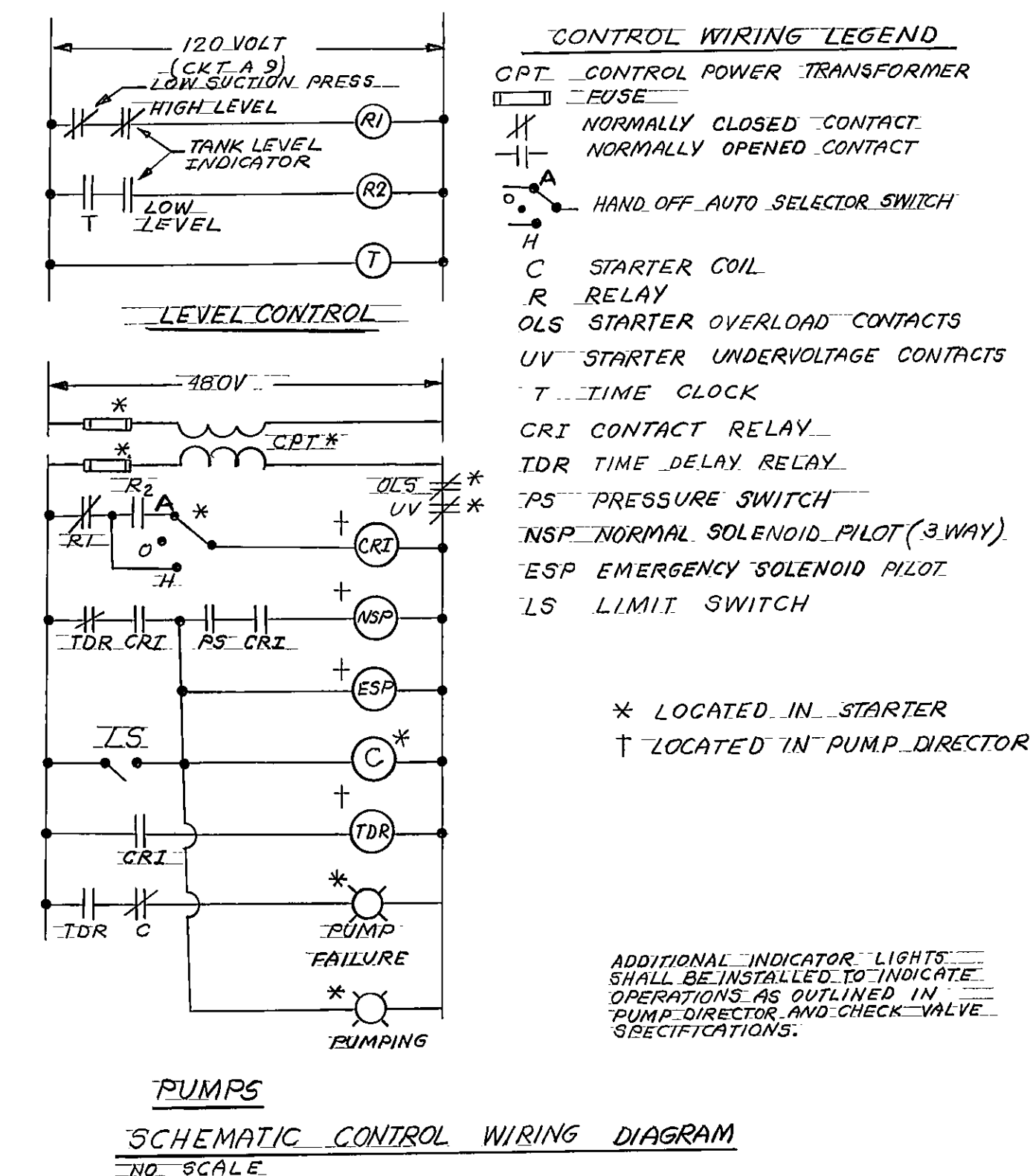
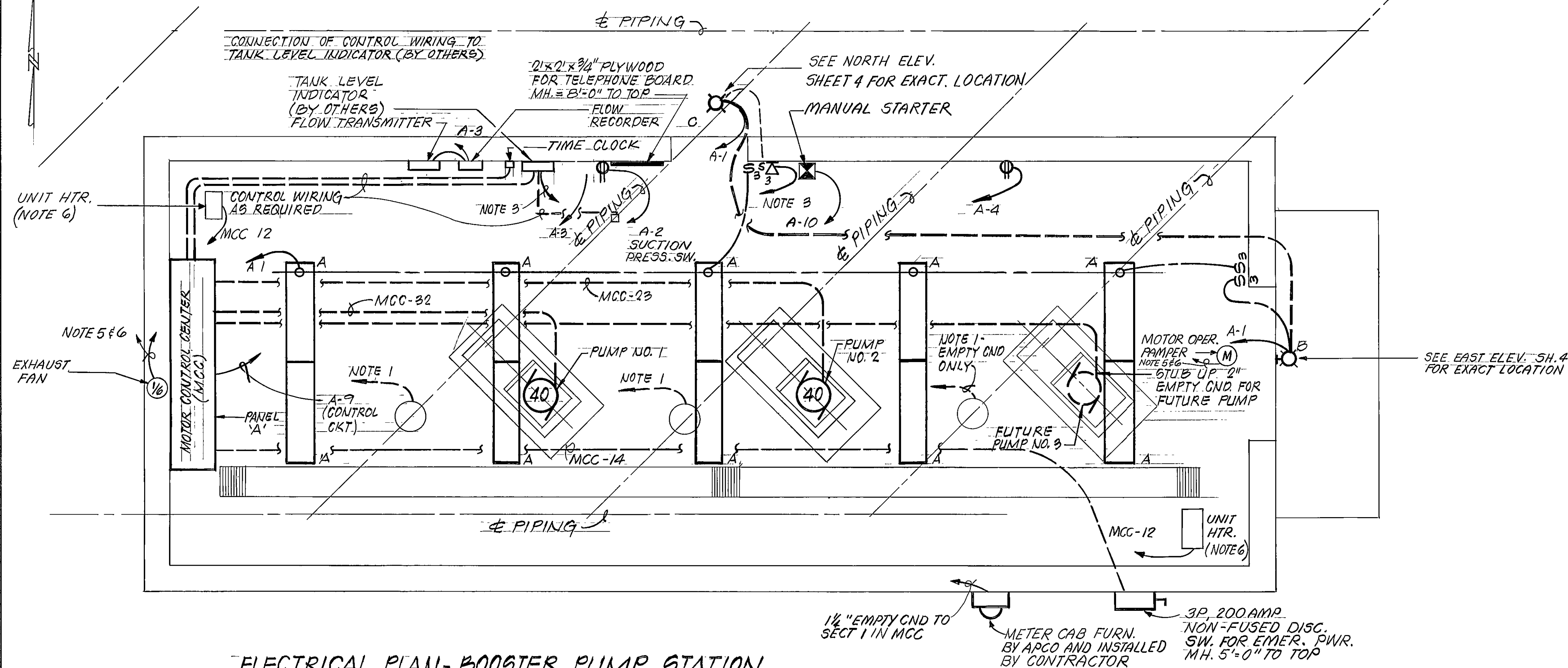




