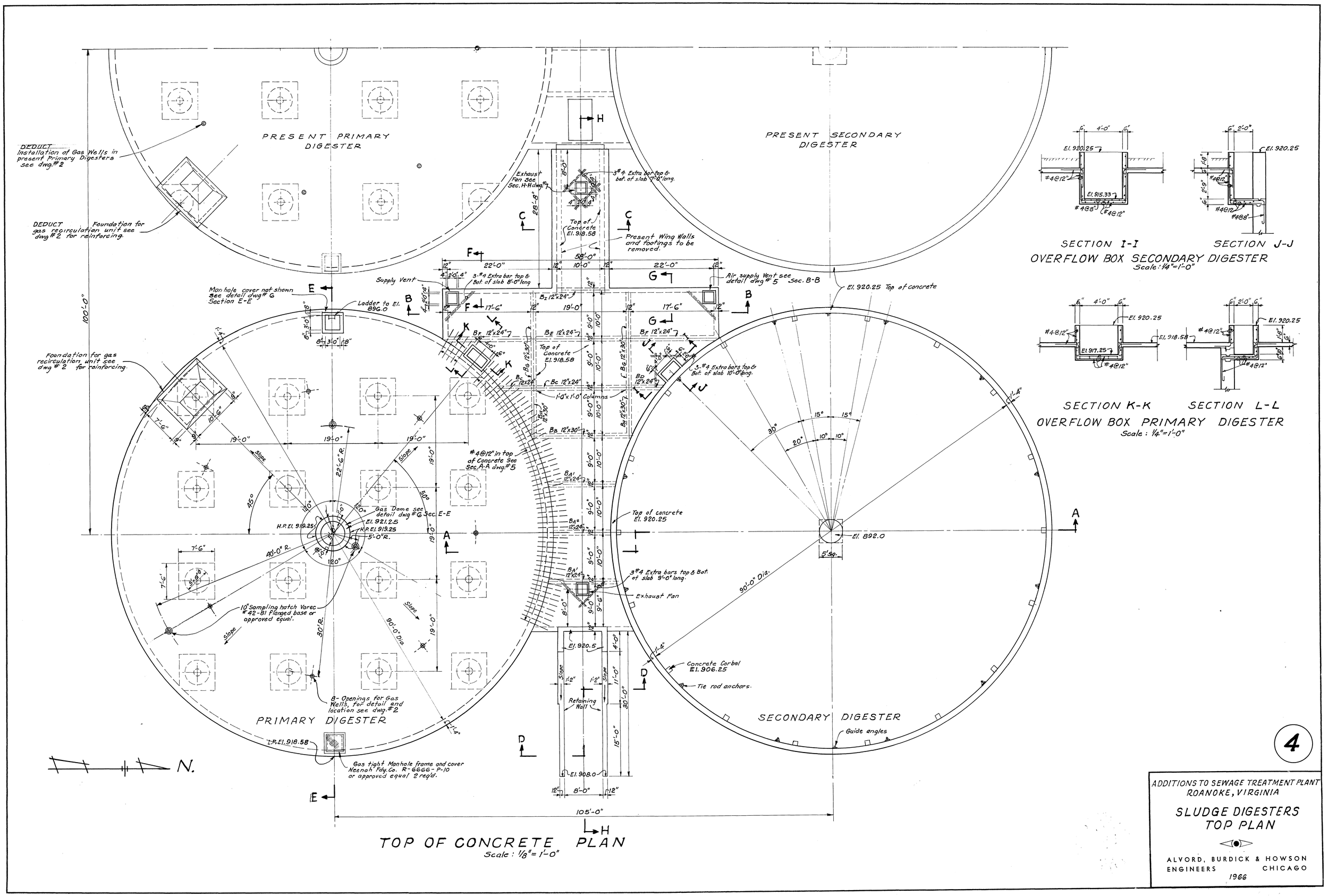
PRESENT PRIMARY DIGESTER
PRESENT SECONDARY DIGESTER
DEDUCT Installation of Gas Wells in present Primary Digesters see dwg. #2
DEDUCT Foundation for gas recirculation unit see dwg #2 for reinforcing.
Exhaust Fan See Sec. H-H dwg. #7
3-#4 Extra bar top & bot. of slab 7'-0" long.
Top of Concrete El. 918.58
Present Wing Walls and footings to be removed.
Supply Vent
3-#4 Extra bar top & Bot. of slab 8'-0" long
Air supply Vent see detail dwg # 5 Sec. B-B
El. 920.25 Top of concrete
Man hole cover not shown See detail dwg # 6 Section E-E
Ladder to El. 896.0
Foundation for gas recirculation unit see dwg # 2 for reinforcing.
3-#4 Extra bars top & Bot. of slab 10'-0" long.
1'-0" x 1'-0" Columns
#4@12" in top of Concrete See Sec. A-A dwg. #5
Gas Dome see detail dwg # 6 Sec. E-E
H.P. El. 919.25
L.P. El. 918.58
5'-0" R.
40'-0" R.
10" Sampling hatch Varec # 42-B1 Flanged base or approved equal.
8- Openings for Gas Wells, for detail and location see dwg. #2
PRIMARY DIGESTER
Gas tight Manhole frame and cover Neenah Fdy. Co. R-6666-P-10 or approved equal 2 req'd.
Top of concrete El. 920.25
3-#4 Extra bars top & Bot. of slab 9'-0" long.
Exhaust Fan
El. 920.5
Concrete Corbel El. 906.25
Tie rod anchors.
Retaining Wall
El. 908.0
El. 892.0
90'-0" Dia.
SECONDARY DIGESTER
Guide angles
N.
105'-0"
100'-0"
58'-0"
22'-0"
10'-0"
17'-6"
19'-0"
28'-8"
22'-6" R.
30' R.
TOP OF CONCRETE PLAN
Scale: 1/8" = 1'-0"
El. 920.25
#4@12"
El. 915.33
#4@8"
SECTION I-I
SECTION J-J
OVERFLOW BOX SECONDARY DIGESTER
Scale: 1/4" = 1'-0"
El. 917.25
El. 918.58
SECTION K-K
SECTION L-L
OVERFLOW BOX PRIMARY DIGESTER
Scale: 1/4" = 1'-0"
4
ADDITIONS TO SEWAGE TREATMENT PLANT
ROANOKE, VIRGINIA
SLUDGE DIGESTERS
TOP PLAN
ALVORD, BURDICK & HOWSON
ENGINEERS CHICAGO
1966