built to prevent scour at a sharp bend in stream, but is not functioning on account of deposit of earth against wall. The stream has assumed a new channel around wall as shown.

Detail-A Scale 1"=20'



Area of 2' Flashboard level
999,000 sq ft
43560 = 23 Ac.
Use Shipping Access
32 Ac. From Report

By Bill of Materials

Note: Bottom Elevations shown thus 577. The 16 is omitted re 577-16577

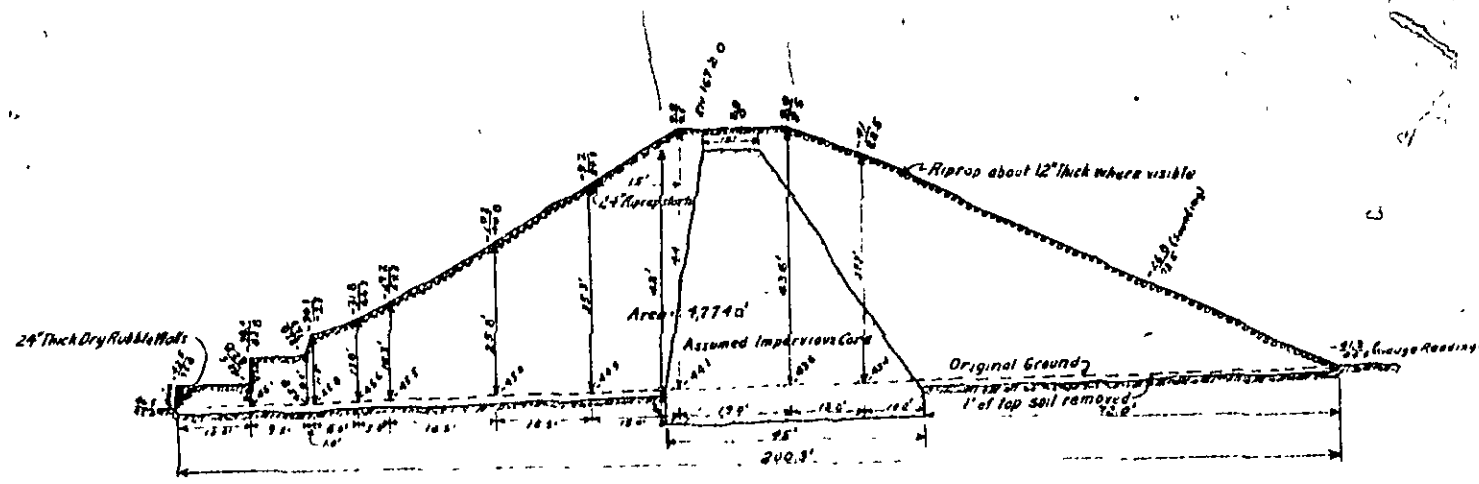
Approximate Capacities

45,000,000 Gallons - At concrete spillway level

100,000,000 Gallons - At 2' Flashboard level

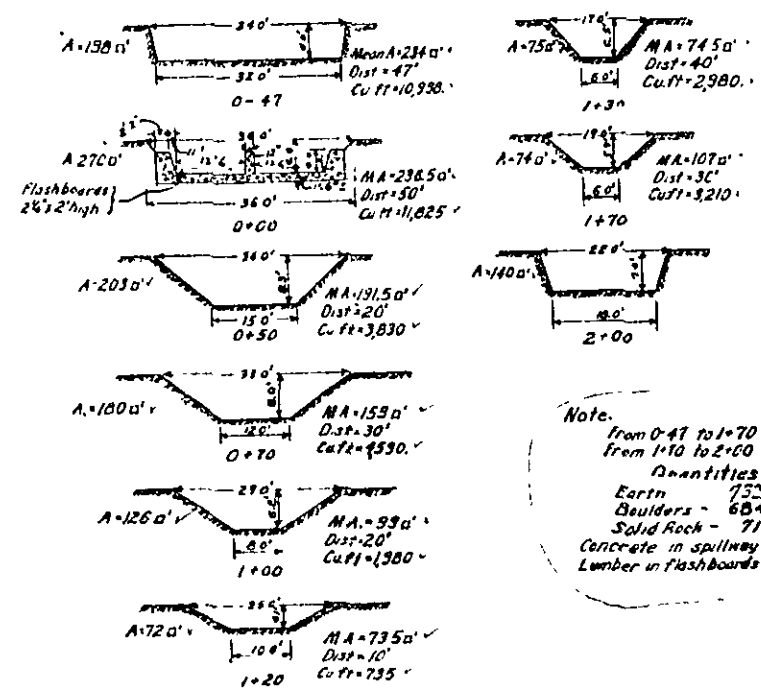
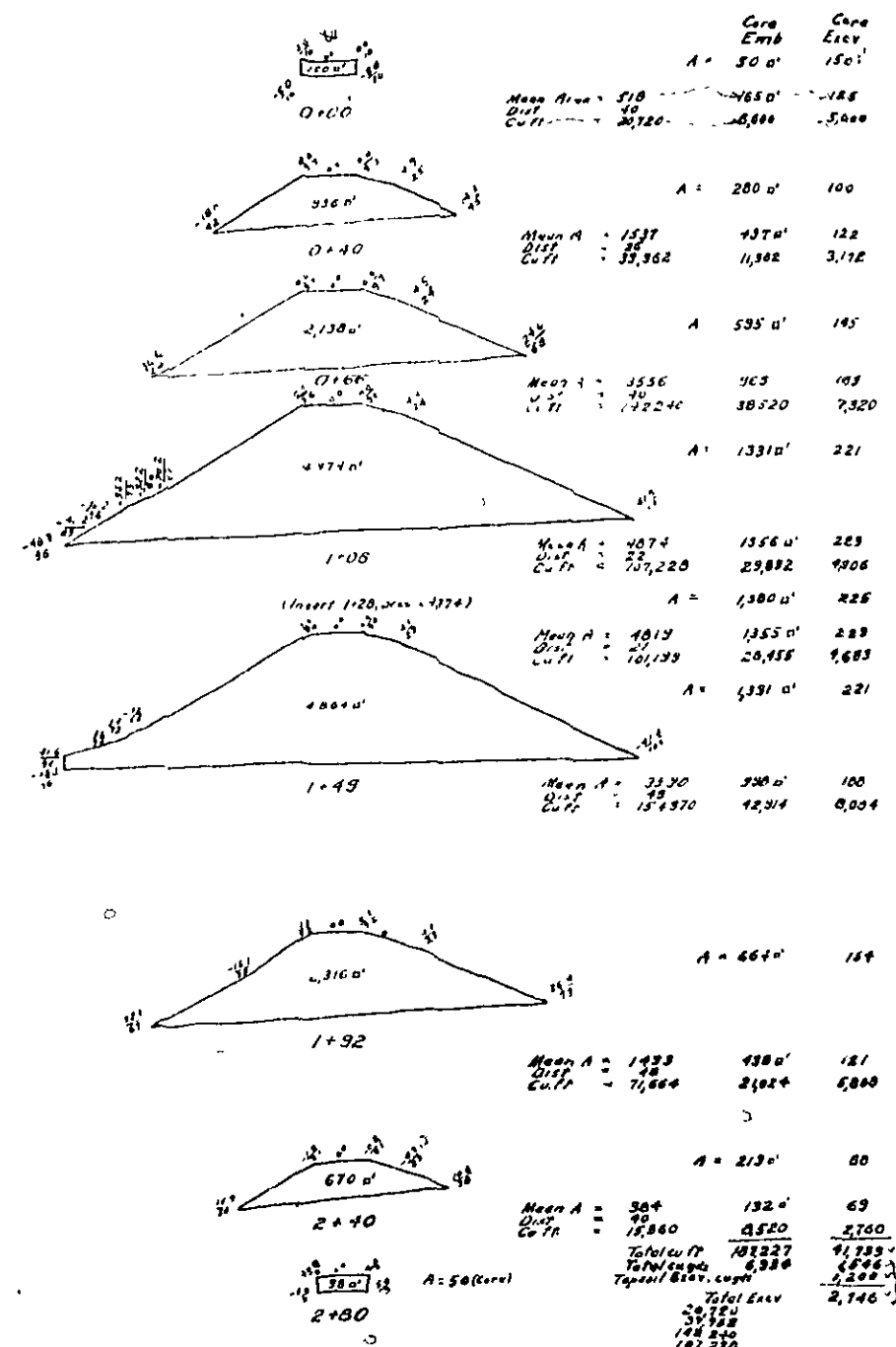
Volume 1670 =	100.0 m. G.
68 =	85
60 =	40
55 =	19.8
50 =	9.0
45 =	3.7
40 =	1.1
34 =	0

Falling Creek Reservoir
RWV 30,31-B



Note: Elevation & Impervious Core are assumed as similar to the plans of Beaver Dam. For geology & topography of the two dam sites being similar.

