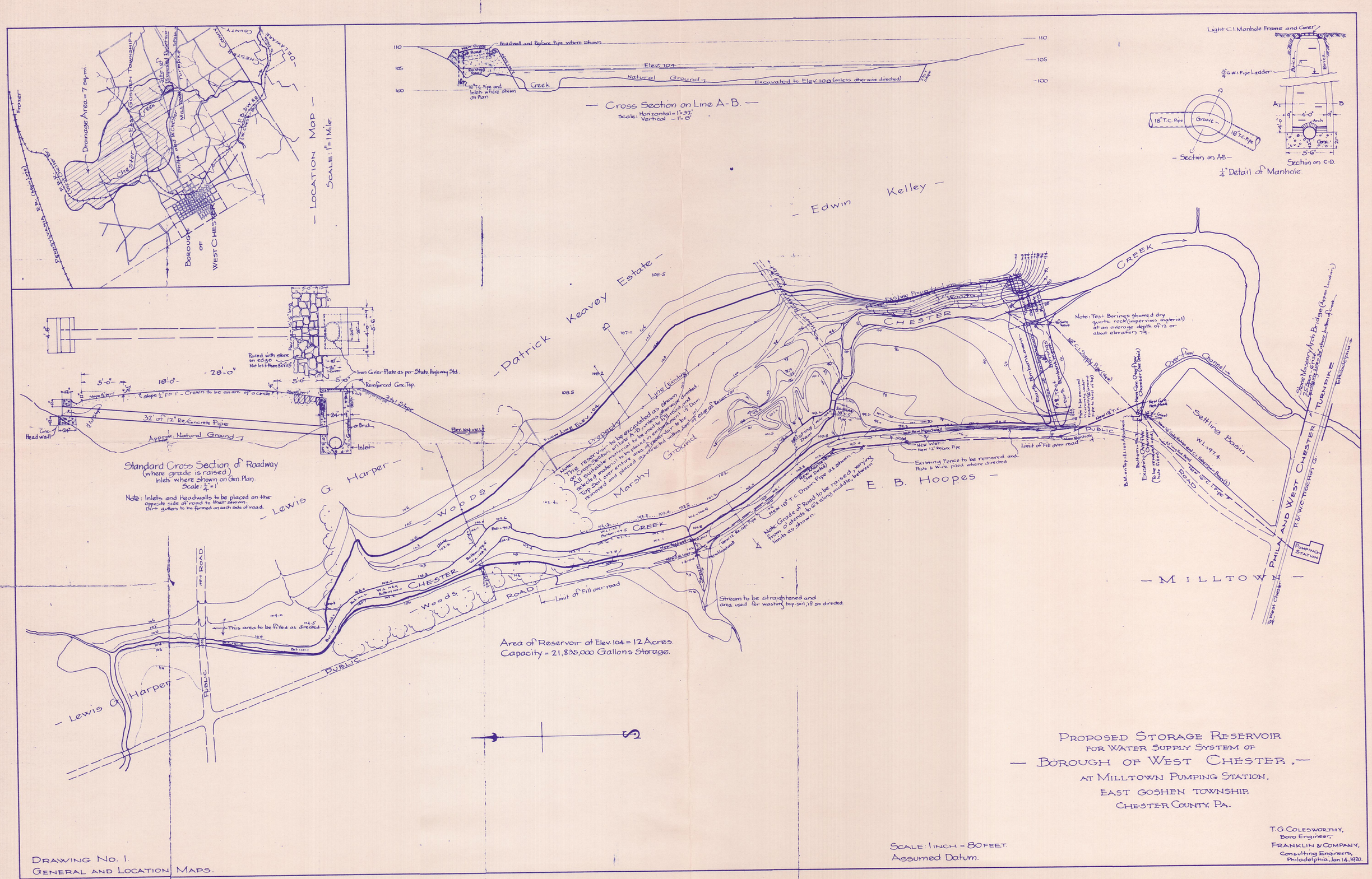
— Location Map —
Scale: 1" = 1 Mile
Drainage Area = 7.84 mi
Chester Creek
East Goshen Township
Borough of West Chester
Pennsylvania R.R.
P.B. & W. R.R.
Cross Section on Line A-B.
Scale: Horizontal = 1" = 32'
Vertical = 1" = 8'
Elev. 104
Natural Ground
Excavated to Elev. 100 (unless otherwise directed)
Headwall and Rip-rap Pipe where shown
18" T.C. Pipe and Inlets where shown on Plan
Light C.I. Manhole Frame and Cover
G.W.I. Pipe Ladder
18" T.C. Pipe
Groove
Section on AB
Section on C-D.
1/4" Detail of Manhole
Patrick Keavey Estate
Edwin Kelley
Lewis G. Harper
E. B. Hoopes
Woods
Marshy Ground
Chester Creek
Woods
Public Road
Settling Basin
Overflow Channel
Philadelphia and West Chester Turnpike
Milltown
Pumping Station
Note: Test Borings showed dry quartz rock (impervious material) at an average depth of 12' or about elevation 74.
Existing Property Line
Existing Fence to be removed and Posts & Wire piled where directed
Limit of Fill over road
Stream to be straightened and area used for wasting top-soil, if so directed.
Note: Grade of Road to be raised, varying from 0' at ends to 6' along middle, between limits as shown.
Note: The reservoir to be excavated as shown on Cross Section on Line A-B unless otherwise directed. All suitable material to be used in the embankments. Top soil over entire area of reservoir to be removed and piled on embankments of Dam. Trees placed on reservoir bottom to be cut off at Elev. 104 and removed within 100' of edge of Reservoir.
Area of Reservoir at Elev. 104 = 12 Acres.
Capacity = 21,835,000 Gallons Storage.
Standard Cross Section of Roadway
(where grade is raised)
Inlets where shown on Gen. Plan.
Scale: 1/4" = 1'
Note: Inlets and Headwalls to be placed on the opposite side of road to that shown. Dirt gutters to be formed on each side of road.
32' of 12" Re-Concrete Pipe
Approx. Natural Ground
Slope 1:1
Crown to be an arc of a circle
Paved with stone on edge
Iron Cover Plate as per State Highway Std.
Reinforced Conc. Top.
Inlet
Headwall
Scale: 1" = 80 Feet
Assumed Datum.
Proposed Storage Reservoir
for Water Supply System of
— Borough of West Chester, —
at Milltown Pumping Station,
East Goshen Township,
Chester County, Pa.
T. G. Colesworthy,
Boro Engineer;
Franklin & Company,
Consulting Engineers,
Philadelphia, Jan. 14, 1920.
Drawing No. 1.
General and Location Maps.