

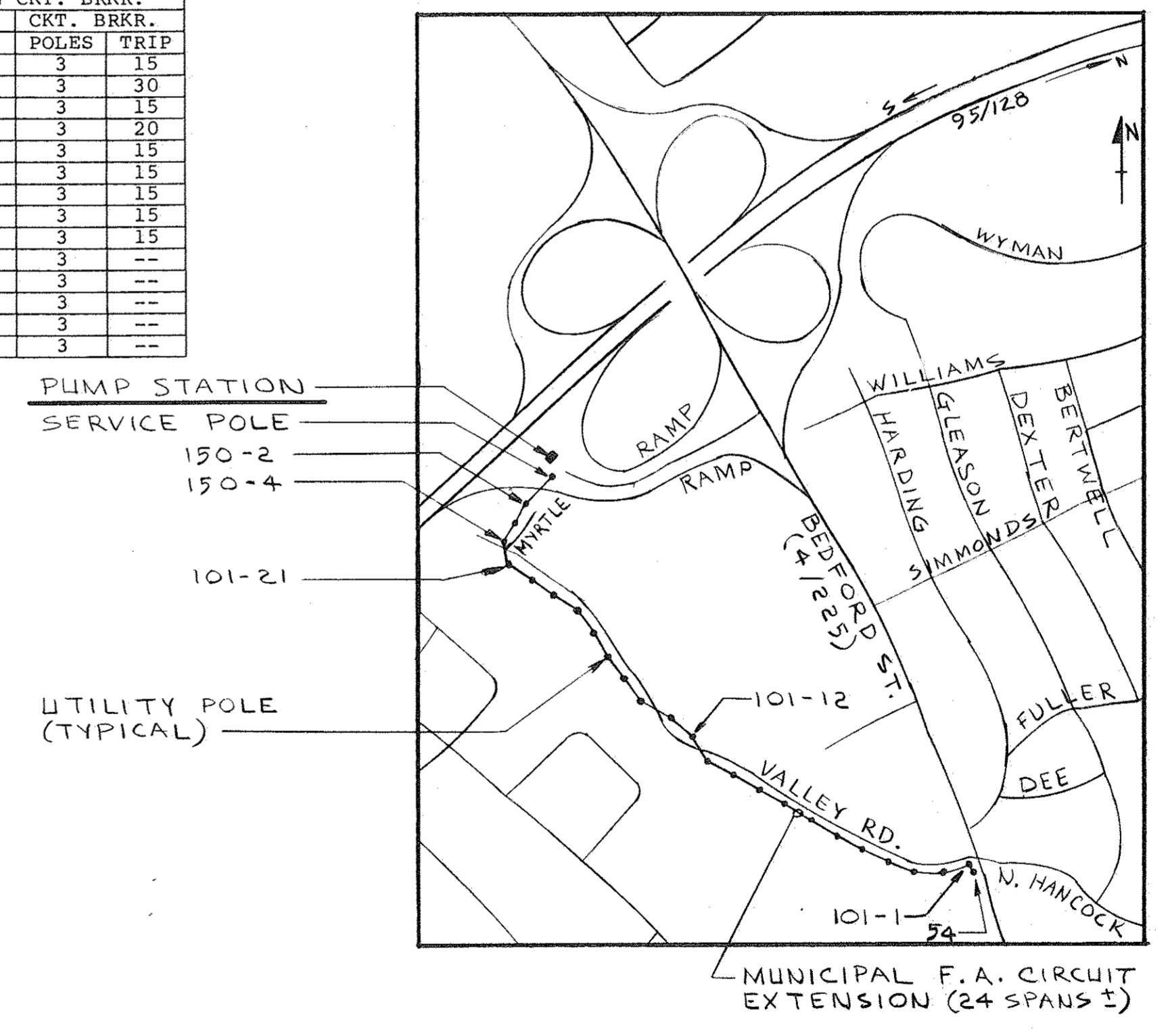
