

DATE: \_\_\_\_\_ BY: \_\_\_\_\_  
 SURVEYED: \_\_\_\_\_  
 PLOTTED: \_\_\_\_\_  
 CHECKED: \_\_\_\_\_  
 PLAN NO. \_\_\_\_\_  
 NOTE BOOK NO. \_\_\_\_\_  
 REVISIONS: \_\_\_\_\_  
 FILE NAME: \_\_\_\_\_

CONDUIT AND CABLE SCHEDULE						
CONDUIT NO.	CONDUIT SIZE(")	CABLE		FROM	TO	REMARKS
		Q'TY	SIZE			
P-1A	4	3	750MCM	UTILITY XFMR A	480V SWGR	
P-1B	4	3	750MCM	UTILITY XFMR A	480V SWGR	
P-1C	4	3	750MCM	UTILITY XFMR A	480V SWGR	
P-1D	4	3	750MCM	UTILITY XFMR A	480V SWGR	
P-1E	4	3	750MCM	UTILITY XFMR A	480V SWGR	
P-1F	4	3	750MCM	UTILITY XFMR A	480V SWGR	
P-2A	4	3	750MCM	UTILITY XFMR B	480V SWGR	
P-2B	4	3	750MCM	UTILITY XFMR B	480V SWGR	
P-2C	4	3	750MCM	UTILITY XFMR B	480V SWGR	
P-2D	4	3	750MCM	UTILITY XFMR B	480V SWGR	
P-2E	4	3	750MCM	UTILITY XFMR B	480V SWGR	
P-2F	4	3	750MCM	UTILITY XFMR B	480V SWGR	
P-3A	4	3	500MCM	480V SWGR	MCC-1	
P-3B	4	3	500MCM	480V SWGR	MCC-1	
P-3C	4	3	500MCM	480V SWGR	MCC-1	
P-3D	4	3	500MCM	480V SWGR	MCC-1	
P-4A	4	3	500MCM	480V SWGR	MCC-2	
P-4B	4	3	500MCM	480V SWGR	MCC-2	
P-4C	4	3	500MCM	480V SWGR	MCC-2	
P-4D	4	3	500MCM	480V SWGR	MCC-2	
P-5A	4	3	500MCM	480V SWGR	WELLS	
P-5B	4	3	500MCM	480V SWGR	WELLS (FUTURE FDR)	
P-6	3	3	500MCM	MCC-1	SWP-1 JB VIA DISC SW	
P-7	3	3	500MCM	MCC-1	SWP-3 JB VIA DISC SW	
P-8	3	3	500MCM	MCC-1	SWP-5 JB VIA DISC SW	
P-9	2	3	4/0	MCC-1	SSP-1 JB VIA DISC SW	
P-10	1	4	8	MCC-1	DP-1 VIA DS	
P-11	3/4	4	10	MCC-1	SM-1 JB	
P-12	3/4	4	10	MCC-1	SM-3 JB	
P-13	3/4	4	10	MCC-1	AHU-1	
P-14	3/4	4	10	MCC-1	EUH-3 VIA DISC	
P-15	3/4	4	10	MCC-1	MONORAIL 1 JB VIA DS	
P-16	2	3	4/0	MCC-1	ATS	
P-17	3	3	500MCM	MCC-2	SWP-2 JB VIA DISC SW	
P-18	3	3	500MCM	MCC-2	SWP-4 JB VIA DISC SW	
P-19	3	3	500MCM	MCC-2	SWP-6 JB VIA DISC SW	
P-20	2	3	4/0	MCC-2	SSP-2 JB VIA DISC SW	
P-21	3/4	4	10	MCC-2	DP-2 VIA JB	
P-22	3/4	4	10	MCC-2	FWP-1 VIA DS	
P-23	3/4	4	10	MCC-2	SM-2 JB	
P-24	3/4	4	10	MCC-2	SM-4 JB	

