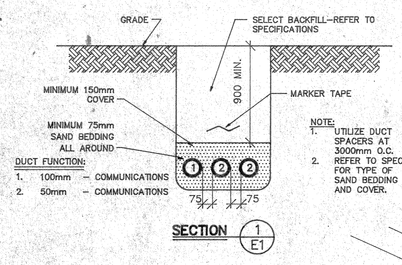
PANEL: 'B' MOUNTING: SURFACE				VOLTAGE: 120/208V 3PH 4W BUS RATING: 100 AMP		
CIRCUIT	LOAD	TRIP		TRIP	LOAD	CIRCUIT
1	LIGHTING	15		15	EF1/MD1	2
3	3	15		15	SPARE	4
5	H2	15		15	SPARE	6
7	SPARE	15		15	SPARE	8
9	SPARE	15		15	SPARE	10
11	SPACE				SPACE	12
13	SPACE				SPACE	14
15	SPACE				SPACE	16
17	SPACE				SPACE	18
19	SPACE				SPACE	20
21	SPACE				SPACE	22
23	SPACE				SPACE	24

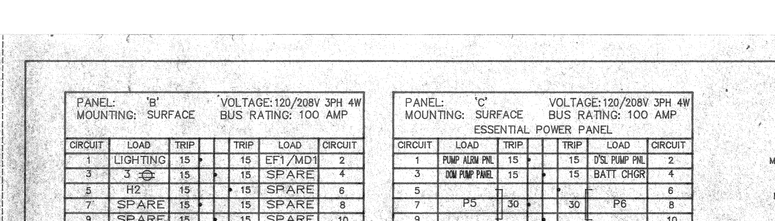
PANEL: 'C' MOUNTING: SURFACE ESSENTIAL POWER PANEL				VOLTAGE: 120/208V 3PH 4W BUS RATING: 100 AMP		
CIRCUIT	LOAD	TRIP		TRIP	LOAD	CIRCUIT
1	PUMP ALRM PNL	15		15	DTL PUMP PNL	2
3	DOM PUMP PANEL	15		15	BATT CHGR	4
5						6
7	P5	30		30	P6	8
9						10
11	SPARE	15		15	ALARM STROBE	12
13	SPARE	15		15	SPARE	14
15	SPACE				SPACE	16
17	SPACE				SPACE	18
19	SPACE				SPACE	20
21	SPACE				SPACE	22
23	SPACE				SPACE	24

