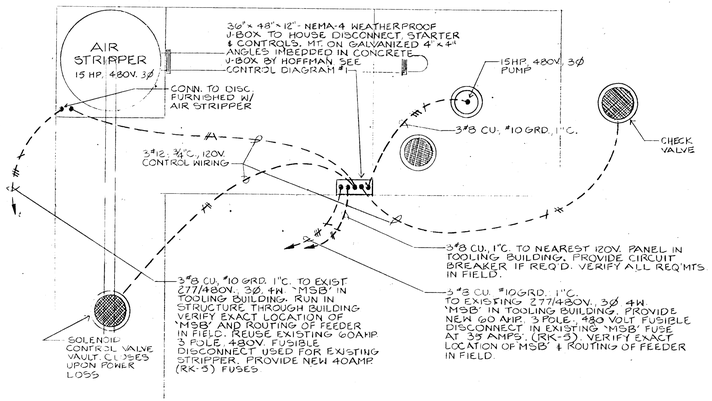


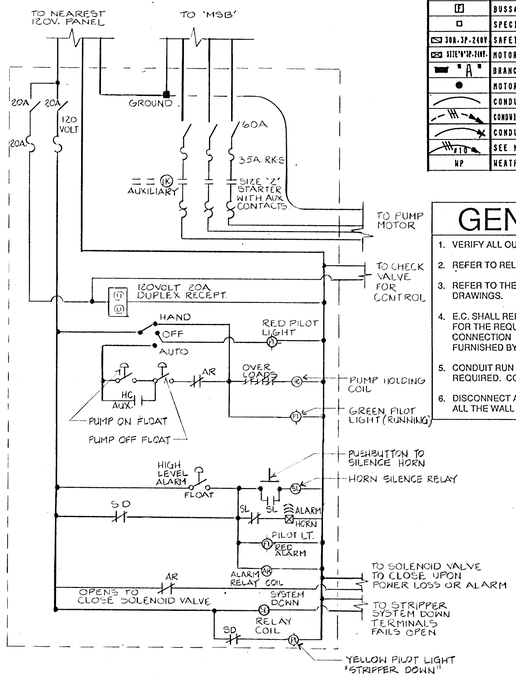
NOTES:
1. POLE FURNISHED AND INSTALLED BY KG&E.
2. ALL GUYING REQUIRED TO HOLD CUSTOMER'S SERVICE IS FURNISHED BY CUSTOMER.
3. GROUND ROD, ALL GROUND WIRE AND MOULDINGS FURNISHED AND INSTALLED BY KG&E.
4. MAIN FUSED DISCONNECT.
5. METER AND SOCKET FURNISHED BY KG&E AND SOCKET INSTALLED BY CUSTOMER.
6. METALLIC CONDUIT WITH CONDUCTORS AND WEATHER-HEADS OWNED AND INSTALLED BY CUSTOMER.
7. UNDERGROUND PUMP FEEDERS.
8. GROUND ONE CORNER OF THE DELTA ON ALL NEW 480V, 3-PHASE OIL FIELD SECONDARIES WHEN SYSTEM NEUTRAL IS AVAILABLE.
9. 500V. ARRESTERS FURNISHED AND INSTALLED BY KG&E.
10. INSTALL LIGHTNING ARRESTERS: ON THE TRANSFORMER SIDE OF THE METER IF THE SECONDARY CIRCUIT BETWEEN THE METER AND THE TRANSFORMER IS OVER TWO SPANS IN LENGTH.
11. ADD LIGHTNING ARRESTERS IF THIRD PHASE IS NOT GROUNDED.
12. RISER WITH LOAD CONDUCTORS ARE TO EXIT EITHER BACK, BOTTOM, OR SIDE OF METER SOCKET.
13. KG&E WILL FURNISH AND INSTALL UP TO 125 FT OF SERVICE CABLE, MEASURED FROM THE TRANSFORMER STATION.
14. 36" X 48" X 12" NEMA-4 WEATHER PROOF J-BOX TO HOUSE DISCONNECTS, STARTERS AND ALL CONTROLS. MOUNT ON SERVICE POLE. SEE CONTROL DIAGRAM #2.

WELL ELECTRICAL SERVICE POLE DETAIL

VERIFY LOCATION AND ALL REQUIREMENTS WITH KG&E.
TYPICAL 4 LOCATIONS. SEE KEY MAP FOR WELL LOCATIONS.

