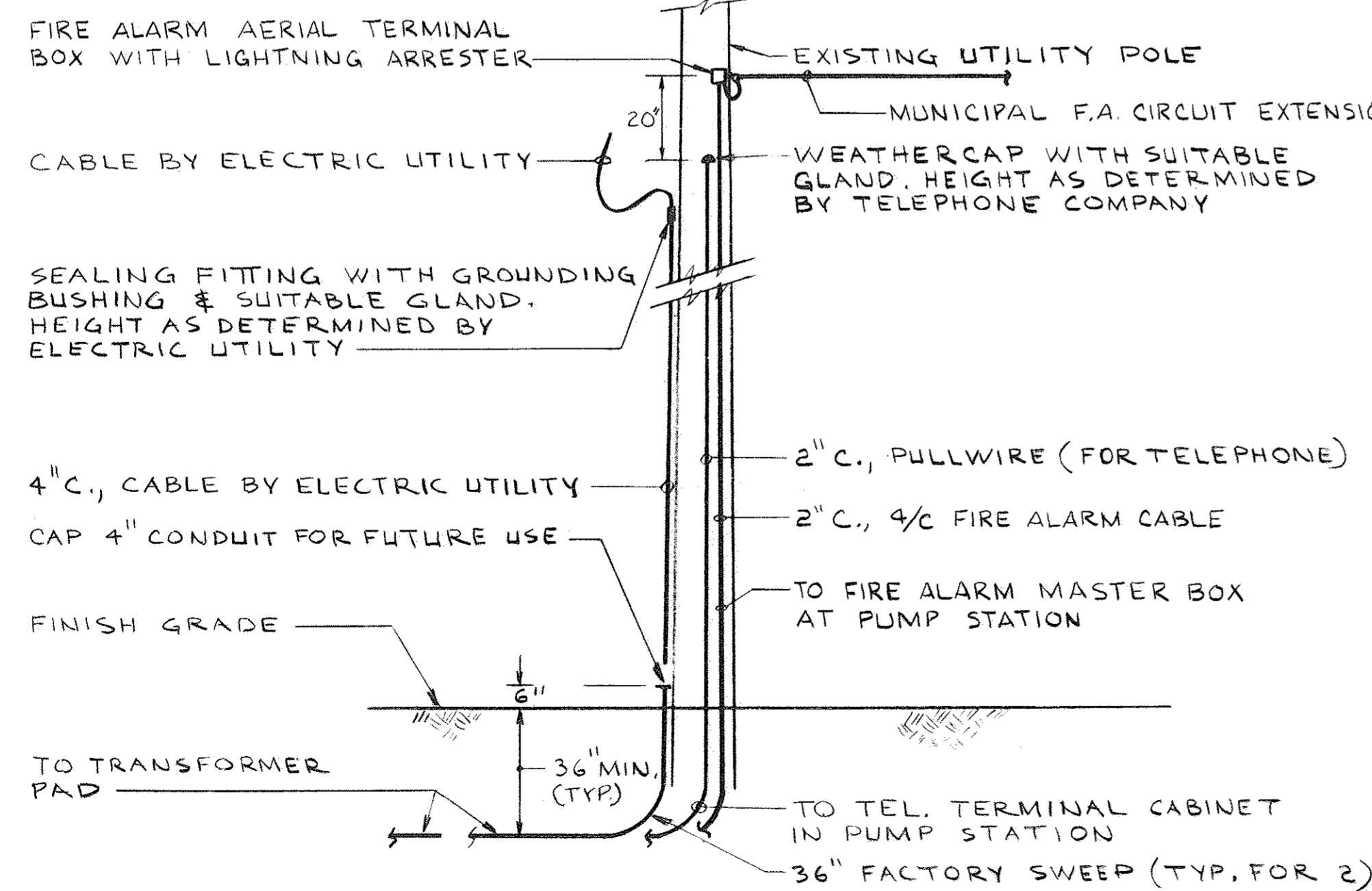


**SITE PLAN**  
SCALE: 1" = 10'



**SERVICE POLE DETAIL**  
NO SCALE

- NOTES:
- FOR SEQUENCING OF WORK FOR THE NEW SERVICE AND FOR THE TEMPORARY SERVICE TO THE EXISTING PUMPING STATION, SEE SPECIFICATION SECTION 01014.
  - FURNISH AND INSTALL ALL NECESSARY BOXES AND FITTINGS IN THE EXISTING PUMPING STATION FOR THE TEMPORARY SERVICE. DISCONNECT THE EXISTING SERVICE AND CONNECT THE TEMPORARY SERVICE WITH MINIMUM INTERRUPTION OF STATION OPERATION.
  - FURNISH AND INSTALL THE CONCRETE PAD, GROUNDING AND CONDUIT TERMINATIONS IN STRICT ACCORDANCE WITH BOSTON EDISON CO. REQUIREMENTS.
  - AFTER BENEFICIAL OCCUPANCY OF THE PROPOSED PUMPING STATION AND PRIOR TO DEMOLITION OF THE EXISTING PUMPING STATION, DISCONNECT AND REMOVE THE NOTED TEMPORARY SERVICE CABLE.
  - FURNISH AND INSTALL THE MUNICIPAL FIRE ALARM CIRCUIT EXTENSION. LOCATION OF CONNECTION TO EXISTING MUNICIPAL FIRE ALARM CIRCUIT TO BE DETERMINED BY FIRE DEPARTMENT. ALL WORK AND MATERIALS SHALL BE IN ACCORDANCE WITH FIRE DEPARTMENT REQUIREMENTS. INSTALLATION OF EXTENSION SHALL BE PERFORMED BY A CONTRACTOR APPROVED BY THE FIRE DEPARTMENT.