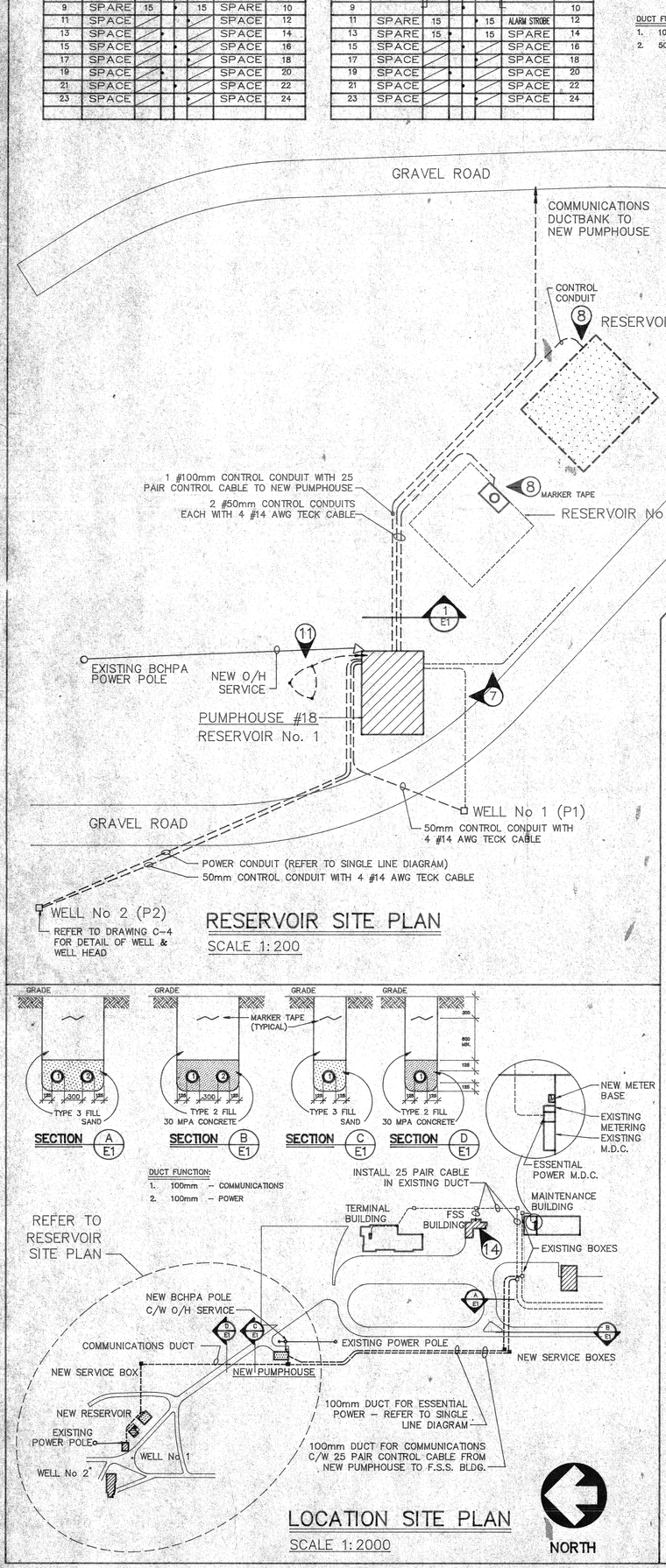


SECTION 1/E1

RESERVOIR SITE PLAN

SCALE 1:200

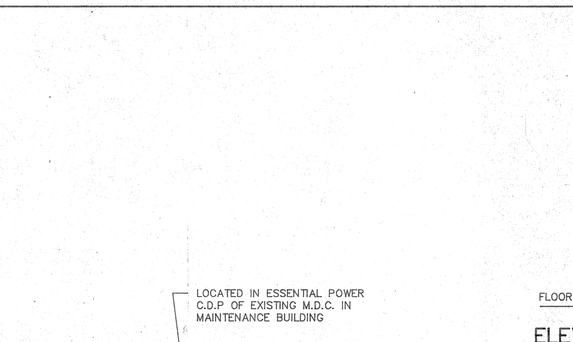




LOCATION SITE PLAN

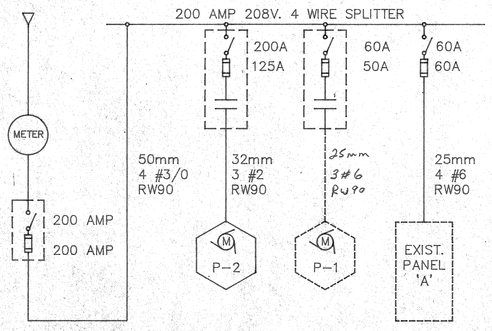
SCALE 1:2000

NORTH



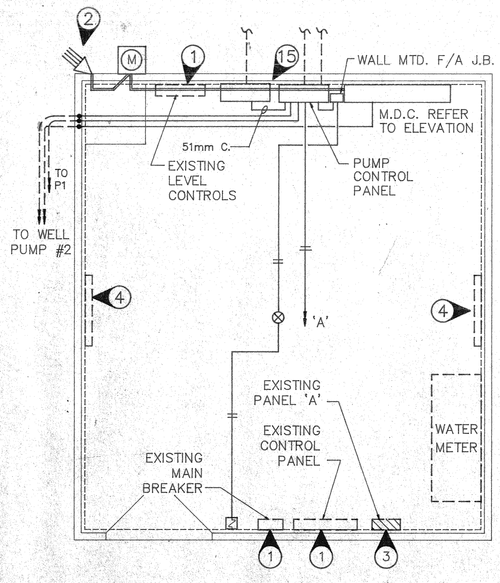
ELEVATION OF M.D.C. – PUMPHOUSE #18

NOT TO SCALE



SINGLE LINE DIAGRAM – PUMPHOUSE #18

NOT TO SCALE

