Old Plan of Cote des Neiges Reservoir

124

C+30.5 54ft R.

A0+15 54ft R.

B5+06-18ft R.

C2-42ft R.

D5+18-18ft R.

A6+10-9ft R.

E6+23.6 9ft R.

232

328.13

314

222

112

220.13

48.13

37.64

657 4

657-4

657-C-14

MONTREAL WATER & POWER CO.

COTE DES NEIGES RESERVOIR.

Weight per lineal foot of wall = $\frac{1'\text{-}6" + 7'\text{-}9"}{2} \times 10.83 \times 144$ lbs. = 7200 lbs.

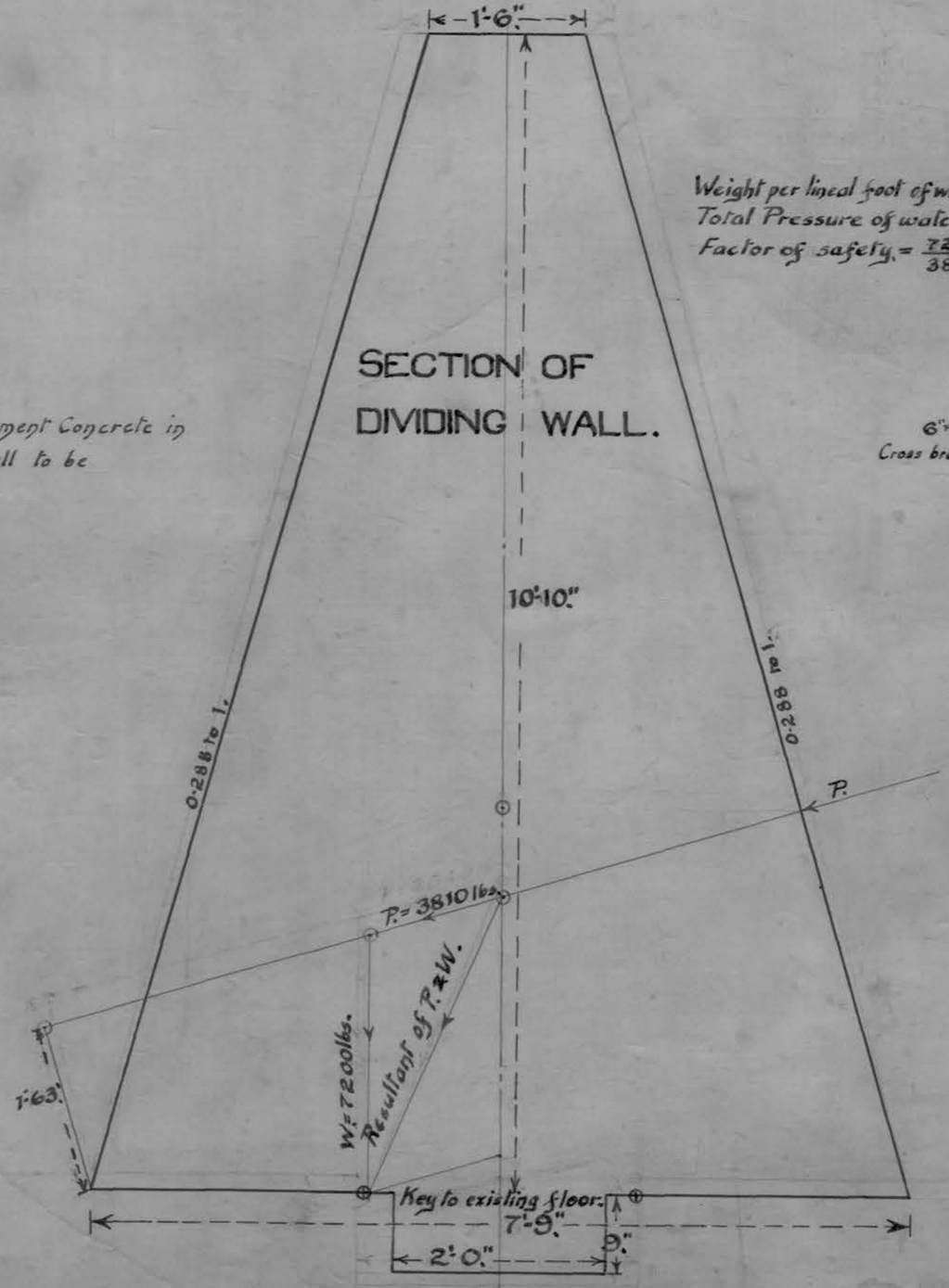
Total Pressure of water per lin. ft. = $\frac{11.27 \times 10.83 \times 62\frac{1}{2}}{2}$ = 3810 lbs.

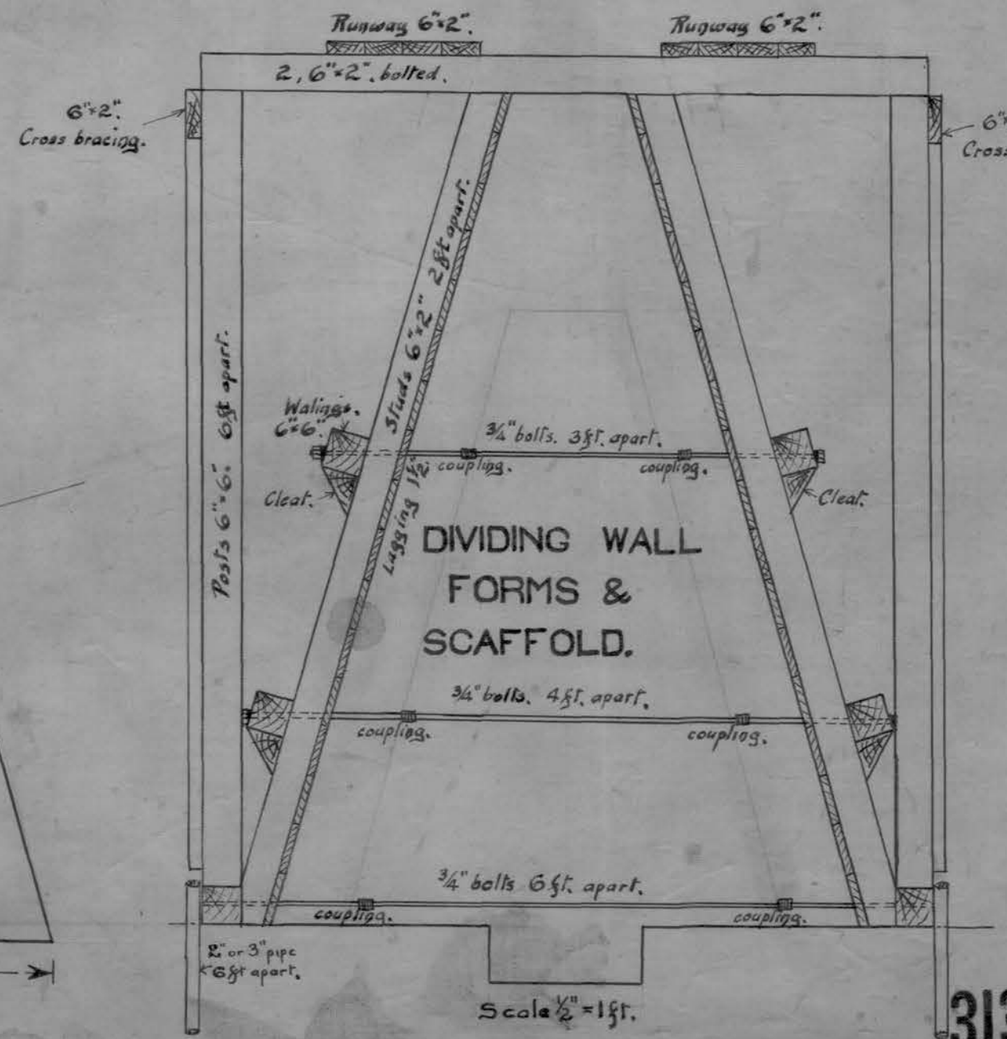
Factor of safety = $\frac{7200 \times 3\frac{7}{8}}{3810 \times 1.63}$ = $\frac{27900.}{6200.}$ = 4.5.

Scale. 3/4" = 1ft. April 10th 1924.

Portland Cement Concrete in Dividing Wall to be 1:2:4 mix.

SECTION OF DIVIDING WALL.





