Input Controls Cycle Mode: SEQ 0 - FILL SEQ 1 - DRAIN SEQ 2 - FLUSH SEQ 3 - HOME Button RequestCycle ONS RequestCycle -MOV Move 0 ONS Source Dest Cycle_Sequence 3 Cycle Mode: SEQ 0 - FILL SEQ 1 - DRAIN SEQ 2 - FLUSH SEQ 3 - HOME ONS ResetRequest Button CycleResetRequest -MOV Move -「ONS -1 Source 3 Dest Cycle Sequence 3 Sequence 0 - Go from home position to fill position. Stay there for 10 seconds. Cycle Position/Mode 0 = Home1 = Fill 2 = Drain 3 = FlushFill Position for 10 4 = Travelling seconds TON EQU-Equal Timer On Delay $\langle \mathsf{EN} \rangle$ Timer FillPosition_Delay Source A Cycle_Position 10000 Preset (DN)Source B 1 Accum 0 Cycle Mode: SEQ 0 - FILL SEQ 1 - DRAIN Fill Position for 10 SEQ 2 - FLUSH seconds SEQ 3 - HOME FillPosition_Delay.DN MOV Move 3 Source Dest Cycle_Sequence 3 Sequence 1 - Go from fill position to drain position. Drain water for 20 seconds. Cycle Position/Mode 0 = Home1 = Fill 2 = Drain Drain position for 3 = Flush 4 = Travelling 20 seconds TON -EQU-Timer On Delay (EN) Source A Cycle_Position Timer DrainPosition_Delay Preset 20000 (DN) 2 Source B Accum 0

Page 2

PLC2_Project_4_ServoApplication:MainTask:MainProgram Total number of rungs in routine: 8 C:\Users\Nicho\Documents\MEGA\PLCs\PLC-2-Course\Project 4\PLC2 Project 4 ServoApplication.ACD

27/07/2020 10:07:01 PM

Cycle Mode: SEQ 0 - FILL SEQ 1 - DRAIN Drain position for SEQ 2 - FLUSH 20 seconds SEQ 3 - HOME DrainPosition_Delay.DN -MOV-5 Move Source 2 Dest Cycle_Sequence Sequence 2 - Go from drain position to flush position. Flush for 10 seconds. Cycle Position/Mode 0 = Home 1 = Fill 2 = Drain 3 = Flush4 = Travelling -EQU--TON Equal Timer On Delay (EN) 6 Source A Cycle_Position Timer FlushPosition_Delay (DN) Preset 10000 Source B 3 Accum 0 Cycle Mode: SÉQ 0 - FILL SEQ 1 - DRAIN SEQ 2 - FLUSH SEQ 3 - HOME FlushPosition_Delay.DN -MOV 7 Move 3 Source Dest Cycle_Sequence (End)