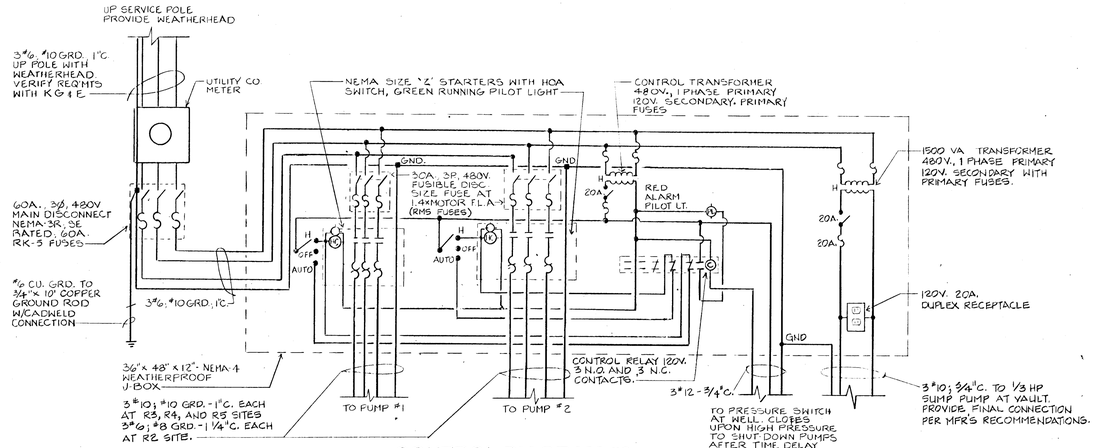


AIR STRIPPER AND PUMP STATION SITE ELECTRICAL PLAN



CONTROL DIAGRAM #1

NOTE: SUBMIT SHOP DRAWINGS FOR REVIEW OF ALL CONTROLS, ALL CONTROLS MOUNTED IN J-BOX. PILOT LIGHTS MOUNTED IN BOX FACE - WEATHER PROOF. LABEL WITH PHEONOLIC PLASTIC.



CONTROL DIAGRAM #2

TYPICAL OF FOUR LOCATIONS. MOUNT ALL EQUIPMENT ON SERVICE POLE. VERIFY SERVICE POLE LOCATIONS WITH KG&E.

SYMBOL LIST

SYMBOL	DESCRIPTION	MOUNTING
JB	JUNCTION BOX	
DF	DUSS#SSY FUSTAT IN EQUIP. SERVED	
□	SPECIAL DEVICE (AS NOTED)	
30A-3P-240V	SAFETY SWITCH (AMPS, POLE, VOLTAGE)	6'-0" TO TOP
SIZE"M"P-240V	MOTOR STARTER (SIZE, POLE, VOLTAGE)	6'-0" TO TOP
"A"	BRANCH CIRCUIT PANEL & PANEL DESIG.	6'-0" TO TOP
●	MOTOR	
	CONDUIT RUN 2#12 & 1#12 GRD.-1/2"C.	CEIL./WALL
	CONDUIT RUN 2 CIRCUITS, 3#12 & 1#12 GRD.-1/2"C.	EARTH/FLOOR
	CONDUIT RUN PARTIAL CIRCUIT	
#10	SEE NOTE # 5	
WP	WEATHERPROOF	

GENERAL NOTES

1. VERIFY ALL OUTLET LOCATIONS ON THE JOB PRIOR TO ROUGH-IN.
2. REFER TO RELATED DRAWINGS FOR RELATED INFORMATION.
3. REFER TO THE SPECIFICATIONS FOR DATA NOT ON THE DRAWINGS.
4. E.C. SHALL REFER TO OTHER DRAWINGS AND SPECIFICATIONS FOR THE REQUIREMENTS ASSOCIATED WITH WIRING AND CONNECTION OF INTERLOCKING AND CONTROLS OF EQUIPMENT FURNISHED BY OTHERS.
5. CONDUIT RUN W/CONDUCTORS AS INDICATED, CONDUIT SIZE AS REQUIRED. CONDUIT RUN TO PANEL DEVICE.
6. DISCONNECT AND REMOVE FEEDER TO EXISTING AIR STRIPPER ALL THE WALL BACK TO 'MSB' IN TOOLING BUILDING.

No.	Revision	By	Date

CESSNA AIRCRAFT COMPANY
WICHITA, KANSAS

ELECTRICAL PLAN

WITHDRAWAL WATERLINE IMPROVEMENTS

PROFESSIONAL ENGINEERING CONSULTANTS, P.A.
ENGINEERS
WICHITA, KANSAS

Designed by	D.E.H.	Job No. 31-87642	Sht. 5 of 20
Drawn by	T.R.	Date August, 1983	