3136-F-157

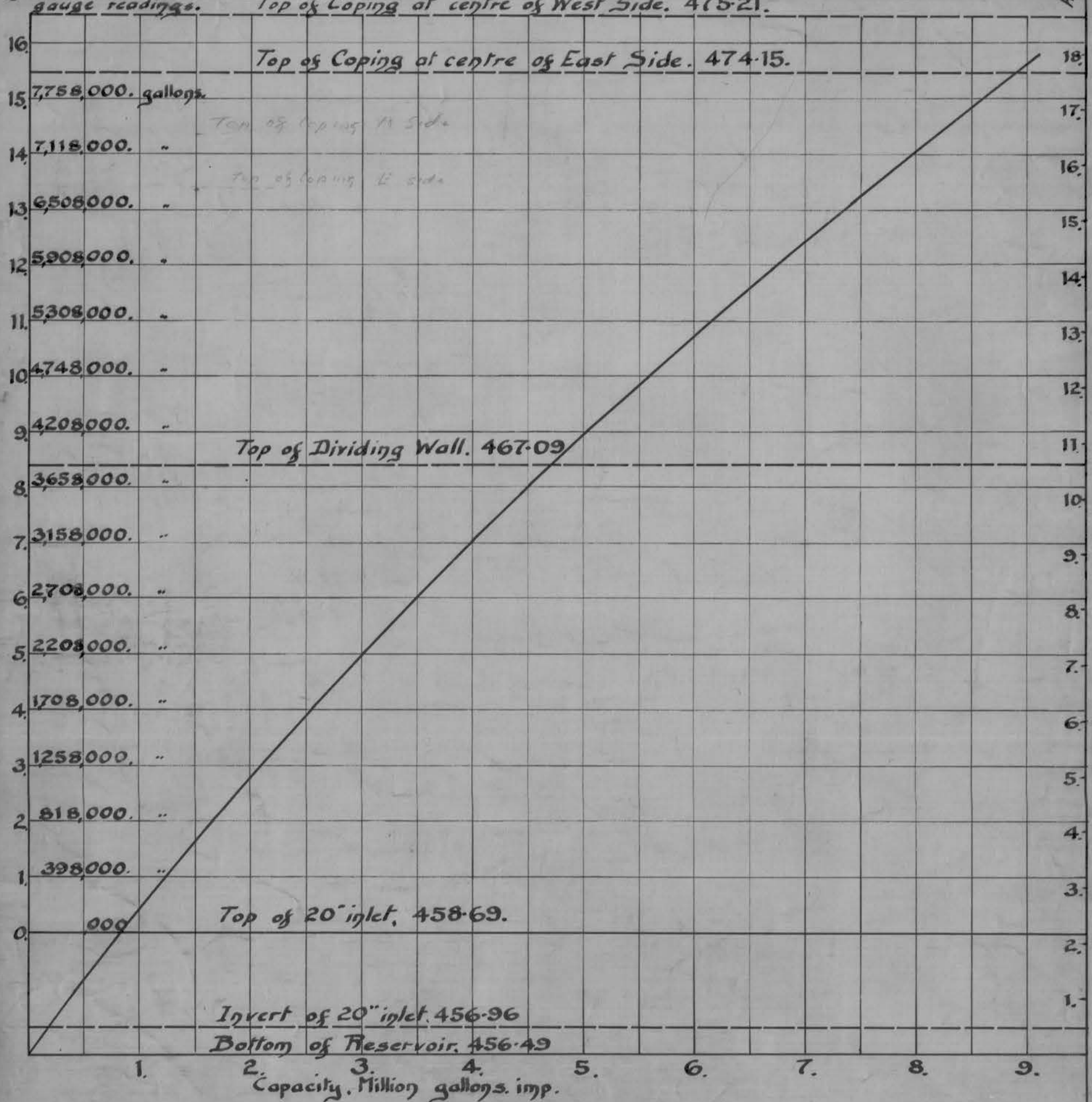
W.F.T.

CÔTE DES NEIGES RESERVOIR.

Curve showing capacity at various depths.

Bottom area West Pond. 113,000. sq. ft
Bottom area East Pond. 480,000. sq. ft. = 1/4·25

Nov. 4th 1924.

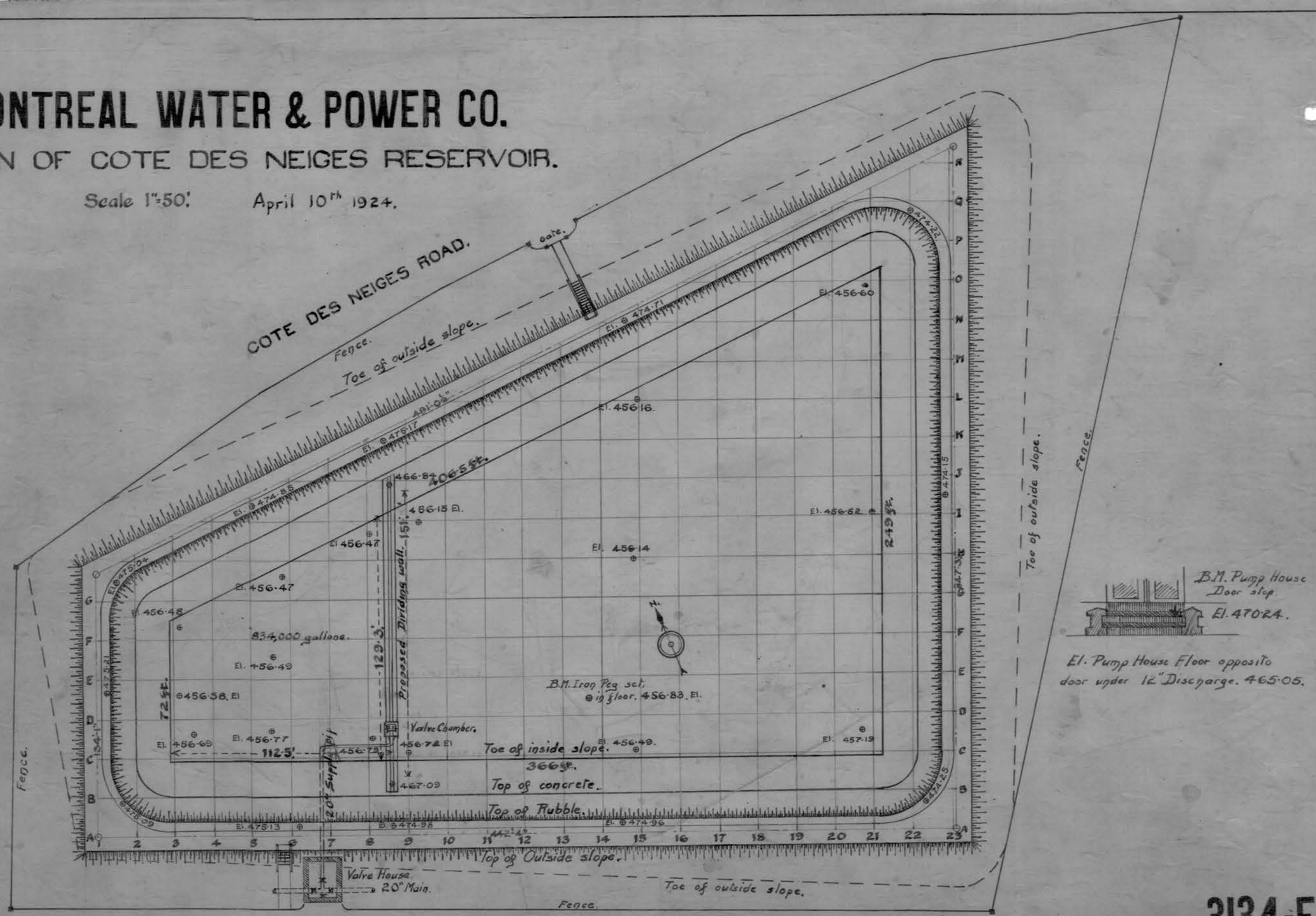


3171:F-162.

MONTREAL WATER & POWER CO.

PLAN OF COTE DES NEIGES RESERVOIR.

Scale 1"=50' April 10th 1924.



3134-F-155.

