MOUNTING: SURFACE
LOCATION: DIVERSION ELECTRICAL ROOM

PANEL "PPH-101"
-

SERVICE: 480V/277 3ø 4W
AIC (MIN): 65,000A
MAINS: 225A MLO

CKT	POLE	BRKR	KVA	LOAD DESCRIPTION	KVA A	KVA B	KVA C	LOAD DESCRIPTION	KVA	BRKR	POLE	CKT	
1			7.7		15.40				7.7			2	
3	3	45	7.7	AHU-301 (ON ROOF)		15.40		AHU-302 (ON ROOF)	7.7	45	3	4	
5			7.7				15.40		7.7			6	
7					0.00							8	
9	3	20		SPARE		0.00		SPARE		20	3	10	
11							0.00					12	
13	1	20	1.1	PUMP ROOM LIGHTING	1.10							14	
15	1	20	1.2	ELEC. ROOM LIGHTING		1.20		SPARE		20	3	16	
17	1	20	0.6	STAIR LIGHTING			0.60					18	
19	1	20	0.6	EXTERIOR LIGHTING	0.60							20	
21	1	20	0.6	DIV. STUCTURES 1 & 2 LIGHTING		0.60		SPARE		20	3	22	
23	1	20	0.6	SITE LIGHTING			0.60					24	
25	1	20		SPARE	0.0							26	
27	1	20		SPARE		0.0		SPARE		20	3	28	
29	1	20		SPARE			0.0					30	
31	1	20		SPARE	0.0							32	
33	1	20		SPARE		0.0		SPARE		20	3	34	
35	1	20		SPARE			0.0					36	
37	1	20		SPACE	0.0							38	①
39	1	20		SPACE		0.0		SPD		20	3	40	②
41	1	20		SPACE			0.0					42	
				TOTAL KVA	17.1	17.2	16.6						

COMMENTS:
① PROVIDE LOCK-ON DEVICE
② BREAKER SIZE AND THROUGH CURRENT SHALL BE COORDINATED WITH MANUFACTURER
③
④
⑤

	KVA	AMP
CONNECTED :	50.9	61.3
EST. DEMAND :	50.9	61.3

MOUNTING: SURFACE
LOCATION: DIVERSION ELECTRICAL ROOM

PANEL "PPL-101"
-

SERVICE: 120V/208 3ø 4W
AIC (MIN): 65,000A
MAINS: 150A MCB

CKT	POLE	BRKR	KVA	LOAD DESCRIPTION	KVA A	KVA B	KVA C	LOAD DESCRIPTION	KVA	BRKR	POLE	CKT	
1	1	20	0.7	RECEPTACLES	1.08			RECEPTACLES	0.4	20	1	2	
3	1	20	0.7	RECEPTACLES		1.44		RECEPTACLES	0.7	20	1	4	
5	1	20	0.4	RECEPTACLES			0.97	LIGHTING	0.6	20	1	6	
7	1	20	1.0	FIRE ALARM CONTROL PANEL	1.20			ROOF TOP CONV. RECEPT.	0.2	20	1	8	
9	1	20	1.0	DIV. STRUCT. 2 LTG/RECEPT.		1.60		LIGHTING CONTROL PANEL	0.6	20	1	10	
11	1	20	0.2	RECEPTACLE			1.18	CCTV EQUIPMENT	1.0	20	1	12	
13	1	20	1.0	DIV. STRUCT. 1 LTG/RECEPT.	2.40			OCGMP-410	1.4	20	1	14	
15	1	20	0.4	DOOR OPERATOR		0.80		SECURITY CONTROL PANEL	0.4	20	1	16	
17	1	20	0.4	DOOR OPERATOR			1.40	LOSS OF VENTILATION	1.0	20	1	18	
19	1	20	0.4	DOOR OPERATOR	0.40			SPARE		20	1	20	
21	1	20		SPARE		0.00		SPARE		20	1	22	
23	1	20		SPARE			0.00	SPARE		20	1	24	
25	1	20		SPARE	0.00			SPARE		20	1	26	
27	1	20		SPARE		0.00		SPARE		20	1	28	
29	1	20		SPARE			0.00	SPARE		20	1	30	
31	1	20		SPARE	0.00			SPARE		20	1	32	
33	1	20		SPARE		0.00		SPARE		20	1	34	
35	1	20		SPARE			0.00	SPARE		20	1	36	
37	1	20		SPACE	0.00							38	
39	1	20		SPACE		0.00		SPD			3	40	③
41	1	20		SPACE			0.00					42	
				TOTAL KVA	5.08	3.84	3.55						