CONDUIT AND CABLE SCHEDULE						
CONDUIT NO.	CONDUIT SIZE(")	CABLE		FROM	TO	REMARKS
		Q'TY	SIZE			
P-25	3/4	7	10	MCC-2	SF-5	
P-26	3/4	4	10	MCC-2	MONORAIL 2 JB VIA DS	
P-27	2	3	4/0	MCC-2	ATS	
P-28	2	3	4/0	ATS	PDP-A	
P-29	3/4	4	10	PDP-A	LTC XFMR A	
P-30	3/4	4	10	PDP-A	LTC XFMR B	
P-31	3/4	4	10	PDP-A	CPP XFMR	
P-31A	3/4	4	10	CPP XFMR	CPP	
P-32	1	4	6	PDP-A	GENERATOR AUX PWR CTR	
P-33	1	4	6	PDP-A	PP-2	
P-34	3/4	4	10	MCC-1	EF-2 VIA DS	
P-35	3/4	4	10	MCC-2	EF-3 VIA DS	
P-35A	3/4	4	10	PDP-A	POWER RECPS	
P-36	1	4	6	LTC XFMR A	LP-A	
P-37	1	4	6	LTC XFMR B	LP-B	
P-38	1	4	6	PDP-A	CPP XMFR	
P-38A	3/4	4	10	CPP XFMR	CPP	
P-39	3/4	4	10	PP-2	SF-2	
P-40	3/4	4	10	PP-2	SF-4	
P-41	3/4	4	10	PP-2	EUH-1	
P-42	3/4	4	10	PP-2	EUH-2	
P-43	3/4	4	10	PP-2	EF-1 DISC SW	EXISTING
C-1	3/4	16	14	MCC-1	SWP-1 JB	
C-2	3/4	16	14	MCC-1	SWP-3 JB	
C-3	3/4	16	14	MCC-1	SWP-5 JB	
C-4	3/4	16	14	MCC-1	SSP-1 JB	
C-5	3/4	16	14	MCC-1	DP-1 JB	
C-6	3/4	16	14	MCC-1	SM-1 JB	
C-7	3/4	16	14	MCC-1	SM-3 JB	
C-8	3/4	16	14	MCC-2	SWP-2 JB	
C-9	3/4	16	14	MCC-2	SWP-4 JB	
C-10	3/4	16	14	MCC-2	SWP-6 JB	
C-11	3/4	16	14	MCC-2	SSP-2 JB	
C-12	3/4	16	14	MCC-2	DP-2	
C-13	3/4	16	14	MCC-2	FWP-1	
C-14	3/4	16	14	MCC-2	SM-2 JB	
C-15	3/4	16	14	MCC-2	SM-4 JB	
C-16	2	60	14	CONTROL PANEL	MCC NO. 1	
C-17	2	60	14	CONTROL PANEL	MCC NO. 2	
C-18	3/4	12	14	CONTROL PANEL	480V SWGR	
C-19	2	6	14	CONTROL PANEL	GEN CONT PANEL	
C-20	1	64	14	CONTROL PANEL	SCADA PANEL	
C-21	1	4	14	CONTROL PANEL	FAP	
C-22	1	20	14	CONTROL PANEL	FLOAT TB1	
C-23	1	20	14	CONTROL PANEL	FLOAT TB2	
C-24	1	2	14	CONTROL PANEL	PS ALARM HORNS	
C-25	1	4	14	CONTROL PANEL	CO DETECTOR	
C-26	1	6	14	SCADA PANEL	CO DETECTOR	
C-27	2	100	14	SCADA PANEL	MCC NO. 1	
C-28	2	100	14	SCADA PANEL	MCC NO. 2	
C-29	2	12	14	SCADA PANEL	480V SWGR	
C-30	2	6	14	SCADA PANEL	GEN CONTROL PANEL	
C-31	1	4	14	SCADA PANEL	UPS	
C-32	1	2	12	SCADA PANEL	24V DC POWER SUPPLY	
C-33	1	4	14	SCADA PANEL	24V DC POWER SUPPLY	
C-34	1	2	14	SCADA PANEL	CPP	
C-35	1	2	14	SCADA PANEL	CONT. ROOM TEMP. SW.	