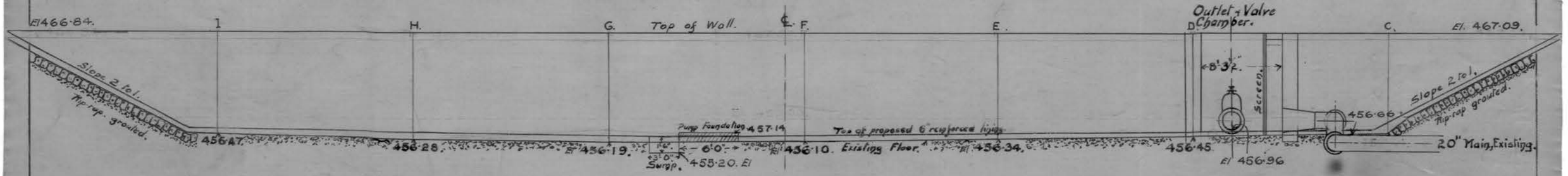
W.J.T.

MONTREAL WATER & POWER CO.

PROFILE OF DIVIDING WALL.

COTE DES NEIGES RESERVOIR.

Scale 1" = 10 ft. April 10th 1924.



This dividing wall will retain 834,000 gallons in West section of Reservoir.
Pump Foundation to be 6'×6'×1' high.
Sump to be 3'×3'×1'-6" deep.

3138-F-159.

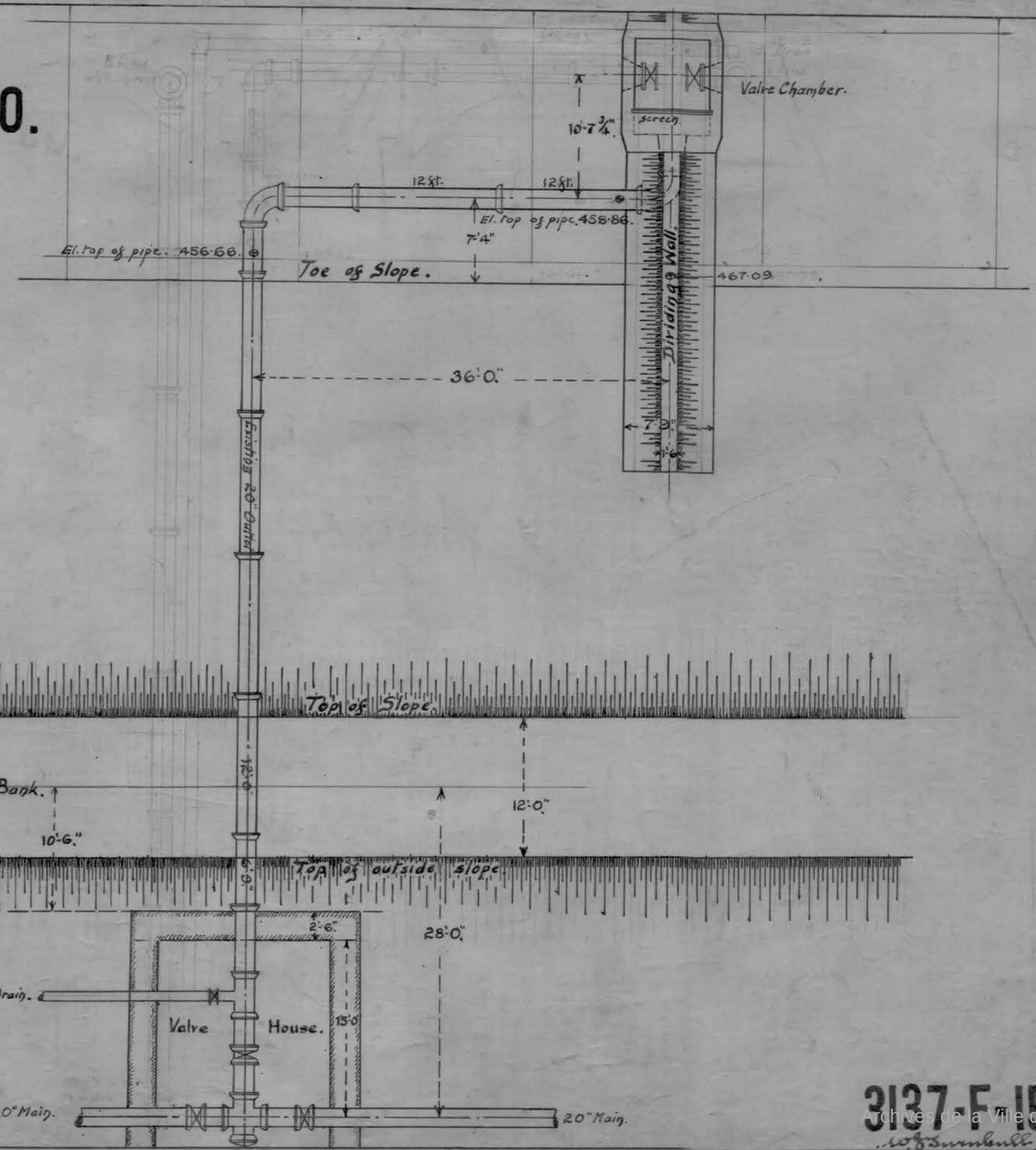
W.J.T.

MONTREAL WATER & POWER CO.

COTE DES NEIGES RESERVOIR.

PLAN OF OUTLETS & PIPING.

Scale 1"=10ft. April 10th 1924.

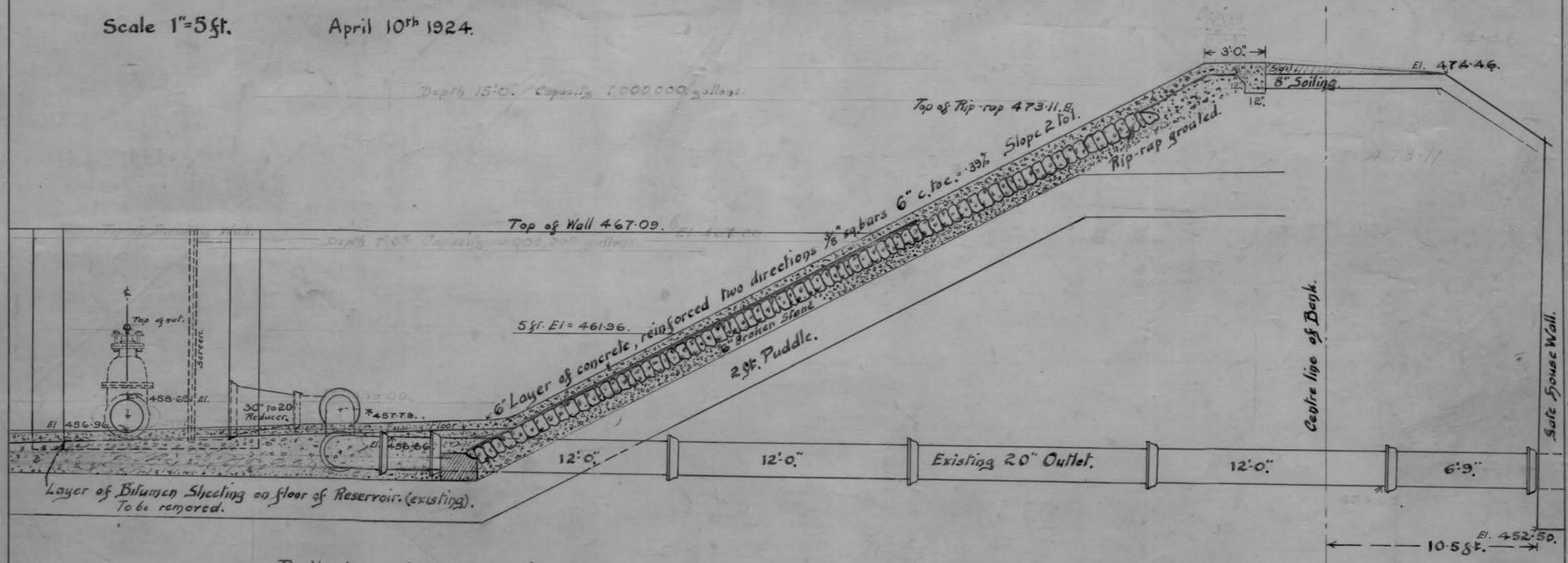


3137-F-158.

MONTREAL WATER & POWER CO.

SECTION THROUGH BANK OF COTE DES NEIGES RESERVOIR.

Scale 1"=5 ft. April 10th 1924.



Portland cement concrete on floor and sides of reservoir to be 1:2:4 mix.

Alternative Lining.

Gunite 2" thick on floor reinforced with style #040 triangle mesh. Mix = 1 cement to 3½ sand.

