

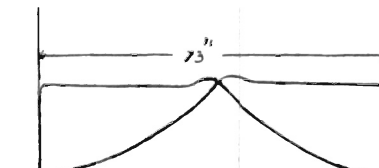
TABLE "A."

Table with multiple columns: From Ejector Station, To Ejector Station, Number of Acres, Estimated Prospective Population, Maximum Dry Weather Flow, Volume of Rainfall, Combined Maximum Discharge, Capacity of each, Capacity of Sewage Sub-Main to Delivery Main, Size of Delivery Main, Size of Air Main, Length of Sewage Main to Delivery Main, Length of Delivery Main, Length of Air Main, Approximate Velocity in Sewage and Delivery Main, Dead Lift, Friction in Sewage Main, Friction in Delivery Main, Friction in Air Main, Total Lift, H.P. corresponding to Maximum Lift.

TABLE "B."-- Double Bay Low Level Sewerage.

Table with columns: EJECTORS, COMPRESSORS AND MOTORS, LINE, EFFICIENCIES. Includes sub-columns for Station, Capacity, No. of times Discharged, No. of Foot pounds of work done, Dead Lift, Total No. of Gallons Lifted, Total number of Foot-pounds of work done, Total Horse Power hours of Ejectors, No. of Compressors, Diam. of Piston Rod, Revolutions per Minute, Pressure in Receiver, Mean Total I.H.P., Total Horse Power hours of Compressor, Total No. of Units used, Loss on Line, Efficiency of Line, Efficiency of Motors and Shafting, Efficiency of Compressor, Efficiency Loss through drop in Temperature, Net Results Efficiency of Motors and Compressor, Efficiency of Ejectors, Resultant Efficiency.

*NOTE:--This figure was obtained at full load, and would be reduced during test while efficiency of compressor would be relatively increased.



NOTE:--Areas and M.E.P. taken out by Planimeter Scale 20

TABLE "C."

Sydney and Suburbs Low Level Drainage--Table of Stations and Work to be done by Pumps.

Table with columns: Number of Station, Locality, Reduced Level of Low Level Sewer at Pumping Station, Reduced Level of Centre of Inlet to Gravitation sewer, Reduced Level of Point of Tank, Reduced Level of Point of Tank higher than bottom of Tank, Reduced Level of Point of Tank lower than top of Tank, Direct Lift in Feet, Direct Lift in Feet Minimum, Lift including Friction, Lift including Friction Minimum, Cubic feet per minute flowing into Tank, Cubic feet per Minute to be produced at Velocity in Rising Mains, Diameter of Main--Inches, Length of Main--Feet, Actual H.P. required to raise Sewage, H.P. required to produce 4c. Suction Velocity in Rising Mains.

TABLE "D."

Table with columns: Air Main From, Cub. feet of dir. to displace Sewage per minute, Velocity in Main, Area Main sq. ins., Diam. Main inches, Length of Main, Cost of Mains laid 3 feet below surface, half Rock half Soil.

TABLE "E"--HYDRAULIC MAINS.

Table with columns: Main from, H.P., Diam. of Main, Length of Main, Cost of Mains laid 3ft below Surface, half Rock, half Soil. Includes sub-columns for P.S. to Branch 1, Branch 1 to Branch 2, etc.

TABLE "F."

Table with columns: Station No., Duty to be Performed, Gallons to be lifted per Annum, Max. lift in Friction due to quantity of Sewage lifted, B.T. Units of work performed per Annum, Guaranteed Efficiency, Drop in line, Absolute Efficiency at Sub-station, B.T. Units required at Generating Station, Cost of Energy at 1d per B.T. Unit.

Total H.P. registered to lift quantity of Sewage flowing in = 134. Total H.P. registered to produce 4 feet per sec. velocity in rising Mains = 191. Cost for 134 H.P. £3,549 18s. Cost for 191 H.P. £5,060.

TABLE "G."

Table with columns: Number of Station, Diameters and Strokes of Plungers, Revolutions of Pumps per Minute, Revolutions of Motors per Minute, Capacity of Pumps in Cubic feet per Minute, Diameter of rising Mains, Combined Efficiencies of Motors and Pumps, H.P. Regd. at full load.

TABLE "H."

Electrical Memoranda re Pumping Stations--Giving the locality of Stations, the normal working current, the approximate distances from controlling station and approximate size of cables.

Table with columns: No. of Station, Locality of Pumping Station, Normal Load in Amperes, Positive Mains (Underground, Overhead), Miles, Size of Cables.