

MP-285 Sewage Treatment Device (STD)

Luke Campagnola 2011

Purpose:

- Allow PC to request position information while ROE is in use (ordinarily this crashes the MP-285)
- Set limits on the positions accessible via the ROE

Approach:

- Intercept all signals from the ROE with an Arduino 2560, forward signals on to the MP-285 after processing
- Intercept all serial communication between the PC and MP-285 to ensure ROE and serial data do not collide
- Count pulses as they arrive from the ROE to estimate the current position, allowing rapid position updates even while the ROE is in use