Gunite 2" thick on slopes to 5'-0" level reinforced with #040 triangle mesh. Mix = 1 cement to 3½ sand. 5'-0" Level = El. 461.96.

Gunite 3" thick on slopes from 5'-0" Level to top including 3'-0" coping reinforced with 2 layers of #7A mesh laid at right angles. Mix.= 1 cement to 2½ sand.

Full precautions to be taken in curing gunite lining.

3135-F-156.

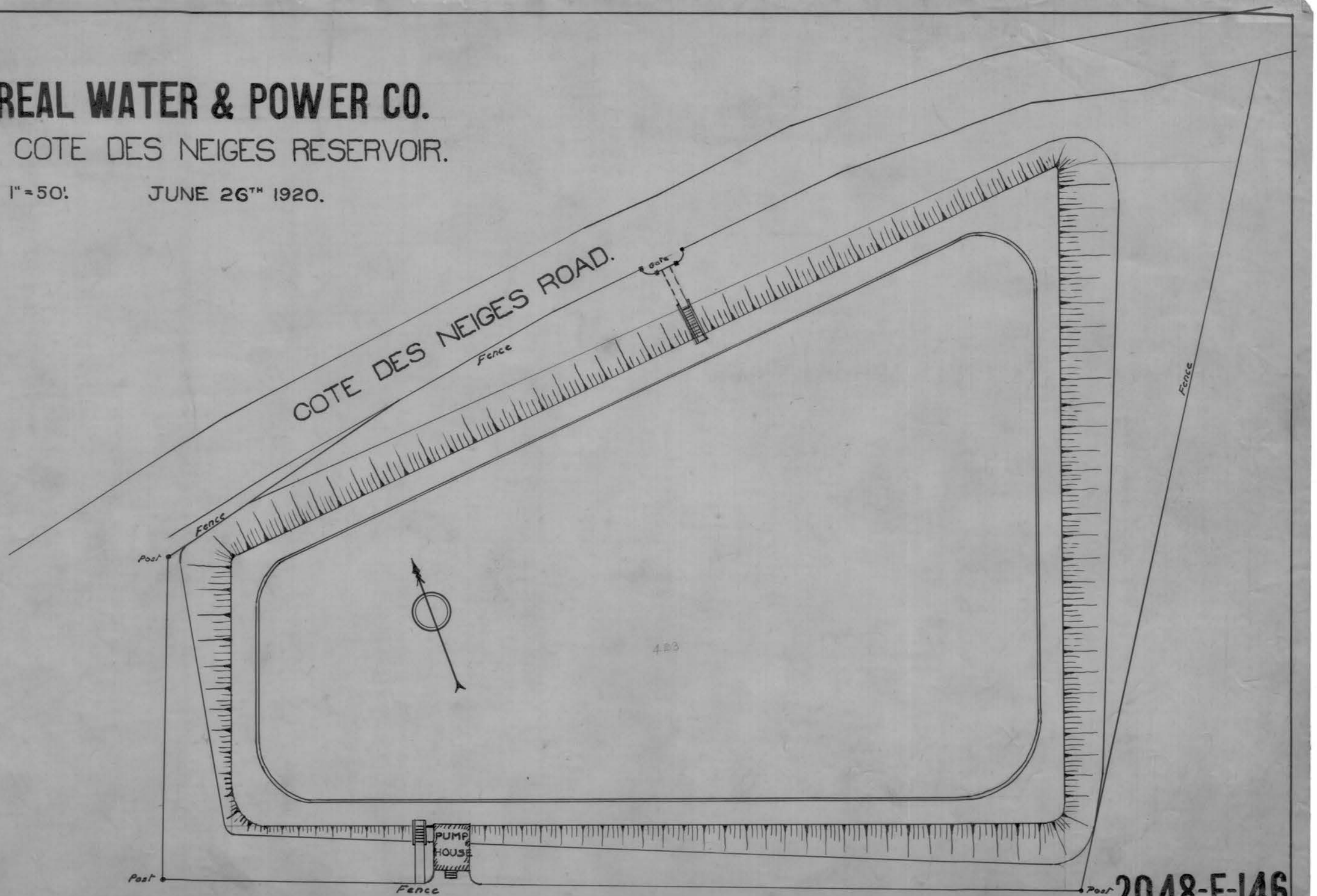
W.J.T.

W.B. Brumbull.

MONTREAL WATER & POWER CO.

PLAN OF COTE DES NEIGES RESERVOIR.

SCALE:- 1" = 50'. JUNE 26TH 1920.



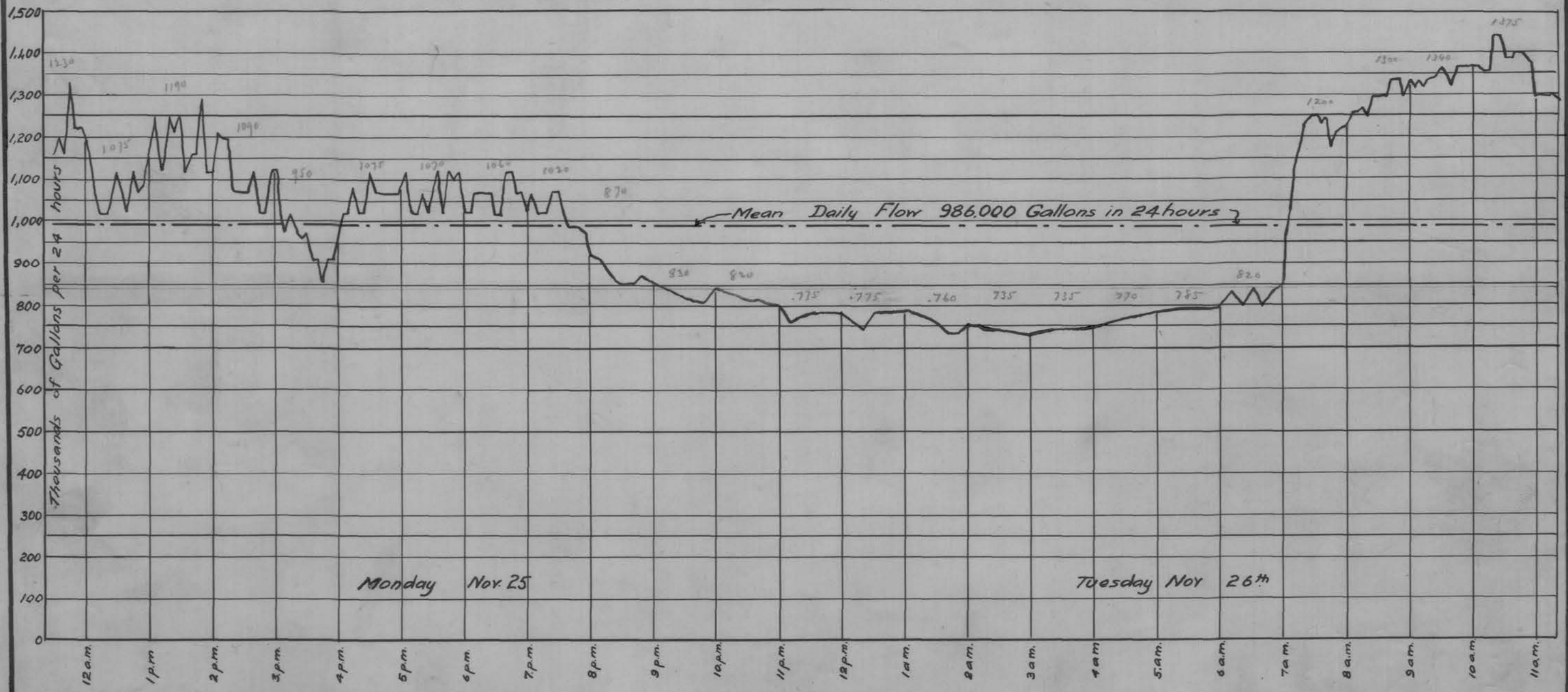
2048-F-146

MONTREAL WATER & POWER C°

— Flow through 20" Main to District North of Cote des Neiges Reservoir on High Level System —

— Cote des Neiges & part of Outremont, Mt Royal & Laurier Wards —

Monday Nov 25th to Tuesday Nov. 26th 1918.



1986-F-143.