CONDUIT AND CABLE SCHEDULE						
CONDUIT NO.	CONDUIT SIZE(")	CABLE		FROM	TO	REMARKS
		QTY	SIZE			
S-1	3/4	1	2/C#18SH	SCADA PANEL	LEVEL XMTR LT-100	
S-2	3/4	1	2/C#18SH	SCADA PANEL	LEVEL XMTR LT-101	
S-3	3/4	2	2/C#18SH	SCADA PANEL	CONTROL PANEL	
S-4	3/4	10	14	SCADA PANEL	CONTROL PANEL	
S-5	3/4	1	NOTE A	SCADA PANEL	PUMP STA. OPR PNL GIP-B	
S-6	3/4	1	NOTE A	SCADA PANEL	PUMP STA. OPR PNL GIP-B	
S-7	3/4	1	NOTE B	SCADA PANEL	480V SWGR	
S-8	3/4	1	NOTE C	SCADA PANEL	480V SWGR	
S-9	3/4	1	NOTE C	SCADA PANEL	GENERATOR CONTROL PANEL	
S-10	1	3	NOTE C	SCADA PANEL	COMPUTER & PRINTERS	
S-11	3/4	1	NOTE D	480V SWGR	MCC-2	
S-12	3/4	1	NOTE D	MCC-2	MCC-1	
S-13	3/4	6	14	CONTROL PANEL	PUMP STA DOOR SW	
S-14	3/4	6	14	CONTROL PANEL	E/G BLDG DOOR SW	
S-15	3/4	1	3/C#18SH	CONTROL PANEL	GAS SENSOR CGD1	
S-16	3/4	1	3/C#18SH	CONTROL PANEL	GAS SENSOR CGD2	
S-17	3/4	1	3/C#18SH	CONTROL PANEL	GAS SENSOR CGD3	
S-18	3/4	1	3/C#18SH	CONTROL PANEL	GAS SENSOR CGD4	
S-19	3/4	1	3/C#18SH	CONTROL PANEL	GAS SENSOR CGD5	
S-20	3/4	1	3/C#18SH	CONTROL PANEL	GAS SENSOR CGD6	
S-21	3/4	2	14	FAP	E/G BLDG SD1,2	
S-22	3/4	2	14	FAP	E/G BLDG STROBES	
S-23	3/4	6	14	FAP	PUMP STA SD3-15	
S-24	3/4	6	14	FAP	PUMP STA STROBES	
S-25	3/4	2	14	FAP	E/G BLDG SD1,2	
S-26	3/4	2	14	FAP	E/G BLDG STROBES	
P-44A	4	3	750MCM	GEN TERMINAL BOX	480V SWGR	
P-44B	4	3	750MCM	GEN TERMINAL BOX	480V SWGR	
P-44C	4	3	750MCM	GEN TERMINAL BOX	480V SWGR	
P-44D	4	3	750MCM	GEN TERMINAL BOX	480V SWGR	
P-44E	4	3	750MCM	GEN TERMINAL BOX	480V SWGR	
P-44F	4	3	750MCM	GEN TERMINAL BOX	480V SWGR	

NOTES  
 A: CONTROLNET CABLES  
 B: 24VDC(2#12) & DEVICENET CABLES  
 C: ETHERNET CABLE  
 D: DEVICENET CABLE

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REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
 BOWMAN AVENUE PUMP STATION  
 REHABILITATION  
 CONDUIT & CABLE SCHEDULE  
 SCALE: AS SHOWN  
 DATE: 09-12-05  
 DRAWN BY: LMJ  
 CHECKED BY: KCC

ALVORD, BURDICK & HOWSON, L.L.C.  
 ENGINEERS CHICAGO

#DATE#  
 #BY#  
 #CHK#  
 #REV#