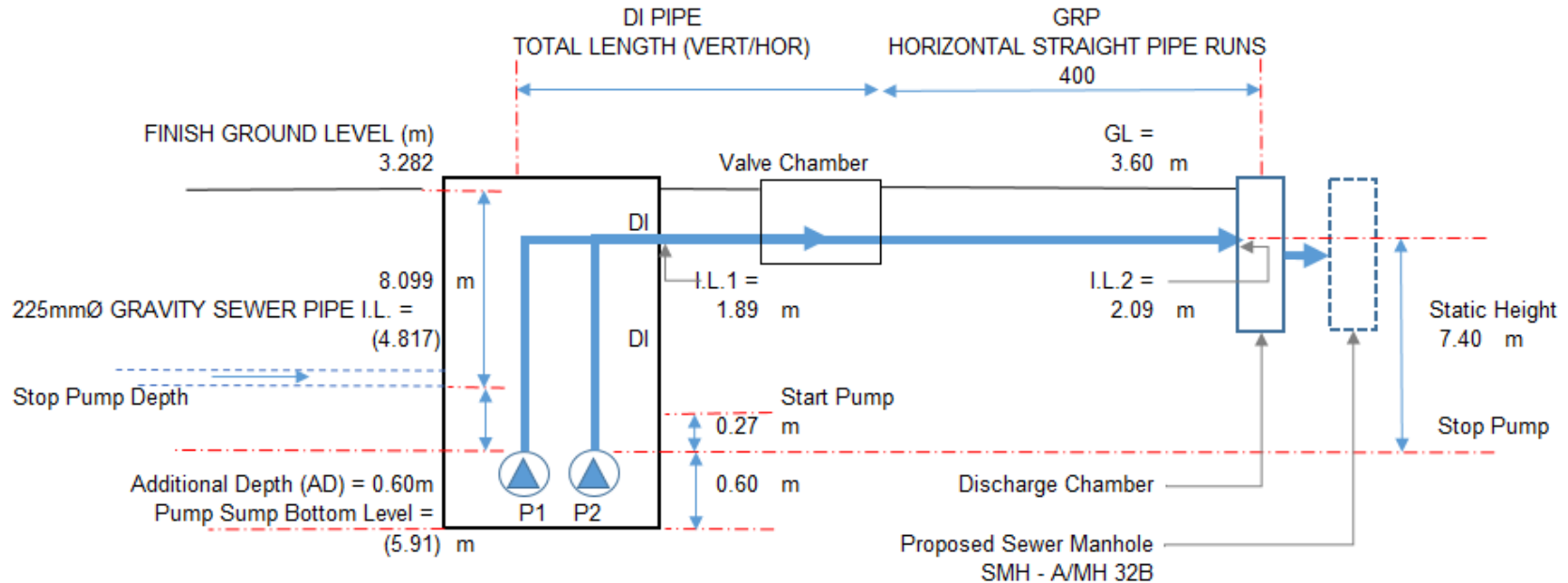




Sewage Lift Pump Station Calculation

SCHEMATIC DIAGRAM:



DESIGN CALCULATION:

BASIC INFORMATION

Liquid:	Water
Flow Rate :	8.27 Lps
	29.77 m ³ /hr
Density of water	1,030.00 kg/m ³
Gravity	9.81 m/s ²
Temperature :	40.00 °C
1 bar =	9.90 m liq.
No. Duty Pump	1.00 No.
Assumed Velocity	1.25 m/s
k =	0.85 for SI units
C = Hazen Williams Coefficient	135.00 Unitless
Pipe Material	GRP
Diameter Nominal (DN)	125.00 mm
Pipe Material	DI PIPE
Pipe Diameter (DN)	100.00 mm