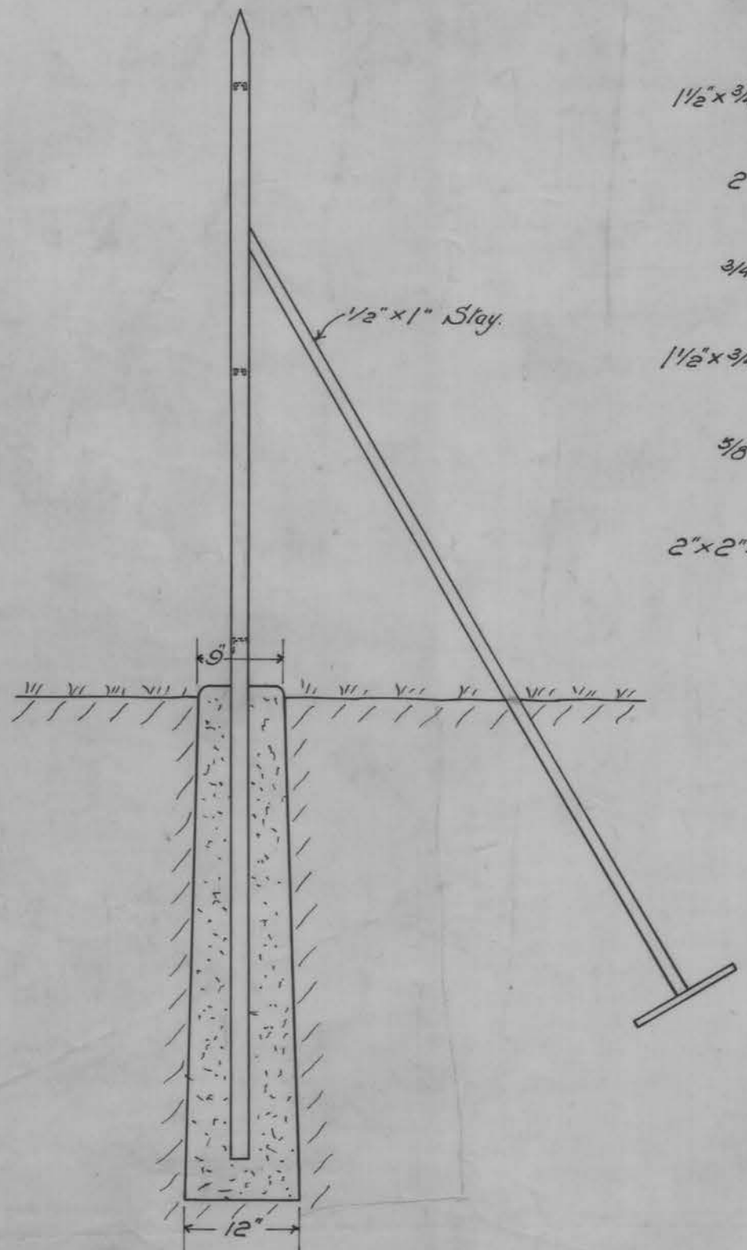
F.T.G.

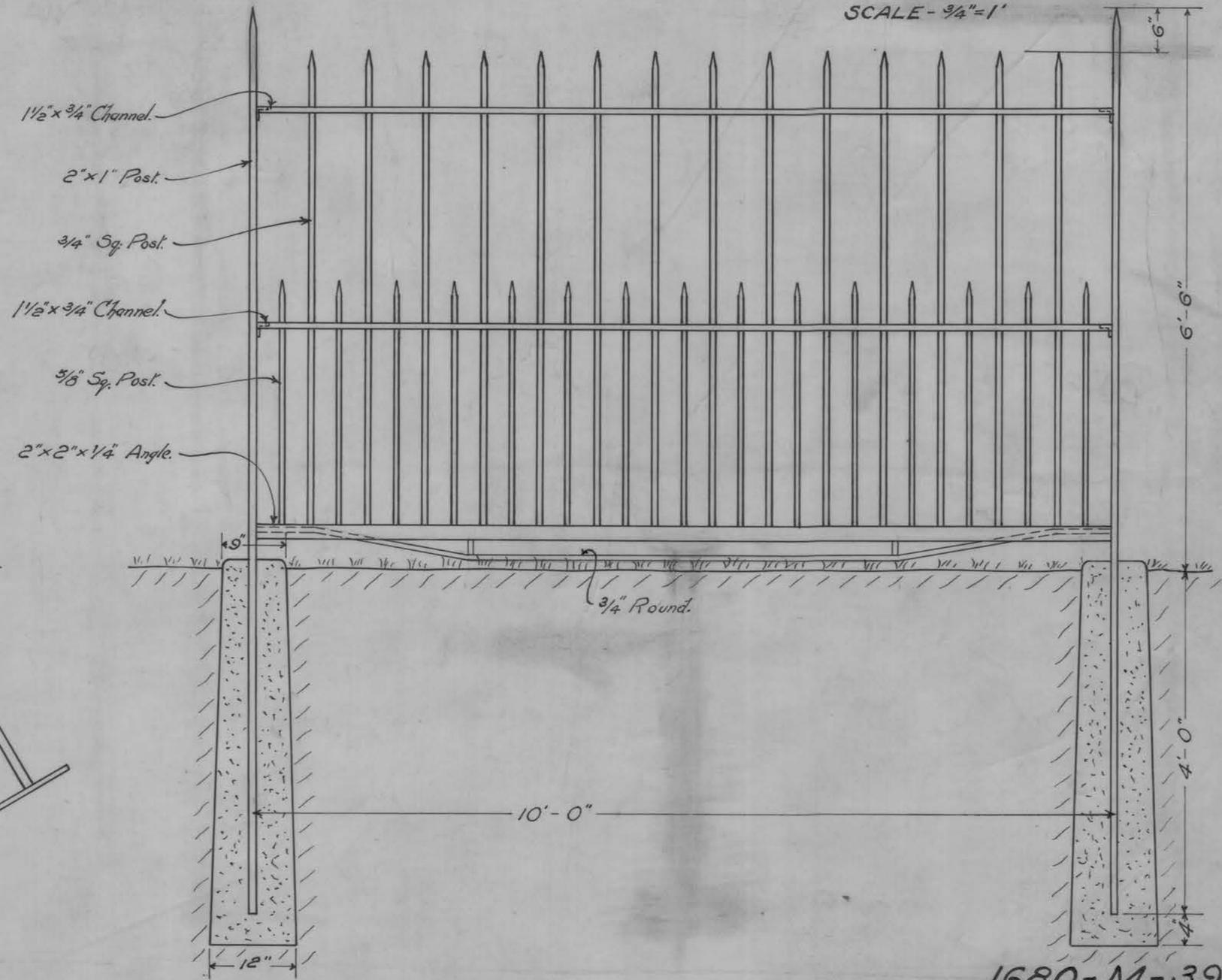
MONTREAL WATER & POWER COMPANY.

WROUGHT IRON FENCE.

MONTREAL, JUNE 2ND 1913

SCALE - 3/4" = 1'