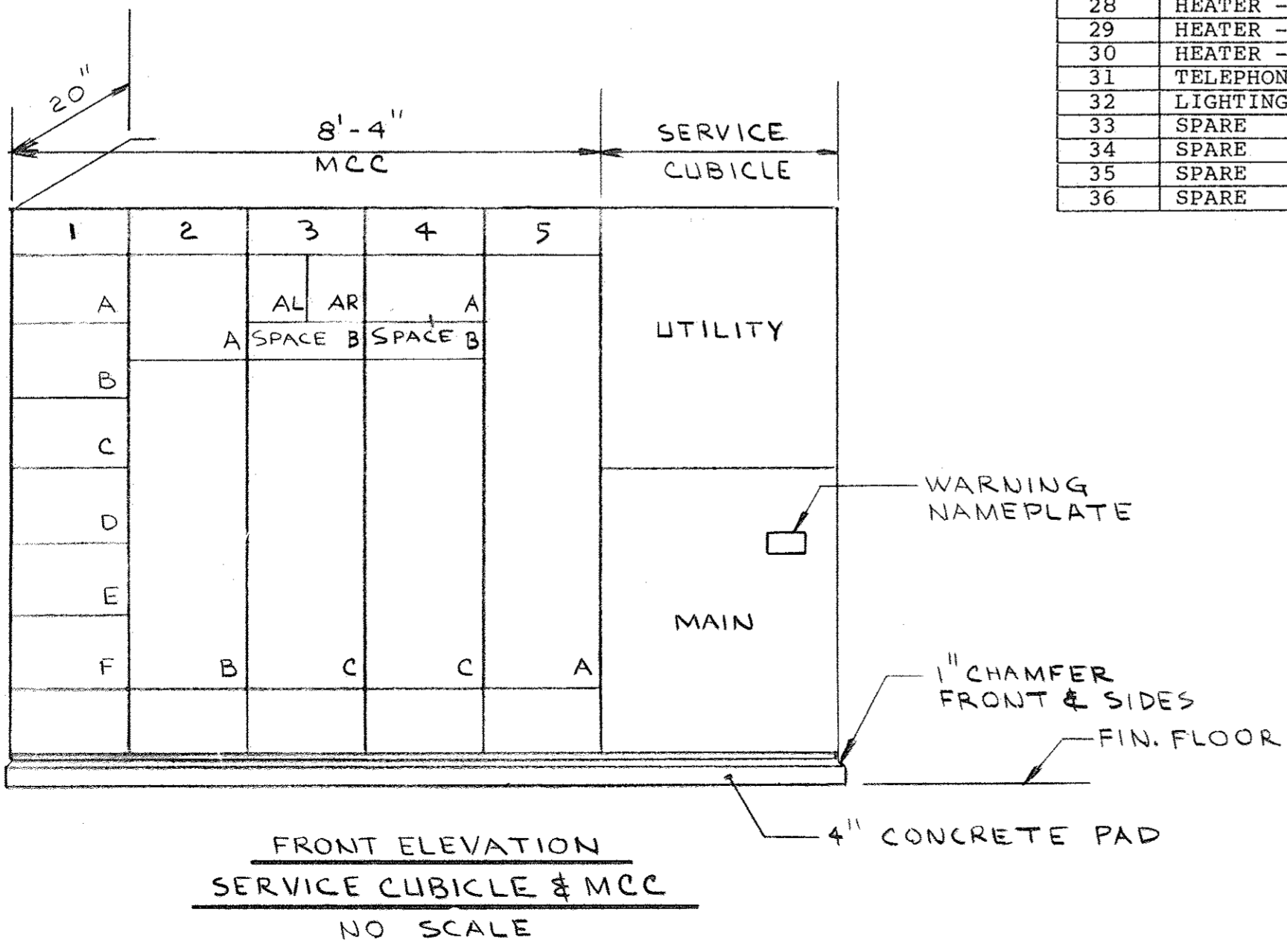
SINGLE LINE DIAGRAM

