C-M200-1 C-M200-2SEE DWG. 1-0103-ESLD-M001 SEE DWG. 1-0103-ESLD-M001 NOTES: FOR CABLE SIZING FOR CABLE SIZING LIFT PUMP M200PP MOTOR STARTER M200PP 1. VIBRATION AND TEMPERATURE MONITORING INSTRUMENT CONNECTIONS NOT SHOWN. FROM VFD T2 RAW SEWAGE PUMP 2 SEE DRAWINGS 1-0103-AILD-M003 AND 1-0103-AILD-M004 FOR INSTRUMENT 200HP, 720 RPM T3 FIELD WIRING CONNECTIONS. CA-M200-2 2. TERMINATIONS TO USE APPROPRIATELY SIZED FERRULES ONLY. 2C, 14 AWG, TECK, 600V MOTOR ROOM TB01 3. CAP, LABEL, AND COIL SPARE WIRES IN DCS TERMINATION CABINET. M2000-101M200 - 101DISCONNECT 101  $\neg$ DS-M200 4. THE CONTRACTOR IS RESPONSIBLE FOR VERIFYING ALL TERMINATION LOCATIONS AND INTERLOCK DISCONNECT M2000-106 INSTALLING WIRING FROM TERMINATIONS TO INDICATED DCS I/O. PROVIDE CONTROL (M200-106) STATUS 106 INTERLOCK CA-M200-3 RELAYS AND TERMINALS AS NEEDED. DCS CONTROL RELAYS NOT SHOWN. HSS-M2000-2 HSS-M2000-3 2C, 14 AWG, CIC, 300V M2000-101M200 - 101M200-101A M200-101A E-STOP **EMERGENCY** M2005-146 M200-110 M2000-110 110 M200-110 \_\_\_\_\_\_\_MOTOR ROOM M2005-146 SEAL WATER LOW SEAL WATER LINE LOW FLOW SWITCH M2005-147 FLOW SWITCH( M2005-147 FSL-M2005 147  $\sim\sim\sim$ CA-M200-4 M2005 - 148M2005-148 SEAL WATER LINE 148 SEAL WATER LINE FLOW 4C, 14 AWG, TECK, FLOW SWITCH SWITCH POWER SUPPLY POWER SUPPLY M2005-149 M2005-149 149 FSL-M2005 DCS CABINETS SEAL WATER M2004 - 139M2004-139 SEAL WATER 139 SOLENOID VALVE SOLENOID( FIELD TERMINATION PANEL B M2004-X2 VALVE? X2 XV-M2004 √ M2004−X2 PUMP ROOM TR07 M200 - 201M2007-701 M2007-701 DISCHARGE VALVE OPEN COMMAND M200-202M200 - 202CAB: 9, ROW: 2C FV-M200 DISCHARGE 701 6AX VALVE OPEN SIGNAL IN -· (SEE DRAWING M2007 - 702M2007-702 M200 - 203M200 - 203702 MANUAL CONTROL CA-M200-5 21 1-0103-EWDG-M008) MANUAL MODE STATUS SC. 14 AWG, TECK. M2007-122 VALVE IN ONLINE MODE M200 - 204M200 - 204CAB: 9, ROW: 2C 24 4AX 600V, 2C SPARE · (SEE DRAWING M2007 - 122M2007-123 M200 - 205M200 - 2051-0103-EWDG-M008) FV-M200 DISCHARGE □ 2A+ AUTO MODE STATUS FV-M200 CONTROL PANEL - LEVEL 300 ! M2007-123 VALVE IN ONLINE MODE \_\_\_\_\_\_\_\_\_\_\_ M200 - 206M200 - 206123 CAB: 9, ROW: 2C 2AX CA-M200-6 \_\_\_\_\_\_ M200-207M200 - 2074C, 14 AWG, TECK, TB01 □ 1A+ RUNNING FORWARD STATUS M2007-111 600V DISCHARGE VALVE OPEN COMMAND M200-208 M200 - 208STATION DISCHARGE 111 CAB: 9, ROW: 2C 1AX (SEE DRAWING VALVES PUMP 2 M2007 - 112M2007-112 M200 - 209M200 - 209PERMISSIVE SIGNAL 112 1-0103-EWDG-M006) RUNNING REVERSE STATUS CA-M200-7 M200 - 210M200 - 210CAB: 9, ROW: 2C 5AX 30C, 14 AWG, CIC. M200 - 201300V, 4C SPARE M200 - 211M200 - 211201 □ 3A+ VFD FAULT READY M200 - 202M200 - 212M200 - 212CAB: 9, ROW: 2C 202 3AX M200 - 203M200 - 213M200 - 213Ш 3A+ BEARING HIGH VIBRATION MANUAL MODE LOCKOUT ALARM M200 - 204M200 - 214M200 - 2143AX 204 CAB: 9, ROW: 1D M200 - 205M200 - 215M200 - 215BEARING HIGH TEMPERATURE 205 □ 4A+ LOCKOUT ALARM AUTO MODE M200 - 206M200 - 216M200 - 2164AX CAB: 9, ROW: 1D M200 - 207M200 - 217M200 - 217BEARING HIGH VIBRATION RUNNING FORWARD - WARNING ALARM M200 - 208M200-218 M200-218 7AX 208 CAB: 9, ROW: 1D M200 - 209M200 - 219M200 - 219BEARING HIGH TEMPERATURE □ 2B+ RUNNING REVERSE - WARNING ALARM M200 - 210M200 - 220M200 - 220210 2BX CAB: 9, ROW: 1D M200 - 211M200-221 M200 - 221LOW SEAL WATER FLOW ALARM VFD FAULT M200 - 212M200 - 222M200 - 222CAB: 9, ROW: 2C 212 M200 - 213213 L\_\_\_\_\_\_\_ BEARING HIGH VIBRATION LOCKOUT ALARM M200 - 607M200 - 214□□ 1A+ 214 DCS RUN FORWARD CMD M200 - 608M200-608M200 - 215CAB: 9, ROW: 2C1 215 BEARING HIGH TEMPERATURE LOCKOUT ALARM M200-609M200-609M200-216 □ 5B+ DCS RUN REVERSE CMD \_ \_ \_ \_ \_ \_ \_ \_ \_ \_ M200-610M200 - 610M200 - 217CAB: 9, ROW: 2C1 5B0 DCS RUN FORWARD CMD M200 - 218218 ↑ M200-300+ M200 - 300 +M200 - 2193+ DCS SPEED COMMAND DCS RUN REVERSE CMD M200 - 300 +M200 - 300 -M200 - 220M200 - 300 -M200 - 219DCS SPEED COMMAND 221 SEAL WATER FAIL ALARM M200 - 220300S 222 M200 - 301 + f $\Lambda$  M200-301+ M200 - 301 +301+ 1+ TB06 DCS SPEED FEEDBACK M200-607M200 - 301 -M200 - 301 -DCS SPEED FEEDBACK 301-BEARING HIGH VIBRATION WARNING ALARM M200-608 301S CA-M200-8 M200 - 609M200 - 302 + IM200 - 302 +302+ 5PR, 14 AWG, CIC, BEARING HIGH TEMPERATURE WARNING ALARM DCS CURRENT FEEDBACK M200-610 M200 - 302 -300V, 2PR SPARE M200 - 302 -DCS CURRENT FEEDBACK 302-302S \_\_\_\_\_\_ CONTROL ROOM - LEVEL 400 ELECTRICAL ROOM - LEVEL 400 \_\_\_\_\_\_ engineer's seal THE CITY OF WINNIPE WATER AND WASTE DEPARTMENT a division of Englobe DESIGNED BY: PERIMETER ROAD PUMPING STATION J.A.S., R.G.O. R.G.0 2024 UPGRADES APPROVED BY: R.G.O. MOTOR STARTER CONNECTION DIAGRAM N.O.W., J.A.S. GEOSCIENTISTS RELEASED FOR CONSTRUCTION PUMP M200PP **MANITOBA** NOT TO SCALE Certificate of Authorization ISSUED FOR ADDENDUM 1 | 2024-07-09 | J.A.S. | R.G.O. | JULY 9, 2024 MPE, a division of Englobe Corp. CITY DRAWING NUMBER SHEET REV. SIZE 2024-06-20 J.A.S. R.G.O. CONSULTANT NO.: 00 ISSUED FOR CONSTRUCTION No. 4968 Date: JULY 9, 2024 REV 01 DRAWING NUMBER REFERENCE DRAWINGS DESIGN CHECK NO. | REVISIONS DATE

1-0103-EWDG-M004-001-PC.dwg