COMMENTS:
① PROVIDE LOCK-ON DEVICE
② BREAKER SIZE AND THROUGH CURRENT SHALL BE COORDINATED WITH MANUFACTURER
③ PROVIDE SPD AND SIZE BREAKER PER MANUFACTURER REQUIREMENT
④
⑤

	KVA	AMP
CONNECTED:	12.5	34.6
EST. DEMAND :	10.8	29.8

MOUNTING: SURFACE
SEPARATE ISOLATED GROUND BUS
LOCATION: DIVERSION ELECTRICAL ROOM

PANEL "IPL-101"
-

SERVICE: 120V/208 3ø 4W
AIC (MIN): 65,000A
MAINS: 150A MCB

CKT	POLE	BRKR	KVA	LOAD DESCRIPTION	KVA A	KVA B	KVA C	LOAD DESCRIPTION	KVA	BRKR	POLE	CKT	
1	1	20	0.1	LIT 301	0.60			FIT 210	0.5	20	1	2	
3	1	20	0.1	LIT 302		0.60		FIT 310	0.5	20	1	4	
5	1	20	0.1	LIT 201			1.10	LMP-1 CONTROL PANEL	1.0	20	1	6	
7	1	20	0.1	LIT 202	1.10			GMP-210 GAS MONITORING PANEL	1.0	20	1	8	
9	1	20	1.0	FSL-415		2.00		RTU PANEL	1.0	20	1	10	
11	1	20	1.0	SPARE			2.00	GMP-310 GAS MONITORING PANEL	1.0	20	1	12	
13	1	20	1.0	SPARE	1.50			FIT-110A	0.5	20	1	14	
15	1	20	1.0	SPARE		1.50		FIT-110B	0.5	20	1	16	
17	1	20	1.0	SPARE			1.00	SPARE		20	1	18	
19	1	20	1.0	SPARE	1.00			SPARE		20	1	20	
21	1	20	1.6	PLC-101		1.60		SPARE		20	1	22	
23	1	20		SPARE			0.00	SPARE		20	1	24	
25	1	20		SPARE	0.00			SPARE		20	1	26	
27	1	20		SPARE		0.00		SPARE		20	1	28	
29	1	20		SPARE			0.00	SPARE		20	1	30	
31	1	20		SPARE	0.00			SPACE		20	1	32	
33	1	20		SPARE		0.00		SPACE		20	1	34	
35	1	20		SPARE			0.00	SPACE		20	1	36	
37	1	20		SPACE	1.00				1.0			38	
39	1	20		SPACE		1.00		SPD	1.0		3	40	②
41	1	20		SPACE			1.00		1.0			42	
				TOTAL KVA	5.20	6.70	5.10						

COMMENTS:
① BREAKER SIZE AND THROUGH CURRENT SHALL BE COORDINATED WITH MANUFACTURER
② PROVIDE SPD AND SIZE BREAKER PER MANUFACTURER REQUIREMENT
③
④
⑤