1680-M-39

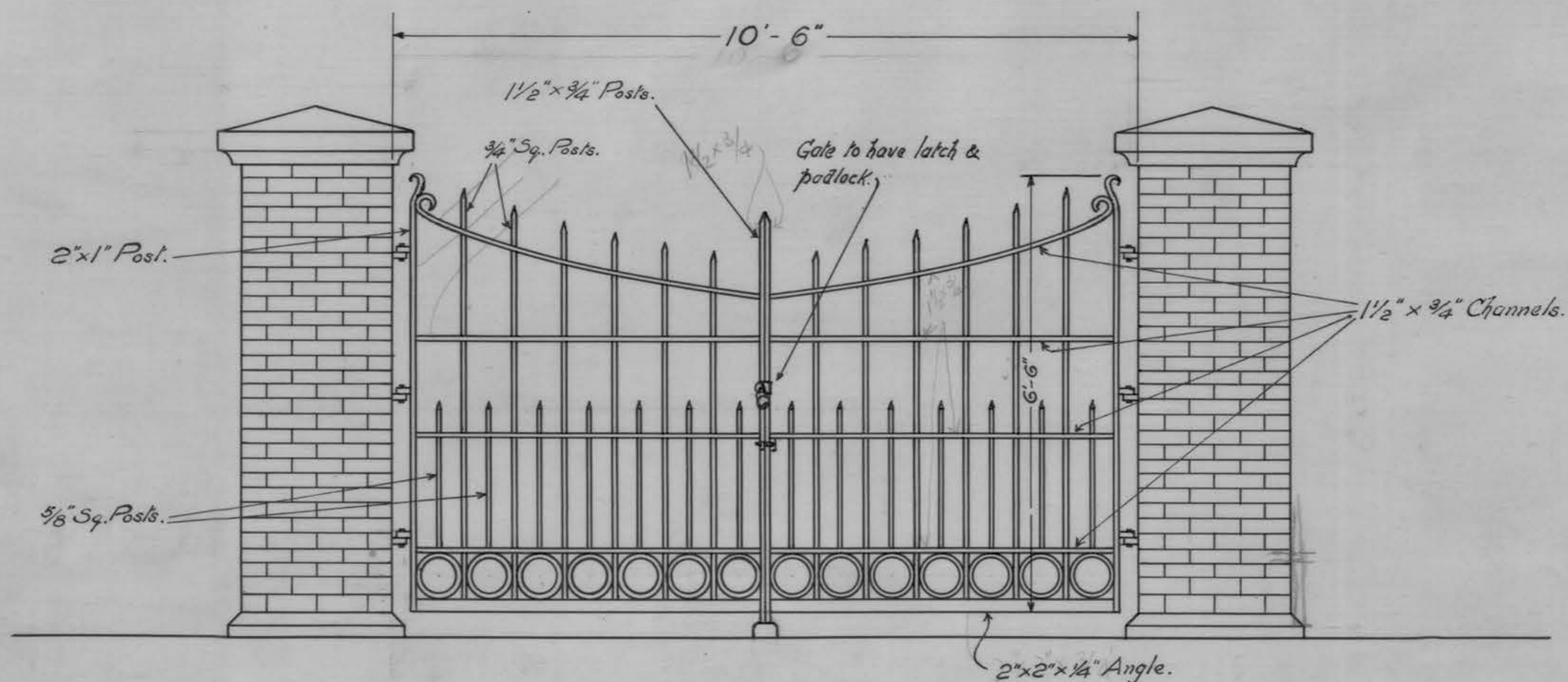
A.T.B

MONTREAL WATER & POWER COMPANY.

GATE FOR COTE DES NEIGES RESERVOIR.

MONTREAL, NOV. 6TH 1913.

SCALE 1/2" = 1'



1729-M-43

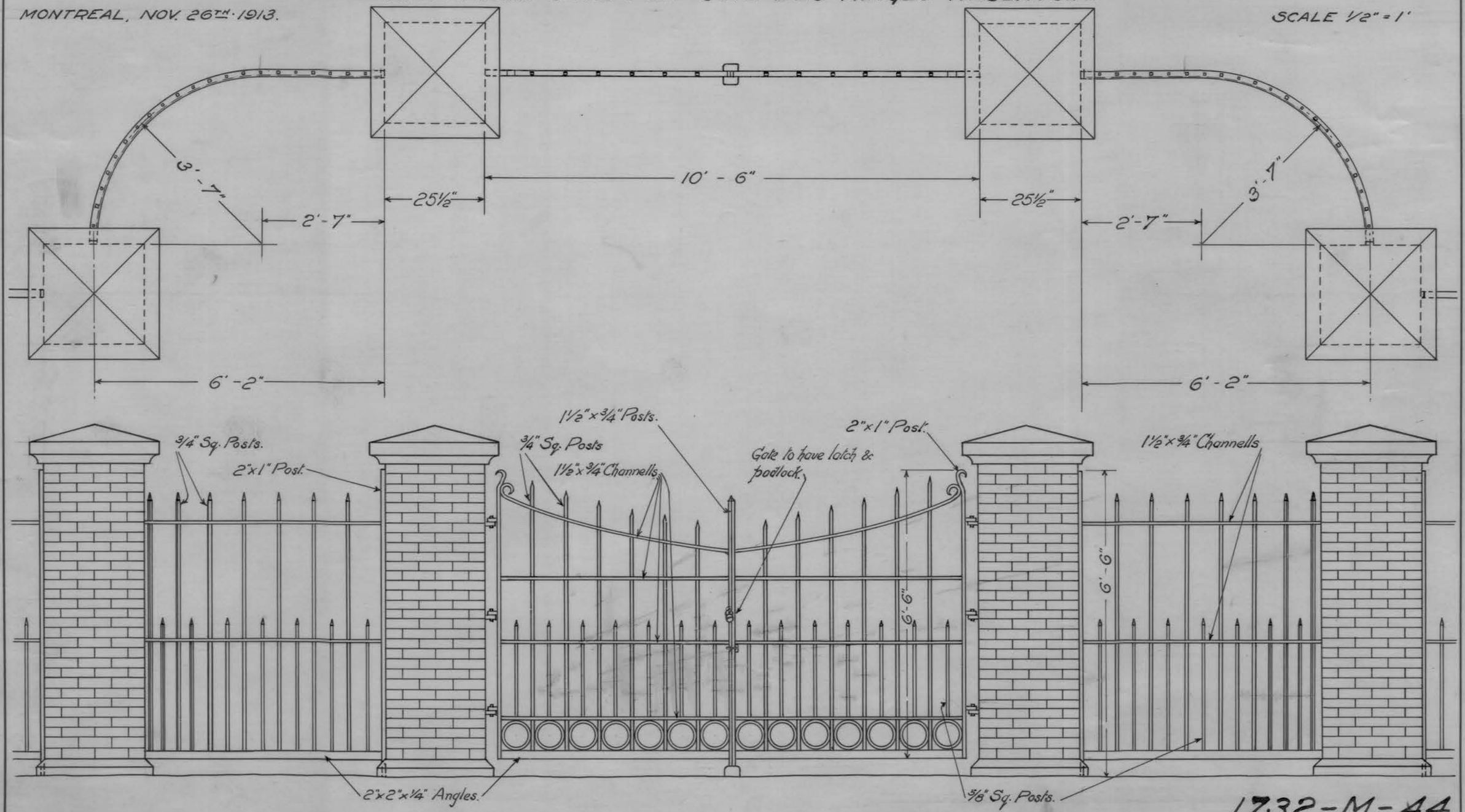
R.T.B.

MONTREAL WATER & POWER COMPANY.

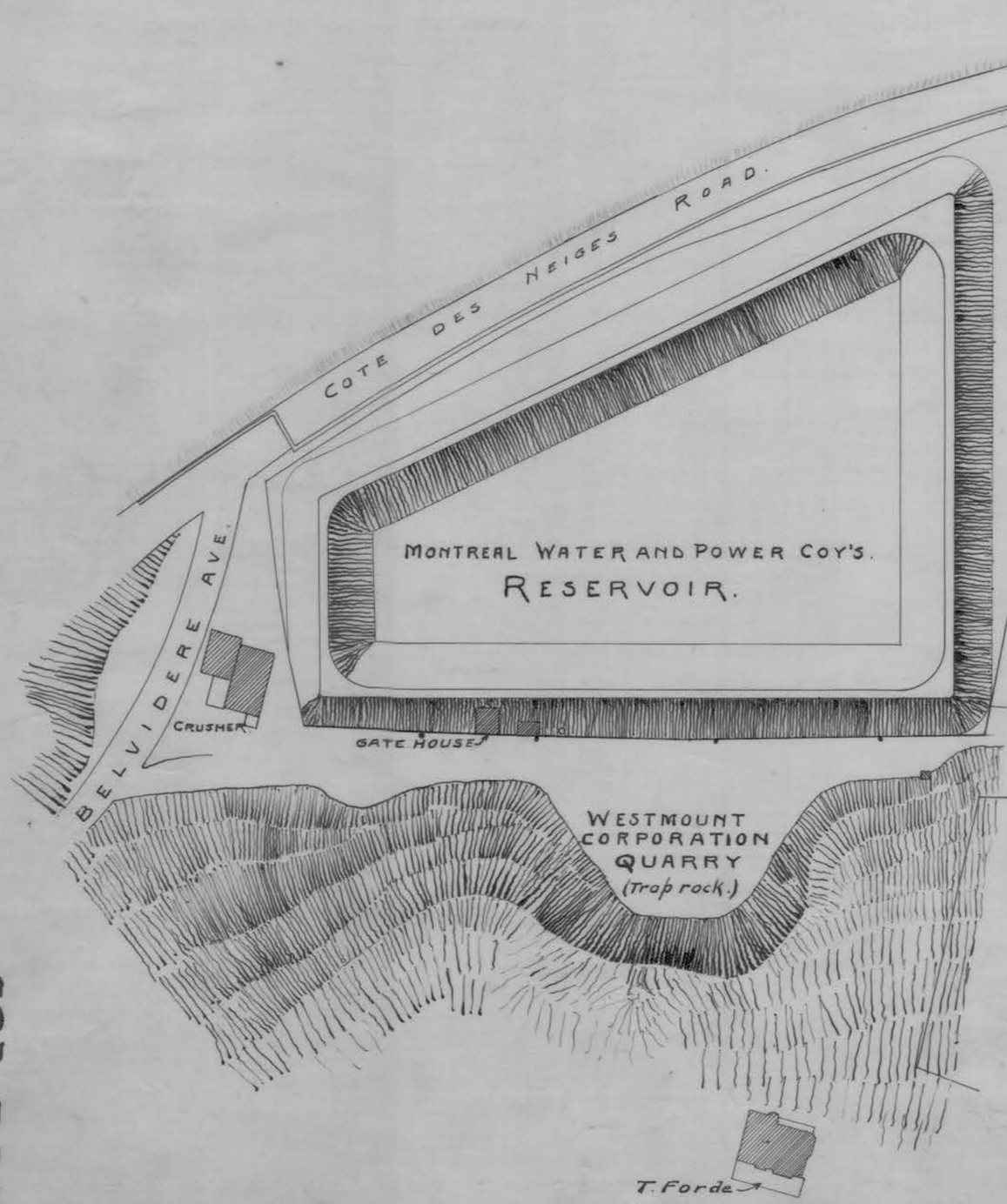
ENTRANCE GATE FOR COTE DES NEIGES RESERVOIR.