**SYMBOLS**

<p>A 3 a</p> <p>SURFACE, RECESSED OR PENDANT MOUNTED INCANDESCENT OR HIGH PRESSURE SODIUM LIGHTING FIXTURE "A" DENOTES TYPE OF FIXTURE "3" DENOTES PANELBOARD BRANCH CIRCUIT NO. 3 "a" DENOTES CONTROLLED BY LOCAL SWITCH "a"</p>	<p>POTENTIAL TRANSFORMER WITH FUSES. NUMERAL DENOTES QUANTITY. TRANSFORMER, SIZE AS NOTED.</p>
<p>A 3 a</p> <p>SURFACE, RECESSED OR PENDANT MOUNTED FLUORESCENT LIGHTING FIXTURE "A" DENOTES TYPE OF FIXTURE "3" DENOTES PANELBOARD BRANCH CIRCUIT NO. 3 "a" DENOTES CONTROLLED BY LOCAL SWITCH "a"</p>	<p>MAGNETIC MOTOR STARTER FVNR = FULL VOLTAGE, NON-REVERSING RVNR = REDUCED VOLTAGE, NON-REVERSING AUTO TRANSFORMER TYPE</p>
<p>A 3 a</p> <p>WALL MOUNTED INCANDESCENT OR HIGH PRESSURE SODIUM LIGHTING FIXTURE "A" DENOTES TYPE OF FIXTURE "3" DENOTES PANELBOARD BRANCH CIRCUIT NO. 3 "a" DENOTES CONTROLLED BY LOCAL SWITCH "a"</p>	<p>AUXILIARY CONTACTS: 1a=ONE NORMALLY OPEN 1b=ONE NORMALLY CLOSED</p>
<p>BATTERY OPERATED AUXILIARY LIGHTING UNIT. "J" DENOTES TYPE OF LIGHTING FIXTURE</p>	<p>NUMERAL INDICATES NEMA SIZE 5 SQUIRREL CAGE INDUCTION MOTOR. NUMERAL DENOTES HORSEPOWER</p>
<p>S<sub>a</sub> SINGLE POLE SWITCH CONTROLS FIXTURES MARKED "a"</p>	<p>R INDICATING LIGHTS: R=RED, B=BLUE, G=GREEN, A=AMBER</p>
<p>S<sub>2b</sub> DOUBLE POLE SWITCH CONTROLS FIXTURES MARKED "b"</p>	<p>V = VOLTMETER RT = RUNNING TIME METER M = STARTER COIL</p>
<p>S<sub>3c</sub> THREE-WAY SWITCH CONTROLS FIXTURES MARKED "c"</p>	<p>NORMALLY OPEN CONTACT (DE-ENERGIZED POSITION)</p>
<p>S<sub>4d</sub> FOUR-WAY SWITCH CONTROLS FIXTURES MARKED "d"</p>	<p>NORMALLY CLOSED CONTACT (DE-ENERGIZED POSITION)</p>
<p>DUPLEX RECEPTACLE (GROUNDED TYPE), 125 VOLT</p>	<p>CPT CONTROL POWER TRANSFORMER</p>
<p>SINGLE RECEPTACLE (GROUNDED TYPE), 125 VOLT</p>	<p>CR CONTROL RELAY</p>
<p>MANUAL MOTOR STARTER</p>	<p>TD TIME DELAY RELAY</p>
<p>POWER FACTOR CORRECTION CAPACITOR FURNISHED WITH MOTOR &amp; INSTALLED UNDER DIVISION 16</p>	<p>OL MOTOR OVERLOAD</p>