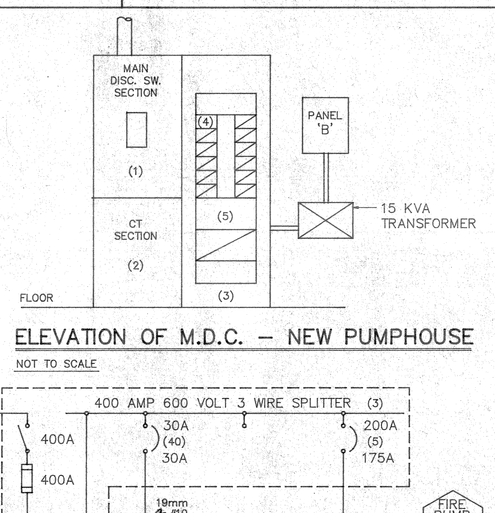


PUMPHOUSE No. 18 PLAN

SCALE 1:40

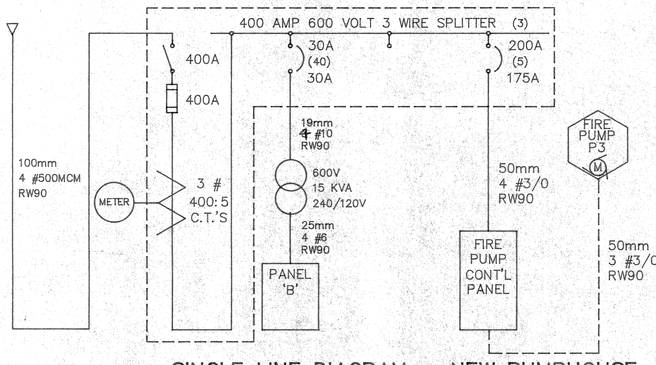
ESSENTIAL POWER SINGLE LINE DIAGRAM

NOT TO SCALE



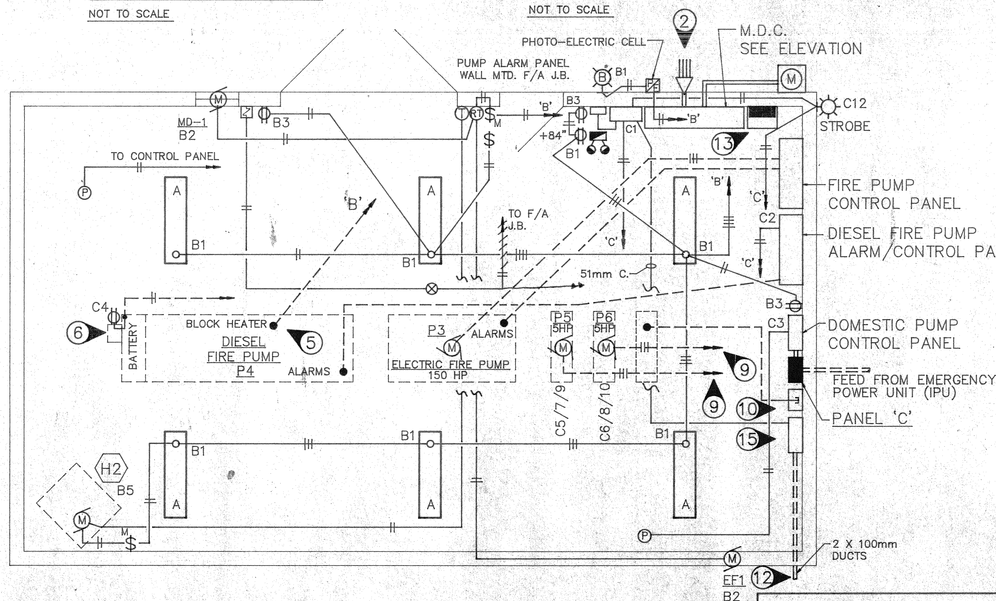
ELEVATION OF M.D.C. – NEW PUMPHOUSE

NOT TO SCALE



SINGLE LINE DIAGRAM – NEW PUMPHOUSE

NOT TO SCALE



NEW PUMPHOUSE PLAN

SCALE 1:40

NOTES:

