

CONTROL PANEL DIGITAL OUTPUTS - TB00					
INTO CONTROL PANEL			OUT OF CONTROL PANEL		
ORIGINATION	WIRE *	TERM *	WIRE *	DESTINATION	DESCRIPTION OF INPUTS
RELAY MP1	4A	4A	MP1-14	MP1-DI-14	PUMP 1 AUTO CALL
RELAY MP1	4B	4B	MP1-7	MP1-DI-7	PUMP 1 AUTO CALL
RELAY MP2	13	13	MP2-14	MP2-DI-14	PUMP 2 AUTO CALL
RELAY MP2	13A	13A	MP2-7	MP2-DI-7	PUMP 2 AUTO CALL
RELAY MP3	22	22	MP3-14	MP3-DI-14	PUMP 3 AUTO CALL
RELAY MP3	22A	22A	MP3-7	MP3-DI-7	PUMP 3 AUTO CALL
RELAY MP4	31	31	MP5-14	MP5-DI-14	PUMP 4 AUTO CALL
RELAY MP4	31A	31A	MP5-7	MP5-DI-7	PUMP 4 AUTO CALL
RELAY MP5	40	40	MP5-14	MP5-DI-14	PUMP 5 AUTO CALL
RELAY MP5	40A	40A	MP5-7	MP5-DI-7	PUMP 5 AUTO CALL
RELAY MP6	49A	49A	MP6-14	MP6-DI-14	PUMP 6 AUTO CALL
RELAY MP6	49B	49B	MP6-7	MP6-DI-7	PUMP 6 AUTO CALL
RELAY MP7	55	55	MP7-14	MP7-DI-14	PUMP 7 AUTO CALL
RELAY MP7	55A	55A	MP7-7	MP7-DI-7	PUMP 7 AUTO CALL
RELAY MP8	67	67	MP8-14	MP8-DI-14	PUMP 8 AUTO CALL
RELAY MP8	67A	67A	MP8-7	MP8-DI-7	PUMP 8 AUTO CALL
RELAY PLF9	96D	96D	M5A-9	M5A-DI-9	LF PUMP 9 AUTO CALL
RELAY PLF9	96E	96E	M5A-2	M5A-DI-2	LF PUMP 9 AUTO CALL
RELAY PLF10	106B	106B	M6A-9	M6A-DI-9	LF PUMP 10 AUTO CALL
RELAY PLF10	106C	106C	M6A-2	M6A-DI-2	LF PUMP 10 AUTO CALL
MP SEQ. SEL. SWITCH	77	77	SP161	SP161	MP MANUAL SEQ. SW. 12345678
MP SEQ. SEL. SWITCH	77A	77A	SP162	SP162	MP MANUAL SEQ. SW. 12345678
MP SEQ. SEL. SWITCH	79	79	SP163	SP163	MP MANUAL SEQ. SW. 23456781
MP SEQ. SEL. SWITCH	79A	79A	SP164	SP164	MP MANUAL SEQ. SW. 23456781
MP SEQ. SEL. SWITCH	81	81	SP165	SP165	MP MANUAL SEQ. SW. 34567812
MP SEQ. SEL. SWITCH	81A	81A	SP166	SP166	MP MANUAL SEQ. SW. 34567812
MP SEQ. SEL. SWITCH	83	83	SP167	SP167	MP MANUAL SEQ. SW. 45678123
MP SEQ. SEL. SWITCH	83A	83A	SP168	SP168	MP MANUAL SEQ. SW. 45678123
MP SEQ. SEL. SWITCH	85	85	SP169	SP169	MP MANUAL SEQ. SW. 56781234
MP SEQ. SEL. SWITCH	85A	85A	SP170	SP170	MP MANUAL SEQ. SW. 56781234
MP SEQ. SEL. SWITCH	87	87	SP171	SP171	MP MANUAL SEQ. SW. 67812345
MP SEQ. SEL. SWITCH	87A	87A	SP172	SP172	MP MANUAL SEQ. SW. 67812345
MP SEQ. SEL. SWITCH	89	89	SP173	SP173	MP MANUAL SEQ. SW. 78123456