<p>DISCONNECT SWITCH</p>	<p>MCP MOTOR CIRCUIT PROTECTOR</p>
<p>WALL MOUNTED THERMOSTAT</p>	<p>VS VOLTMETER SELECTOR SWITCH</p>
<p>PANELBOARD</p>	<p>SURGE PROTECTIVE EQUIPMENT</p>
<p>MOTOR - FOR HORSEPOWER RATING SEE PANELBOARD SCHEDULE ON SINGLE LINE DIAGRAM</p>	<p>FACP FIRE ALARM CONTROL PANEL</p>
<p>DAMPER MOTOR</p>	<p>F MANUAL FIRE ALARM STATION</p>
<p>TELEPHONE OUTLET, WALL MOUNTED</p>	<p>FHL FIRE ALARM HORN/LIGHT</p>
<p>JUNCTION BOX</p>	<p>H HEAT DETECTOR, FIXED TEMPERATURE</p>
<p>CONDUIT RUN CONCEALED OR UNDERGROUND</p>	<p>DID DUAL INTRUSION DETECTOR</p>
<p>CONDUIT RUN EXPOSED</p>	<p>M FIRE ALARM MASTER BOX (CITY TIE)</p>
<p>CONDUIT TURNING UP OR TOWARD OBSERVER</p>	
<p>CONDUIT TURNING DOWN OR AWAY FROM OBSERVER</p>	
<p>FLEXIBLE CONDUIT</p>	
<p>CONDUIT RUN WITH MORE THAN 2 PHASE &amp; NEUTRAL WIRES. SLASH LINES DENOTE QUANTITY OF NO. 12 PHASE AND NEUTRAL WIRES REQUIRED IN ADDITION TO #12 GND</p>	
<p>PI-6 HOMERUN TO PANELBOARD - LETTERS AND NUMERALS DENOTE PANELBOARD AND CIRCUIT NUMBER</p>	
<p>AFF ABOVE FINISHED FLOOR</p>	
<p>X DENOTES EXPLOSION PROOF EQUIPMENT</p>	
<p>NEMA 4 DENOTES ENCLOSURE TYPE REQUIRED IN AREA SHOWN</p>	
<p>HAZARDOUS DENOTES AREA CLASSIFIED AS A HAZARDOUS LOCATION</p>	
<p>HOA HAND-OFF-AUTOMATIC SELECTOR SWITCH</p>	
<p>ROR RUN-OFF-REMOTE SELECTOR SWITCH</p>	
<p>FS FLOAT SWITCH</p>	
<p>LS LIMIT SWITCH</p>	
<p>T THERMOSTAT</p>	
<p>DS DOOR SWITCH</p>	
<p>MCC MOTOR CONTROL CENTER</p>	
<p>IP INSTRUMENT PANEL</p>	
<p>TC TIME CLOCK</p>	
<p>PE PERSONNEL EMERGENCY PUSHBUTTON</p>	
<p>RS RUN-STOP SELECTOR SWITCH</p>	
<p>100 / 15 MOLDED CASE CIRCUIT BREAKER, THERMAL-MAGNETIC TRIP, 3-POLE UNLESS OTHERWISE NOTED. UPPER NUMERAL INDICATES FRAME SIZE. LOWER NUMERAL INDICATES TRIP SETTING.</p>	

**RECORD DRAWING**

DATE	4/30/91
DESCRIPTION	RECORD DRAWING
APPROVED BY	PMS
CHECKED BY	GAW
DESIGNED BY	JUNAPPL
CONTRACT NO.	92-1
JOB NO.	9065
SCALE	1" = 10'
CADD NO.	69-33
FILE NO.	69-33

