P = PROTECTED

1900	FTB100 1P 1	16 GN 0001		(PUMP 1 CONTROL PANEL) FTB100:1 (RTU COMMON)
1901	FTB100 2P 2	16 GN 0002		(PUMP 2 CONTROL PANEL) FTB100:1 (RTU COMMON)
1902	FTB100 3P 3	16 GN 0003		(PUMP 3 CONTROL PANEL) FTB100:1 (RTU COMMON)
1903	FTB100 4P 4	16 GN 0004		(OPTICAL FLOAT PANEL) FTB304:1 (RTU COMMON)
1904	FTB101 1P 1	16 GN 0005	3	(AUTOMATIC TRANSFER SWITCH) FTB-XXX:X LOSS OF PHASE (RTU COMMON)
1905	FTB101 2P 2	16 GN 0006		(ODOR CONTROL PANEL) FTB-XXX:X (RTU COMMON)
1906	FTB101 3P 3	16 GN 0007		(FUEL STORAGE TANK LEAK DETECTION) FTB-XXX:X (RTU COMMON)
1907	FTB101 4P 4	16 GN 0008		(REMOTE ACTIVE ALARM UNIT) LPB-1:Z (RTU COMMON) (SEE DRAWING 934-DETAIL 2)
1908	FTB102 1P 1	16 GN 0009		(REMOTE HIGH WET WELL LEVEL AUDIO / VISUAL DEVICE) TB1:3 (RTU COMMON) (SEE DRAWING 934-DETAIL 1)
1909	FTB102 2P 2	18GY 268	1	REMOTE STATION INTRUSION (RTU COMMON) (FTB 9001)
1910	FTB102 3P 3	16 GN 0010	3	(GENERATOR CONTROL PANEL) FTB-XXX GENERATOR RUNNING (RTU COMMON)
1911	FTB102 4P 4			SPARE RTU COMMON
1912	FTB103 1P 1	16 OR 1001		PUMP 1 RUNNING FTB103:1
1913	FTB103 2P 2	16 WT 1003		PUMP 1 NOT IN AUTO FTB103:2
1914	FTB103 3P 3	16 YL 1010		PUMP 1 VFD FAILURE ACTIVE FTB103:3
1915	FTB103 4P 4	16 YL 1011		PUMP 1 SSRVS FAILURE ACTIVE FTB103:4
1916	FTB104 1P 1	16 YL 0948		WET WELL HIGH LEVEL (OPTI-FLOAT PANEL) FTB-304:2
1917	FTB104 2P 2	18GY 257	1	REMOTE STATION INTRUSION (FTB 9022)
1918	FTB104 3P 3		3	SPARE TERMINAL
1919	FTB104 4P 4		3	RTU SPARE INPUT
1920	FTB105 1P 1			SPARE TERMINAL
1921	FTB105 2P 2	16 OR 0300		(ODOR CONTROL SYSTEM RUNNING) FTB-XXX:X
1922	FTB105 3P 3	16 YL 0301		(ODOR CONTROL SYSTEM ALARM) FTB-XXX:X
1923	FTB105 4P 4	16 YL 1005		(PUMP 1 SEAL FAILURE) FTB105:4
1924	FTB106 1P 1	16 YL 1007		(PUMP 1 CONTROLLER SPD FAILURE) FTB106:1
1925	FTB106 2P 2	16 YL 1006		(PUMP 1 OVER TEMPERATURE) FTB106:2
1926	FTB106 3P 3	16 YL 1012		(PUMP 1 CONTROLLER ENCLOSURE) HI TEMPERATURE ALARM FTB106:3
1927	FTB106 4P 4	16 YL 0400		(FUEL STORAGE TANK LEAK DETECTION) ALARM FTB-XXX:X
1928	FTB107 1P 1	16 OR 2001		PUMP 2 RUNNING FTB103:1
1929	FTB107 2P 2	16 WT 2003		PUMP 2 NOT IN AUTO FTB103:2
1930	FTB107 3P 3	16 YL 2010		PUMP 2 VFD FAILURE ACTIVE FTB103:3
1931	FTB107 4P 4	16 YL 2011		PUMP 2 SSRVS FAILURE ACTIVE FTB103:4
1932	FTB108 1P 1	16 RD 0500		(GENERATOR CONTROL PANEL) FTB-XXX:X GENERATOR RUNNING
1933	FTB108 2P 2		3	SPARE TERMINAL
1934	FTB108 3P 3		3	RTU SPARE INPUT
1935	FTB108 4P 4	16 BK 0800	2	(ATS) FTB-XXX:X AC PHASE LOSS (UTILITY NORMAL NOT AVAILABLE) AUX. CONTACT CLOSED WHEN NORMAL POWER AVAILABLE

SCALE: N.T.S.
DESIGN: IAG / LS
DRAWN BY: JG
APPROVED BY: WW

NO	REVISION	DATE	BY
-	ADDED FLOAT LEVEL REVISED POINTS	10-17-2013	JG
1	REVISED INPUTS FOR INTRUSION SYSTEM	01-21-2015	JG
2	ADDED AC LOSS PHASE TO RTU INPUT FROM ATS	01-21-2015	JG
3	REMOVED PUMP DISAGREE WIRING	06-15-2015	JG
3	RELABELED INPUTS FOR GEN RUN AND LOSS OF PHASE	06-15-2015	JG

WASTEWATER DIVISION,
INDUSTRIAL AUTOMATION GROUP

CITY OF
ORLANDO, FLORIDA

TITLE: LIFT STATIONS STANDARDS
RTU FOR ≥ 50 HP VFD WITH SSRVS PUMP
CONTROL PANEL (PCP)
WIRING ASSIGNMENTS DETAIL
PART 1

SHEET
619