Scale 1"=20'



Note: From 0+41 to 0+70 50% boulders from 1+10 to 2+00 80% solid rock. Quantities: 75' x 4' x 2' boulders - 60 cu yds. Solid Rock - 71 cu yds. Concrete in spillway - 272 cu yds. Lumber in flashboards - 180 ft x 12" x 6".

Spillway Channel - Falling Creek Dam
RWV 30,31-B Scale 1"=20'

Falling Creek Dam
RWV 31-B

OK
USE

Item	Quantity	Unit
Bag. Emb. 20d x 2 1/2" Cu. Yd.	3000	cu yd.
Cloy Puddle 3500	3000	cu yd.
Rip. Rip	3000	cu yd.
Rubble Masonry	700	cu yd.
Cutoff wall	700	cu yd.
Rubble Masonry	300	cu yd.
Protective Wall	300	cu yd.
Excavation	2746	cu yd.

VALUATION OF
ROANOKE WATER WORKS CO.
ROANOKE - VA.
FALLING CREEK DAM & FILTER PLANT
MAR. 5, 1934
ALLEN J. SAVILLE, INC. ENGINEERS
RICHMOND - VA.
Survey by - G.W.H.
Drawn by - R.H.S.
Traced by - L.B.Y.
Computed by - R.H.S.

R.W.V. 31-A