NOTES:
 1. FOR WIRING DIAGRAMS SEE SHEET E-7.
 2. FOR SYMBOLS SEE SHEET E-1.

- CONTROL LEGEND
- 1 LOCATED NEAR MOTOR OR DRIVEN EQUIPMENT.
 - 2 LOCATED AT SUMP AND CONNECTED TO TERMINALS IN SUMP PUMP CONTROL PANEL.
 - 3 LOCATED AT SUMP PUMP CONTROL PANEL FURNISHED AND INSTALLED UNDER SECTION 11312.
 - 4 LOCATED AT INSTRUMENT PANEL (IP).
 - 5 THERMOSTAT FURNISHED AND INSTALLED UNDER SECTION 15800.
 - 6 LOCATED IN GENERATOR ROOM.
 - 7 SECOND POLE OF LIGHTING SWITCH.
 - 8 CONTACT IN ENGINE-GENERATOR CONTROL PANEL TO OPEN WHEN GENERATOR RUNNING.
 - 9 LOCATED IN CONTROL ROOM.
 - 10 LOCATED IN MEZZANINE ROOM.
 - 11 FURNISHED & INSTALLED UNDER SECTION 13621.
 - 12 LOCATED IN PUMP ROOM

PANELBOARD P1		SERVICE: 120/208V, 3 Ø, 4W, 60HZ			
CKT. NO.	EQUIPMENT	100 AMP MAINS MOUNTING: SURFACE 100 AMP MAIN CKT. BRKR.			
		LOAD KW	HP	POLES	TRIP
1	SUMP PUMP SYSTEM 1 CONTROL POWER	0.1		1	20
2	MOTOR OPERATED DAMPERS	0.4		1	15
3	ATTIC EXHAUST FAN		1/3	1	20
4	ENGINE BATTERY CHARGER	0.1		1	20
5	HUMIDITY CONTROLLER	0.1		1	20
6	MAN-LIFT CAR LIGHTING	0.2		1	20
7	INSTRUMENT PANEL CONTROL POWER	0.2		1	20
8	LIGHTING - PUMP ROOM	0.9		1	20
9	IP AIR COMPRESSORS	0.2		1	20
10	LIGHTING - MEZZANINE ROOM	1.1		1	20
11	RECEPTS. - PUMP ROOM	1.0		1	20
12	LIGHTING - CONTROL ROOM	1.1		1	20
13	RECEPTS. - MEZZANINE ROOM	1.0		1	20
14	LIGHTING - GENERATOR ROOM	0.6		1	20
15	AIR COMPRESSOR RECEPTACLE	1.0		1	20
16	LIGHTING - GRINDER RM & WW ENTR.	0.8		1	20
17	RECEPTS. - CONTROL ROOM	1.0		1	20
18	LIGHTING - ATTIC, BATHRM. & OFFICE	1.6		1	20
19	RECEPTS. - GENERATOR ROOM	1.2		1	20
20	RECEPTS. - GRINDER RM. & WW ENTR	1.0		1	20
21	RECEPTS. - ATTIC, BATHRM. & OFFICE	1.0		1	20
22	COMPUTER RECEPTACLES	0.4		1	20
23	FIRE ALARM SYSTEM	0.2		1	20
24	INTRUSION ALARM SYSTEM	0.1		1	20
25	HEAT PUMP	3.0		2	20
26	HEATER - GRINDER ROOM	3.0		2	20
27	HEATER - PUMP ROOM	2.6		2	20
28	HEATER - MEZZANINE ROOM	1.5		2	15
29	HEATER - WET WELL ENTRANCE	3.0		2	20
30	HEATER - BATHROOM	2.0		2	15
31	TELEPHONE SYSTEM RECEPTACLES	0.1		1	20
32	LIGHTING - OUTSIDE	0.6		1	20
33	SPARE			1	20
34	SPARE			1	20
35	SPARE			1	20
36	SPARE			1	20

PANELBOARD P2		SERVICE: 480V, 3 Ø, 3W, 60HZ			
CKT. NO.	EQUIPMENT	100 AMP MAINS MOUNTING: SURFACE 100 AMP MAIN CKT. BRKR.			
		LOAD KW	HP	POLES	TRIP
1	SEWAGE GRINDER NO. 1		3	3	15
2	DEHUMIDIFIER	17.0		3	30
3	SEWAGE GRINDER NO. 2		3	3	15
4	WATER HEATER	5.6		3	20
5	HOIST		1	3	15
6	MAN - LIFT MACHINE		3/4	3	15
7	HEATER - CONTROL RM. EAST	4.0		3	15
8	HEATER - CONTROL RM. WEST	4.0		3	15
9	HEATER - GENERATOR ROOM	7.5		3	15
10	SPACE			3	---
11	SPACE			3	---
12	SPACE			3	---
13	SPACE			3	---
14	SPACE			3	---



RECORD DRAWING

No.	5/15	RV/S	MLM	FNY	RECORD DRAWING	Date	4/30/91
A	P	P	R	O	V	E	D

REGISTERED PROFESSIONAL ENGINEER



TOWN OF LEXINGTON, MASSACHUSETTS
 DEPARTMENT OF PUBLIC WORKS
 NORTH LEXINGTON MAIN PUMPING STATION

SINGLE LINE DIAGRAM, SCHEDULES AND DETAILS

SCALE: NONE

CONTRACT NO. 92-1

JOB NO. 9065

DR. BY: JNAPPI

CK. BY: GAME

APP. BY: PMS

CADD NO. 69-32

FILE NO. 69-32