MONTREAL, NOV. 26TH. 1913.

SCALE 1/2" = 1'



1732-M-44



MONTREAL WATER & POWER CO

PLAN OF

RESERVOIR

— SHOWING —

LOCATION OF QUARRY.

SCALE-1 INCH = 100 FEET.

0 100' 200' 300'

Prepared by
F. H. Pitcher per Jam.
Chief Engineer.

583-F-22

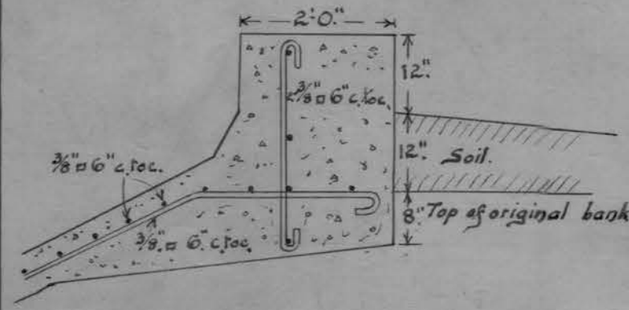
583-F-

MONTREAL WATER & POWER CO.

COTE DES NEIGES RESERVOIR.

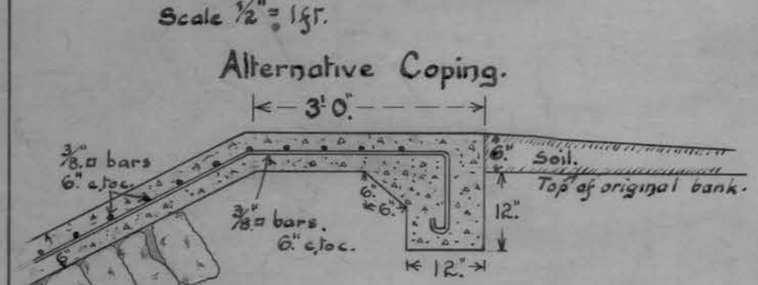
DETAILS OF COPING, SCREEN, & OUTLET.

April 10th 1924.

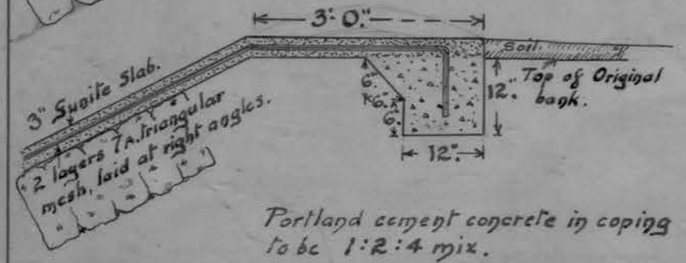


Scale ½" = 1 ft.

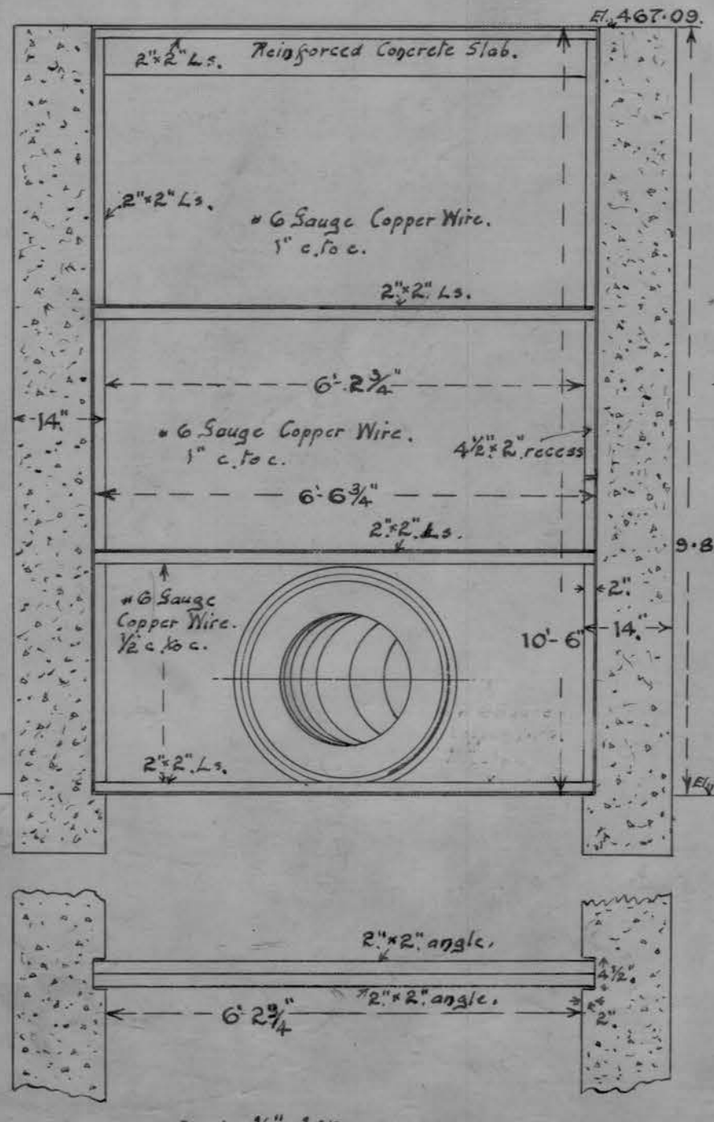
Alternative Coping.



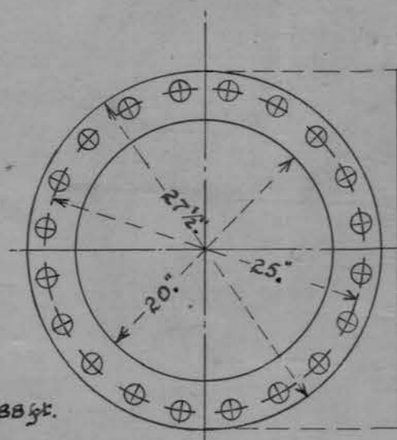
Coping with Gunite slab.



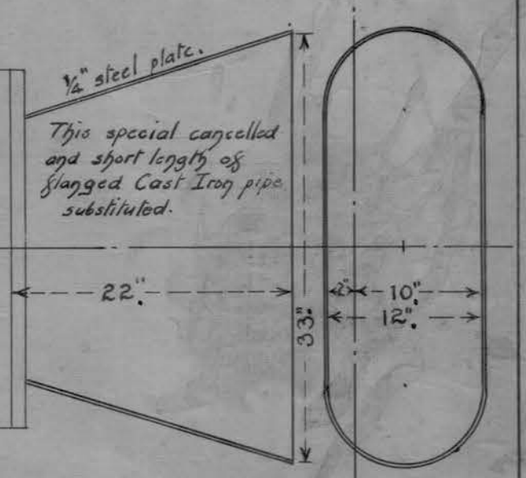
Portland cement concrete in coping to be 1:2:4 mix.

