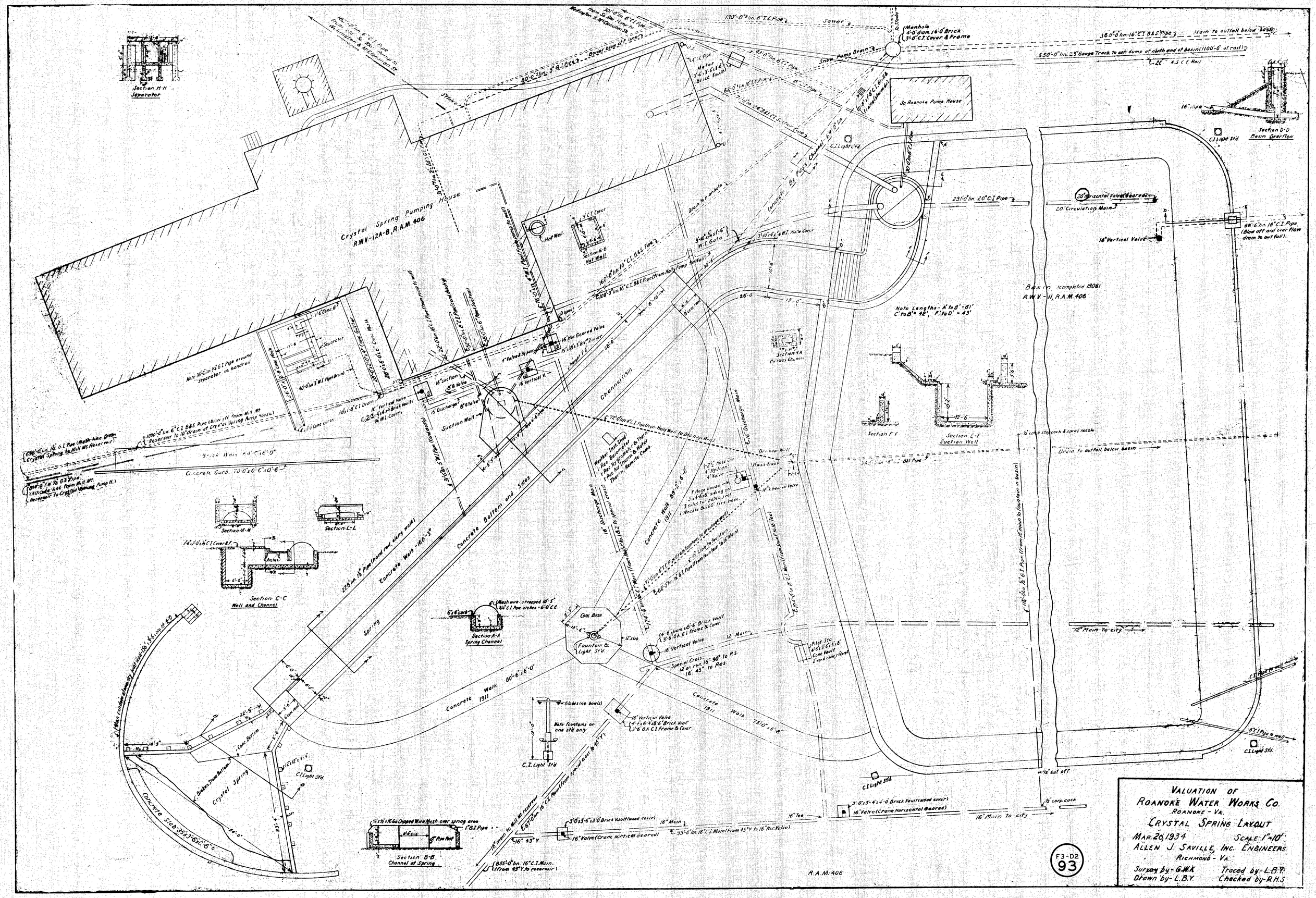
Section H-H
Separator
Crystal Spring Pumping House
R.W.V.-12A-B, R.A.M. 406
Hot Well
Section G
Hot Well
Separator
Suction Well
Channel (Sill)
Section K-K
Section F-F
Section E-E
Suction Well
Section M-M
Section L-L
Section C-C
Well and Channel
Section A-A
Spring Channel
Section B-B
Channel of Spring
Concrete Walk 1911
Concrete Bottom and Sides
Spring
Crystal Spring
Concrete Slab
So. Roanoke Pump House
Section D-D
Basin Overflow
Basin (completed 1906)
R.W.V.-11, R.A.M. 406
Note Lengths - A' to B' = 61'
C' to D' = 42', E' to D' = 43'
Drain to outfall below basin
Sewer
Snow Pump Drain
Train to outfall below basin
Concrete Walk 1911
Fountain & Light Std.
Conc. Base
C.I. Light Std.
Note fountains on one std only
Concrete Walk 75'-0"x5'-0"
Concrete Walk 80'-6"x6'-0"
Concrete Walk 80'-6"x6'-0"
12" Main to city
16" Main to city
16" Vertical Valve
Special Cross 12" on run, 16" 90° to P.S. 16" 45° to Res.
16" Vertical Valve
4'-6" diam x 6'-6" Brick Vault
3'-6" O.A. C.I. Frame & Cover
Pilot Sta.
4'x3'6"x3'0"
Cone Vault
2" wood cover, iron
16" Valve (Crane Horizontal Geared)
3'-0"x3'-6"x3'-0" Brick Vault (wood cover)
16" Valve (Crane Vertical Geared)
16" Main
93'-0" lin. 16" C.I. Main (From 45° Y to 16" Hor. Valve)
16" Tee
16" corp. cock
16" cut off
16" Main to city
16" Valve (Crane Horizontal Geared)
3'-0"x3'-6"x3'-0" Brick Vault (wood cover)
16" Main
16" Valve (Crane Vertical Geared)
16" 45° Y
16" main to Mill Mt. reservoir
855'-0" lin. 16" C.I. Main. (From 45° Y to reservoir)
Concrete Slab 85'-3"x5'-6"x6"
Section A-A
Section B-B
Section C-C
Section D-D
Section E-E
Section F-F
Section K-K
Section L-L
Section M-M
Section G
Section H-H
Valuation of
Roanoke Water Works Co.
Roanoke - Va.
Crystal Spring Layout
Mar. 26, 1934
Scale: 1" = 10'
Allen J. Saville, Inc. Engineers
Richmond - Va.
Surveyed by - G.W.K.
Drawn by - L.B.Y.
Traced by - L.B.Y.
Checked by - R.H.S.
F3-D2
93
R.A.M. 406