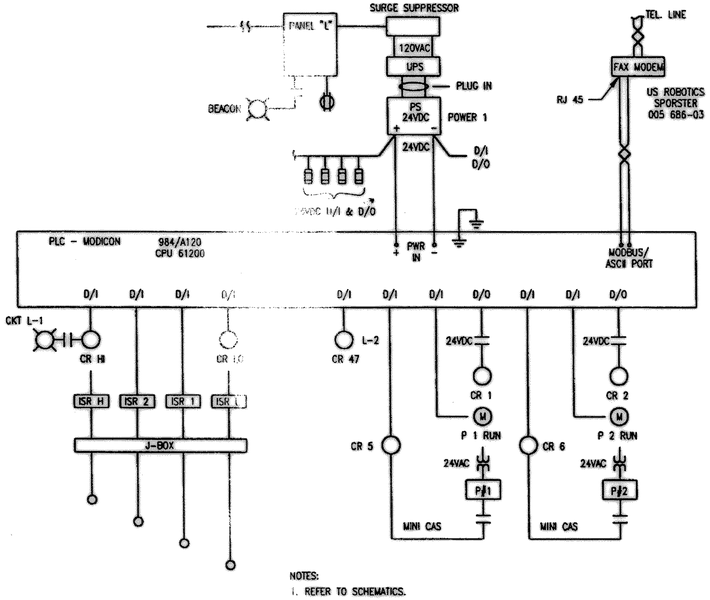
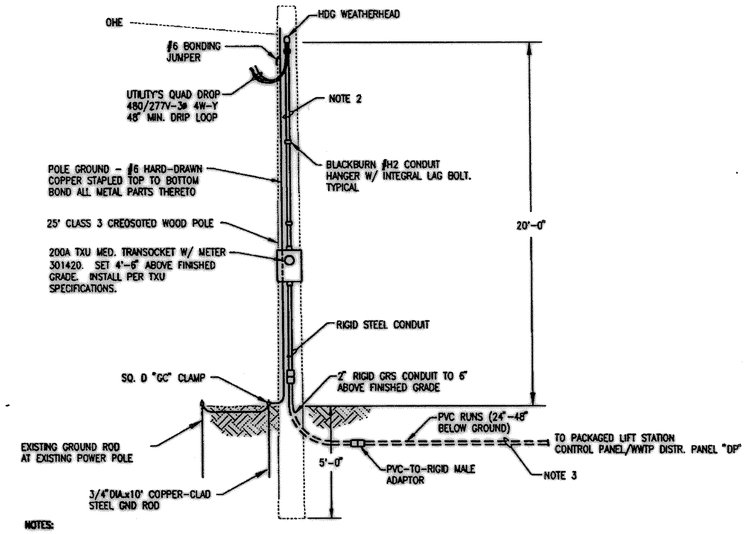


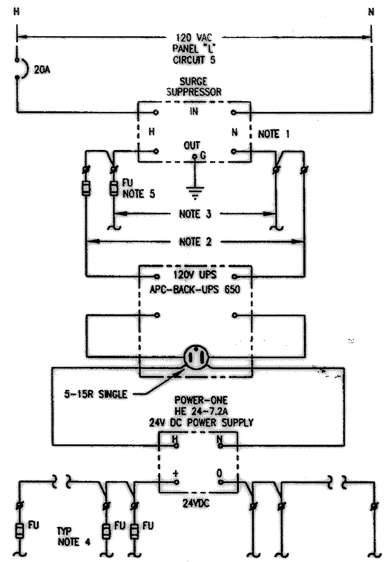
CONTROL BLOCK DIAGRAM



NOTES:
1. CONTRACTOR SHALL FURNISH AND INSTALL POLE, CONDUIT, WIRE, & WEATHERHEAD.
2. 3 #250, #2N, 4"C
3. 3 #250, #2N, 4"C

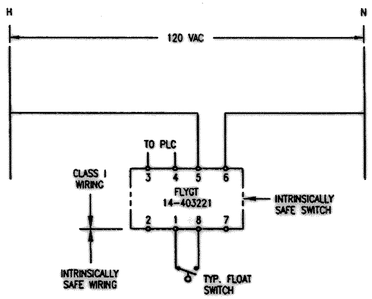
02 ELECTRICAL SERVICE METER

NOT TO SCALE



NOTES:
1. HARDWIRED 120V - 20A SURGE SUPPRESSOR. SUPERIOR ELECTRIC STABILINE SERIES 3000 TYPE PQI-3120H IN PUMP CONTROL CABINET. REF DET
2. TO UPS.
3. SPARE
4. 1/4 AMP TERMINAL BLOCK FUSE. TYPICAL FOR FIFTEEN. (4 SPARE) 24VDC PLC INPUTS AND OUTPUTS.

AC & DC POWER WITH UPS



NOTES:
1. TYPICAL FOR ALL FLOAT SWITCHES. REFER TO SCHEMATICS.

INTRINSICALLY SAFE SWITCH

PANEL SCHEDULE

NUMBER L — VOLTS 120V 1ø NOTE 1 — SIZE 125A M.L.O.

CIRCUIT DESCRIPTION	LOAD VA	CKT BKR	CKT #	CKT #	CKT BKR	LOAD VA	CIRCUIT DESCRIPTION
LIGHTS	50	15/1	1	2	15/1	180	SERVICE OUTLET
SERVICE OUTLET	180	15/1	3	4	15/1	42	WARNING LIGHT
SURGE SUPPRESSOR	800	20/1	5	6	15/1		SPARE
SPARE		15/1	7	8	15/1		SPARE

NOTES:
1. TRANSFORMER IS 120V.
2. GE CATALOG #TPL 412 TC W/8 1/2" THQP CIRCUIT BREAKERS.

NEUTRAL — GROUND

REVISED TO CONFORM
TO CONSTRUCTION RECORDS
BY PAC DATE 10/31/05

These plans and related specifications were prepared for construction of this specific project only. Reuse of these documents is not permitted without written authorization of Birkhoff, Hendricks, & Conway, L.L.P.

13 Dec. 01

VERIFY SCALE
Bar is one inch on original drawing.
0 1
If not one inch on this sheet, adjust scale accordingly.
FILE No. 18.032

STATE OF TEXAS
JOHN A.V. FRY
37435
REGISTERED PROFESSIONAL ENGINEER

CITY OF ROCKWALL, TEXAS

QUAIL RUN LIFT STATION
ELECTRICAL SCHEMATICS & DIAGRAMS

BIRKHOFF, HENDRICKS & CONWAY, L.L.P.
CONSULTING ENGINEERS
Dallas, Texas

DESIGNED BY: J.A.V.F.
DRAWN BY: R.E.B.
PROJECT: 2000-172
DATE: DECEMBER 2001
SHEET NO. E3 OF 4 SHEETS