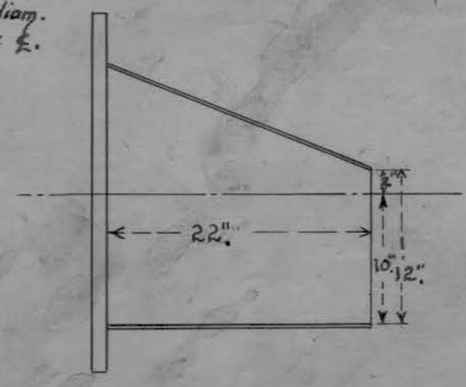


Scale ½" = 1 ft.



Diam. of Bolts. = 1⅛".
Number of bolts. = 20.
Bolt holes to be drilled ⅛" larger than nominal diam.
Bolt holes to be straddle ℄.





Scale 1" = 1 ft.

3140-F-161.

W.H. Swankell.

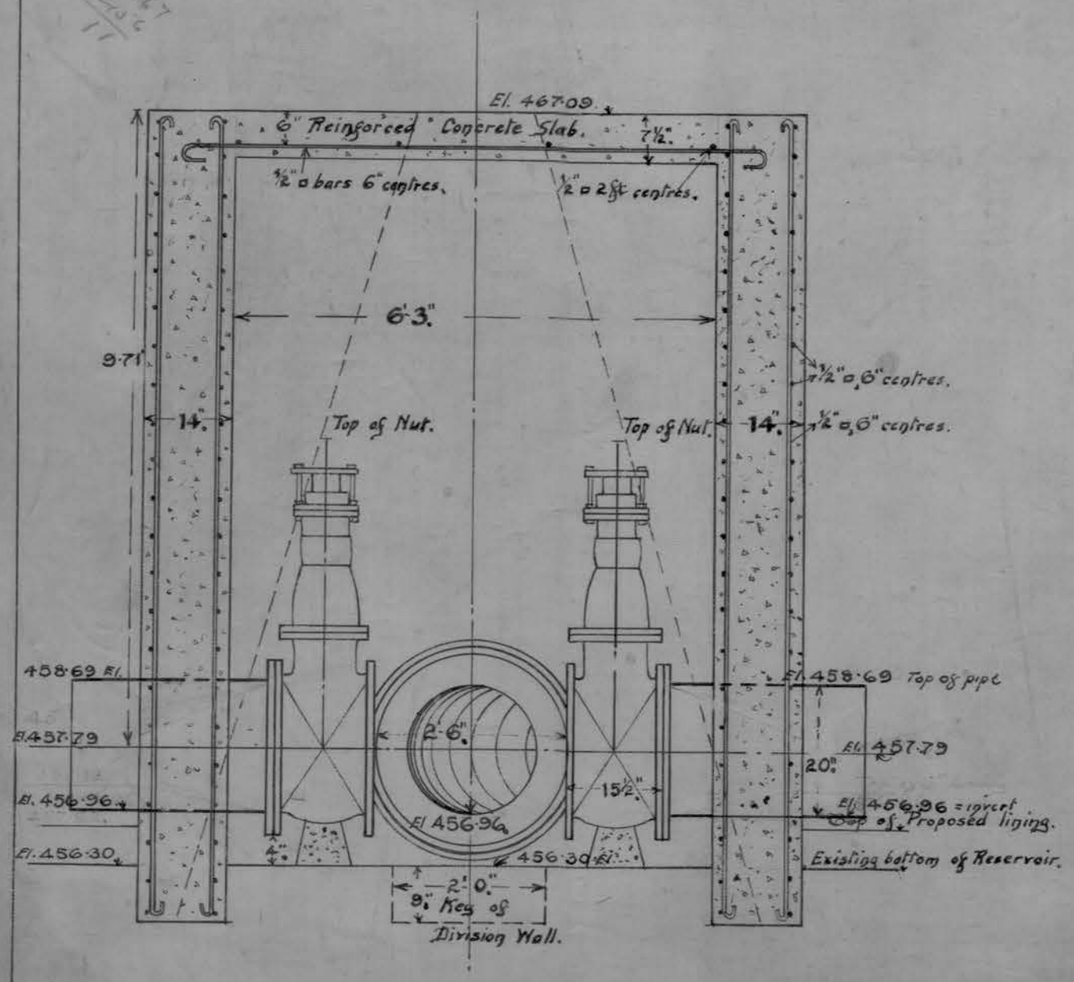
W.J.T.

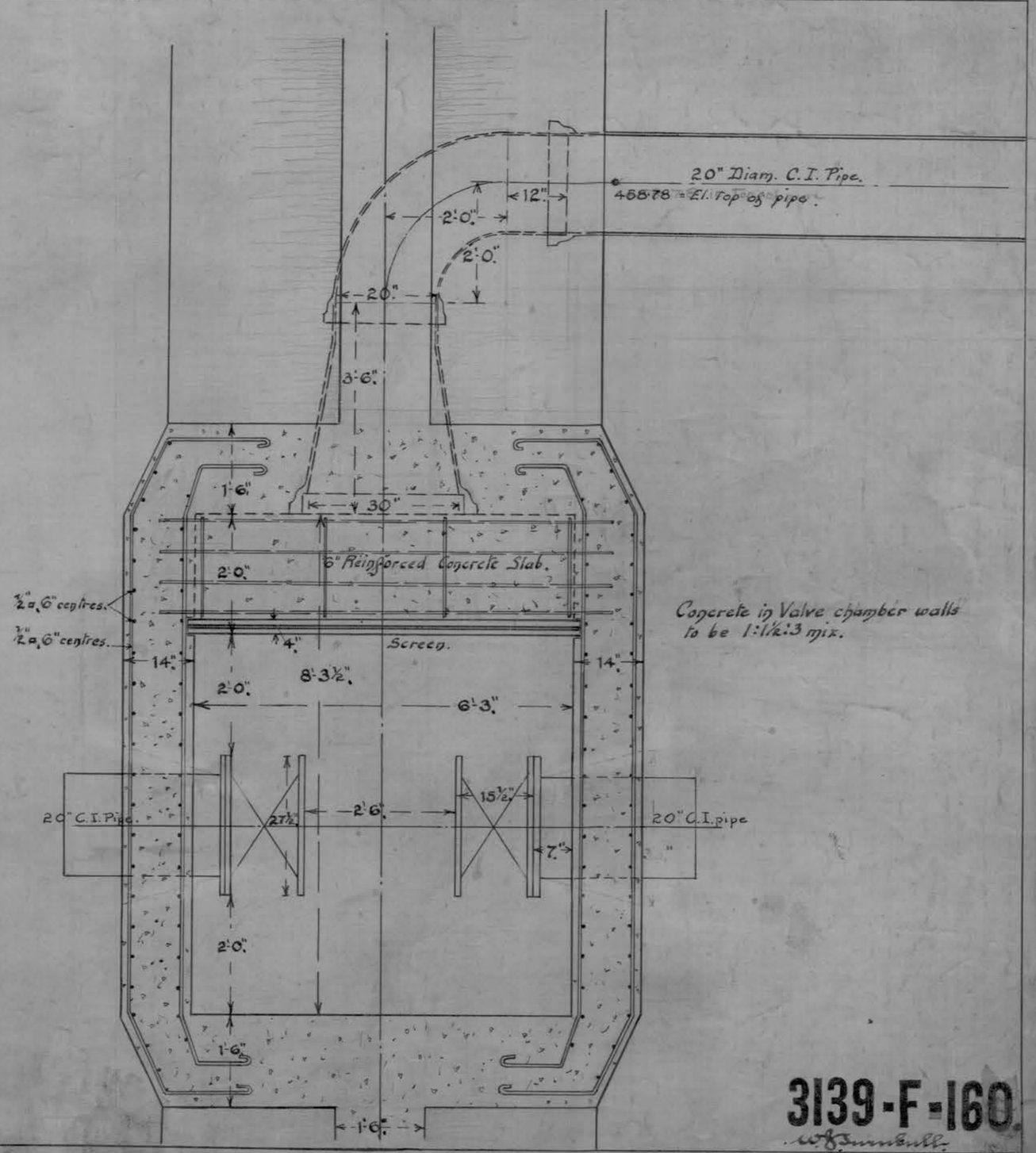
MONTREAL WATER & POWER CO.

COTE DES NEIGES RESERVOIR.

VALVE CHAMBER IN DIVISION WALL.

Scale ½" = 1 ft. April 10th 1924.





Concrete in Valve chamber walls to be 1:1½:3 mix.

W.F.T.

3139-F-160.

W.F. Tunnell