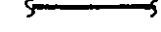
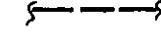
ELECTRICAL PLAN-BOOSTER PUMP STATION
SCALE: 3/8" = 1'-0"

41	31	21	11	/
42		22	12	
43		32	23	
			14	

MOTOR CONTROL CENTER (MCC)
NO SCALE

LIGHTING FIXTURE SCHEDULE				
TYPE	MFG & CAT. NO.	TYPE FIXTURE	LAMPS	REMARKS
A	BENJAMIN FA 2424 4R	FLUOR-CEILING	2-40 WCV	HIGH IMPACT LENS
B	KIM LLF-10/BL E	HPS - WALL	1-100W HPS	W PHOTO CONTROL (120V)
C	KIM LLF-50/BL E	HPS - WALL	1-100W HPS	W PHOTO CONTROL (120V)

LEGEND

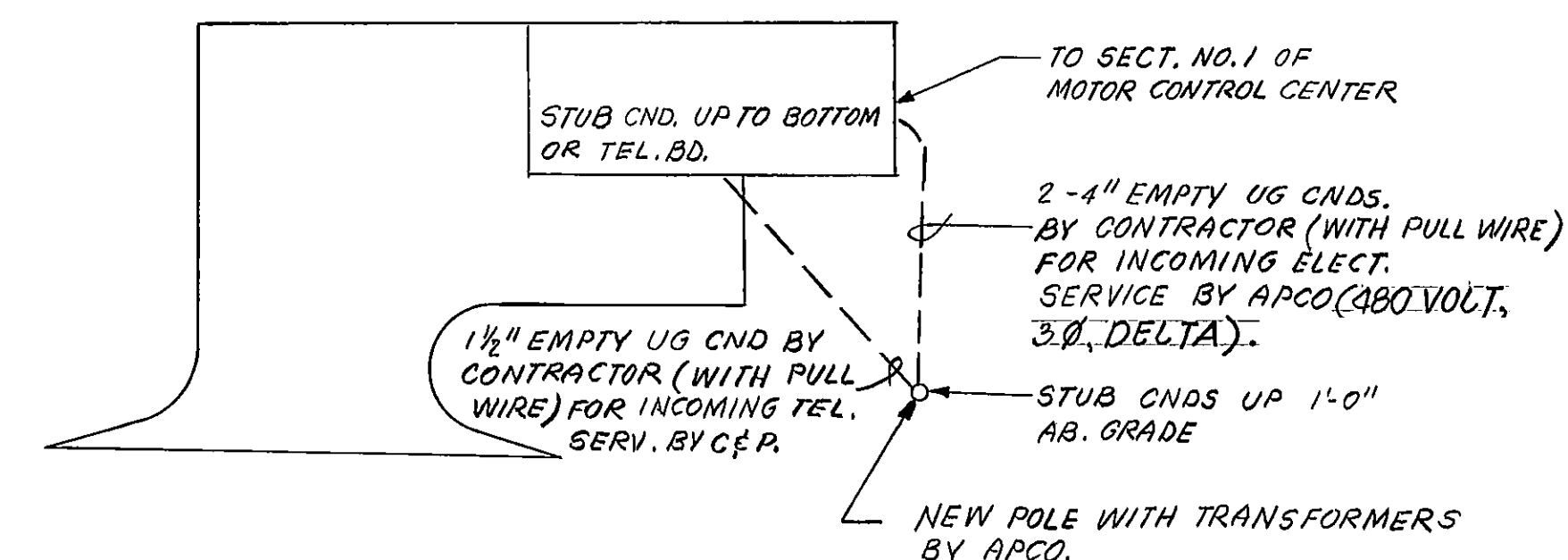
- | | |
|---|--|
|  | FLUORESCENT LIGHTING FIXTURE (SEE NOTE 2) |
|  | HID LIGHTING FIXTURE, SEE NOTE 2. |
|  | SWITCH, 3 WAY, MH=4'-6" |
|  | DUPLEX RECEPTACLE, MH=4'-6" |
|  | TELEPHONE OUTLET, MH=4'-6" |
|  | MOTOR ON EQUIPMENT NOTED, NUMBER INDICATES HORSEPOWER |
|  | CONDUIT RUN EXPOSED |
|  | CONDUIT RUN BENEATH FLOOR OR BELOW GRADE. |
|  | HOME RUN TO CKT. INDICATED |
|  | SWITCH CONTROL
MANUAL MOTOR STARTER, MH=5'-6" TO TOP (HOA SWITCH) |

MOTOR CONTROL CENTER (MCC) SCHEDULE							
SECT NO.	TYPE UNIT	CB RATING (AMP/PS)		POWER	CONDUIT	LOAD	REMARKS
		FRAME	TRIP	CONDUCTORS			
1	INCOMING SECT.	—	—	—		MCC	SPACE FOR APC, METERING TRANS, MAIN. (SEE NOTE #)
11	CKT. BRKR.	400	325	350 MCM	3"	MCC	
12	SPACE ONLY	20	20	NO. 12 AWG.	3/4"	HTR	—