MP SEQ. SEL. SWITCH	89A	89A	SP174	SP174	MP MANUAL SEQ. SW. 78123456
MP SEQ. SEL. SWITCH	91	91	SP175	SP175	MP MANUAL SEQ. SW. 81234567
MP SEQ. SEL. SWITCH	91A	91A	SP176	SP176	MP MANUAL SEQ. SW. 81234567
LFP SEQ. SEL. SWITCH	106	106	SP177	SP177	LFP MANUAL SEQ. SW. 1-2
LFP SEQ. SEL. SWITCH	106A	106A	SP178	SP178	LFP MANUAL SEQ. SW. 1-2
LFP SEQ. SEL. SWITCH	108	108	SP179	SP179	LFP MANUAL SEQ. SW. 2-1
LFP SEQ. SEL. SWITCH	108A	108A	SP180	SP180	LFP MANUAL SEQ. SW. 2-1
RELAY FR1	303	303	SP129	SP129	HIGH WATER ALARM-FLOAT
RELAY FR1	303A	303A	SP130	SP130	HIGH WATER ALARM-FLOAT
RELAY FR2	304	304	SP131	SP131	START STANDBY LEVEL-FLOAT
RELAY FR2	304A	304A	SP132	SP132	START STANDBY LEVEL-FLOAT
RELAY FR3	305	305	SP133	SP133	START LAG 6 LEVEL-FLOAT
RELAY FR3	305A	305A	SP134	SP134	START LAG 6 LEVEL-FLOAT
RELAY FR4	306	306	SP135	SP135	START LAG 5 LEVEL-FLOAT
RELAY FR4	306A	306A	SP136	SP136	START LAG 5 LEVEL-FLOAT
RELAY FR5	307	307	SP137	SP137	START LAG 4 LEVEL-FLOAT
RELAY FR5	307A	307A	SP138	SP138	START LAG 4 LEVEL-FLOAT
RELAY FR6	309	309	SP139	SP139	START LAG 3 LEVEL-FLOAT
RELAY FR6	309A	309A	SP140	SP140	START LAG 3 LEVEL-FLOAT
RELAY FR7	308	308	SP141	SP141	START LAG 2 LEVEL-FLOAT
RELAY FR7	308A	308A	SP142	SP142	START LAG 2 LEVEL-FLOAT
RELAY FR8	310	310	SP143	SP143	START LAG 1 LEVEL-FLOAT
RELAY FR8	310A	310A	SP144	SP144	START LAG 1 LEVEL-FLOAT
RELAY FR9	311	311	SP145	SP145	START LEAD PUMP LEVEL-FLOAT
RELAY FR9	311A	311A	SP146	SP146	START LEAD PUMP LEVEL-FLOAT
RELAY FR10	312	312	SP147	SP147	STOP LAG4 - LAG7 LEVEL - FLOAT
RELAY FR10	312A	312A	SP148	SP148	STOP LAG4 - LAG7 LEVEL - FLOAT
RELAY FR11	313	313	SP149	SP149	STOP LAG PUMPS, START LF LEVEL-FLOAT
RELAY FR11	313A	313A	SP150	SP150	STOP LAG PUMPS, START LF LEVEL-FLOAT
RELAY FR12	314	314	SP151	SP151	STOP LF LAG PUMP LEVEL-FLOAT
RELAY FR12	314A	314A	SP152	SP152	STOP LF LAG PUMP LEVEL-FLOAT
RELAY FR13	315	315	SP153	SP153	STOP LF LEAD PUMP LEVEL-FLOAT
RELAY FR13	315A	315A	SP154	SP154	STOP LF LEAD PUMP LEVEL-FLOAT
RELAY FR14	316	316	SP155	SP155	LOW WATER LEVEL ALARM - FLOAT
RELAY FR14	316A	316A	SP156	SP156	LOW WATER LEVEL ALARM - FLOAT

