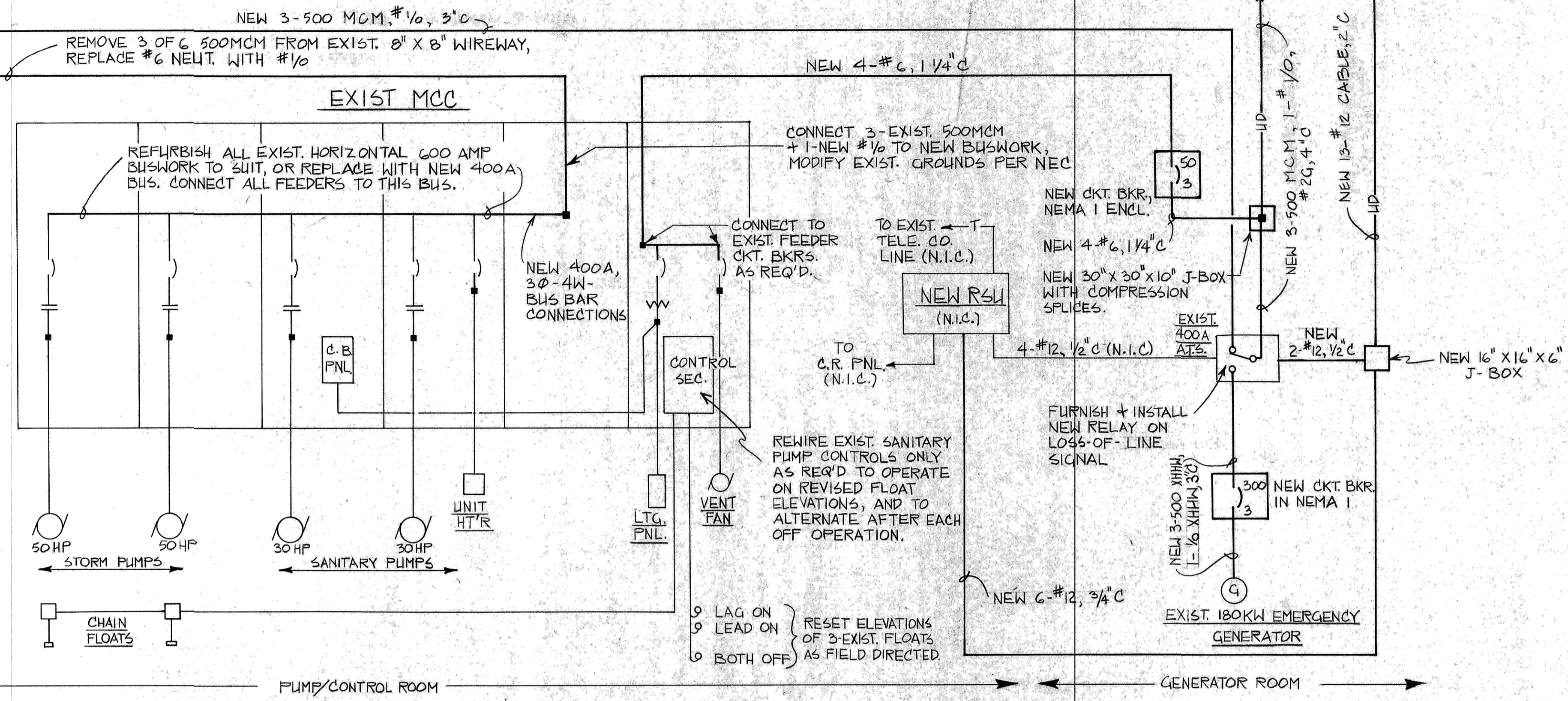


COORDINATE WITH MDU CO. FOR TRANSFORMER LUG CONNECTIONS + FOR TEMPORARY SERVICE DURING CHANGEOVER

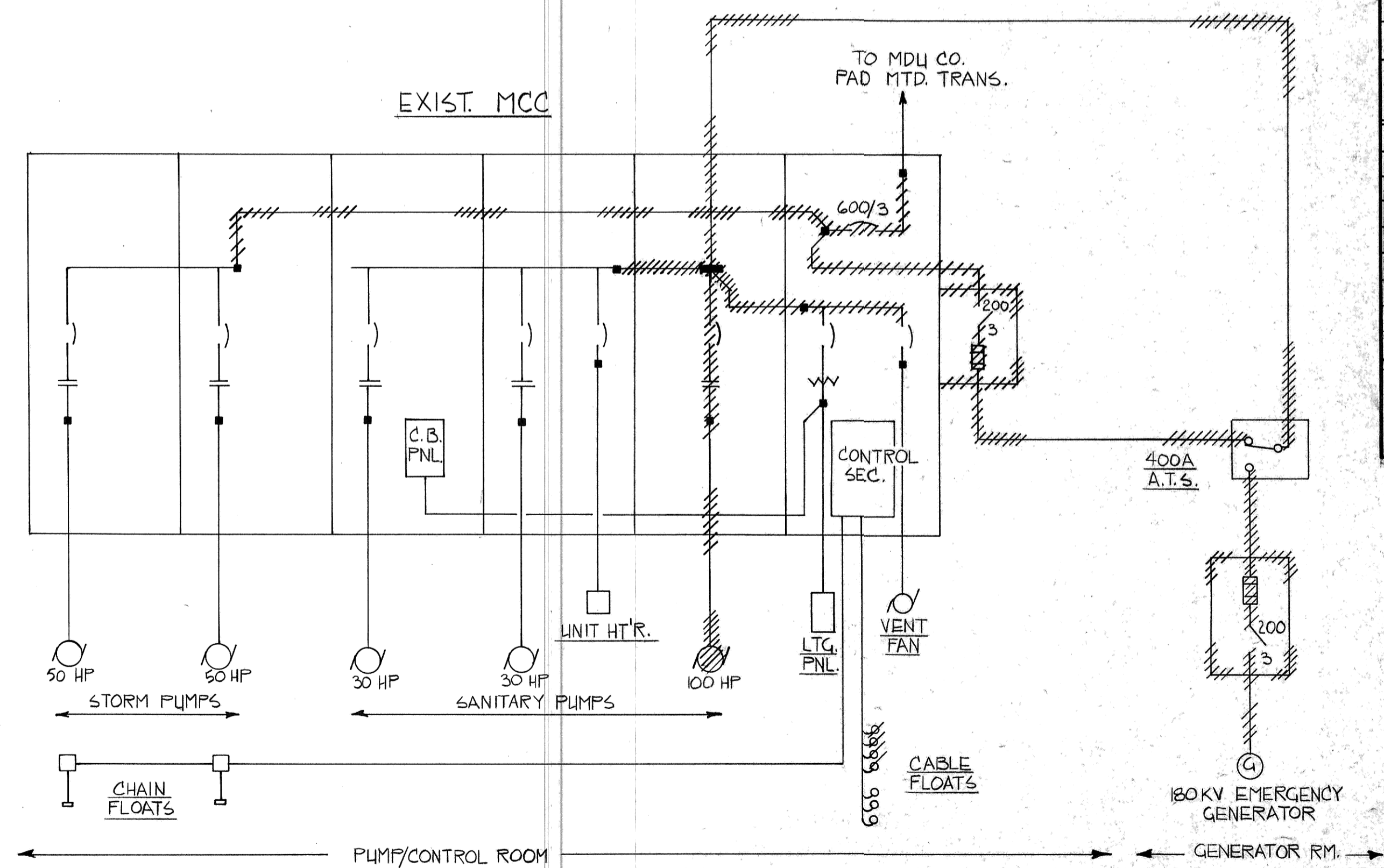
ESTABLISH NEW #4/0 GROUND LOOP, BOND PER NEC

NEW MAIN CKT. BKR'S. IN NEMA 1 ENCLOSURES

EXIST. 6-500MCM + CONDUITS TO REMAIN REPLACE THE #6 NEUT. WITH 2-#1/0



REVISIONS EXIST. PUMP STATION ONE-LINE DIAGRAM NOT TO SCALE



EXIST. PUMP STATION ONE-LINE DIAGRAM NOT TO SCALE

PANEL NO. LP1		VOLTS	PHASE	WIRE	MAIN CAPACITY	AMPERES				
		120/240	1	3	100					
		MOUNTING Flush		FEEDER SIZE 3-#4, 1-#8		Grd., 1\"C. MAIN CONNECTION 60A MCB				
CCT. NO.	ITEM FED	DISTRIBUTION VA	WIRE SIZE	CIRCUIT BREAKER	PHASE	FRANK. POLE	AMPS	DISTRIBUTION VA	ITEM FED	CCT. NO.
1	Control Rm. Lights	200	12 20	1 10K	1	10K	1 20	200	MCC Control Power	2
3	Control Rm. Outlets	500	12 20	1 10K	2	10K	1 20	200	MCC Control Power	4
5	Entry & Stair Lights	500	12 20	1 10K	1	10K	1 20	300	Pump Room Outlet	6
7	Continuous Fan PV-2	700	12 20	1 10K	2	10K	1 20	1000	Pump Room Lights	8
9	Control Rm. Fan PV-3	700	12 20	1 10K	1	10K	1 20	850	Sump Pump	10
11	Spare		20	1 10K	2	10K	1 20		Spare	12
13	Spare		20	1 10K	1	10K	1 20		Spare	14
