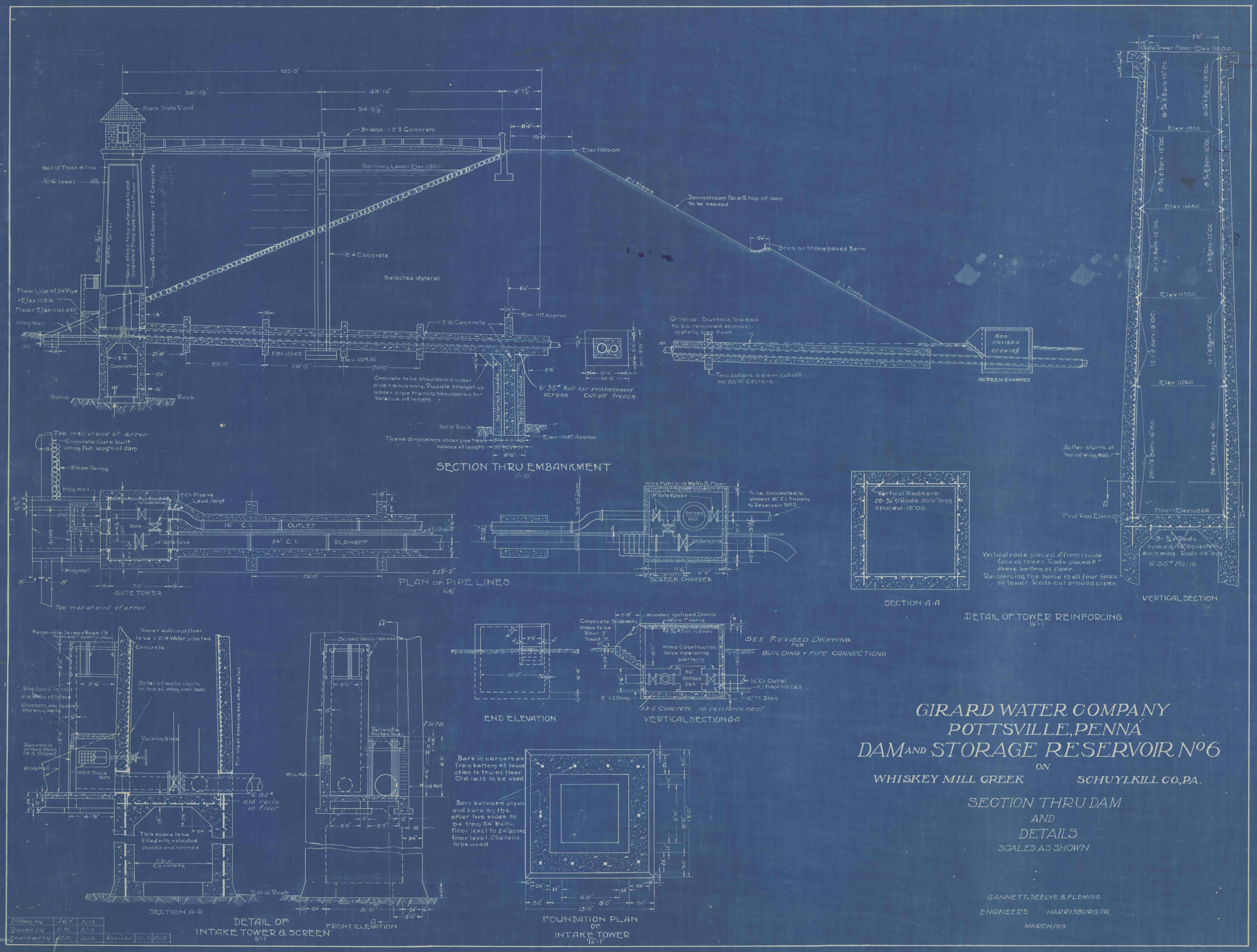
105'-5"
50'-11½"
45'-10"
8'-7½"
54'-5½"
Black Slate Roof
Bridge - 1:2:3 Concrete
8'-0"
16'-0"
Elev. 1160.00
Spillway Level = Elev. 1155.0
Wall 12" Thick at top
16"x6" Inset
Batter ¾" to 1'
Batter ½" to 1'
Valve stems to be extended to and operated from Gate House Floor
Tower & Intake Chamber 1:2:4 Concrete
1:2:4 Concrete
Selected Material
2:1 Slope
Downstream face & top of dam to be seeded
5'-0"
Brick or Stone paved Berm
2:1 Slope
Flow Line of 24" Pipe = Elev. 1113.0
Floor Elev. = 1112.625
Wing Wall
1:3:5 Concrete
Solid Rock
Elev. 1111.00
Elev. 1109.50
Elev. 1117 Approx.