1. REMOVE WHEN NEW SYSTEM IS IN SERVICE.
2. NEW ELECTRICAL SERVICE.
3. RETAIN C/W ALL EXISTING LIGHTING, HEATING AND VENTILATION LOADS AND RECONNECT TO NEW SERVICE.
4. EXISTING HEATER 'H2' TO REMAIN IN SERVICE.
5. CONNECT TO 2 #1000 WATT BLOCK HEATERS.
6. BATTERY CHARGER AND BATTERY.
7. PROTECT EXISTING UNDERGROUND POWER CABLES.
8. DUPLICATE LEVEL CONTROLS (REFER TO SPECIFICATIONS).
9. TO DOMESTIC PUMP CONTROL PANEL.
10. FUTURE PUMP CONTROL PANEL. CAP CONDUIT ON WALL FOR FUTURE CONNECTION TO PUMP AS SHOWN.
11. 3 #3000mm GROUND RODS WITH #3/0 STRANDED COPPER CONNECTION TO M.D.C.
12. RUN ONE 25 PAIR COMMUNICATIONS CABLE TO PUMPHOUSE #18 AND A XECOND 25 PAIR COMMUNICATIONS CABLE TO F.S.S. BUILDING.
13. PANEL 'B' AND 15 KVA TRANSFORMER
14. TERMINATE CABLE IN LAND LINE ROOM FOR CONNECTION TO F.S.S. ANNUNCIATOR BY D.O.T. PERSONNEL. LEAVE 5m CABLE COILED.
15. 450 X 900 TERMINATION BOX SUPPLIED BY TRANSPORT CANADA. LEAVE 5m CABLE COILED.

Transport Canada / Transports Canada — Airports Authority Group / Groupe de gestion des aéroports — Canada

Pacific Region / Région du Pacifique

Joorisity Atwell Engineering Ltd.
CONSULTING PROFESSIONAL ENGINEERS
Telephone (604) 762–6116

JOB NUMBER 9473

SYMBOL SCHEDULE

SYMBOL	DESCRIPTION
	CONDUIT RUN IN CEILING OR WALL
	CONDUIT RUN IN FLOOR, SLAB, OR UNDERGROUND
	LOW VOLTAGE WIRING
	SURFACE MOUNTED FLUORESCENT LIGHT FIXTURE
	SURFACE OR RECESSED CEILING MOUNTED H.I.D. OR INCANDESCENT LIGHT FIXTURE
	WALL MOUNTED H.I.D. OR INCANDESCENT FIXTURE. LETTER DESIGNATES FIXTURE TYPE (SEE SPEC'NS)
	EMERGENCY LIGHTING POWER SUPPLY UNIT (EPS) C/W TWO INTEGRAL HEADS
	WALL MOUNTED SINGLE GANG LIGHT SWITCH
	WALL MOUNTED DUPLEX RECEPTACLE
WP	WEATHERPROOF
	SPECIAL PURPOSE OUTLET – DIRECT CONNECTION
	RECESSED CEILING MOUNTED OUTLET BOX
	WALL MOUNTED OUTLET BOX
	PUSHBUTTON STATION
	BELL
	BUZZER
	HORN
	SINGLE PHASE MOTOR CONNECTION
	THREE PHASE MOTOR CONNECTION
T	THERMOSTAT
RT	REVERSE ACTING THERMOSTAT
P	PRESSURE SWITCH
	MAGNETIC MOTOR STARTER
	COMBINATION DISCONNECT SWITCH/MOTOR STARTER
	DISCONNECT SWITCH
MP	MANUAL MOTOR PROTECTION SWITCH
TD	TIME DELAY SWITCH (BY DIVISION 15)
LVT	LOW VOLTAGE CONTROL TRANSFORMER
CR	CONTROL RELAY
TC	TIME CLOCK
	CONTACTOR
F/A	FIRE ALARM SYSTEM
	RATE OF RISE HEAT DETECTOR
	END OF LINE RESISTOR
F	FIXED TEMPERATURE HEAT DETECTOR
	STROBE LIGHT

NOTE:
WE HEREBY CERTIFY THAT THESE DRAWINGS REPRESENT THE ELECTRICAL CONTRACT "AS–BUILT"

PER _____

DATE FEB. 4/90

DUKE ELECTRIC LTD.
P.O. BOX 1018
BLAIRMORE, ALBERTA
T0K 0E0

no.	description	by par	approved approuvé	date
	REVISED TO AS–BUILT	m.j.w		90/02/08

PROFESSIONAL AND TECHNICAL SERVICES
SERVICES PROFESSIONNELS ET TECHNIQUES

scale / echelle: AS SHOWN

site / emplacement: CRANBROOK AIRPORT, B.C.

title / titre: WATER SYSTEM UPGRADING

RESERVOIR & SITE PLAN

SD–P118–16

drawn by / dessiné par	checked by / vérifié par	approved by / approuvé par
m.j.w.	LJLA	
reviewed by / examiné par	approved by / approuvé par	

project no. / projet no.	date	rev. / rév.	sheet no. / de la feuille
S1–P118–1013	JUNE 1988		9/11 E–1

prepared by: USL urban systems ltd. consulting planners and engineers

P 1 1 8 P 6 4 7 E 0 0 1