13	SPACE ONLY	—	—	—	—	—	—
14	CKT. BRKR.	225	225	NO. 4/0 AWG.	2 1/2"	TEMP EMER. POWER	—
21	PUMP DIR. & RELAYS	—	—	—	—	PUMP NO. 1	} COORDINATE WITH OEM
22	PUMP DIR.	—	—	—	—	PUMP NO. 2	
23	COMB. STR.	100	100	NO. 2 AWG.	1 1/4"	PUMP NO. 2	SIZE 3 STR. FOR FUTURE SIZ
31	SPACE ONLY	—	—	—	—	—	4 COMB. STR.
32	COMB. STR.	100	100	NO. 2 AWG.	1 1/4"	PUMP NO. 1	SIZE 3 STR.
41	SPACE ONLY	—	—	—	—	—	FOR FUTURE PUMP DIRECTOR
42	PANELBOARD A	—	—	—	—	BRANCH CKTS.	10 POLE 120/240 V
43	DIST. TRANS.	—	—	—	—	PANELBOARD A	1Ø, 3 WIRE. (*) 3 KVA, 1Ø.

* 6-1P, 20 AMP ACTIVE BREAKER
4-1P, 20 AMP SPARE BREAKER

NOTES:

1. 3/4" CND. WITH CONTROL WIRING AS READ.
FOR SOLENOID VALVE CONTROL.
2. MOUNT BOTTOM OF FIXTURE AT SAME LEVEL
AS BOTTOM OF TRUSSES. COORDINATE WITH TRUSS
BEAM INSTALLATION.
3. 3/4" CND. TO TELE. BOARD.
4. PROVIDE BUS BARS BETWEEN MAIN BRK'S.
AND APCO BAR TYPE CURRENT TRANSFORMERS.
COORDINATE WITH APCO.
5. TO CKT A-10 (2"12, 1/2" CND) VIA MANUAL STARTER.
6. SEE SH-7 FOR THERMOSTAT WIRING.



SITE ELECTRICAL PLAN
SCALE: 1" = 20'

RECORD DRAWING

REVISION	DATE	DESCRIPTION		BY	APP
DESIGNED	JBO	FRANKLIN ROAD BOOSTER PUMPING STATION ELECTRICAL PLAN			
DRAWN					
CHECKED	SWT				
APPROVED					
SUBMITTED					
 Mattern & Craig CONSULTING ENGINEERS		SCALE	NOTED	COPY NO	565
		DATE		SHEET	8

85-12

