N.

Rip-rap Side Slope 1 to 1

Masonry Core Wall.

Rip-rap Spillway

Toe Wall

Vertical Retaining Wall

Toe of Slope

3'-0"

Station 0

Valves.

8" Outlet Main.

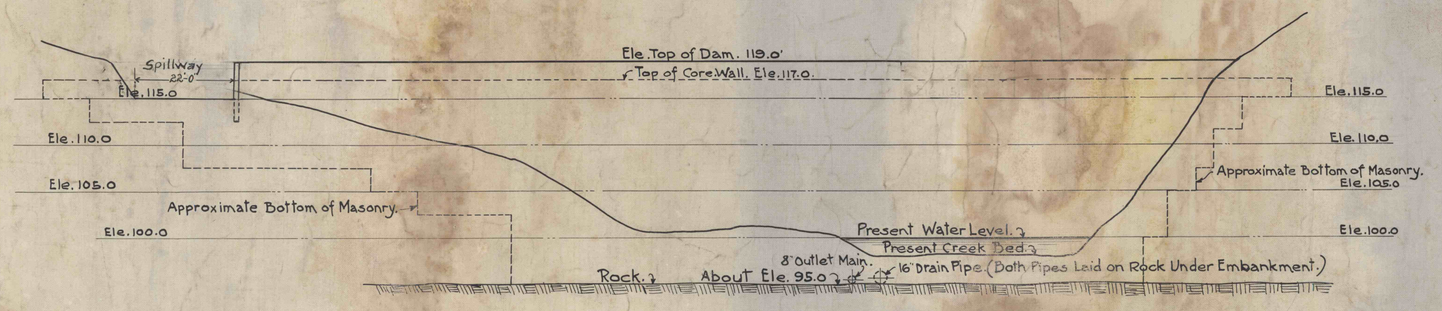
16" Drain Pipe

Ele. of Water in Reservoir
115.0.
12,000,000 GAL. CAP.

RUN.

RUMMELS

TYPOGRAPHIC MAP OF RESERVOIR SITE
SHOWING LOCATION OF DAM.
Scale:-1"=50'-0".



SECTION ACROSS VALLEY AT DAM SITE.
LOOKING UPSTREAM.
Scale:-Vertical- 1"=10 ft.
" Horiz.- 1"=20 ft.

8'-0"
4'-0" 4'-0"
Ele. 119.0
Spillway Retaining Wall
Riprap Not Less Than 8" Thick
30'-0"
Spillway Retaining Wall 12" Thick
Ele. 117.0
2'-6"
Ele. 115.0
Top of Spillway.
Ele. 115.0
Natural Ground Level
Best available top soil 6" thick Seeded
Toe Wall 12" Thick 3'-0" Deep
Slope 2 to 1
Material Free From Large Stones and Wood.
Batter 3/4" to 1 ft.
Rubble Masonry Core Wall.
Batter 3/4" to 1 ft.
Selected From the Most Impervious Material at Hand, Preferably 75% Gravel, 10% Fine Sand and 15% Clay or Loam.
Slope 2 to 1
Concrete Head Wall. 4 ft. High X 6 ft. Long X 12" Thick
About Ele. 100.0
Natural Ground Level.
Concrete Mat 6 ft. Sq. X 9" Thick.
Cast Iron Valve Box. 4 ft. Long.
Creek Bed.
Gate Valve With Rising Stem. 6 ft. Long.
Creek Bed.
Concrete Cut-off Wall 9" Thick. 18" All Around Pipe.
10'-6"
Note:- Bottom Width Variable.
5:1 (for Height of 22'-0")
Rock. Ele. 95.0
16" Cast Iron Drain Pipe Laid on Rock.

TYPICAL CROSS-SECTION OF DAM.
Scale:-1"=4 Ft.

LOCATION MAP.
Scale:-1"=1 Mile.

APPROXIMATE QUANTITIES

6 Acres.	Clearing and Grubbing.
4400 cu. Yds.	Embankment
10 cu. Yds.	Concrete.
580 cu. Yds.	Rubble Masonry
7000 Sq. ft.	Rip-rap
108 Lin. ft.	16" cast Iron Pipe.
700 Lin. ft.	8" " "
	Spillway.

Contractor

Chief Engineer

EARTH DAM & RESERVOIR.
Located on Rummels Run Near
Wehrum, Pa.
Topographic Map, Profile and
Detail Plan and Sections

28109

Lackawanna Coal & Coke Co.
Buffalo, N.Y., 191
Scale 1 Inch