



NOTES: (for this sheet)

(N1) DOWNHOLE CONTROL VALVE.

REFER TO CONTROL NARRATIVE FOR ADDITIONAL INFORMATION

INSTRUMENT LINE SYMBOLS

- PROCESS OR DEVICE CONNECTION
- - - ELECTRICAL SIGNAL
- A - A - A - A - A - A - ANALOG MILLIAMP SIGNAL
- L - L - L - L - L - L - L - HYDRAULIC SIGNAL
- EN - EN - EN - EN - EN - ETHERNET

INSTRUMENT, MECHANICAL AND VALVE KEY SYMBOLS

- PUMP
- PILOT LIGHT
- MOTOR
- 3-WAY ACTUATING SOLENOID (ARROW INDICATES DE-ENERGIZED STATE)
- LINEAR POTENTIOMETER
- CHECK VALVE

PNEUMATIC SYMBOLS

- QUICK DISCONNECT WITH CHECKS CONNECTED

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REV#	DESCRIPTION	BY	DATE
0	O & M MANUAL		

ENGR RECORD	DATE	SCALE
BY	11/11/17	ONE INCH AT FULL SIZE
DRAWN	MFJ	AT FULL SIZE
DESIGNED	MFJ	IF NOT ONE INCH SCALE ACCORDINGLY
CHECKED	MFJ	SCALE
PROJ. ENG	11/11/17	NONE
APPROVED		

PROJECT	MADISON FARMS
TITLE	PROCESS AND INSTRUMENTATION DIAGRAM

PROCESS AND INSTRUMENTATION DIAGRAM
NOT TO SCALE

1
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LEGEND

* PLC INPUTS AND OUTPUTS ARE AVAILABLE FOR PLC PROGRAMMING AND TRENDRING

PROJECT NO:	117103
ACAD FILE NAME:	117103-1-02
SHEET:	REV:
DRAWING NUMBER	1-02