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ORIGINATION	WIRE *	TERM *	WIRE *	DESTINATION	DESCRIPTION OF INPUTS
RELAY ROL9	595	595	SP51	SP51	LF PUMP 9 OVERLOAD TRIP
RELAY ROL9	595A	595A	SP52	SP52	LF PUMP 9 OVERLOAD TRIP
RELAY ROL10	597	597	SP115	SP115	LF PUMP 10 OVERLOAD TRIP
RELAY ROL10	597A	597A	SP116	SP116	LF PUMP 10 OVERLOAD TRIP
RELAY RAA	593	593	SP193	SP193	ALARM ACKNOWLEDGED
RELAY RAA	593A	593A	SP194	SP194	ALARM ACKNOWLEDGED
RELAY FHL	602D	602D	AIAP-5	AEGIS-DI-5	HIGH WATER ALARM-FLOAT
RELAY FHL	602	602	AIAP-C	AEGIS-DI-C	HIGH WATER ALARM-FLOAT
RELAY FLWL	602E	602E	AIAP-7	AEGIS-DI-7	LOW WATER ALARM-FLOAT
RELAY FLWL	602	602	AIAP-C	AEGIS-DI-C	LOW WATER ALARM-FLOAT
GAS MONITOR RELAY ARX/WRX	154	154	M3A-3	M3A-DI-3	START SUPPLY FAN SF-1
GAS MONITOR RELAY ARX/WRX	154B	154B	M3A-2	M3A-DI-2	START SUPPLY FAN SF-1
GAS MONITOR RELAY ARX/WRX	155	155	M3B-1	M3B-DI-1	START EXHAUST FAN EF-1
GAS MONITOR RELAY ARX/WRX	155B	155B	M3B-9	M3B-DI-9	START EXHAUST FAN EF-1
GAS MONITOR RELAY ARX/WRX	156	156	M3C-3	M3C-DI-3	START EXHAUST FAN EF-2
GAS MONITOR RELAY ARX/WRX	156B	156B	M3C-2	M3C-DI-2	START EXHAUST FAN EF-2
GAS MONITOR RELAY ARX/WRX	157	157	M3D-3	M3D-DI-3	START EXHAUST FAN EF-3
GAS MONITOR RELAY ARX/WRX	157B	157B	M3D-2	M3D-DI-2	START EXHAUST FAN EF-3
GAS MONITOR RELAY HR 1/2/3	150B	150B	150B	H1	ALARM HORN H1
GAS MONITOR RELAY HR 1/2/3	150C	150C	150C	H1	ALARM HORN H1
GAS MONITOR RELAY HR 1/2/3	150B	150B	150B	H2	ALARM HORN H2
GAS MONITOR RELAY HR 1/2/3	150C	150C	150C	H2	ALARM HORN H2
GAS MONITOR RELAY HR 1/2/3	150B	150B	150B	H3	ALARM HORN H3
GAS MONITOR RELAY HR 1/2/3	150C	150C	150C	H3	ALARM HORN H3
GAS MONITOR RELAY HR 1/2/3	150B	150B	150B	H4	ALARM HORN H4
GAS MONITOR RELAY HR 1/2/3	150C	150C	150C	H4	ALARM HORN H4
GAS MONITOR RELAY ARX	158	158	SP197	SP197	COMBUSTIBLE GAS ALARM
GAS MONITOR RELAY ARX	158A	158A	SP198	SP198	COMBUSTIBLE GAS ALARM
GAS MONITOR RELAY FRX	159	159	SP211	SP211	COMBUSTIBLE GAS FAULT
GAS MONITOR RELAY FRX	159A	159A	SP212	SP212	COMBUSTIBLE GAS FAULT
GAS MONITOR RELAY WRX	160	160	SP213	SP213	COMBUSTIBLE GAS WARNING
GAS MONITOR RELAY WRX	160A	160A	SP214	SP214	COMBUSTIBLE GAS WARNING



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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

PUMP STATION NO. 27
REHABILITATION

CONTROL PANEL TERMINAL
SCHEDULE SH. 3

SCALE: N/A DRAWN BY: MS

DATE: 04-23-10 CHECKED BY: MS