	KVA	AMP
CONNECTED:	17.0	47.2
EST. DEMAND :	13.5	37.5

MOUNTING: SURFACE
LOCATION: DIVERSION ELECTRICAL ROOM

PANEL "VPL-101"
-

SERVICE: 120V/208 3ø 4W
AIC (MIN): 65,000A
MAINS: 150A MCB

CKT	POLE	BRKR	KVA	LOAD DESCRIPTION	KVA A	KVA B	KVA C	LOAD DESCRIPTION	KVA	BRKR	POLE	CKT	
1			1.8		3.60				1.8			2	
3	3	20	1.8	CONTROL VALVE PCV-201		3.60		CONTROL VALVE PCV-301	1.8	20	3	4	
5			1.8				3.60		1.8			6	
7			1.8		3.60				1.8			8	
9	3	20	1.8	CONTROL VALVE PCV-202		3.60		CONTROL VALVE PCV-302	1.8	20	3	10	
11			1.8				3.60		1.8			12	
13			1.8		3.60				1.8			14	
15	3	20	1.8	CONTROL VALVE PCV-203		3.60		CONTROL VALVE PCV-303	1.8	20	3	16	
17			1.8				3.60		1.8			18	
19	1	20	1.0	SPARE	2.00			SPARE	1	20	1	20	
21	1	20	1.0	SPARE		2.00		SPARE	1	20	1	22	
23	1	20	1.0	SPARE			2.00	SPARE	1	20	1	24	
25				SPARE	0.00			SPARE		20	1	26	
27				SPARE		0.00		SPARE		20	1	28	
29				SPARE			0.00	SPARE		20	1	30	
31					0.00							32	
33	3	20		SPARE		0.00		SPARE		20	3	34	
35							0.00					36	
37					1.00				1			38	
39	3	20		SPARE		1.00		SPD	1		3	40	②
41							1.00		1			42	
				TOTAL KVA	13.80	13.80	13.80						

COMMENTS:
① BREAKER SIZE AND THROUGH CURRENT SHALL BE COORDINATED WITH MANUFACTURER
② PROVIDE SPD AND SIZE BREAKER PER MANUFACTURER REQUIREMENT
③
④
⑤

	KVA	AMP
CONNECTED:	41.4	115.0
EST. DEMAND :	25.7	71.3

PANEL SCHEDULE NOTES
(FOR ALL PANEL SCHEDULES)

1. ALL PROTECTIVE DEVICES IN THE POWER SYSTEM SHALL HAVE ELECTRICAL SELECTIVE COORDINATION PER NEC. WHERE NECESSARY PROVIDE FRAME / TRIP RATING MODIFICATION, ADDITIONAL ISOLATION TRANSFORMERS, ADDITION OF ELECTRONIC TRIPPING ELEMENTS, INCREASE IN CABLE AND CONDUCTOR SIZE BETWEEN ELECTRICAL SYSTEM COMPONENTS (IE SWITCHBOARDS, PANELBOARDS, SWITCHES, TRANSFER SWITCHES, ETC.) IN ORDER TO ACHIEVE SELECTIVE COORDINATION AS REQUIRED PER THE NEC. ALL SUCH CHANGES SHALL BE BORNE BY CONTRACTOR AT NO ADDITIONAL COST TO THE OWNER. USE ELECTRONIC TRIP DEVICES IN THIS APPLICATION. FURNISH MANUFACTURER DOCUMENTATION INDICATING CODE COMPLIANT COORDINATION. REFER TO SPECIFICATION.

CITY OF ATLANTA
DEPARTMENT of WATERSHED MANAGEMENT

PEACHTREE CREEK SOUTH FORK
RELIEF STORAGE AND PUMPING STATION

REV	DATE	REVISION DESCRIPTION
0	10/28/12	100 PERCENT BID PACKAGE

THIS LINE IS ONE INCH LONG WHEN PLOTTED FULL SCALE

THIS DRAWING MUST BE USED IN CONJUNCTION WITH THE APPLICABLE OR GOVERNING TECHNICAL SPECIFICATIONS AND OTHER CONTRACT DOCUMENTS.

PROJECT NO: FC-6260
DATE: OCTOBER 2012

RESP PROF:	DESIGNER:	CHECKER:
KCV	WHP	BLB

SHEET TITLE
ELECTRICAL
03 - DIVERSION FACILITY PUMP STATION
PANEL SCHEDULES

SHEET NO. E3-601
REV. 0