

**RTU SCADA PANEL POWER
SIMPLIFIED SCHEMATIC**

NORTHSHORE LIFT STATION SCADA/RTU INPUT/OUTPUT TABLE				
TAG DESCRIPTION	I/O TYPE	FUNCTION	FIELD DEVICE	COMMENTS
WET WELL LEVEL	A/I	MONITOR	SUBMERSIBLE TRANSMITTER	
WET WELL HIGH LEVEL	A/I	ALARM	SUBMERSIBLE TRANSMITTER	
WET WELL HIGH HIGH LEVEL	D/I	CONTROL	FLOAT SWITCH	TURN PUMPS ON
WET WELL LOW LEVEL	A/I	ALARM	SUBMERSIBLE TRANSMITTER	
WET WELL LOW LEVEL CUTOFF	D/I	CONTROL	FLOAT SWITCH	TURN PUMPS OFF
FLOAT SWITCH ON FLOATS POSITION	D/I	ALARM	RELAY MONITORING SWITCH	
PUMP NO. 1	D/I	STATUS	STARTER RELAY	PUMPS RUNNING/OFF
PUMP NO. 2	D/I	STATUS	STARTER RELAY	PUMPS RUNNING/OFF
PUMP NO. 1 HIGH TEMP SHUTDOWN	D/I	ALARM	MOTOR OVERLOAD OR THERMAL MINI-CAS	
PUMP NO. 1 LEAKAGE ALARM	D/I	ALARM	PUMP MOTOR MOISTURE RELAY	MINI-CAS II OR EQUAL
PUMP NO. 1 H-O-A IN OFF	D/I	ALARM	H-O-A SWITCH	
PUMP NO. 2 HIGH TEMP SHUTDOWN	D/I	ALARM	MOTOR OVERLOAD OR THERMAL MINI-CAS	
PUMP NO. 2 LEAKAGE ALARM	D/I	ALARM	PUMP MOTOR MOISTURE RELAY	MINI-CAS II OR EQUAL
PUMP NO. 2 H-O-A IN OFF	D/I	ALARM	H-O-A SWITCH	
PHASE BALANCE/VOLTAGE	D/I	CONTROL/ALARM	PHASE BALANCE/VOLTAGE RELAY	
POWER FAILURE	D/I	ALARM	RTU	PART OF SCADA
SPD	D/I	ALARM	SPD ALARM CONTACT	
POWER MONITORING UNIT	A/I	MONITOR	POWER MONITOR OPTION CARD	KW
POWER MONITORING UNIT	A/I	MONITOR	POWER MONITOR OPTION CARD	VOLTS
POWER MONITORING UNIT	A/I	MONITOR	POWER MONITOR OPTION CARD	POWER FACTOR
POWER MONITORING UNIT	A/I	SPARE	POWER MONITOR OPTION CARD	SPARE
PUMP CONTROL PANEL	D/I	ALARM	LIMIT SWITCH	

GENERAL NOTES:

1. ANALOG OUTPUT FROM PUMP CONTROLLER (MPE SC2000).
2. WET WELL CONTROL PANEL AND SCADA-RTU SHALL BE IN SAME PANEL.
3. RTU SHALL BE PROVIDED BY CITY SYSTEM INTEGRATOR.

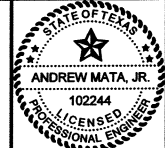
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BY MH DATE 06/08/15

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CITY OF ROCKWALL, TEXAS
NORTHSHORE LIFT STATION
ELECTRICAL SCADA RTU I/O TABLE



Andrew Mata, Jr.
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20