15	Spare		20	1 10K	2	10K	1 20		Spare	16

NOTES:  
Connected Load: 5150 VA

LIGHT FIXTURE SCHEDULE		
TYPE	DESCRIPTION	LAMPS
A	Explosion-proof, wall-mounted incandescent, Class 1, Division 2, Group D, aluminum guard, glass globe, epoxy paint, j-box mounted, 300 watt maximum. Crouse-Hinds "VIG" series with Coro-Free finish, or approved equal	1-200A/99 Extended Service A-23
B	Same as "A" except surface j-box ceiling mounted, and with dome not guard. Crouse-Hinds "ARB" series with Coro-Free finish, or approved equal	1-300M/99 Extended Service PS-30
C	Industrial fluorescent, suspended at 8'-0", porcelain enameled reflector, 120 volt cold-weather ballast, 10% upright, hanging chains and accessories. Benjamin-Thomas FL-1024 series, or approved equal	2-F40CW

Record Drawing



PHASE III

REV.	DATE	DESCRIPTION	BY

MANDAN INTERCEPTOR 1984  
MANDAN, NORTH DAKOTA  
MASTER PUMPING STATION  
ELECTRICAL DIAGRAM & SCHEDULE  
ULTEIG ENGINEERS, INC. CONSULTING ENGINEERS • ARCHITECT  
FARGO • BISMARCK • MINNEAPOLIS

SCALE: AS SHOWN PROJECT NO. 4241.00  
DRAWN BY: D.R.A. DATE: MAY 1984 SHEET E-4 of 4  
CHECKED BY: D.A.J.  
APPROVED BY: D.A.J.