1:3:6 Concrete
Concrete to be shouldered under pipe trench only. Puddle straight up under pipe trench, shouldered for balance of length.
6-35# Rail for reinforcement across cut-off trench
Original Surface Top Soil to be removed approximately one foot
Two collars below cutoff on 30'-0" Centers.
See Revised Drawing
SCREEN CHAMBER
Solid Rock
These dimensions under pipe trench
balance of length
Elev. 1087 Approx.
SECTION THRU EMBANKMENT
1" = 10'
Toe wall at end of apron
Concrete Curb built along full length of dam
Slope Paving
Wing Wall
C.I. Sleeve Lead Joint
To Gate Valve
Drain
16" C.I. OUTLET
24" Gate Valve
24" C.I. BLOWOFF
3" C.I. Drain
225'-2"
GATE TOWER
PLAN OF PIPE LINES
1" = 6'
Wire Fabric in Walls & Floor
16" Gate Valves
To be connected to present 16" C.I. Supply to Reservoir No. 5
Screen Pot
24" Gate Valve
SCREEN CHAMBER
Vertical Rods are 28-¾" ⌀ Rods 30'-0" long Spaced 18" O.C.
SECTION A-A
Gate Tower Floor = Elev. 1160.0
6-¾" ⌀ Bars 15" O.C.
Elev. 1152.0
8-¾" ⌀ Bars 12" O.C.
Elev. 1144.0
9-1" ⌀ Bars 12" O.C.
Elev. 1135.0
12-1" ⌀ Bars 9" O.C.
Elev. 1126.0
26-1" ⌀ Bars 6" O.C.
Batter starts at top of Wing Wall
Floor = Elev. 1112.65
First Rod Elev. 1112.0
9-¾" ⌀ Rods spaced 13" on center each way. Rods 11'-6" long
6-3.5# Rails
Vertical rods placed 3" from inside face of tower. Rods placed 3" above bottom of floor.
Reinforcing the same in all four faces of tower. Rods cut around pipes.
VERTICAL SECTION
DETAIL OF TOWER REINFORCING
¼" = 1'
Removable Screen Rods 1" ⌀ Spaced 1" apart in clear
Tower walls and floor to be 1:2:4 Water proofed Concrete
Batter of walls starts at top of wing wall level.
Wire fabric in roof and walls of intake chambers, also in apron and wing walls.
Packing Gland
Removable Screen Rods 1" ⌀ & ½" apart
Wing Wall
15"x15" Sluice Gate
For steel spacing see other detail
6-3.5# old rails in Floor
This space to be filled with selected puddle and rammed
1:3:5 Concrete
Solid Rock
SECTION A-A
Screen Rods removable
Removable Screen Rods
Flats
Wing Wall
FRONT ELEVATION
DETAIL OF INTAKE TOWER & SCREEN
¼" = 1'
Wooden Inclined Doors
Wire Fabric
Concrete Sidewall
Steps to be Riser 7" Tread 9"
Wood Construction Valve operating platform
Screen Pot
16" C.I. Outlet
R.L. floor 1107.63
3" C.I. Drain
6" T.C. Drain
1:3:5 Concrete no reinforcement
VERTICAL SECTION A-A
SEE REVISED DRAWING FOR BUILDING + PIPE CONNECTIONS
END ELEVATION
Bars in corners are from bottom of foundation to top of floor. Old rails to be used
Bars between pipes and bars on the other two sides to be from 24" below floor level to 24" above floor level. Old rails to be used
FOUNDATION PLAN OF INTAKE TOWER
1/4" = 1'
GIRARD WATER COMPANY
POTTSVILLE, PENNA
DAM AND STORAGE RESERVOIR No. 6
ON
WHISKEY MILL CREEK
SCHUYLKILL CO., PA.
SECTION THRU DAM
AND
DETAILS
SCALES AS SHOWN
GANNETT, SEELYE & FLEMING
ENGINEERS
HARRISBURG, PA.
MARCH, 1919
Drawn by J.G.K. 3/19
Traced by E.B. 3/19
Checked by J.G.K. 4/19
Revised C.L.H. 6/19